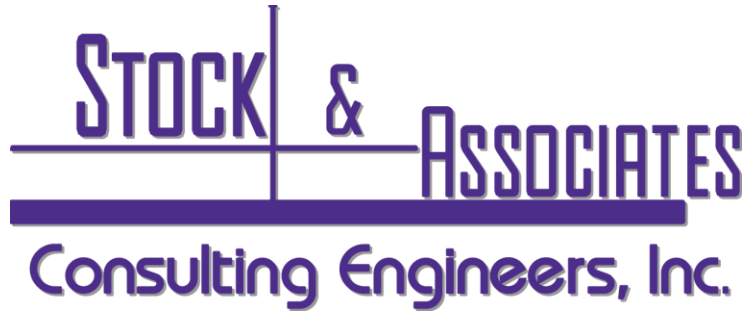




**STORMWATER MANAGEMENT FACILITIES REPORT:
CALCULATIONS**

Good Day Farm - Bryant
3205 Highway 5 N
Bryant, Arkansas

Prepared For:

Good Day Farm
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Date: 06/25/2025

STOCK JOB #: 2025-7775

Report prepared by:

Ty Gramling

Ty Gramling, P.E.
Civil Engineer

Under the direct supervision of:



George M. Stock, P.E.
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Certificate of Authority #4355

06-25-2025

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I. EXECUTIVE SUMMARY

This report was prepared by Stock & Associates Consulting Engineers Inc. on behalf of the developer Good Day Farm, for a new Marijuana Dispensary at 3887 S. Lindbergh Blvd. in Bryant, Arkansas. The project site is zoned as C-2 Highway Commercial. This project is categorized as a "Small Construction Site" per City Stormwater Management Manual since this site has disturbance limits greater than one (1) acre and less than five (5) acres.

One (1) on-site detention basin will be constructed on the site in order to meet stormwater flood protection requirements.

The proposed project will consist of the demolition of an existing building foundation and construction of a new $\pm 2k$ square foot building. In addition to the one (1) detention basin, the project will also consist of associated parking, one entrance off of Highway No. 5 and one entrance off of Hurricane Lake Road, grading, lighting, landscaping, stormwater drainage, sanitary main extension, and water, and all other associated improvements. The proposed site is located within the Hurricane Creek watershed.

All drainage calculations were done in accordance with City of Bryant Stormwater Management Manual.

II. INTRODUCTION

A. Evaluation of Existing Conditions

The existing site consists of 1.98 $\pm$ acres. The existing site includes an existing building foundation near the south end of the site and an existing mobile home near the north end of the site while the remainder is grass-covered with some mature trees. The existing topography ranges from elevations 418 MSD at the southeast corner to 400 at the northwest corner of the property. The existing site drains generally from the south to north. The pre-developed drainage area map is located in Appendix I.

The site lies within Flood Zone X (areas of minimal flood hazard) according to the National Flood Insurance Rate Map Number 05125C0360E with an effective date of June 6, 2020. Refer to Appendix B for the FEMA Firmette.

B. Evaluation of Proposed Conditions

The proposed improvements will be developed and permitted the City of Bryant and Arkansas Division of Environmental Quality (ADEQ). The proposed development project will involve the construction of a $\pm 2k$ s.f. building and associated parking. This project shall disturb approximately 1.0 acres of land. The total site will be 34.3% impervious (0.68 Ac.) and 65.7% pervious (1.30 Ac.). Approximately 1.10 total acres will be tributary to the proposed detention basin which includes 0.16 acres of offsite area.

The storm drainage for the proposed development will be taken through the one detention basin. The detention basin will be constructed near the north end of the development to collect and detain runoff from the building/parking area and open space north of the proposed building. The outfall structure will be constructed with a low flow orifice and an intermediate weir to control the post-developed flows from the site to be less than pre-developed. The 18" outfall pipe for basin will drain into a proposed 2' wide swale. All detention and storm sewer facilities are designed to meet City of Bryant stormwater requirements. See Appendix I for the Proposed Drainage Area Map.

III. STORM SEWER HYDRAULICS, OPEN CHANNEL FLOW & DETENTION DESIGN

A. Storm Sewer Hydraulics

All proposed storm sewer facilities for this development were designed to convey the 100-year storm event. The Rational Method was used to determine the flow rate for each drainage area and the Manning's equation was used to verify the pipe sizes. Runoff coefficients used to determine storm sewer flow rates for the site are 0.51 for open space/grass (C soils) and 0.95 for impervious areas (C soils). Using Exhibit 400-1 (in the City of Bryant Stormwater Management Manual) and assuming a time of concentration of 5 minutes, a rainfall intensity of 10 in/hour was used. Refer to the Appendix C of this report for the storm sewer hydraulics.

B. Open Channel Flow

Proposed open channels for this development shall be designed to convey the 100-year storm event. A proposed 2' wide flat bottom grass lined channel with 3:1 side slopes is being proposed near the northwest portion of the site to convey the drainage offsite to the north from the proposed detention basin. Channel calculations were taken at Section A-A at the outlet pipe from the basin and Section B-B near the north end of the site. The channel calculations is included in Appendix D of this report. The proposed drainage channel shall be located within a drainage easement as shown on the Site Grading Plan sheet C5.0 located in Appendix G.

C. Detention Design

Proposed detention was designed per City of Bryant's Stormwater Management Manual. The detention basin will be sized to provide detention for the 2, 10, 25, 50 and 100 year storm events. Runoff from the new development will be controlled so that the post-development peak rate of runoff does not exceed that of the pre-development. The detention basin shall be located within a drainage easement as shown on the Site Grading Plan sheet C5.0 located in Appendix G.

Pre-Developed Conditions

The existing drainage area used to determine the current release rates of the proposed detention basin are shown on the pre-developed drainage area map included in Appendix I. The runoff calculations for the pre-developed conditions is included in Appendix E. The pre-developed release rates consist of the following:

TABLE 1	
Allowable Peak Discharge Pre-Developed Conditions	
<i>Design Storm (Year)</i>	<i>Pre- Development Runoff (c.f.s.)</i>
2	2.53
10	4.61
25	5.77
50	7.22
100	7.75

Post-Developed Conditions

For the proposed development, one (1) detention basin will be utilized to provide flood protection. The proposed detention basin is located at the north end of the development. Post-Developed drainage area map is included in Appendix O. All hydrologic calculations for this report were done using Haestad Methods QRT55 computer modeling software. Haestad Methods Pondpack v8i was used for the hydraulic modeling and routing the hydrographs. For this analysis the time of concentration was set to 6 minutes, which is the minimum time of concentration and provides a more conservative post development scenario.

Structure #2.1 located within the basin will serve as the outfall structure for the development utilizing a 2' wide x 4" tall weir (2 sides) as the low flow orifice to control stormwater release from the site. The top of the structure will serve as the emergency spillway and has been designed to accommodate the 100 year flow. The 18" outlet pipe will drain the runoff northerly and drain into an unnamed tributary flowing northerly along the east side of Hurricane Lake Road.

The following tables shows a summary of the 2, 10, 25, 50 and 100 year pre and post-developed flow rates along with the corresponding pond water surface elevation (WSEL) that were calculated for the detention pond for the post development condition model and post development condition model with low flow blocked.

TABLE 2		
Peak Discharge - Post-Developed Conditions		
<i>Design Storm (Year)</i>	<i>Pre-Developed Discharge (cfs)</i>	<i>Post-Developed Discharge (cfs)</i>
2	2.53	1.81
10	4.61	3.73
25	5.77	5.83
50	7.22	6.44
100	7.75	6.92

TABLE 3			
Stormwater Detention Summary			
<i>Design Storm (Year)</i>	<i>Basin Discharge (cfs)</i>	<i>Basin WSEL (feet)</i>	<i>Basin Freeboard (feet)</i>
2	1.81	406.46	3.54
10	3.73	407.31	2.69
25	5.83	407.44	2.56
50	6.44	407.72	2.28
100	6.92	407.82	2.18

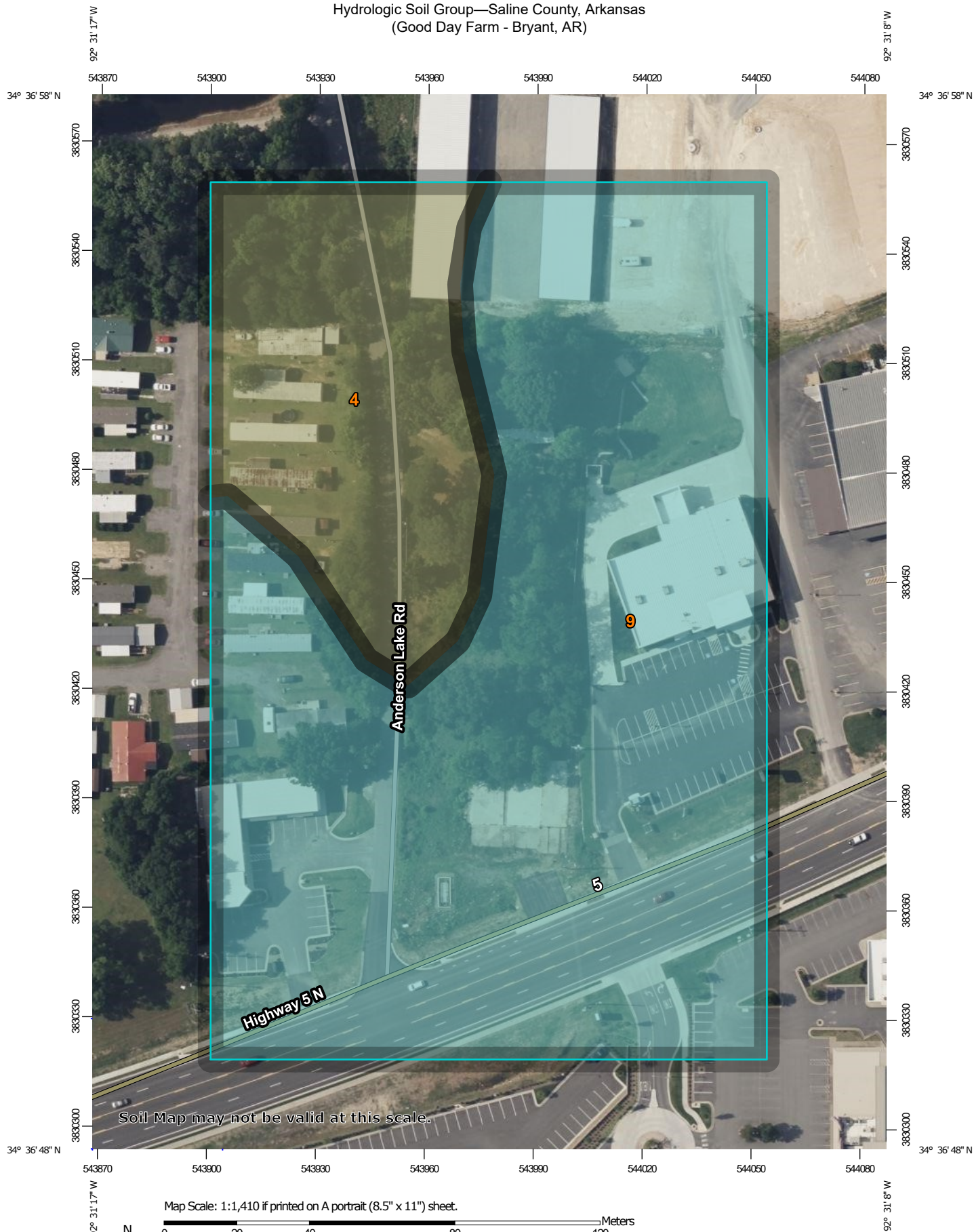
IV. SUMMARY

All proposed drainage improvements were designed in accordance with the City of Bryant Stormwater Management Manual. There is one (1) proposed on-site detention basin that will be utilized for flood protection for the proposed development. Included at the end of this reports are backup data, drainage area maps and supporting calculations for this project.

V. APPENDICES

**APPENDIX A:
USDA NATUAL RESOURCES
CONSERVATION SERVICE SOIL MAP**

Hydrologic Soil Group—Saline County, Arkansas (Good Day Farm - Bryant, AR)



Hydrologic Soil Group—Saline County, Arkansas
(Good Day Farm - Bryant, AR)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Lines

 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Points

 A
 A/D
 B
 B/D

 C
 C/D
 D
 Not rated or not available

Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Saline County, Arkansas
 Survey Area Data: Version 21, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 1, 2022—May 29, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
4	Amy-Gurdon complex, 0 to 3 percent slopes, mounded	C/D	2.1	22.8%
9	Carnasaw-Townley association, undulating	C	7.1	77.2%
Totals for Area of Interest			9.1	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

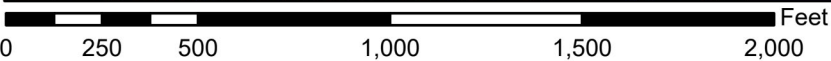
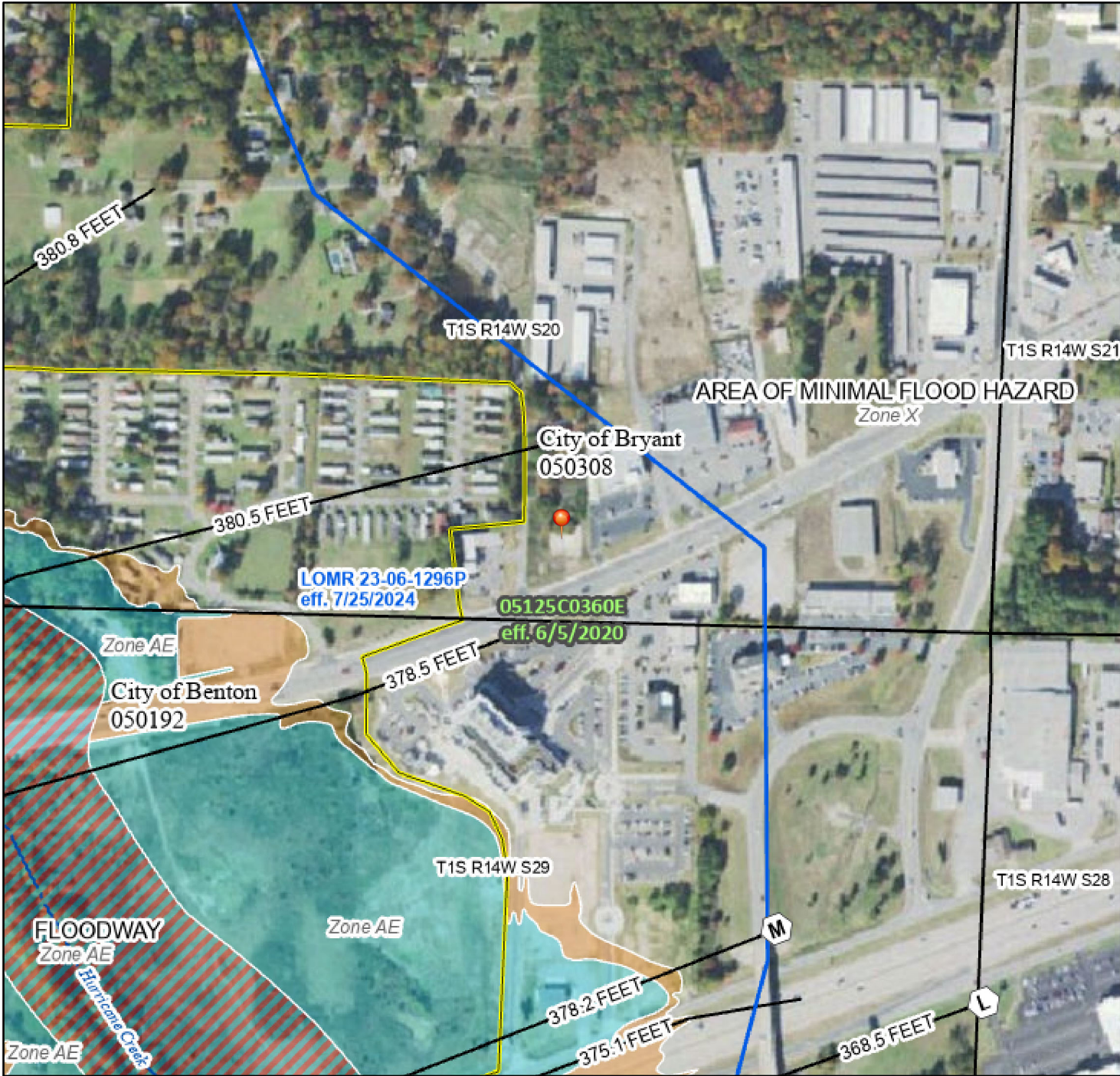
Tie-break Rule: Higher

**APPENDIX B:
FEMA FIRMETTE**

National Flood Hazard Layer FIRMMette



92°31'32"W 34°37'7"N



1:6,000

92°30'54"W 34°36'37"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/24/2025 at 3:59 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

**APPENDIX C:
STORM SEWER HYDRAULIC
CALCULATIONS**

Project name: GDF - BRYANT					Calculated By: L.C.W.				100-year Pipe Hydraulics																					
Project number: 2024-7775					Checked By: G.M.S.				Bend Coefficients :										Revisions:											
Project Location: BRYANT, AR					Date: 6/25/2025				5⁰ = 0.06 20⁰ = 0.24 35⁰ = 0.4 50⁰ = 0.50 65⁰ = 0.57 80⁰ = 0.65																					
	LINE		FLOW LINE ELEVATIONS						10⁰ = 0.11 25⁰ = 0.30 40⁰ = 0.43 55⁰ = 0.52 70⁰ = 0.60 85⁰ = 0.67																					
15⁰ = 0.18 30⁰ = 0.35 45⁰ = 0.47 60⁰ = 0.55 75⁰ = 0.62 90⁰ = 0.70																														
Structure Number	Upper structure	Lower structure	Upper structure	Lower Structure	Length (ft)	Flowline Grade ft/ft	Pipe Size (in.)	Full Flow Cap. (cfs)	Total (Q) (cfs)	Mean Full Flow Vel.(V) (ft/s)	Bend Coef.	Curve Coef.	Velocity Head (V _b) (ft)	QV _b (ft ³ /s)	Pipe Coef. (n)	H _f (ft)	Junction (ft)	Bend (ft)	Curve (ft)	Total H _{mt}	Upper F.L + Dia.	Lower H.E. +H _f	Lower H.E.	Structure Upper H.E. + H _{mt}	Top/Sill Structure Elevation	Free Board	Structure Number	Remarks	Velocity Mannings Formula (ft/s)	
2.1	2.1	2.0	401.87	401.43	48.16	0.0091	18	10.05	4.45	2.52	0.00	0.00	0.10	0.44	0.013	0.09	0.00	0.00	0.00	0.00	403.37	403.02	402.93	403.37	408.00	4.63	2.1	Outfall Structure	5.69	
2.0	2.0		401.43																	Top of Pipe =				402.93			2.0	FES		
1.4	1.4	1.1	406.63	405.58	34.64	0.0100	12	3.57	0.37	0.47	0.00	0.00	0.00	0.00	0.013	0.00	0.00	0.00	0.00	0.00	407.63	406.95	406.95	407.63	409.83	2.20	1.4	Curb Inlet	4.55	
1.1	1.1		405.58																	From Below =				406.95			1.1	Grate Inlet		
1.3	1.3	1.2	407.16	406.58	57.72	0.0100	12	3.57	0.46	0.59	0.00	0.00	0.01	0.00	0.013	0.01	0.01	0.00	0.00	0.01	408.16	407.69	407.68	408.17	410.37	2.20	1.3	Curb Inlet	4.55	
1.2	1.2	1.1	406.58	405.58	100.12	0.0100	12	3.57	1.45	1.85	0.60	0.00	0.05	0.08	0.013	0.17	0.07	0.03	0.00	0.10	407.58	407.12	406.95	407.68	409.69	2.01	1.2	Grate Inlet	4.55	
1.1	1.1	1.0	405.58	405.00	57.93	0.0100	15	6.48	3.02	2.46	0.30	0.00	0.09	0.28	0.013	0.13	0.09	0.03	0.00	0.12	406.83	406.38	406.25	406.95	408.22	1.27	1.1	Grate Inlet	5.28	
1.0	1.0		405.00																	Top of Pipe =				406.25			1.0	FES		
MEAN FULL FLOW VELOCITY: $V = Q_{ACT}/A_{PIPE}$							JUNCTION LOSSES (JUNC.) = [$Q_{out}V_{h_{out}}$ - Sum ($Q_{in}V_{in}$)]x1.33/[Q_{out}]							Note: 1. IF MORE THAN ONE INCOMING LINE, CALC. EACH BEND LOSS AND ADD TOGETHER.																
FRICTION LOSS (H _f) : $H_f = 2.87 n^2 (LV^2/d^{1.33})$							BEND LOSSES (BEND) = (V ^b) * ANGLE COEFFICIENT							2. NO STRUCTURE LOSSES TO BE CALCULATED AT A DROP																
VELOCITY HEAD : $V_h = V^2/2g$							CURVE LOSS=V _b *CURVE COEFFICIENT							3. IF $QV_{h(in)} > QV_{h(out)}$, NO JUNCTION LOSSES TO BE CALCULATED.																
Note(s):																														

**APPENDIX D:
OPEN CHANNEL
CALCULATIONS**

Channel Report

Ditch Section A-A

Trapezoidal

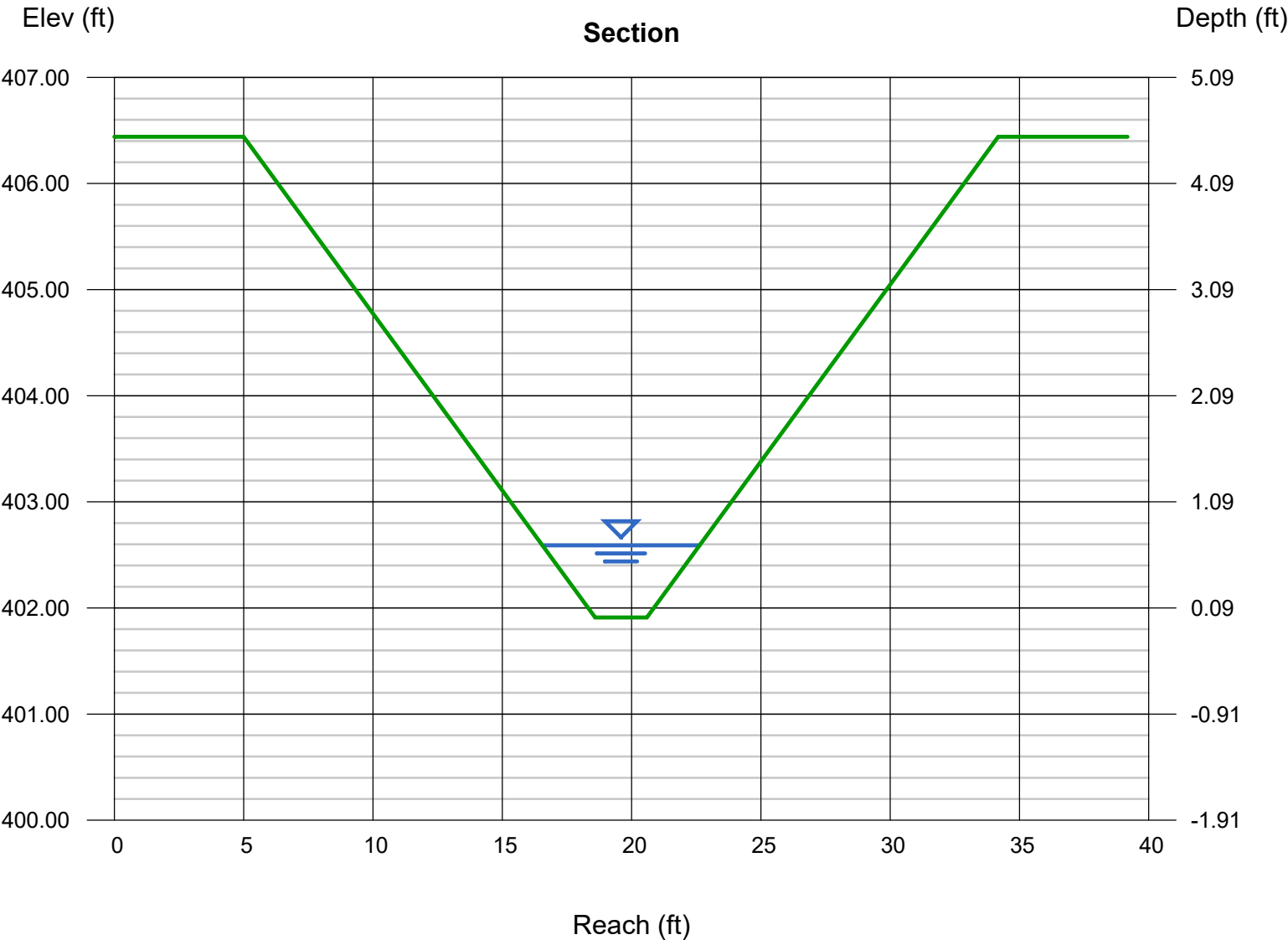
Bottom Width (ft)	= 2.00
Side Slopes (z:1)	= 3.00, 3.00
Total Depth (ft)	= 4.53
Invert Elev (ft)	= 401.91
Slope (%)	= 0.83
N-Value	= 0.018

Highlighted

Depth (ft)	= 0.68
Q (cfs)	= 11.62
Area (sqft)	= 2.75
Velocity (ft/s)	= 4.23
Wetted Perim (ft)	= 6.30
Crit Depth, Yc (ft)	= 0.72
Top Width (ft)	= 6.08
EGL (ft)	= 0.96

Calculations

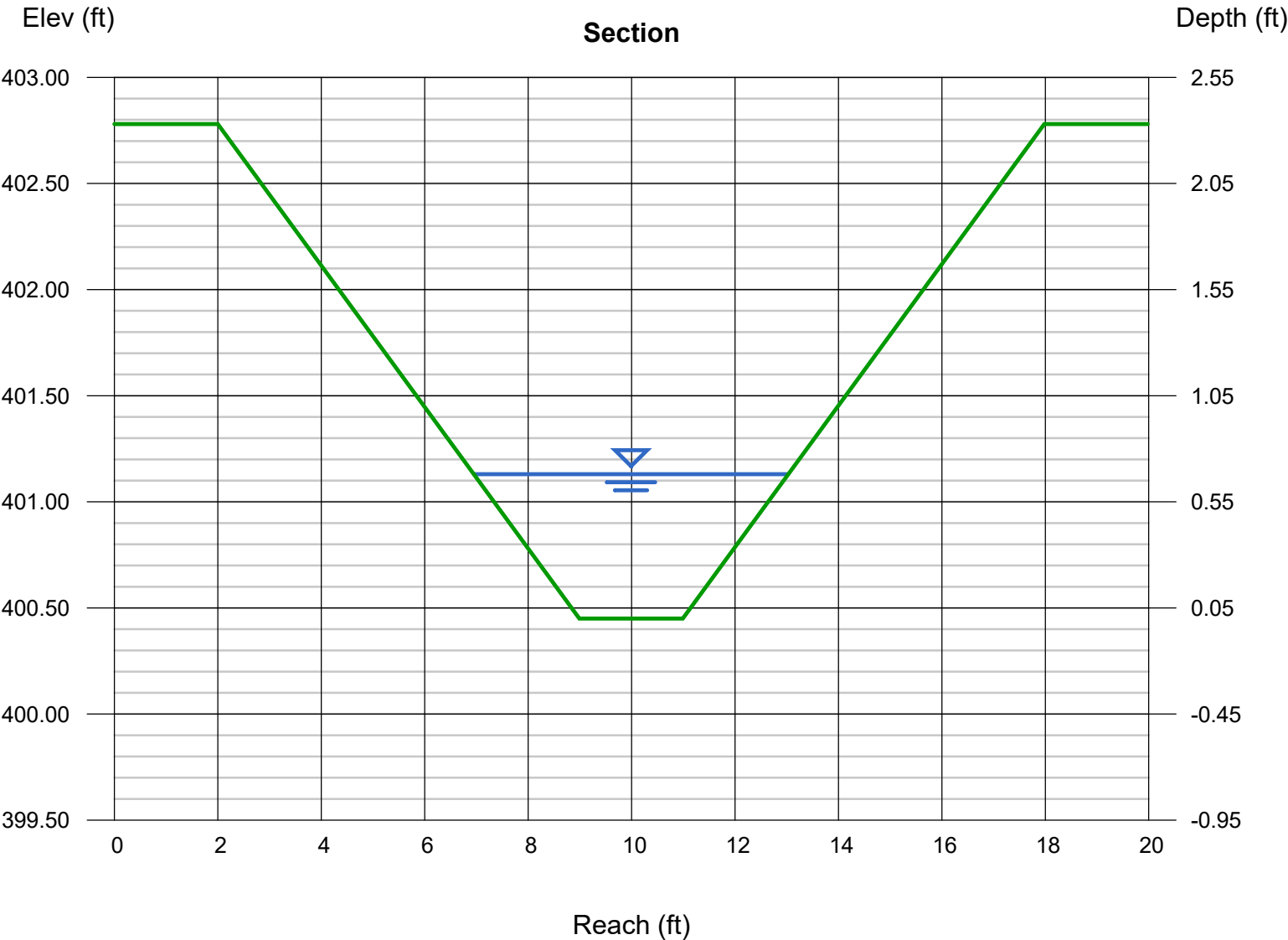
Compute by:	Known Q
Known Q (cfs)	= 11.62



Channel Report

Ditch Section B-B

Trapezoidal		Highlighted	
Bottom Width (ft)	= 2.00	Depth (ft)	= 0.68
Side Slopes (z:1)	= 3.00, 3.00	Q (cfs)	= 11.62
Total Depth (ft)	= 2.33	Area (sqft)	= 2.75
Invert Elev (ft)	= 400.45	Velocity (ft/s)	= 4.23
Slope (%)	= 0.83	Wetted Perim (ft)	= 6.30
N-Value	= 0.018	Crit Depth, Yc (ft)	= 0.72
Calculations		Top Width (ft)	= 6.08
Compute by:		EGL (ft)	= 0.96
Known Q (cfs)	= 11.62		



**APPENDIX E:
RUNOFF & STORAGE CALCULATIONS
PRE-DEVELOPED CONDITIONS**

Pre-Development Conditions

Project Summary	
Title	Good Day Farm - Bryant
Engineer	Ty Gramling
Company	Stock & Associates
Date	6/25/2025
Notes	
Pre-Development Conditions	

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Pre-Development Conditions

Subsection: User Notifications

User Notifications?	No user notifications generated.
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Pre-Development Conditions

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Pre-Developed	Bryant, AR - Synthetic Curve, 2 yrs	2	0.190	12.100	2.30
Pre-Developed	Bryant, AR - Synthetic Curve, 10 yrs	10	0.340	12.100	4.16
Pre-Developed	Bryant, AR - Synthetic Curve, 25 yrs	25	0.425	12.100	5.19
Pre-Developed	Bryant, AR - Synthetic Curve, 50 yrs	50	0.533	12.100	6.49
Pre-Developed	Bryant, AR - Synthetic Curve, 100 yrs	100	0.573	12.100	6.96
Offsite	Bryant, AR - Synthetic Curve, 2 yrs	2	0.020	12.133	0.23
Offsite	Bryant, AR - Synthetic Curve, 10 yrs	10	0.037	12.100	0.45
Offsite	Bryant, AR - Synthetic Curve, 25 yrs	25	0.047	12.100	0.57
Offsite	Bryant, AR - Synthetic Curve, 50 yrs	50	0.060	12.100	0.73
Offsite	Bryant, AR - Synthetic Curve, 100 yrs	100	0.065	12.100	0.79

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Point of Interest	Bryant, AR - Synthetic Curve, 2 yrs	2	0.210	12.100	2.53
Point of Interest	Bryant, AR - Synthetic Curve, 10 yrs	10	0.377	12.100	4.61
Point of Interest	Bryant, AR - Synthetic Curve, 25 yrs	25	0.472	12.100	5.77

Pre-Development Conditions

Subsection: Master Network Summary

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Point of Interest	Bryant, AR - Synthetic Curve, 50 yrs	50	0.593	12.100	7.22
Point of Interest	Bryant, AR - Synthetic Curve, 100 yrs	100	0.637	12.100	7.75

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 2 years

Label: Bryant Arkansas

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time-Depth Curve: TypeIII 24hr (4.3 in)

Label	TypeIII 24hr (4.3 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	2 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.0	0.0
1.000	0.0	0.0	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.1	0.1	0.1	0.1	0.1
3.000	0.1	0.1	0.1	0.1	0.2
3.500	0.2	0.2	0.2	0.2	0.2
4.000	0.2	0.2	0.2	0.2	0.2
4.500	0.2	0.2	0.2	0.2	0.2
5.000	0.2	0.3	0.3	0.3	0.3
5.500	0.3	0.3	0.3	0.3	0.3
6.000	0.3	0.3	0.3	0.3	0.3
6.500	0.3	0.4	0.4	0.4	0.4
7.000	0.4	0.4	0.4	0.4	0.4
7.500	0.4	0.4	0.5	0.5	0.5
8.000	0.5	0.5	0.5	0.5	0.5
8.500	0.6	0.6	0.6	0.6	0.6
9.000	0.6	0.6	0.7	0.7	0.7
9.500	0.7	0.7	0.8	0.8	0.8
10.000	0.8	0.8	0.9	0.9	0.9
10.500	0.9	1.0	1.0	1.0	1.0
11.000	1.1	1.1	1.1	1.2	1.2
11.500	1.3	1.4	1.5	1.6	1.8
12.000	2.1	2.5	2.7	2.8	2.9
12.500	3.0	3.1	3.1	3.2	3.2
13.000	3.2	3.3	3.3	3.3	3.3
13.500	3.4	3.4	3.4	3.4	3.5
14.000	3.5	3.5	3.5	3.5	3.6
14.500	3.6	3.6	3.6	3.6	3.7
15.000	3.7	3.7	3.7	3.7	3.7
15.500	3.7	3.8	3.8	3.8	3.8
16.000	3.8	3.8	3.8	3.8	3.9

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 2 years

Label: Bryant Arkansas

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	3.9	3.9	3.9	3.9	3.9
17.000	3.9	3.9	3.9	3.9	3.9
17.500	4.0	4.0	4.0	4.0	4.0
18.000	4.0	4.0	4.0	4.0	4.0
18.500	4.0	4.0	4.0	4.0	4.0
19.000	4.1	4.1	4.1	4.1	4.1
19.500	4.1	4.1	4.1	4.1	4.1
20.000	4.1	4.1	4.1	4.1	4.1
20.500	4.1	4.1	4.2	4.2	4.2
21.000	4.2	4.2	4.2	4.2	4.2
21.500	4.2	4.2	4.2	4.2	4.2
22.000	4.2	4.2	4.2	4.2	4.2
22.500	4.2	4.2	4.2	4.3	4.3
23.000	4.3	4.3	4.3	4.3	4.3
23.500	4.3	4.3	4.3	4.3	4.3
24.000	4.3	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Time-Depth Curve: TypeIII 24hr (6.0 in)

Label	TypeIII 24hr (6.0 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	10 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.0	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.2	0.2	0.2	0.2
3.500	0.2	0.2	0.2	0.2	0.3
4.000	0.3	0.3	0.3	0.3	0.3
4.500	0.3	0.3	0.3	0.3	0.3
5.000	0.3	0.3	0.4	0.4	0.4
5.500	0.4	0.4	0.4	0.4	0.4
6.000	0.4	0.4	0.5	0.5	0.5
6.500	0.5	0.5	0.5	0.5	0.5
7.000	0.5	0.6	0.6	0.6	0.6
7.500	0.6	0.6	0.6	0.7	0.7
8.000	0.7	0.7	0.7	0.7	0.8
8.500	0.8	0.8	0.8	0.8	0.9
9.000	0.9	0.9	0.9	0.9	1.0
9.500	1.0	1.0	1.0	1.1	1.1
10.000	1.1	1.2	1.2	1.2	1.3
10.500	1.3	1.3	1.4	1.4	1.5
11.000	1.5	1.5	1.6	1.7	1.7
11.500	1.8	1.9	2.0	2.2	2.5
12.000	3.0	3.5	3.8	4.0	4.1
12.500	4.2	4.3	4.3	4.4	4.5
13.000	4.5	4.5	4.6	4.6	4.7
13.500	4.7	4.7	4.8	4.8	4.8
14.000	4.9	4.9	4.9	5.0	5.0
14.500	5.0	5.0	5.1	5.1	5.1
15.000	5.1	5.1	5.2	5.2	5.2
15.500	5.2	5.2	5.3	5.3	5.3
16.000	5.3	5.3	5.3	5.4	5.4

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 10 years

Label: Bryant Arkansas

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	5.4	5.4	5.4	5.4	5.4
17.000	5.5	5.5	5.5	5.5	5.5
17.500	5.5	5.5	5.5	5.5	5.6
18.000	5.6	5.6	5.6	5.6	5.6
18.500	5.6	5.6	5.6	5.6	5.7
19.000	5.7	5.7	5.7	5.7	5.7
19.500	5.7	5.7	5.7	5.7	5.7
20.000	5.7	5.7	5.8	5.8	5.8
20.500	5.8	5.8	5.8	5.8	5.8
21.000	5.8	5.8	5.8	5.8	5.8
21.500	5.9	5.9	5.9	5.9	5.9
22.000	5.9	5.9	5.9	5.9	5.9
22.500	5.9	5.9	5.9	5.9	5.9
23.000	5.9	6.0	6.0	6.0	6.0
23.500	6.0	6.0	6.0	6.0	6.0
24.000	6.0	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Time-Depth Curve: TypeIII 24hr (6.9 in)

Label	TypeIII 24hr (6.9 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	25 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.2	0.2	0.2	0.2
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.3	0.3	0.3	0.3
4.500	0.3	0.4	0.4	0.4	0.4
5.000	0.4	0.4	0.4	0.4	0.4
5.500	0.4	0.5	0.5	0.5	0.5
6.000	0.5	0.5	0.5	0.5	0.5
6.500	0.6	0.6	0.6	0.6	0.6
7.000	0.6	0.6	0.7	0.7	0.7
7.500	0.7	0.7	0.7	0.8	0.8
8.000	0.8	0.8	0.8	0.8	0.9
8.500	0.9	0.9	0.9	1.0	1.0
9.000	1.0	1.0	1.1	1.1	1.1
9.500	1.1	1.2	1.2	1.2	1.3
10.000	1.3	1.3	1.4	1.4	1.5
10.500	1.5	1.5	1.6	1.6	1.7
11.000	1.7	1.8	1.8	1.9	2.0
11.500	2.1	2.2	2.3	2.6	2.9
12.000	3.4	4.0	4.3	4.6	4.7
12.500	4.8	4.9	5.0	5.1	5.1
13.000	5.2	5.2	5.3	5.3	5.4
13.500	5.4	5.4	5.5	5.5	5.6
14.000	5.6	5.6	5.7	5.7	5.7
14.500	5.8	5.8	5.8	5.8	5.9
15.000	5.9	5.9	5.9	6.0	6.0
15.500	6.0	6.0	6.1	6.1	6.1
16.000	6.1	6.1	6.1	6.2	6.2

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 25 years

Label: Bryant Arkansas

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	6.2	6.2	6.2	6.2	6.3
17.000	6.3	6.3	6.3	6.3	6.3
17.500	6.3	6.4	6.4	6.4	6.4
18.000	6.4	6.4	6.4	6.4	6.4
18.500	6.5	6.5	6.5	6.5	6.5
19.000	6.5	6.5	6.5	6.5	6.5
19.500	6.6	6.6	6.6	6.6	6.6
20.000	6.6	6.6	6.6	6.6	6.6
20.500	6.6	6.7	6.7	6.7	6.7
21.000	6.7	6.7	6.7	6.7	6.7
21.500	6.7	6.7	6.7	6.8	6.8
22.000	6.8	6.8	6.8	6.8	6.8
22.500	6.8	6.8	6.8	6.8	6.8
23.000	6.8	6.8	6.9	6.9	6.9
23.500	6.9	6.9	6.9	6.9	6.9
24.000	6.9	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Time-Depth Curve: TypeIII 24hr (8.0 in)

Label	TypeIII 24hr (8.0 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	50 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.1	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.4	0.4	0.4	0.4
4.500	0.4	0.4	0.4	0.4	0.4
5.000	0.5	0.5	0.5	0.5	0.5
5.500	0.5	0.5	0.5	0.6	0.6
6.000	0.6	0.6	0.6	0.6	0.6
6.500	0.6	0.7	0.7	0.7	0.7
7.000	0.7	0.7	0.8	0.8	0.8
7.500	0.8	0.8	0.9	0.9	0.9
8.000	0.9	0.9	1.0	1.0	1.0
8.500	1.0	1.1	1.1	1.1	1.1
9.000	1.2	1.2	1.2	1.3	1.3
9.500	1.3	1.4	1.4	1.4	1.5
10.000	1.5	1.6	1.6	1.6	1.7
10.500	1.7	1.8	1.8	1.9	1.9
11.000	2.0	2.1	2.1	2.2	2.3
11.500	2.4	2.5	2.7	3.0	3.3
12.000	4.0	4.7	5.0	5.3	5.5
12.500	5.6	5.7	5.8	5.9	5.9
13.000	6.0	6.1	6.1	6.2	6.2
13.500	6.3	6.3	6.4	6.4	6.4
14.000	6.5	6.5	6.6	6.6	6.6
14.500	6.7	6.7	6.7	6.8	6.8
15.000	6.8	6.9	6.9	6.9	6.9
15.500	7.0	7.0	7.0	7.0	7.1
16.000	7.1	7.1	7.1	7.1	7.2

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	7.2	7.2	7.2	7.2	7.3
17.000	7.3	7.3	7.3	7.3	7.3
17.500	7.4	7.4	7.4	7.4	7.4
18.000	7.4	7.4	7.4	7.5	7.5
18.500	7.5	7.5	7.5	7.5	7.5
19.000	7.5	7.6	7.6	7.6	7.6
19.500	7.6	7.6	7.6	7.6	7.6
20.000	7.7	7.7	7.7	7.7	7.7
20.500	7.7	7.7	7.7	7.7	7.7
21.000	7.8	7.8	7.8	7.8	7.8
21.500	7.8	7.8	7.8	7.8	7.8
22.000	7.8	7.9	7.9	7.9	7.9
22.500	7.9	7.9	7.9	7.9	7.9
23.000	7.9	7.9	7.9	8.0	8.0
23.500	8.0	8.0	8.0	8.0	8.0
24.000	8.0	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 100 years

Label: Bryant Arkansas

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time-Depth Curve: TypeIII 24hr (8.4 in)

Label	TypeIII 24hr (8.4 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	100 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.1	0.1	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.2	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.3	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.4
4.000	0.4	0.4	0.4	0.4	0.4
4.500	0.4	0.4	0.4	0.5	0.5
5.000	0.5	0.5	0.5	0.5	0.5
5.500	0.5	0.6	0.6	0.6	0.6
6.000	0.6	0.6	0.6	0.6	0.7
6.500	0.7	0.7	0.7	0.7	0.7
7.000	0.8	0.8	0.8	0.8	0.8
7.500	0.9	0.9	0.9	0.9	0.9
8.000	1.0	1.0	1.0	1.0	1.1
8.500	1.1	1.1	1.1	1.2	1.2
9.000	1.2	1.3	1.3	1.3	1.4
9.500	1.4	1.4	1.5	1.5	1.5
10.000	1.6	1.6	1.7	1.7	1.8
10.500	1.8	1.9	1.9	2.0	2.0
11.000	2.1	2.2	2.2	2.3	2.4
11.500	2.5	2.6	2.9	3.1	3.5
12.000	4.2	4.9	5.3	5.5	5.8
12.500	5.9	6.0	6.1	6.2	6.2
13.000	6.3	6.4	6.4	6.5	6.5
13.500	6.6	6.6	6.7	6.7	6.8
14.000	6.8	6.9	6.9	6.9	7.0
14.500	7.0	7.0	7.1	7.1	7.1
15.000	7.2	7.2	7.2	7.3	7.3
15.500	7.3	7.3	7.4	7.4	7.4
16.000	7.4	7.5	7.5	7.5	7.5

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 100 years

Label: Bryant Arkansas

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	7.5	7.6	7.6	7.6	7.6
17.000	7.6	7.7	7.7	7.7	7.7
17.500	7.7	7.7	7.8	7.8	7.8
18.000	7.8	7.8	7.8	7.8	7.8
18.500	7.9	7.9	7.9	7.9	7.9
19.000	7.9	7.9	7.9	8.0	8.0
19.500	8.0	8.0	8.0	8.0	8.0
20.000	8.0	8.0	8.1	8.1	8.1
20.500	8.1	8.1	8.1	8.1	8.1
21.000	8.1	8.2	8.2	8.2	8.2
21.500	8.2	8.2	8.2	8.2	8.2
22.000	8.2	8.2	8.3	8.3	8.3
22.500	8.3	8.3	8.3	8.3	8.3
23.000	8.3	8.3	8.3	8.3	8.4
23.500	8.4	8.4	8.4	8.4	8.4
24.000	8.4	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	68.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.087 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.104 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	68.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.087 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.104 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where: Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	68.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.087 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.104 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	68.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.087 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.104 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	68.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.087 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.104 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	40.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.19 ft/s
Segment Time of Concentration	0.057 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where: Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	40.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.19 ft/s
Segment Time of Concentration	0.057 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	40.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.19 ft/s
Segment Time of Concentration	0.057 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	40.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.19 ft/s
Segment Time of Concentration	0.057 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	40.00 ft
Manning's n	0.240
Slope	0.078 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.19 ft/s
Segment Time of Concentration	0.057 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	False
Slope	0.056 ft/ft
Average Velocity	3.82 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	90.00 ft
Is Paved?	False
Slope	0.073 ft/ft
Average Velocity	4.36 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	34.00 ft
Is Paved?	False
Slope	0.016 ft/ft
Average Velocity	2.04 ft/s
Segment Time of Concentration	0.005 hours

Segment #5: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	24.20 ft
Manning's n	0.013
Slope	0.039 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	9.10 ft/s

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Segment #5: TR-55 Channel Flow

Segment Time of Concentration	0.001 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Fair condition; grass cover 50% to 75% - Soil B	69.000	1.214	0.0	0.0	69.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.148	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.361	(N/A)	(N/A)	72.147

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Fair condition; grass cover 50% to 75% - Soil B	69.000	1.214	0.0	0.0	69.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.148	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.361	(N/A)	(N/A)	72.147

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Fair condition; grass cover 50% to 75% - Soil B	69.000	1.214	0.0	0.0	69.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.148	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.361	(N/A)	(N/A)	72.147

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Fair condition; grass cover 50% to 75% - Soil B	69.000	1.214	0.0	0.0	69.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.148	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.361	(N/A)	(N/A)	72.147

Pre-Development Conditions

Subsection: Runoff CN-Area

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Fair condition; grass cover 50% to 75% - Soil B	69.000	1.214	0.0	0.0	69.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.148	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.361	(N/A)	(N/A)	72.147

Pre-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method (Computational Notes)

Definition of Terms

At	Total area (acres): $At = Ai + Ap$
Ai	Impervious area (acres)
Ap	Pervious area (acres)
CNi	Runoff curve number for impervious area
CNp	Runoff curve number for pervious area
fLoss	f loss constant infiltration (depth/time)
gKs	Saturated Hydraulic Conductivity (depth/time)
Md	Volumetric Moisture Deficit
Psi	Capillary Suction (length)
hK	Horton Infiltration Decay Rate (time^{-1})
fo	Initial Infiltration Rate (depth/time)
fc	Ultimate(capacity)Infiltration Rate (depth/time)
Ia	Initial Abstraction (length)
dt	Computational increment (duration of unit excess rainfall) Default dt is smallest value of $0.1333T_c$, r_{tm} , and t_h (Smallest dt is then adjusted to match up with T_p)
UDdt	User specified override computational main time increment (only used if UDdt is $\Rightarrow .1333T_c$)
D(t)	Point on distribution curve (fraction of P) for time step t
K	$2 / (1 + (T_r/T_p))$: default $K = 0.75$: (for $T_r/T_p = 1.67$)
Ks	Hydrograph shape factor = Unit Conversions * K: $= ((1\text{hr}/3600\text{sec}) * (1\text{ft}/12\text{in}) * ((5280\text{ft})^2/\text{sq.mi})) * K$ Default $K_s = 645.333 * 0.75 = 484$
Lag	Lag time from center of excess runoff (dt) to T_p : $\text{Lag} = 0.6T_c$
P	Total precipitation depth, inches
Pa(t)	Accumulated rainfall at time step t
Pi(t)	Incremental rainfall at time step t
qp	Peak discharge (cfs) for 1in. runoff, for 1 sq.mi. $= (K_s * A * Q) / T_p$ (where $Q = 1\text{in. runoff}$, $A = \text{sq.mi.}$)
Qu(t)	Unit hydrograph ordinate (cfs) at time step t
Q(t)	Final hydrograph ordinate (cfs) at time step t
Rai(t)	Accumulated runoff (inches) at time step t for impervious area
Rap(t)	Accumulated runoff (inches) at time step t for pervious area
Rii(t)	Incremental runoff (inches) at time step t for impervious area
Rip(t)	Incremental runoff (inches) at time step t for pervious area
R(t)	Incremental weighted total runoff (inches)
Rtm	Time increment for rainfall table
Si	S for impervious area: $Si = (1000/CNi) - 10$
Sp	S for pervious area: $Sp = (1000/CNp) - 10$
t	Time step (row) number
Tc	Time of concentration
Tb	Time (hrs) of entire unit hydrograph: $T_b = T_p + T_r$
Tp	Time (hrs) to peak of a unit hydrograph: $T_p = (dt/2) + \text{Lag}$
Tr	Time (hrs) of receding limb of unit hydrograph: $T_r = \text{ratio of } T_p$

Pre-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method

Computational Notes

Precipitation

Column (1)	Time for time step t
Column (2)	$D(t)$ = Point on distribution curve for time step t
Column (3)	$P_i(t) = P_a(t) - P_a(t-1)$: Col.(4) - Preceding Col.(4)
Column (4)	$P_a(t) = D(t) \times P$: Col.(2) x P

Pervious Area Runoff (using SCS Runoff CN Method)

Column (5)	$Rap(t)$ = Accumulated pervious runoff for time step t If $(P_a(t))$ is $\leq 0.2Sp$ then use: $Rap(t) = 0.0$ If $(P_a(t))$ is $> 0.2Sp$ then use: $Rap(t) = (Col.(4) - 0.2Sp) \times 2 / (Col.(4) + 0.8Sp)$
Column (6)	$Rip(t)$ = Incremental pervious runoff for time step t $Rip(t) = Rap(t) - Rap(t-1)$ $Rip(t) = Col.(5)$ for current row - $Col.(5)$ for preceding row.

Impervious Area Runoff

Column (7 & 8)...	Did not specify to use impervious areas.
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Incremental Weighted Runoff

Column (9)	$R(t) = (A_p/At) \times Rip(t) + (A_i/At) \times Rii(t)$ $R(t) = (A_p/At) \times Col.(6) + (A_i/At) \times Col.(8)$
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SCS Unit Hydrograph Method

Column (10)	$Q(t)$ is computed with the SCS unit hydrograph method using $R(t)$ and $Qu(t)$.
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Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.014 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	0.24 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.133 hours
Flow (Peak Interpolated Output)	0.23 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.4 in
Runoff Volume (Pervious)	0.020 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.020 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.104 hours
Computational Time Increment	0.014 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.85 ft ³ /s
Unit peak time, Tp	0.070 hours
Unit receding limb, Tr	0.278 hours
Total unit time, Tb	0.348 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.800	0.00	0.00	0.00	0.00	0.00
10.967	0.00	0.00	0.00	0.00	0.00
11.133	0.00	0.00	0.00	0.00	0.01
11.300	0.01	0.01	0.01	0.01	0.01
11.467	0.01	0.01	0.01	0.01	0.02
11.633	0.02	0.02	0.03	0.03	0.04
11.800	0.05	0.05	0.06	0.07	0.09
11.967	0.13	0.16	0.19	0.21	0.23
12.133	0.23	0.20	0.17	0.15	0.14
12.300	0.13	0.12	0.11	0.10	0.09
12.467	0.08	0.07	0.06	0.06	0.05
12.633	0.05	0.04	0.04	0.04	0.04
12.800	0.04	0.04	0.04	0.04	0.03
12.967	0.03	0.03	0.03	0.03	0.03
13.133	0.03	0.03	0.03	0.03	0.03
13.300	0.03	0.03	0.03	0.03	0.03
13.467	0.03	0.03	0.03	0.03	0.03
13.633	0.02	0.02	0.02	0.02	0.02
13.800	0.02	0.02	0.02	0.02	0.02
13.967	0.02	0.02	0.02	0.02	0.02
14.133	0.02	0.02	0.02	0.02	0.02
14.300	0.02	0.02	0.02	0.02	0.02
14.467	0.02	0.02	0.02	0.02	0.02
14.633	0.02	0.02	0.02	0.02	0.02
14.800	0.02	0.02	0.02	0.02	0.02
14.967	0.02	0.02	0.02	0.02	0.02
15.133	0.02	0.02	0.02	0.02	0.02
15.300	0.02	0.02	0.02	0.02	0.01
15.467	0.01	0.01	0.01	0.01	0.01
15.633	0.01	0.01	0.01	0.01	0.01
15.800	0.01	0.01	0.01	0.01	0.01
15.967	0.01	0.01	0.01	0.01	0.01

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
16.133	0.01	0.01	0.01	0.01	0.01
16.300	0.01	0.01	0.01	0.01	0.01
16.467	0.01	0.01	0.01	0.01	0.01
16.633	0.01	0.01	0.01	0.01	0.01
16.800	0.01	0.01	0.01	0.01	0.01
16.967	0.01	0.01	0.01	0.01	0.01
17.133	0.01	0.01	0.01	0.01	0.01
17.300	0.01	0.01	0.01	0.01	0.01
17.467	0.01	0.01	0.01	0.01	0.01
17.633	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
17.967	0.01	0.01	0.01	0.01	0.01
18.133	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.467	0.01	0.01	0.01	0.01	0.01
18.633	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
18.967	0.01	0.01	0.01	0.01	0.01
19.133	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.467	0.01	0.01	0.01	0.01	0.01
19.633	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
19.967	0.01	0.01	0.01	0.01	0.01
20.133	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.467	0.01	0.01	0.01	0.01	0.01
20.633	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
20.967	0.01	0.01	0.01	0.01	0.01
21.133	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.467	0.01	0.01	0.01	0.01	0.01
21.633	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
21.967	0.01	0.01	0.01	0.01	0.01
22.133	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.467	0.00	0.00	0.00	0.00	0.00
22.633	0.00	0.00	0.00	0.00	0.00
22.800	0.00	0.00	0.00	0.00	0.00
22.967	0.00	0.00	0.00	0.00	0.00

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.133	0.00	0.00	0.00	0.00	0.00
23.300	0.00	0.00	0.00	0.00	0.00
23.467	0.00	0.00	0.00	0.00	0.00
23.633	0.00	0.00	0.00	0.00	0.00
23.800	0.00	0.00	0.00	0.00	0.00
23.967	0.00	0.00	0.00	0.00	0.00
24.133	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.014 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	0.46 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.45 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.6 in
Runoff Volume (Pervious)	0.037 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.037 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.104 hours
Computational Time Increment	0.014 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.85 ft ³ /s
Unit peak time, Tp	0.070 hours
Unit receding limb, Tr	0.278 hours
Total unit time, Tb	0.348 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.567	0.00	0.00	0.00	0.00	0.00
9.733	0.00	0.00	0.00	0.00	0.00
9.900	0.00	0.00	0.00	0.00	0.00
10.067	0.00	0.00	0.00	0.00	0.00
10.233	0.01	0.01	0.01	0.01	0.01
10.400	0.01	0.01	0.01	0.01	0.01
10.567	0.01	0.01	0.01	0.01	0.01
10.733	0.01	0.01	0.01	0.01	0.01
10.900	0.01	0.01	0.01	0.01	0.01
11.067	0.02	0.02	0.02	0.02	0.02
11.233	0.02	0.02	0.02	0.02	0.02
11.400	0.03	0.03	0.03	0.03	0.03
11.567	0.04	0.04	0.05	0.06	0.07
11.733	0.08	0.10	0.11	0.13	0.15
11.900	0.16	0.20	0.27	0.34	0.39
12.067	0.42	0.45	0.45	0.39	0.32
12.233	0.28	0.26	0.23	0.22	0.20
12.400	0.18	0.17	0.14	0.13	0.11
12.567	0.10	0.09	0.08	0.08	0.07
12.733	0.07	0.07	0.07	0.07	0.06
12.900	0.06	0.06	0.06	0.06	0.05
13.067	0.05	0.05	0.05	0.05	0.05
13.233	0.05	0.05	0.05	0.05	0.05
13.400	0.05	0.05	0.05	0.04	0.04
13.567	0.04	0.04	0.04	0.04	0.04
13.733	0.04	0.04	0.04	0.04	0.04
13.900	0.04	0.04	0.04	0.04	0.04
14.067	0.04	0.04	0.04	0.03	0.03
14.233	0.03	0.03	0.03	0.03	0.03
14.400	0.03	0.03	0.03	0.03	0.03
14.567	0.03	0.03	0.03	0.03	0.03
14.733	0.03	0.03	0.03	0.03	0.03

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Offsite

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.900	0.03	0.03	0.03	0.03	0.03
15.067	0.03	0.03	0.03	0.03	0.03
15.233	0.03	0.03	0.03	0.03	0.03
15.400	0.03	0.02	0.02	0.02	0.02
15.567	0.02	0.02	0.02	0.02	0.02
15.733	0.02	0.02	0.02	0.02	0.02
15.900	0.02	0.02	0.02	0.02	0.02
16.067	0.02	0.02	0.02	0.02	0.02
16.233	0.02	0.02	0.02	0.02	0.02
16.400	0.02	0.02	0.02	0.02	0.02
16.567	0.02	0.02	0.02	0.02	0.02
16.733	0.02	0.02	0.02	0.02	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.067	0.02	0.02	0.02	0.02	0.02
17.233	0.02	0.02	0.02	0.02	0.01
17.400	0.01	0.01	0.01	0.01	0.01
17.567	0.01	0.01	0.01	0.01	0.01
17.733	0.01	0.01	0.01	0.01	0.01
17.900	0.01	0.01	0.01	0.01	0.01
18.067	0.01	0.01	0.01	0.01	0.01
18.233	0.01	0.01	0.01	0.01	0.01
18.400	0.01	0.01	0.01	0.01	0.01
18.567	0.01	0.01	0.01	0.01	0.01
18.733	0.01	0.01	0.01	0.01	0.01
18.900	0.01	0.01	0.01	0.01	0.01
19.067	0.01	0.01	0.01	0.01	0.01
19.233	0.01	0.01	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.567	0.01	0.01	0.01	0.01	0.01
19.733	0.01	0.01	0.01	0.01	0.01
19.900	0.01	0.01	0.01	0.01	0.01
20.067	0.01	0.01	0.01	0.01	0.01
20.233	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.567	0.01	0.01	0.01	0.01	0.01
20.733	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.067	0.01	0.01	0.01	0.01	0.01
21.233	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.567	0.01	0.01	0.01	0.01	0.01
21.733	0.01	0.01	0.01	0.01	0.01

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Offsite

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.900	0.01	0.01	0.01	0.01	0.01
22.067	0.01	0.01	0.01	0.01	0.01
22.233	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.567	0.01	0.01	0.01	0.01	0.01
22.733	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.067	0.01	0.01	0.01	0.01	0.01
23.233	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.567	0.01	0.01	0.01	0.01	0.01
23.733	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	0.01	0.01
24.067	0.00	0.00	0.00	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.014 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	0.58 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.57 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.3 in
Runoff Volume (Pervious)	0.047 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.047 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.104 hours
Computational Time Increment	0.014 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.85 ft ³ /s
Unit peak time, Tp	0.070 hours
Unit receding limb, Tr	0.278 hours
Total unit time, Tb	0.348 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.033	0.00	0.00	0.00	0.00	0.00
9.200	0.00	0.00	0.00	0.00	0.00
9.367	0.00	0.00	0.00	0.00	0.00
9.533	0.00	0.00	0.00	0.00	0.00
9.700	0.00	0.01	0.01	0.01	0.01
9.867	0.01	0.01	0.01	0.01	0.01
10.033	0.01	0.01	0.01	0.01	0.01
10.200	0.01	0.01	0.01	0.01	0.01
10.367	0.01	0.01	0.01	0.01	0.01
10.533	0.01	0.01	0.01	0.02	0.02
10.700	0.02	0.02	0.02	0.02	0.02
10.867	0.02	0.02	0.02	0.02	0.02
11.033	0.02	0.02	0.02	0.03	0.03
11.200	0.03	0.03	0.03	0.03	0.03
11.367	0.04	0.04	0.04	0.04	0.04
11.533	0.05	0.05	0.06	0.07	0.09
11.700	0.10	0.12	0.14	0.15	0.17
11.867	0.20	0.22	0.26	0.35	0.44
12.033	0.51	0.55	0.57	0.57	0.49
12.200	0.41	0.36	0.32	0.29	0.27
12.367	0.25	0.22	0.21	0.18	0.16
12.533	0.14	0.12	0.11	0.10	0.09
12.700	0.09	0.09	0.09	0.08	0.08
12.867	0.08	0.08	0.07	0.07	0.07
13.033	0.07	0.06	0.06	0.06	0.06
13.200	0.06	0.06	0.06	0.06	0.06
13.367	0.06	0.06	0.06	0.06	0.05
13.533	0.05	0.05	0.05	0.05	0.05
13.700	0.05	0.05	0.05	0.05	0.05
13.867	0.05	0.05	0.05	0.05	0.04
14.033	0.04	0.04	0.04	0.04	0.04
14.200	0.04	0.04	0.04	0.04	0.04

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Offsite

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.367	0.04	0.04	0.04	0.04	0.04
14.533	0.04	0.04	0.04	0.04	0.04
14.700	0.04	0.04	0.04	0.04	0.04
14.867	0.04	0.04	0.04	0.03	0.03
15.033	0.03	0.03	0.03	0.03	0.03
15.200	0.03	0.03	0.03	0.03	0.03
15.367	0.03	0.03	0.03	0.03	0.03
15.533	0.03	0.03	0.03	0.03	0.03
15.700	0.03	0.03	0.03	0.03	0.03
15.867	0.03	0.03	0.03	0.02	0.02
16.033	0.02	0.02	0.02	0.02	0.02
16.200	0.02	0.02	0.02	0.02	0.02
16.367	0.02	0.02	0.02	0.02	0.02
16.533	0.02	0.02	0.02	0.02	0.02
16.700	0.02	0.02	0.02	0.02	0.02
16.867	0.02	0.02	0.02	0.02	0.02
17.033	0.02	0.02	0.02	0.02	0.02
17.200	0.02	0.02	0.02	0.02	0.02
17.367	0.02	0.02	0.02	0.02	0.02
17.533	0.02	0.02	0.02	0.02	0.02
17.700	0.02	0.02	0.02	0.02	0.02
17.867	0.02	0.02	0.02	0.02	0.02
18.033	0.02	0.01	0.01	0.01	0.01
18.200	0.01	0.01	0.01	0.01	0.01
18.367	0.01	0.01	0.01	0.01	0.01
18.533	0.01	0.01	0.01	0.01	0.01
18.700	0.01	0.01	0.01	0.01	0.01
18.867	0.01	0.01	0.01	0.01	0.01
19.033	0.01	0.01	0.01	0.01	0.01
19.200	0.01	0.01	0.01	0.01	0.01
19.367	0.01	0.01	0.01	0.01	0.01
19.533	0.01	0.01	0.01	0.01	0.01
19.700	0.01	0.01	0.01	0.01	0.01
19.867	0.01	0.01	0.01	0.01	0.01
20.033	0.01	0.01	0.01	0.01	0.01
20.200	0.01	0.01	0.01	0.01	0.01
20.367	0.01	0.01	0.01	0.01	0.01
20.533	0.01	0.01	0.01	0.01	0.01
20.700	0.01	0.01	0.01	0.01	0.01
20.867	0.01	0.01	0.01	0.01	0.01
21.033	0.01	0.01	0.01	0.01	0.01
21.200	0.01	0.01	0.01	0.01	0.01

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Offsite

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.367	0.01	0.01	0.01	0.01	0.01
21.533	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01
21.867	0.01	0.01	0.01	0.01	0.01
22.033	0.01	0.01	0.01	0.01	0.01
22.200	0.01	0.01	0.01	0.01	0.01
22.367	0.01	0.01	0.01	0.01	0.01
22.533	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.867	0.01	0.01	0.01	0.01	0.01
23.033	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.367	0.01	0.01	0.01	0.01	0.01
23.533	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.867	0.01	0.01	0.01	0.01	0.01
24.033	0.01	0.00	0.00	0.00	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.014 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	0.73 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.73 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.2 in
Runoff Volume (Pervious)	0.060 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.060 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.104 hours
Computational Time Increment	0.014 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.85 ft ³ /s
Unit peak time, Tp	0.070 hours
Unit receding limb, Tr	0.278 hours
Total unit time, Tb	0.348 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.467	0.00	0.00	0.00	0.00	0.00
8.633	0.00	0.00	0.00	0.00	0.00
8.800	0.00	0.00	0.00	0.00	0.00
8.967	0.00	0.00	0.00	0.00	0.00
9.133	0.00	0.01	0.01	0.01	0.01
9.300	0.01	0.01	0.01	0.01	0.01
9.467	0.01	0.01	0.01	0.01	0.01
9.633	0.01	0.01	0.01	0.01	0.01
9.800	0.01	0.01	0.01	0.01	0.01
9.967	0.01	0.01	0.01	0.01	0.01
10.133	0.01	0.02	0.02	0.02	0.02
10.300	0.02	0.02	0.02	0.02	0.02
10.467	0.02	0.02	0.02	0.02	0.02
10.633	0.02	0.02	0.02	0.03	0.03
10.800	0.03	0.03	0.03	0.03	0.03
10.967	0.03	0.03	0.03	0.03	0.04
11.133	0.04	0.04	0.04	0.04	0.04
11.300	0.05	0.05	0.05	0.05	0.06
11.467	0.06	0.06	0.07	0.08	0.09
11.633	0.10	0.12	0.14	0.16	0.18
11.800	0.21	0.23	0.26	0.29	0.34
11.967	0.46	0.58	0.65	0.70	0.73
12.133	0.72	0.61	0.51	0.45	0.40
12.300	0.37	0.34	0.31	0.28	0.26
12.467	0.22	0.19	0.17	0.15	0.13
12.633	0.12	0.12	0.11	0.11	0.11
12.800	0.10	0.10	0.10	0.09	0.09
12.967	0.09	0.08	0.08	0.08	0.08
13.133	0.08	0.08	0.07	0.07	0.07
13.300	0.07	0.07	0.07	0.07	0.07
13.467	0.07	0.07	0.07	0.07	0.06
13.633	0.06	0.06	0.06	0.06	0.06

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Offsite

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.800	0.06	0.06	0.06	0.06	0.06
13.967	0.06	0.06	0.05	0.05	0.05
14.133	0.05	0.05	0.05	0.05	0.05
14.300	0.05	0.05	0.05	0.05	0.05
14.467	0.05	0.05	0.05	0.05	0.05
14.633	0.05	0.05	0.05	0.05	0.05
14.800	0.04	0.04	0.04	0.04	0.04
14.967	0.04	0.04	0.04	0.04	0.04
15.133	0.04	0.04	0.04	0.04	0.04
15.300	0.04	0.04	0.04	0.04	0.04
15.467	0.04	0.04	0.04	0.04	0.03
15.633	0.03	0.03	0.03	0.03	0.03
15.800	0.03	0.03	0.03	0.03	0.03
15.967	0.03	0.03	0.03	0.03	0.03
16.133	0.03	0.03	0.03	0.03	0.03
16.300	0.03	0.03	0.03	0.03	0.03
16.467	0.03	0.03	0.03	0.03	0.03
16.633	0.03	0.03	0.03	0.03	0.03
16.800	0.03	0.02	0.02	0.02	0.02
16.967	0.02	0.02	0.02	0.02	0.02
17.133	0.02	0.02	0.02	0.02	0.02
17.300	0.02	0.02	0.02	0.02	0.02
17.467	0.02	0.02	0.02	0.02	0.02
17.633	0.02	0.02	0.02	0.02	0.02
17.800	0.02	0.02	0.02	0.02	0.02
17.967	0.02	0.02	0.02	0.02	0.02
18.133	0.02	0.02	0.02	0.02	0.02
18.300	0.02	0.02	0.02	0.02	0.02
18.467	0.02	0.02	0.02	0.02	0.02
18.633	0.02	0.02	0.02	0.02	0.02
18.800	0.02	0.02	0.02	0.02	0.02
18.967	0.02	0.02	0.02	0.02	0.02
19.133	0.02	0.02	0.02	0.02	0.02
19.300	0.02	0.02	0.02	0.02	0.02
19.467	0.02	0.02	0.02	0.02	0.02
19.633	0.02	0.02	0.02	0.02	0.02
19.800	0.02	0.02	0.02	0.02	0.02
19.967	0.01	0.01	0.01	0.01	0.01
20.133	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.467	0.01	0.01	0.01	0.01	0.01
20.633	0.01	0.01	0.01	0.01	0.01

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Offsite

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.800	0.01	0.01	0.01	0.01	0.01
20.967	0.01	0.01	0.01	0.01	0.01
21.133	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.467	0.01	0.01	0.01	0.01	0.01
21.633	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
21.967	0.01	0.01	0.01	0.01	0.01
22.133	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.467	0.01	0.01	0.01	0.01	0.01
22.633	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
22.967	0.01	0.01	0.01	0.01	0.01
23.133	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.467	0.01	0.01	0.01	0.01	0.01
23.633	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01
23.967	0.01	0.01	0.01	0.01	0.00
24.133	0.00	0.00	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 100 years

Label: Offsite

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.014 hours
Time to Peak (Computed)	12.106 hours
Flow (Peak, Computed)	0.79 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.79 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.6 in
Runoff Volume (Pervious)	0.065 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.065 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.104 hours
Computational Time Increment	0.014 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.85 ft ³ /s
Unit peak time, Tp	0.070 hours
Unit receding limb, Tr	0.278 hours
Total unit time, Tb	0.348 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Offsite

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.104 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.267	0.00	0.00	0.00	0.00	0.00
8.433	0.00	0.00	0.00	0.00	0.00
8.600	0.00	0.00	0.00	0.00	0.00
8.767	0.00	0.00	0.00	0.00	0.00
8.933	0.00	0.01	0.01	0.01	0.01
9.100	0.01	0.01	0.01	0.01	0.01
9.267	0.01	0.01	0.01	0.01	0.01
9.433	0.01	0.01	0.01	0.01	0.01
9.600	0.01	0.01	0.01	0.01	0.01
9.767	0.01	0.01	0.01	0.01	0.01
9.933	0.01	0.01	0.02	0.02	0.02
10.100	0.02	0.02	0.02	0.02	0.02
10.267	0.02	0.02	0.02	0.02	0.02
10.433	0.02	0.02	0.02	0.02	0.03
10.600	0.03	0.03	0.03	0.03	0.03
10.767	0.03	0.03	0.03	0.03	0.03
10.933	0.03	0.03	0.04	0.04	0.04
11.100	0.04	0.04	0.04	0.05	0.05
11.267	0.05	0.05	0.05	0.06	0.06
11.433	0.06	0.07	0.07	0.07	0.08
11.600	0.10	0.11	0.13	0.15	0.17
11.767	0.20	0.23	0.25	0.28	0.32
11.933	0.37	0.50	0.63	0.70	0.75
12.100	0.79	0.77	0.66	0.55	0.48
12.267	0.43	0.39	0.37	0.33	0.30
12.433	0.27	0.24	0.21	0.19	0.16
12.600	0.14	0.13	0.13	0.12	0.12
12.767	0.11	0.11	0.11	0.10	0.10
12.933	0.10	0.09	0.09	0.09	0.09
13.100	0.08	0.08	0.08	0.08	0.08
13.267	0.08	0.08	0.08	0.08	0.07
13.433	0.07	0.07	0.07	0.07	0.07

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Offsite

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.600	0.07	0.07	0.07	0.07	0.07
13.767	0.06	0.06	0.06	0.06	0.06
13.933	0.06	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.06	0.05
14.267	0.05	0.05	0.05	0.05	0.05
14.433	0.05	0.05	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.767	0.05	0.05	0.05	0.05	0.05
14.933	0.05	0.05	0.05	0.04	0.04
15.100	0.04	0.04	0.04	0.04	0.04
15.267	0.04	0.04	0.04	0.04	0.04
15.433	0.04	0.04	0.04	0.04	0.04
15.600	0.04	0.04	0.04	0.04	0.04
15.767	0.04	0.03	0.03	0.03	0.03
15.933	0.03	0.03	0.03	0.03	0.03
16.100	0.03	0.03	0.03	0.03	0.03
16.267	0.03	0.03	0.03	0.03	0.03
16.433	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.767	0.03	0.03	0.03	0.03	0.03
16.933	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.02	0.02	0.02	0.02
17.267	0.02	0.02	0.02	0.02	0.02
17.433	0.02	0.02	0.02	0.02	0.02
17.600	0.02	0.02	0.02	0.02	0.02
17.767	0.02	0.02	0.02	0.02	0.02
17.933	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.267	0.02	0.02	0.02	0.02	0.02
18.433	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.02
18.767	0.02	0.02	0.02	0.02	0.02
18.933	0.02	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.267	0.02	0.02	0.02	0.02	0.02
19.433	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.767	0.02	0.02	0.02	0.02	0.02
19.933	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.267	0.02	0.02	0.02	0.02	0.02
20.433	0.02	0.02	0.02	0.02	0.02

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Offsite

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.600	0.02	0.02	0.01	0.01	0.01
20.767	0.01	0.01	0.01	0.01	0.01
20.933	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.267	0.01	0.01	0.01	0.01	0.01
21.433	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.767	0.01	0.01	0.01	0.01	0.01
21.933	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.267	0.01	0.01	0.01	0.01	0.01
22.433	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.767	0.01	0.01	0.01	0.01	0.01
22.933	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.267	0.01	0.01	0.01	0.01	0.01
23.433	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.767	0.01	0.01	0.01	0.01	0.01
23.933	0.01	0.01	0.01	0.01	0.01
24.100	0.00	0.00	0.00	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 2 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	2.33 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	2.30 ft ³ /s
Drainage Area	
SCS CN (Composite)	72.000
Area (User Defined)	1.361 acres
Maximum Retention (Pervious)	3.9 in
Maximum Retention (Pervious, 20 percent)	0.8 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.7 in
Runoff Volume (Pervious)	0.190 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.190 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 2 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.42 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.933	0.00	0.00	0.00	0.00	0.00
10.100	0.01	0.01	0.01	0.01	0.01
10.267	0.01	0.01	0.01	0.02	0.02
10.433	0.02	0.02	0.02	0.02	0.03
10.600	0.03	0.03	0.03	0.03	0.04
10.767	0.04	0.04	0.04	0.04	0.05
10.933	0.05	0.05	0.05	0.06	0.06
11.100	0.06	0.07	0.07	0.08	0.08
11.267	0.09	0.09	0.10	0.11	0.11
11.433	0.12	0.13	0.13	0.15	0.17
11.600	0.20	0.23	0.28	0.34	0.39
11.767	0.46	0.54	0.60	0.70	0.80
11.933	0.96	1.35	1.73	1.97	2.16
12.100	2.30	2.28	1.95	1.62	1.45
12.267	1.31	1.21	1.13	1.02	0.93
12.433	0.86	0.74	0.65	0.59	0.51
12.600	0.45	0.42	0.40	0.39	0.38
12.767	0.37	0.36	0.35	0.33	0.32
12.933	0.32	0.30	0.29	0.29	0.28
13.100	0.27	0.27	0.26	0.26	0.26
13.267	0.25	0.25	0.25	0.25	0.24
13.433	0.24	0.24	0.24	0.23	0.23
13.600	0.23	0.23	0.22	0.22	0.22
13.767	0.21	0.21	0.21	0.21	0.20
13.933	0.20	0.20	0.20	0.19	0.19
14.100	0.19	0.19	0.19	0.18	0.18
14.267	0.18	0.18	0.18	0.18	0.18
14.433	0.18	0.17	0.17	0.17	0.17
14.600	0.17	0.17	0.17	0.16	0.16
14.767	0.16	0.16	0.16	0.16	0.16
14.933	0.15	0.15	0.15	0.15	0.15
15.100	0.15	0.15	0.14	0.14	0.14

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.267	0.14	0.14	0.14	0.14	0.13
15.433	0.13	0.13	0.13	0.13	0.13
15.600	0.13	0.13	0.12	0.12	0.12
15.767	0.12	0.12	0.12	0.11	0.11
15.933	0.11	0.11	0.11	0.11	0.11
16.100	0.11	0.10	0.10	0.10	0.10
16.267	0.10	0.10	0.10	0.10	0.10
16.433	0.10	0.10	0.10	0.10	0.10
16.600	0.10	0.09	0.09	0.09	0.09
16.767	0.09	0.09	0.09	0.09	0.09
16.933	0.09	0.09	0.09	0.09	0.09
17.100	0.09	0.09	0.08	0.08	0.08
17.267	0.08	0.08	0.08	0.08	0.08
17.433	0.08	0.08	0.08	0.08	0.08
17.600	0.08	0.08	0.07	0.07	0.07
17.767	0.07	0.07	0.07	0.07	0.07
17.933	0.07	0.07	0.07	0.07	0.07
18.100	0.07	0.07	0.07	0.07	0.07
18.267	0.07	0.06	0.06	0.06	0.06
18.433	0.06	0.06	0.06	0.06	0.06
18.600	0.06	0.06	0.06	0.06	0.06
18.767	0.06	0.06	0.06	0.06	0.06
18.933	0.06	0.06	0.06	0.06	0.06
19.100	0.06	0.06	0.06	0.06	0.06
19.267	0.06	0.06	0.06	0.06	0.06
19.433	0.06	0.06	0.06	0.06	0.06
19.600	0.06	0.06	0.06	0.06	0.06
19.767	0.06	0.06	0.06	0.06	0.06
19.933	0.06	0.06	0.06	0.05	0.05
20.100	0.05	0.05	0.05	0.05	0.05
20.267	0.05	0.05	0.05	0.05	0.05
20.433	0.05	0.05	0.05	0.05	0.05
20.600	0.05	0.05	0.05	0.05	0.05
20.767	0.05	0.05	0.05	0.05	0.05
20.933	0.05	0.05	0.05	0.05	0.05
21.100	0.05	0.05	0.05	0.05	0.05
21.267	0.05	0.05	0.05	0.05	0.05
21.433	0.05	0.05	0.05	0.05	0.05
21.600	0.05	0.05	0.05	0.05	0.05
21.767	0.05	0.05	0.05	0.05	0.05
21.933	0.05	0.05	0.05	0.05	0.05
22.100	0.05	0.05	0.05	0.05	0.04

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.267	0.04	0.04	0.04	0.04	0.04
22.433	0.04	0.04	0.04	0.04	0.04
22.600	0.04	0.04	0.04	0.04	0.04
22.767	0.04	0.04	0.04	0.04	0.04
22.933	0.04	0.04	0.04	0.04	0.04
23.100	0.04	0.04	0.04	0.04	0.04
23.267	0.04	0.04	0.04	0.04	0.04
23.433	0.04	0.04	0.04	0.04	0.04
23.600	0.04	0.04	0.04	0.04	0.04
23.767	0.04	0.04	0.04	0.04	0.04
23.933	0.04	0.04	0.04	0.03	0.02
24.100	0.01	0.00	0.00	0.00	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	4.18 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	4.16 ft ³ /s
Drainage Area	
SCS CN (Composite)	72.000
Area (User Defined)	1.361 acres
Maximum Retention (Pervious)	3.9 in
Maximum Retention (Pervious, 20 percent)	0.8 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.0 in
Runoff Volume (Pervious)	0.340 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.340 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.42 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.633	0.00	0.00	0.00	0.00	0.00
8.800	0.01	0.01	0.01	0.01	0.01
8.967	0.01	0.01	0.01	0.01	0.02
9.133	0.02	0.02	0.02	0.02	0.02
9.300	0.02	0.03	0.03	0.03	0.03
9.467	0.03	0.03	0.03	0.04	0.04
9.633	0.04	0.04	0.04	0.04	0.05
9.800	0.05	0.05	0.05	0.05	0.06
9.967	0.06	0.06	0.06	0.06	0.07
10.133	0.07	0.07	0.07	0.08	0.08
10.300	0.08	0.09	0.09	0.09	0.10
10.467	0.10	0.10	0.11	0.11	0.11
10.633	0.12	0.12	0.13	0.13	0.13
10.800	0.14	0.14	0.15	0.15	0.15
10.967	0.16	0.16	0.17	0.18	0.18
11.133	0.19	0.20	0.21	0.22	0.24
11.300	0.25	0.26	0.27	0.29	0.30
11.467	0.31	0.33	0.35	0.41	0.47
11.633	0.53	0.65	0.76	0.86	1.01
11.800	1.14	1.27	1.45	1.61	1.91
11.967	2.62	3.29	3.70	3.97	4.16
12.133	4.08	3.44	2.85	2.53	2.26
12.300	2.07	1.94	1.74	1.58	1.46
12.467	1.26	1.09	0.99	0.86	0.76
12.633	0.71	0.67	0.65	0.63	0.61
12.800	0.59	0.58	0.56	0.54	0.53
12.967	0.50	0.49	0.47	0.46	0.45
13.133	0.44	0.43	0.43	0.43	0.42
13.300	0.42	0.41	0.41	0.40	0.40
13.467	0.39	0.39	0.38	0.38	0.37
13.633	0.37	0.37	0.36	0.36	0.35
13.800	0.35	0.34	0.34	0.33	0.33

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.967	0.32	0.32	0.32	0.31	0.31
14.133	0.30	0.30	0.30	0.30	0.30
14.300	0.29	0.29	0.29	0.29	0.28
14.467	0.28	0.28	0.28	0.28	0.27
14.633	0.27	0.27	0.27	0.26	0.26
14.800	0.26	0.26	0.25	0.25	0.25
14.967	0.25	0.25	0.24	0.24	0.24
15.133	0.24	0.23	0.23	0.23	0.23
15.300	0.22	0.22	0.22	0.22	0.22
15.467	0.21	0.21	0.21	0.21	0.20
15.633	0.20	0.20	0.20	0.19	0.19
15.800	0.19	0.19	0.18	0.18	0.18
15.967	0.18	0.17	0.17	0.17	0.17
16.133	0.17	0.17	0.16	0.16	0.16
16.300	0.16	0.16	0.16	0.16	0.16
16.467	0.16	0.16	0.15	0.15	0.15
16.633	0.15	0.15	0.15	0.15	0.15
16.800	0.15	0.15	0.14	0.14	0.14
16.967	0.14	0.14	0.14	0.14	0.14
17.133	0.14	0.13	0.13	0.13	0.13
17.300	0.13	0.13	0.13	0.13	0.13
17.467	0.12	0.12	0.12	0.12	0.12
17.633	0.12	0.12	0.12	0.12	0.12
17.800	0.11	0.11	0.11	0.11	0.11
17.967	0.11	0.11	0.11	0.11	0.11
18.133	0.10	0.10	0.10	0.10	0.10
18.300	0.10	0.10	0.10	0.10	0.10
18.467	0.10	0.10	0.10	0.10	0.10
18.633	0.10	0.10	0.10	0.10	0.10
18.800	0.10	0.10	0.10	0.10	0.10
18.967	0.10	0.10	0.10	0.10	0.10
19.133	0.10	0.10	0.09	0.09	0.09
19.300	0.09	0.09	0.09	0.09	0.09
19.467	0.09	0.09	0.09	0.09	0.09
19.633	0.09	0.09	0.09	0.09	0.09
19.800	0.09	0.09	0.09	0.09	0.09
19.967	0.09	0.09	0.09	0.09	0.09
20.133	0.09	0.09	0.09	0.09	0.09
20.300	0.08	0.08	0.08	0.08	0.08
20.467	0.08	0.08	0.08	0.08	0.08
20.633	0.08	0.08	0.08	0.08	0.08
20.800	0.08	0.08	0.08	0.08	0.08

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.967	0.08	0.08	0.08	0.08	0.08
21.133	0.08	0.08	0.08	0.08	0.08
21.300	0.08	0.08	0.08	0.08	0.08
21.467	0.08	0.08	0.08	0.08	0.08
21.633	0.08	0.07	0.07	0.07	0.07
21.800	0.07	0.07	0.07	0.07	0.07
21.967	0.07	0.07	0.07	0.07	0.07
22.133	0.07	0.07	0.07	0.07	0.07
22.300	0.07	0.07	0.07	0.07	0.07
22.467	0.07	0.07	0.07	0.07	0.07
22.633	0.07	0.07	0.07	0.07	0.07
22.800	0.07	0.07	0.07	0.07	0.07
22.967	0.07	0.07	0.07	0.06	0.06
23.133	0.06	0.06	0.06	0.06	0.06
23.300	0.06	0.06	0.06	0.06	0.06
23.467	0.06	0.06	0.06	0.06	0.06
23.633	0.06	0.06	0.06	0.06	0.06
23.800	0.06	0.06	0.06	0.06	0.06
23.967	0.06	0.06	0.05	0.03	0.01
24.133	0.01	0.00	0.00	0.00	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	5.22 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	5.19 ft ³ /s
Drainage Area	
SCS CN (Composite)	72.000
Area (User Defined)	1.361 acres
Maximum Retention (Pervious)	3.9 in
Maximum Retention (Pervious, 20 percent)	0.8 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.7 in
Runoff Volume (Pervious)	0.425 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.425 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.42 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.067	0.00	0.00	0.00	0.00	0.00
8.233	0.01	0.01	0.01	0.01	0.01
8.400	0.01	0.01	0.01	0.01	0.01
8.567	0.02	0.02	0.02	0.02	0.02
8.733	0.02	0.02	0.03	0.03	0.03
8.900	0.03	0.03	0.03	0.03	0.04
9.067	0.04	0.04	0.04	0.04	0.04
9.233	0.05	0.05	0.05	0.05	0.05
9.400	0.06	0.06	0.06	0.06	0.06
9.567	0.07	0.07	0.07	0.07	0.08
9.733	0.08	0.08	0.08	0.09	0.09
9.900	0.09	0.09	0.10	0.10	0.10
10.067	0.10	0.11	0.11	0.11	0.12
10.233	0.12	0.13	0.13	0.13	0.14
10.400	0.14	0.15	0.15	0.16	0.16
10.567	0.16	0.17	0.17	0.18	0.18
10.733	0.19	0.19	0.20	0.20	0.21
10.900	0.21	0.22	0.23	0.23	0.24
11.067	0.25	0.26	0.27	0.28	0.30
11.233	0.31	0.33	0.34	0.36	0.37
11.400	0.39	0.41	0.43	0.45	0.48
11.567	0.56	0.63	0.71	0.87	1.01
11.733	1.14	1.33	1.50	1.65	1.88
11.900	2.09	2.46	3.35	4.18	4.67
12.067	4.98	5.19	5.07	4.27	3.52
12.233	3.12	2.78	2.55	2.38	2.14
12.400	1.94	1.78	1.54	1.33	1.20
12.567	1.05	0.93	0.86	0.82	0.79
12.733	0.77	0.74	0.72	0.70	0.68
12.900	0.65	0.64	0.61	0.59	0.58
13.067	0.56	0.54	0.53	0.53	0.52
13.233	0.52	0.51	0.50	0.50	0.49

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.400	0.49	0.48	0.48	0.47	0.47
13.567	0.46	0.45	0.45	0.44	0.44
13.733	0.43	0.43	0.42	0.42	0.41
13.900	0.40	0.40	0.39	0.38	0.38
14.067	0.38	0.37	0.37	0.36	0.36
14.233	0.36	0.36	0.35	0.35	0.35
14.400	0.35	0.34	0.34	0.34	0.33
14.567	0.33	0.33	0.33	0.32	0.32
14.733	0.32	0.32	0.31	0.31	0.31
14.900	0.30	0.30	0.30	0.30	0.29
15.067	0.29	0.29	0.28	0.28	0.28
15.233	0.28	0.27	0.27	0.27	0.26
15.400	0.26	0.26	0.26	0.25	0.25
15.567	0.25	0.24	0.24	0.24	0.24
15.733	0.23	0.23	0.23	0.22	0.22
15.900	0.22	0.22	0.21	0.21	0.21
16.067	0.20	0.20	0.20	0.20	0.20
16.233	0.20	0.20	0.19	0.19	0.19
16.400	0.19	0.19	0.19	0.19	0.19
16.567	0.18	0.18	0.18	0.18	0.18
16.733	0.18	0.18	0.18	0.17	0.17
16.900	0.17	0.17	0.17	0.17	0.17
17.067	0.17	0.16	0.16	0.16	0.16
17.233	0.16	0.16	0.16	0.16	0.15
17.400	0.15	0.15	0.15	0.15	0.15
17.567	0.15	0.14	0.14	0.14	0.14
17.733	0.14	0.14	0.14	0.14	0.13
17.900	0.13	0.13	0.13	0.13	0.13
18.067	0.13	0.13	0.13	0.13	0.12
18.233	0.12	0.12	0.12	0.12	0.12
18.400	0.12	0.12	0.12	0.12	0.12
18.567	0.12	0.12	0.12	0.12	0.12
18.733	0.12	0.12	0.12	0.12	0.12
18.900	0.12	0.12	0.12	0.12	0.12
19.067	0.12	0.11	0.11	0.11	0.11
19.233	0.11	0.11	0.11	0.11	0.11
19.400	0.11	0.11	0.11	0.11	0.11
19.567	0.11	0.11	0.11	0.11	0.11
19.733	0.11	0.11	0.11	0.11	0.11
19.900	0.11	0.11	0.10	0.10	0.10
20.067	0.10	0.10	0.10	0.10	0.10
20.233	0.10	0.10	0.10	0.10	0.10

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.400	0.10	0.10	0.10	0.10	0.10
20.567	0.10	0.10	0.10	0.10	0.10
20.733	0.10	0.10	0.10	0.10	0.10
20.900	0.10	0.10	0.10	0.10	0.10
21.067	0.10	0.09	0.09	0.09	0.09
21.233	0.09	0.09	0.09	0.09	0.09
21.400	0.09	0.09	0.09	0.09	0.09
21.567	0.09	0.09	0.09	0.09	0.09
21.733	0.09	0.09	0.09	0.09	0.09
21.900	0.09	0.09	0.09	0.09	0.09
22.067	0.09	0.09	0.09	0.09	0.09
22.233	0.08	0.08	0.08	0.08	0.08
22.400	0.08	0.08	0.08	0.08	0.08
22.567	0.08	0.08	0.08	0.08	0.08
22.733	0.08	0.08	0.08	0.08	0.08
22.900	0.08	0.08	0.08	0.08	0.08
23.067	0.08	0.08	0.08	0.08	0.08
23.233	0.08	0.08	0.08	0.07	0.07
23.400	0.07	0.07	0.07	0.07	0.07
23.567	0.07	0.07	0.07	0.07	0.07
23.733	0.07	0.07	0.07	0.07	0.07
23.900	0.07	0.07	0.07	0.07	0.06
24.067	0.04	0.02	0.01	0.00	0.00
24.233	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	6.52 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	6.49 ft ³ /s
Drainage Area	
SCS CN (Composite)	72.000
Area (User Defined)	1.361 acres
Maximum Retention (Pervious)	3.9 in
Maximum Retention (Pervious, 20 percent)	0.8 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.7 in
Runoff Volume (Pervious)	0.533 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.533 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.42 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Pre-Developed

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.400	0.00	0.00	0.00	0.00	0.00
7.567	0.00	0.01	0.01	0.01	0.01
7.733	0.01	0.01	0.01	0.01	0.01
7.900	0.01	0.01	0.02	0.02	0.02
8.067	0.02	0.02	0.02	0.02	0.02
8.233	0.02	0.03	0.03	0.03	0.03
8.400	0.03	0.03	0.04	0.04	0.04
8.567	0.04	0.04	0.04	0.05	0.05
8.733	0.05	0.05	0.05	0.06	0.06
8.900	0.06	0.06	0.06	0.07	0.07
9.067	0.07	0.07	0.08	0.08	0.08
9.233	0.08	0.09	0.09	0.09	0.09
9.400	0.10	0.10	0.10	0.10	0.11
9.567	0.11	0.11	0.11	0.12	0.12
9.733	0.12	0.13	0.13	0.13	0.14
9.900	0.14	0.14	0.15	0.15	0.15
10.067	0.16	0.16	0.17	0.17	0.18
10.233	0.18	0.19	0.19	0.20	0.20
10.400	0.21	0.21	0.22	0.22	0.23
10.567	0.24	0.24	0.25	0.25	0.26
10.733	0.27	0.27	0.28	0.29	0.29
10.900	0.30	0.31	0.31	0.32	0.33
11.067	0.34	0.35	0.37	0.39	0.41
11.233	0.42	0.45	0.47	0.48	0.51
11.400	0.53	0.55	0.57	0.60	0.64
11.567	0.74	0.84	0.94	1.15	1.33
11.733	1.49	1.74	1.96	2.15	2.43
11.900	2.69	3.15	4.26	5.30	5.89
12.067	6.25	6.49	6.31	5.30	4.36
12.233	3.85	3.42	3.13	2.92	2.62
12.400	2.38	2.18	1.88	1.63	1.47
12.567	1.28	1.13	1.05	1.00	0.96

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.733	0.94	0.90	0.88	0.86	0.82
12.900	0.80	0.78	0.74	0.72	0.70
13.067	0.68	0.66	0.65	0.64	0.63
13.233	0.63	0.62	0.61	0.61	0.60
13.400	0.59	0.59	0.58	0.57	0.57
13.567	0.56	0.55	0.54	0.54	0.53
13.733	0.52	0.52	0.51	0.50	0.49
13.900	0.49	0.48	0.47	0.47	0.46
14.067	0.45	0.45	0.45	0.44	0.44
14.233	0.44	0.43	0.43	0.42	0.42
14.400	0.42	0.42	0.41	0.41	0.40
14.567	0.40	0.40	0.40	0.39	0.39
14.733	0.38	0.38	0.38	0.37	0.37
14.900	0.37	0.36	0.36	0.36	0.35
15.067	0.35	0.35	0.34	0.34	0.34
15.233	0.33	0.33	0.33	0.32	0.32
15.400	0.32	0.31	0.31	0.30	0.30
15.567	0.30	0.29	0.29	0.29	0.28
15.733	0.28	0.28	0.27	0.27	0.27
15.900	0.26	0.26	0.26	0.25	0.25
16.067	0.25	0.24	0.24	0.24	0.24
16.233	0.24	0.24	0.23	0.23	0.23
16.400	0.23	0.23	0.23	0.23	0.22
16.567	0.22	0.22	0.22	0.22	0.22
16.733	0.21	0.21	0.21	0.21	0.21
16.900	0.21	0.21	0.20	0.20	0.20
17.067	0.20	0.20	0.20	0.19	0.19
17.233	0.19	0.19	0.19	0.19	0.18
17.400	0.18	0.18	0.18	0.18	0.18
17.567	0.18	0.17	0.17	0.17	0.17
17.733	0.17	0.17	0.16	0.16	0.16
17.900	0.16	0.16	0.16	0.16	0.15
18.067	0.15	0.15	0.15	0.15	0.15
18.233	0.15	0.15	0.15	0.15	0.15
18.400	0.15	0.15	0.15	0.15	0.15
18.567	0.15	0.14	0.14	0.14	0.14
18.733	0.14	0.14	0.14	0.14	0.14
18.900	0.14	0.14	0.14	0.14	0.14
19.067	0.14	0.14	0.14	0.14	0.14
19.233	0.14	0.14	0.13	0.13	0.13
19.400	0.13	0.13	0.13	0.13	0.13
19.567	0.13	0.13	0.13	0.13	0.13

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.733	0.13	0.13	0.13	0.13	0.13
19.900	0.13	0.13	0.13	0.13	0.12
20.067	0.12	0.12	0.12	0.12	0.12
20.233	0.12	0.12	0.12	0.12	0.12
20.400	0.12	0.12	0.12	0.12	0.12
20.567	0.12	0.12	0.12	0.12	0.12
20.733	0.12	0.12	0.12	0.12	0.12
20.900	0.12	0.12	0.11	0.11	0.11
21.067	0.11	0.11	0.11	0.11	0.11
21.233	0.11	0.11	0.11	0.11	0.11
21.400	0.11	0.11	0.11	0.11	0.11
21.567	0.11	0.11	0.11	0.11	0.11
21.733	0.11	0.11	0.11	0.11	0.11
21.900	0.11	0.10	0.10	0.10	0.10
22.067	0.10	0.10	0.10	0.10	0.10
22.233	0.10	0.10	0.10	0.10	0.10
22.400	0.10	0.10	0.10	0.10	0.10
22.567	0.10	0.10	0.10	0.10	0.10
22.733	0.10	0.10	0.10	0.10	0.09
22.900	0.09	0.09	0.09	0.09	0.09
23.067	0.09	0.09	0.09	0.09	0.09
23.233	0.09	0.09	0.09	0.09	0.09
23.400	0.09	0.09	0.09	0.09	0.09
23.567	0.09	0.09	0.09	0.09	0.09
23.733	0.09	0.09	0.09	0.08	0.08
23.900	0.08	0.08	0.08	0.08	0.07
24.067	0.05	0.02	0.01	0.00	0.00
24.233	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 100 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	6.99 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	6.96 ft ³ /s
Drainage Area	
SCS CN (Composite)	72.000
Area (User Defined)	1.361 acres
Maximum Retention (Pervious)	3.9 in
Maximum Retention (Pervious, 20 percent)	0.8 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	5.0 in
Runoff Volume (Pervious)	0.573 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.573 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Pre-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 100 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.42 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.361 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.200	0.00	0.00	0.00	0.00	0.00
7.367	0.00	0.01	0.01	0.01	0.01
7.533	0.01	0.01	0.01	0.01	0.01
7.700	0.01	0.01	0.02	0.02	0.02
7.867	0.02	0.02	0.02	0.02	0.02
8.033	0.02	0.03	0.03	0.03	0.03
8.200	0.03	0.03	0.03	0.04	0.04
8.367	0.04	0.04	0.04	0.04	0.05
8.533	0.05	0.05	0.05	0.05	0.06
8.700	0.06	0.06	0.06	0.06	0.07
8.867	0.07	0.07	0.07	0.08	0.08
9.033	0.08	0.08	0.09	0.09	0.09
9.200	0.09	0.10	0.10	0.10	0.10
9.367	0.11	0.11	0.11	0.12	0.12
9.533	0.12	0.13	0.13	0.13	0.14
9.700	0.14	0.14	0.15	0.15	0.15
9.867	0.16	0.16	0.16	0.17	0.17
10.033	0.17	0.18	0.18	0.19	0.19
10.200	0.20	0.20	0.21	0.21	0.22
10.367	0.23	0.23	0.24	0.24	0.25
10.533	0.26	0.26	0.27	0.28	0.28
10.700	0.29	0.30	0.30	0.31	0.32
10.867	0.33	0.33	0.34	0.35	0.36
11.033	0.36	0.38	0.39	0.41	0.43
11.200	0.45	0.47	0.49	0.51	0.53
11.367	0.56	0.58	0.60	0.63	0.66
11.533	0.70	0.81	0.91	1.03	1.25
11.700	1.45	1.63	1.89	2.13	2.33
11.867	2.63	2.91	3.41	4.60	5.71
12.033	6.34	6.72	6.96	6.76	5.68
12.200	4.67	4.12	3.66	3.34	3.12
12.367	2.80	2.54	2.33	2.01	1.74

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.533	1.57	1.36	1.21	1.12	1.06
12.700	1.02	1.00	0.96	0.93	0.91
12.867	0.88	0.85	0.83	0.79	0.76
13.033	0.75	0.72	0.70	0.69	0.68
13.200	0.67	0.67	0.66	0.65	0.64
13.367	0.64	0.63	0.62	0.61	0.61
13.533	0.60	0.59	0.59	0.58	0.57
13.700	0.56	0.56	0.55	0.54	0.53
13.867	0.53	0.52	0.51	0.50	0.50
14.033	0.49	0.48	0.48	0.47	0.47
14.200	0.47	0.46	0.46	0.45	0.45
14.367	0.45	0.44	0.44	0.44	0.43
14.533	0.43	0.43	0.42	0.42	0.42
14.700	0.41	0.41	0.40	0.40	0.40
14.867	0.39	0.39	0.39	0.38	0.38
15.033	0.38	0.37	0.37	0.37	0.36
15.200	0.36	0.35	0.35	0.35	0.34
15.367	0.34	0.34	0.33	0.33	0.32
15.533	0.32	0.32	0.31	0.31	0.31
15.700	0.30	0.30	0.29	0.29	0.29
15.867	0.28	0.28	0.28	0.27	0.27
16.033	0.27	0.26	0.26	0.26	0.25
16.200	0.25	0.25	0.25	0.25	0.25
16.367	0.25	0.24	0.24	0.24	0.24
16.533	0.24	0.24	0.23	0.23	0.23
16.700	0.23	0.23	0.23	0.22	0.22
16.867	0.22	0.22	0.22	0.22	0.21
17.033	0.21	0.21	0.21	0.21	0.21
17.200	0.20	0.20	0.20	0.20	0.20
17.367	0.20	0.19	0.19	0.19	0.19
17.533	0.19	0.19	0.18	0.18	0.18
17.700	0.18	0.18	0.18	0.17	0.17
17.867	0.17	0.17	0.17	0.17	0.16
18.033	0.16	0.16	0.16	0.16	0.16
18.200	0.16	0.16	0.16	0.16	0.16
18.367	0.16	0.16	0.16	0.16	0.15
18.533	0.15	0.15	0.15	0.15	0.15
18.700	0.15	0.15	0.15	0.15	0.15
18.867	0.15	0.15	0.15	0.15	0.15
19.033	0.15	0.15	0.15	0.15	0.15
19.200	0.14	0.14	0.14	0.14	0.14
19.367	0.14	0.14	0.14	0.14	0.14

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Pre-Developed

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.533	0.14	0.14	0.14	0.14	0.14
19.700	0.14	0.14	0.14	0.14	0.14
19.867	0.13	0.13	0.13	0.13	0.13
20.033	0.13	0.13	0.13	0.13	0.13
20.200	0.13	0.13	0.13	0.13	0.13
20.367	0.13	0.13	0.13	0.13	0.13
20.533	0.13	0.13	0.13	0.13	0.12
20.700	0.12	0.12	0.12	0.12	0.12
20.867	0.12	0.12	0.12	0.12	0.12
21.033	0.12	0.12	0.12	0.12	0.12
21.200	0.12	0.12	0.12	0.12	0.12
21.367	0.12	0.12	0.12	0.12	0.12
21.533	0.12	0.11	0.11	0.11	0.11
21.700	0.11	0.11	0.11	0.11	0.11
21.867	0.11	0.11	0.11	0.11	0.11
22.033	0.11	0.11	0.11	0.11	0.11
22.200	0.11	0.11	0.11	0.11	0.11
22.367	0.11	0.11	0.11	0.11	0.10
22.533	0.10	0.10	0.10	0.10	0.10
22.700	0.10	0.10	0.10	0.10	0.10
22.867	0.10	0.10	0.10	0.10	0.10
23.033	0.10	0.10	0.10	0.10	0.10
23.200	0.10	0.10	0.10	0.10	0.10
23.367	0.09	0.09	0.09	0.09	0.09
23.533	0.09	0.09	0.09	0.09	0.09
23.700	0.09	0.09	0.09	0.09	0.09
23.867	0.09	0.09	0.09	0.09	0.09
24.033	0.08	0.05	0.02	0.01	0.00
24.200	0.00	0.00	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Addition Summary

Label: Point of Interest

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Summary for Hydrograph Addition at 'Point of Interest'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Pre-Developed

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.020	12.133	0.23
Flow (From)	Pre-Developed	0.190	12.100	2.30
Flow (In)	Point of Interest	0.210	12.100	2.53

Pre-Development Conditions

Subsection: Addition Summary

Label: Point of Interest

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Summary for Hydrograph Addition at 'Point of Interest'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Pre-Developed

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.037	12.100	0.45
Flow (From)	Pre-Developed	0.340	12.100	4.16
Flow (In)	Point of Interest	0.377	12.100	4.61

Pre-Development Conditions

Subsection: Addition Summary

Label: Point of Interest

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Summary for Hydrograph Addition at 'Point of Interest'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Pre-Developed

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.047	12.100	0.57
Flow (From)	Pre-Developed	0.425	12.100	5.19
Flow (In)	Point of Interest	0.472	12.100	5.77

Pre-Development Conditions

Subsection: Addition Summary

Label: Point of Interest

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Summary for Hydrograph Addition at 'Point of Interest'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Pre-Developed

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.060	12.100	0.73
Flow (From)	Pre-Developed	0.533	12.100	6.49
Flow (In)	Point of Interest	0.593	12.100	7.22

Pre-Development Conditions

Subsection: Addition Summary

Label: Point of Interest

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Summary for Hydrograph Addition at 'Point of Interest'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Pre-Developed

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.065	12.100	0.79
Flow (From)	Pre-Developed	0.573	12.100	6.96
Flow (In)	Point of Interest	0.637	12.100	7.75

Pre-Development Conditions

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**APPENDIX F:
RUNOFF & STORAGE CALCULATIONS
POST-DEVELOPED CONDITIONS**

Post-Development Conditions

Project Summary

Title	Good Day Farm - Bryant
Engineer	Ty Gramling
Company	Stock & Associates
Date	6/25/2025

Notes	Post-Development Conditions
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Post-Development Conditions

Subsection: User Notifications

User Notifications

Message Id	20
Scenario	Bryant, AR - Synthetic Curve, 100 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Relaxed headwater convergence for conditions below. Headwater Elevation= 403.59 ft. Tailwater elevation= Free Outfall. Flow= 7.96 ft ³ /s. HW +/- Convergence 0.02 ft TW +/- Convergence 0.13 ft
Source	Warning
Message Id	19
Scenario	Bryant, AR - Synthetic Curve, 100 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Charged riser flow adjusted to weir flow rate to maintain convergence. If adjustments are desired, substitute a user defined outlet rating table for level pool routing. Or, store rating curve(s) in E-Q-TW table, edit, then route with ICPM option.
Source	Warning
Message Id	7
Scenario	Bryant, AR - Synthetic Curve, 2 yrs
Element Type	Catchment
Element Id	79
Label	Offsite
Time	(N/A)
Message	The difference between calculated peak flow and interpolated peak flow 1.6 % is greater than 1.5 %. Computed peak flow= 0.24 ft ³ /s Interp. peak flow= 0.24 ft ³ /s. Output increment for this catchment may be too large.
Source	Warning
Message Id	20
Scenario	Bryant, AR - Synthetic Curve, 2 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Relaxed headwater convergence for conditions below. Headwater Elevation= 403.59 ft. Tailwater elevation= Free Outfall. Flow= 7.96 ft ³ /s. HW +/- Convergence 0.02 ft TW +/- Convergence 0.13 ft
Source	Warning

Post-Development Conditions

Subsection: User Notifications

User Notifications

Message Id	19
Scenario	Bryant, AR - Synthetic Curve, 2 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Charged riser flow adjusted to weir flow rate to maintain convergence. If adjustments are desired, substitute a user defined outlet rating table for level pool routing. Or, store rating curve(s) in E-Q-TW table, edit, then route with ICPM option.
Source	Warning
Message Id	20
Scenario	Bryant, AR - Synthetic Curve, 10 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Relaxed headwater convergence for conditions below. Headwater Elevation= 403.59 ft. Tailwater elevation= Free Outfall. Flow= 7.96 ft ³ /s. HW +/- Convergence 0.02 ft TW +/- Convergence 0.13 ft
Source	Warning
Message Id	19
Scenario	Bryant, AR - Synthetic Curve, 10 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Charged riser flow adjusted to weir flow rate to maintain convergence. If adjustments are desired, substitute a user defined outlet rating table for level pool routing. Or, store rating curve(s) in E-Q-TW table, edit, then route with ICPM option.
Source	Warning
Message Id	20
Scenario	Bryant, AR - Synthetic Curve, 25 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Relaxed headwater convergence for conditions below. Headwater Elevation= 403.59 ft. Tailwater elevation= Free Outfall. Flow= 7.96 ft ³ /s. HW +/- Convergence 0.02 ft TW +/- Convergence 0.13 ft
Source	Warning

Post-Development Conditions

Subsection: User Notifications

User Notifications

Message Id	19
Scenario	Bryant, AR - Synthetic Curve, 25 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Charged riser flow adjusted to weir flow rate to maintain convergence. If adjustments are desired, substitute a user defined outlet rating table for level pool routing. Or, store rating curve(s) in E-Q-TW table, edit, then route with ICPM option.
Source	Warning
Message Id	20
Scenario	Bryant, AR - Synthetic Curve, 50 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Relaxed headwater convergence for conditions below. Headwater Elevation= 403.59 ft. Tailwater elevation= Free Outfall. Flow= 7.96 ft ³ /s. HW +/- Convergence 0.02 ft TW +/- Convergence 0.13 ft
Source	Warning
Message Id	19
Scenario	Bryant, AR - Synthetic Curve, 50 yrs
Element Type	Composite Outlet Structure
Element Id	42
Label	Outfall Structure
Time	(N/A)
Message	Charged riser flow adjusted to weir flow rate to maintain convergence. If adjustments are desired, substitute a user defined outlet rating table for level pool routing. Or, store rating curve(s) in E-Q-TW table, edit, then route with ICPM option.
Source	Warning

Post-Development Conditions

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Site	Bryant, AR - Synthetic Curve, 2 yrs	2	0.241	12.100	2.95
Site	Bryant, AR - Synthetic Curve, 10 yrs	10	0.409	12.100	4.98
Site	Bryant, AR - Synthetic Curve, 25 yrs	25	0.502	12.100	6.09
Site	Bryant, AR - Synthetic Curve, 50 yrs	50	0.620	12.100	7.46
Site	Bryant, AR - Synthetic Curve, 100 yrs	100	0.663	12.100	7.96
Offsite	Bryant, AR - Synthetic Curve, 2 yrs	2	0.020	12.133	0.24
Offsite	Bryant, AR - Synthetic Curve, 10 yrs	10	0.037	12.100	0.45
Offsite	Bryant, AR - Synthetic Curve, 25 yrs	25	0.047	12.100	0.58
Offsite	Bryant, AR - Synthetic Curve, 50 yrs	50	0.060	12.100	0.73
Offsite	Bryant, AR - Synthetic Curve, 100 yrs	100	0.065	12.100	0.79

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
POI	Bryant, AR - Synthetic Curve, 2 yrs	2	0.261	12.267	1.81
POI	Bryant, AR - Synthetic Curve, 10 yrs	10	0.446	12.200	3.73
POI	Bryant, AR - Synthetic Curve, 25 yrs	25	0.550	12.167	5.83

Post-Development Conditions

Subsection: Master Network Summary

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
POI	Bryant, AR - Synthetic Curve, 50 yrs	50	0.680	12.167	6.44
POI	Bryant, AR - Synthetic Curve, 100 yrs	100	0.728	12.167	6.92

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
Detention Pond (IN)	Bryant, AR - Synthetic Curve, 2 yrs	2	0.261	12.100	3.18	(N/A)	(N/A)
Detention Pond (OUT)	Bryant, AR - Synthetic Curve, 2 yrs	2	0.261	12.267	1.81	406.46	0.044
Detention Pond (IN)	Bryant, AR - Synthetic Curve, 10 yrs	10	0.446	12.100	5.43	(N/A)	(N/A)
Detention Pond (OUT)	Bryant, AR - Synthetic Curve, 10 yrs	10	0.446	12.200	3.73	407.31	0.080
Detention Pond (IN)	Bryant, AR - Synthetic Curve, 25 yrs	25	0.550	12.100	6.67	(N/A)	(N/A)
Detention Pond (OUT)	Bryant, AR - Synthetic Curve, 25 yrs	25	0.550	12.167	5.83	407.44	0.086
Detention Pond (IN)	Bryant, AR - Synthetic Curve, 50 yrs	50	0.680	12.100	8.19	(N/A)	(N/A)
Detention Pond (OUT)	Bryant, AR - Synthetic Curve, 50 yrs	50	0.680	12.167	6.44	407.72	0.101
Detention Pond (IN)	Bryant, AR - Synthetic Curve, 100 yrs	100	0.728	12.100	8.75	(N/A)	(N/A)
Detention Pond (OUT)	Bryant, AR - Synthetic Curve, 100 yrs	100	0.728	12.167	6.92	407.82	0.106

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 2 years

Label: Bryant Arkansas

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time-Depth Curve: TypeIII 24hr (4.3 in)

Label	TypeIII 24hr (4.3 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	2 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.0	0.0
1.000	0.0	0.0	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.1	0.1	0.1	0.1	0.1
3.000	0.1	0.1	0.1	0.1	0.2
3.500	0.2	0.2	0.2	0.2	0.2
4.000	0.2	0.2	0.2	0.2	0.2
4.500	0.2	0.2	0.2	0.2	0.2
5.000	0.2	0.3	0.3	0.3	0.3
5.500	0.3	0.3	0.3	0.3	0.3
6.000	0.3	0.3	0.3	0.3	0.3
6.500	0.3	0.4	0.4	0.4	0.4
7.000	0.4	0.4	0.4	0.4	0.4
7.500	0.4	0.4	0.5	0.5	0.5
8.000	0.5	0.5	0.5	0.5	0.5
8.500	0.6	0.6	0.6	0.6	0.6
9.000	0.6	0.6	0.7	0.7	0.7
9.500	0.7	0.7	0.8	0.8	0.8
10.000	0.8	0.8	0.9	0.9	0.9
10.500	0.9	1.0	1.0	1.0	1.0
11.000	1.1	1.1	1.1	1.2	1.2
11.500	1.3	1.4	1.5	1.6	1.8
12.000	2.1	2.5	2.7	2.8	2.9
12.500	3.0	3.1	3.1	3.2	3.2
13.000	3.2	3.3	3.3	3.3	3.3
13.500	3.4	3.4	3.4	3.4	3.5
14.000	3.5	3.5	3.5	3.5	3.6
14.500	3.6	3.6	3.6	3.6	3.7
15.000	3.7	3.7	3.7	3.7	3.7
15.500	3.7	3.8	3.8	3.8	3.8
16.000	3.8	3.8	3.8	3.8	3.9

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	3.9	3.9	3.9	3.9	3.9
17.000	3.9	3.9	3.9	3.9	3.9
17.500	4.0	4.0	4.0	4.0	4.0
18.000	4.0	4.0	4.0	4.0	4.0
18.500	4.0	4.0	4.0	4.0	4.0
19.000	4.1	4.1	4.1	4.1	4.1
19.500	4.1	4.1	4.1	4.1	4.1
20.000	4.1	4.1	4.1	4.1	4.1
20.500	4.1	4.1	4.2	4.2	4.2
21.000	4.2	4.2	4.2	4.2	4.2
21.500	4.2	4.2	4.2	4.2	4.2
22.000	4.2	4.2	4.2	4.2	4.2
22.500	4.2	4.2	4.2	4.3	4.3
23.000	4.3	4.3	4.3	4.3	4.3
23.500	4.3	4.3	4.3	4.3	4.3
24.000	4.3	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Time-Depth Curve: TypeIII 24hr (6.0 in)

Label	TypeIII 24hr (6.0 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	10 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.0	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.2	0.2	0.2	0.2
3.500	0.2	0.2	0.2	0.2	0.3
4.000	0.3	0.3	0.3	0.3	0.3
4.500	0.3	0.3	0.3	0.3	0.3
5.000	0.3	0.3	0.4	0.4	0.4
5.500	0.4	0.4	0.4	0.4	0.4
6.000	0.4	0.4	0.5	0.5	0.5
6.500	0.5	0.5	0.5	0.5	0.5
7.000	0.5	0.6	0.6	0.6	0.6
7.500	0.6	0.6	0.6	0.7	0.7
8.000	0.7	0.7	0.7	0.7	0.8
8.500	0.8	0.8	0.8	0.8	0.9
9.000	0.9	0.9	0.9	0.9	1.0
9.500	1.0	1.0	1.0	1.1	1.1
10.000	1.1	1.2	1.2	1.2	1.3
10.500	1.3	1.3	1.4	1.4	1.5
11.000	1.5	1.5	1.6	1.7	1.7
11.500	1.8	1.9	2.0	2.2	2.5
12.000	3.0	3.5	3.8	4.0	4.1
12.500	4.2	4.3	4.3	4.4	4.5
13.000	4.5	4.5	4.6	4.6	4.7
13.500	4.7	4.7	4.8	4.8	4.8
14.000	4.9	4.9	4.9	5.0	5.0
14.500	5.0	5.0	5.1	5.1	5.1
15.000	5.1	5.1	5.2	5.2	5.2
15.500	5.2	5.2	5.3	5.3	5.3
16.000	5.3	5.3	5.3	5.4	5.4

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	5.4	5.4	5.4	5.4	5.4
17.000	5.5	5.5	5.5	5.5	5.5
17.500	5.5	5.5	5.5	5.5	5.6
18.000	5.6	5.6	5.6	5.6	5.6
18.500	5.6	5.6	5.6	5.6	5.7
19.000	5.7	5.7	5.7	5.7	5.7
19.500	5.7	5.7	5.7	5.7	5.7
20.000	5.7	5.7	5.8	5.8	5.8
20.500	5.8	5.8	5.8	5.8	5.8
21.000	5.8	5.8	5.8	5.8	5.8
21.500	5.9	5.9	5.9	5.9	5.9
22.000	5.9	5.9	5.9	5.9	5.9
22.500	5.9	5.9	5.9	5.9	5.9
23.000	5.9	6.0	6.0	6.0	6.0
23.500	6.0	6.0	6.0	6.0	6.0
24.000	6.0	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Time-Depth Curve: TypeIII 24hr (6.9 in)

Label	TypeIII 24hr (6.9 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	25 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.2	0.2	0.2	0.2
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.3	0.3	0.3	0.3
4.500	0.3	0.4	0.4	0.4	0.4
5.000	0.4	0.4	0.4	0.4	0.4
5.500	0.4	0.5	0.5	0.5	0.5
6.000	0.5	0.5	0.5	0.5	0.5
6.500	0.6	0.6	0.6	0.6	0.6
7.000	0.6	0.6	0.7	0.7	0.7
7.500	0.7	0.7	0.7	0.8	0.8
8.000	0.8	0.8	0.8	0.8	0.9
8.500	0.9	0.9	0.9	1.0	1.0
9.000	1.0	1.0	1.1	1.1	1.1
9.500	1.1	1.2	1.2	1.2	1.3
10.000	1.3	1.3	1.4	1.4	1.5
10.500	1.5	1.5	1.6	1.6	1.7
11.000	1.7	1.8	1.8	1.9	2.0
11.500	2.1	2.2	2.3	2.6	2.9
12.000	3.4	4.0	4.3	4.6	4.7
12.500	4.8	4.9	5.0	5.1	5.1
13.000	5.2	5.2	5.3	5.3	5.4
13.500	5.4	5.4	5.5	5.5	5.6
14.000	5.6	5.6	5.7	5.7	5.7
14.500	5.8	5.8	5.8	5.8	5.9
15.000	5.9	5.9	5.9	6.0	6.0
15.500	6.0	6.0	6.1	6.1	6.1
16.000	6.1	6.1	6.1	6.2	6.2

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	6.2	6.2	6.2	6.2	6.3
17.000	6.3	6.3	6.3	6.3	6.3
17.500	6.3	6.4	6.4	6.4	6.4
18.000	6.4	6.4	6.4	6.4	6.4
18.500	6.5	6.5	6.5	6.5	6.5
19.000	6.5	6.5	6.5	6.5	6.5
19.500	6.6	6.6	6.6	6.6	6.6
20.000	6.6	6.6	6.6	6.6	6.6
20.500	6.6	6.7	6.7	6.7	6.7
21.000	6.7	6.7	6.7	6.7	6.7
21.500	6.7	6.7	6.7	6.8	6.8
22.000	6.8	6.8	6.8	6.8	6.8
22.500	6.8	6.8	6.8	6.8	6.8
23.000	6.8	6.8	6.9	6.9	6.9
23.500	6.9	6.9	6.9	6.9	6.9
24.000	6.9	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Time-Depth Curve: TypeIII 24hr (8.0 in)

Label	TypeIII 24hr (8.0 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	50 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.1	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.4	0.4	0.4	0.4
4.500	0.4	0.4	0.4	0.4	0.4
5.000	0.5	0.5	0.5	0.5	0.5
5.500	0.5	0.5	0.5	0.6	0.6
6.000	0.6	0.6	0.6	0.6	0.6
6.500	0.6	0.7	0.7	0.7	0.7
7.000	0.7	0.7	0.8	0.8	0.8
7.500	0.8	0.8	0.9	0.9	0.9
8.000	0.9	0.9	1.0	1.0	1.0
8.500	1.0	1.1	1.1	1.1	1.1
9.000	1.2	1.2	1.2	1.3	1.3
9.500	1.3	1.4	1.4	1.4	1.5
10.000	1.5	1.6	1.6	1.6	1.7
10.500	1.7	1.8	1.8	1.9	1.9
11.000	2.0	2.1	2.1	2.2	2.3
11.500	2.4	2.5	2.7	3.0	3.3
12.000	4.0	4.7	5.0	5.3	5.5
12.500	5.6	5.7	5.8	5.9	5.9
13.000	6.0	6.1	6.1	6.2	6.2
13.500	6.3	6.3	6.4	6.4	6.4
14.000	6.5	6.5	6.6	6.6	6.6
14.500	6.7	6.7	6.7	6.8	6.8
15.000	6.8	6.9	6.9	6.9	6.9
15.500	7.0	7.0	7.0	7.0	7.1
16.000	7.1	7.1	7.1	7.1	7.2

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	7.2	7.2	7.2	7.2	7.3
17.000	7.3	7.3	7.3	7.3	7.3
17.500	7.4	7.4	7.4	7.4	7.4
18.000	7.4	7.4	7.4	7.5	7.5
18.500	7.5	7.5	7.5	7.5	7.5
19.000	7.5	7.6	7.6	7.6	7.6
19.500	7.6	7.6	7.6	7.6	7.6
20.000	7.7	7.7	7.7	7.7	7.7
20.500	7.7	7.7	7.7	7.7	7.7
21.000	7.8	7.8	7.8	7.8	7.8
21.500	7.8	7.8	7.8	7.8	7.8
22.000	7.8	7.9	7.9	7.9	7.9
22.500	7.9	7.9	7.9	7.9	7.9
23.000	7.9	7.9	7.9	8.0	8.0
23.500	8.0	8.0	8.0	8.0	8.0
24.000	8.0	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Time-Depth Curve: TypeIII 24hr (8.4 in)

Label	TypeIII 24hr (8.4 in)
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	100 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.1	0.1	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.2	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.3	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.4
4.000	0.4	0.4	0.4	0.4	0.4
4.500	0.4	0.4	0.4	0.5	0.5
5.000	0.5	0.5	0.5	0.5	0.5
5.500	0.5	0.6	0.6	0.6	0.6
6.000	0.6	0.6	0.6	0.6	0.7
6.500	0.7	0.7	0.7	0.7	0.7
7.000	0.8	0.8	0.8	0.8	0.8
7.500	0.9	0.9	0.9	0.9	0.9
8.000	1.0	1.0	1.0	1.0	1.1
8.500	1.1	1.1	1.1	1.2	1.2
9.000	1.2	1.3	1.3	1.3	1.4
9.500	1.4	1.4	1.5	1.5	1.5
10.000	1.6	1.6	1.7	1.7	1.8
10.500	1.8	1.9	1.9	2.0	2.0
11.000	2.1	2.2	2.2	2.3	2.4
11.500	2.5	2.6	2.9	3.1	3.5
12.000	4.2	4.9	5.3	5.5	5.8
12.500	5.9	6.0	6.1	6.2	6.2
13.000	6.3	6.4	6.4	6.5	6.5
13.500	6.6	6.6	6.7	6.7	6.8
14.000	6.8	6.9	6.9	6.9	7.0
14.500	7.0	7.0	7.1	7.1	7.1
15.000	7.2	7.2	7.2	7.3	7.3
15.500	7.3	7.3	7.4	7.4	7.4
16.000	7.4	7.5	7.5	7.5	7.5

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Bryant Arkansas

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
16.500	7.5	7.6	7.6	7.6	7.6
17.000	7.6	7.7	7.7	7.7	7.7
17.500	7.7	7.7	7.8	7.8	7.8
18.000	7.8	7.8	7.8	7.8	7.8
18.500	7.9	7.9	7.9	7.9	7.9
19.000	7.9	7.9	7.9	8.0	8.0
19.500	8.0	8.0	8.0	8.0	8.0
20.000	8.0	8.0	8.1	8.1	8.1
20.500	8.1	8.1	8.1	8.1	8.1
21.000	8.1	8.2	8.2	8.2	8.2
21.500	8.2	8.2	8.2	8.2	8.2
22.000	8.2	8.2	8.3	8.3	8.3
22.500	8.3	8.3	8.3	8.3	8.3
23.000	8.3	8.3	8.3	8.3	8.4
23.500	8.4	8.4	8.4	8.4	8.4
24.000	8.4	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	55.00 ft
Manning's n	0.240
Slope	0.094 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.068 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	True
Slope	0.065 ft/ft
Average Velocity	5.18 ft/s
Segment Time of Concentration	0.004 hours

Segment #3: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	100.12 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	4.93 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Channel Flow

Flow Area	1.2 ft ²
Hydraulic Length	57.93 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.93 ft
Average Velocity	5.73 ft/s
Segment Time of Concentration	0.003 hours

Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

==== SCS Channel Flow

$$T_c = \frac{R}{Q_a / W_p}$$
$$V = \frac{(1.49 * (R^{2/3}) * (S_f^{-0.5}))}{n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \text{Unpaved surface:}$$
$$V = 16.1345 * (S_f^{0.5})$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where: Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	55.00 ft
Manning's n	0.240
Slope	0.094 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.068 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	True
Slope	0.065 ft/ft
Average Velocity	5.18 ft/s
Segment Time of Concentration	0.004 hours

Segment #3: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	100.12 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	4.93 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Channel Flow

Flow Area	1.2 ft ²
Hydraulic Length	57.93 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.93 ft
Average Velocity	5.73 ft/s
Segment Time of Concentration	0.003 hours

Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where: Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	55.00 ft
Manning's n	0.240
Slope	0.094 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.068 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	True
Slope	0.065 ft/ft
Average Velocity	5.18 ft/s
Segment Time of Concentration	0.004 hours

Segment #3: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	100.12 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	4.93 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Channel Flow

Flow Area	1.2 ft ²
Hydraulic Length	57.93 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.93 ft
Average Velocity	5.73 ft/s
Segment Time of Concentration	0.003 hours

Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	55.00 ft
Manning's n	0.240
Slope	0.094 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.068 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	True
Slope	0.065 ft/ft
Average Velocity	5.18 ft/s
Segment Time of Concentration	0.004 hours

Segment #3: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	100.12 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	4.93 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Channel Flow

Flow Area	1.2 ft ²
Hydraulic Length	57.93 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.93 ft
Average Velocity	5.73 ft/s
Segment Time of Concentration	0.003 hours

Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	55.00 ft
Manning's n	0.240
Slope	0.094 ft/ft
2 Year 24 Hour Depth	4.3 in
Average Velocity	0.22 ft/s
Segment Time of Concentration	0.068 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	80.00 ft
Is Paved?	True
Slope	0.065 ft/ft
Average Velocity	5.18 ft/s
Segment Time of Concentration	0.004 hours

Segment #3: TR-55 Channel Flow

Flow Area	0.8 ft ²
Hydraulic Length	100.12 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.14 ft
Average Velocity	4.93 ft/s
Segment Time of Concentration	0.006 hours

Segment #4: TR-55 Channel Flow

Flow Area	1.2 ft ²
Hydraulic Length	57.93 ft
Manning's n	0.012
Slope	0.010 ft/ft
Wetted Perimeter	3.93 ft
Average Velocity	5.73 ft/s
Segment Time of Concentration	0.003 hours

Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

$$\text{Where: } (L_f / V) / 3600$$

R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

$$T_c = \frac{\text{Unpaved surface:}}{V = 16.1345 * (S_f^{0.5})}$$

$$\text{Paved Surface:}$$
$$V = 20.3282 * (S_f^{0.5})$$

$$\text{Where: } (L_f / V) / 3600$$

V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

$$T_c = \frac{(0.007 * ((n * L_f)^{0.8}))}{((P^{0.5}) * (S_f^{0.4}))}$$

Where:

Tc= Time of concentration, hours
n= Manning's n
Lf= Flow length, feet
P= 2yr, 24hr Rain depth, inches
Sf= Slope, %

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Time of Concentration Results

Segment #1: User Defined Tc

Time of Concentration	0.100 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Return Event: 2 years

Label: Site

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

==== User Defined

Tc = Value entered by user
Where: Tc= Time of concentration, hours

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Time of Concentration Results

Segment #1: User Defined Tc

Time of Concentration	0.100 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

==== User Defined

Tc = Value entered by user
Where: Tc= Time of concentration, hours

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Time of Concentration Results

Segment #1: User Defined Tc

Time of Concentration	0.100 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

==== User Defined

Tc = Value entered by user
Where: Tc= Time of concentration, hours

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Time of Concentration Results

Segment #1: User Defined Tc

Time of Concentration	0.100 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

==== User Defined

Tc = Value entered by user
Where: Tc= Time of concentration, hours

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Time of Concentration Results

Segment #1: User Defined Tc

Time of Concentration	0.100 hours
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Time of Concentration (Composite)

Time of Concentration (Composite)	0.100 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

==== User Defined

Tc = Value entered by user
Where: Tc= Time of concentration, hours

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.140	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.170	(N/A)	(N/A)	67.529

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Proposed Impervious Coverage	98.000	0.610	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.800	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.410	(N/A)	(N/A)	77.007

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Proposed Impervious Coverage	98.000	0.610	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.800	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.410	(N/A)	(N/A)	77.007

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Proposed Impervious Coverage	98.000	0.610	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.800	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.410	(N/A)	(N/A)	77.007

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Proposed Impervious Coverage	98.000	0.610	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.800	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.410	(N/A)	(N/A)	77.007

Post-Development Conditions

Subsection: Runoff CN-Area

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Proposed Impervious Coverage	98.000	0.610	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	0.800	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.410	(N/A)	(N/A)	77.007

Post-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method (Computational Notes)

Definition of Terms

At	Total area (acres): $At = Ai + Ap$
Ai	Impervious area (acres)
Ap	Pervious area (acres)
CNi	Runoff curve number for impervious area
CNp	Runoff curve number for pervious area
fLoss	f loss constant infiltration (depth/time)
gKs	Saturated Hydraulic Conductivity (depth/time)
Md	Volumetric Moisture Deficit
Psi	Capillary Suction (length)
hK	Horton Infiltration Decay Rate (time^{-1})
fo	Initial Infiltration Rate (depth/time)
fc	Ultimate(capacity)Infiltration Rate (depth/time)
Ia	Initial Abstraction (length)
dt	Computational increment (duration of unit excess rainfall) Default dt is smallest value of $0.1333T_c$, r_{tm} , and t_h (Smallest dt is then adjusted to match up with T_p)
UDdt	User specified override computational main time increment (only used if UDdt is $\Rightarrow .1333T_c$)
D(t)	Point on distribution curve (fraction of P) for time step t
K	$2 / (1 + (T_r/T_p))$: default $K = 0.75$: (for $T_r/T_p = 1.67$)
Ks	Hydrograph shape factor = Unit Conversions * K: $= ((1\text{hr}/3600\text{sec}) * (1\text{ft}/12\text{in}) * ((5280\text{ft})^2/\text{sq.mi})) * K$ Default $K_s = 645.333 * 0.75 = 484$
Lag	Lag time from center of excess runoff (dt) to T_p : $\text{Lag} = 0.6T_c$
P	Total precipitation depth, inches
Pa(t)	Accumulated rainfall at time step t
Pi(t)	Incremental rainfall at time step t
qp	Peak discharge (cfs) for 1in. runoff, for 1 sq.mi. $= (K_s * A * Q) / T_p$ (where $Q = 1\text{in. runoff}$, $A = \text{sq.mi.}$)
Qu(t)	Unit hydrograph ordinate (cfs) at time step t
Q(t)	Final hydrograph ordinate (cfs) at time step t
Rai(t)	Accumulated runoff (inches) at time step t for impervious area
Rap(t)	Accumulated runoff (inches) at time step t for pervious area
Rii(t)	Incremental runoff (inches) at time step t for impervious area
Rip(t)	Incremental runoff (inches) at time step t for pervious area
R(t)	Incremental weighted total runoff (inches)
Rtm	Time increment for rainfall table
Si	S for impervious area: $Si = (1000/CNi) - 10$
Sp	S for pervious area: $Sp = (1000/CNp) - 10$
t	Time step (row) number
Tc	Time of concentration
Tb	Time (hrs) of entire unit hydrograph: $T_b = T_p + T_r$
Tp	Time (hrs) to peak of a unit hydrograph: $T_p = (dt/2) + \text{Lag}$
Tr	Time (hrs) of receding limb of unit hydrograph: $T_r = \text{ratio of } T_p$

Post-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method

Computational Notes

Precipitation

Column (1)	Time for time step t
Column (2)	$D(t)$ = Point on distribution curve for time step t
Column (3)	$P_i(t) = P_a(t) - P_a(t-1)$: Col.(4) - Preceding Col.(4)
Column (4)	$P_a(t) = D(t) \times P$: Col.(2) x P

Pervious Area Runoff (using SCS Runoff CN Method)

Column (5)	$Rap(t)$ = Accumulated pervious runoff for time step t If $(P_a(t))$ is $\leq 0.2Sp$ then use: $Rap(t) = 0.0$ If $(P_a(t))$ is $> 0.2Sp$ then use: $Rap(t) = (Col.(4) - 0.2Sp) \times 2 / (Col.(4) + 0.8Sp)$
Column (6)	$Rip(t)$ = Incremental pervious runoff for time step t $Rip(t) = Rap(t) - Rap(t-1)$ $Rip(t) = Col.(5)$ for current row - $Col.(5)$ for preceding row.

Impervious Area Runoff

Column (7 & 8)...	Did not specify to use impervious areas.
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Incremental Weighted Runoff

Column (9)	$R(t) = (A_p/At) \times Rip(t) + (A_i/At) \times Rii(t)$ $R(t) = (A_p/At) \times Col.(6) + (A_i/At) \times Col.(8)$
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SCS Unit Hydrograph Method

Column (10)	$Q(t)$ is computed with the SCS unit hydrograph method using $R(t)$ and $Qu(t)$.
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Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	0.24 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.133 hours
Flow (Peak Interpolated Output)	0.24 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.4 in
Runoff Volume (Pervious)	0.020 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.020 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.93 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.800	0.00	0.00	0.00	0.00	0.00
10.967	0.00	0.00	0.00	0.00	0.00
11.133	0.00	0.00	0.00	0.00	0.01
11.300	0.01	0.01	0.01	0.01	0.01
11.467	0.01	0.01	0.01	0.01	0.02
11.633	0.02	0.02	0.03	0.03	0.04
11.800	0.05	0.05	0.06	0.07	0.09
11.967	0.13	0.17	0.20	0.22	0.23
12.133	0.24	0.20	0.17	0.15	0.14
12.300	0.13	0.12	0.11	0.10	0.09
12.467	0.08	0.07	0.06	0.06	0.05
12.633	0.05	0.04	0.04	0.04	0.04
12.800	0.04	0.04	0.04	0.04	0.03
12.967	0.03	0.03	0.03	0.03	0.03
13.133	0.03	0.03	0.03	0.03	0.03
13.300	0.03	0.03	0.03	0.03	0.03
13.467	0.03	0.03	0.03	0.03	0.03
13.633	0.02	0.02	0.02	0.02	0.02
13.800	0.02	0.02	0.02	0.02	0.02
13.967	0.02	0.02	0.02	0.02	0.02
14.133	0.02	0.02	0.02	0.02	0.02
14.300	0.02	0.02	0.02	0.02	0.02
14.467	0.02	0.02	0.02	0.02	0.02
14.633	0.02	0.02	0.02	0.02	0.02
14.800	0.02	0.02	0.02	0.02	0.02
14.967	0.02	0.02	0.02	0.02	0.02
15.133	0.02	0.02	0.02	0.02	0.02
15.300	0.02	0.02	0.02	0.02	0.01
15.467	0.01	0.01	0.01	0.01	0.01
15.633	0.01	0.01	0.01	0.01	0.01
15.800	0.01	0.01	0.01	0.01	0.01
15.967	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
16.133	0.01	0.01	0.01	0.01	0.01
16.300	0.01	0.01	0.01	0.01	0.01
16.467	0.01	0.01	0.01	0.01	0.01
16.633	0.01	0.01	0.01	0.01	0.01
16.800	0.01	0.01	0.01	0.01	0.01
16.967	0.01	0.01	0.01	0.01	0.01
17.133	0.01	0.01	0.01	0.01	0.01
17.300	0.01	0.01	0.01	0.01	0.01
17.467	0.01	0.01	0.01	0.01	0.01
17.633	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
17.967	0.01	0.01	0.01	0.01	0.01
18.133	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.467	0.01	0.01	0.01	0.01	0.01
18.633	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
18.967	0.01	0.01	0.01	0.01	0.01
19.133	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.467	0.01	0.01	0.01	0.01	0.01
19.633	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
19.967	0.01	0.01	0.01	0.01	0.01
20.133	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.467	0.01	0.01	0.01	0.01	0.01
20.633	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
20.967	0.01	0.01	0.01	0.01	0.01
21.133	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.467	0.01	0.01	0.01	0.01	0.01
21.633	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
21.967	0.01	0.01	0.01	0.01	0.01
22.133	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.467	0.00	0.00	0.00	0.00	0.00
22.633	0.00	0.00	0.00	0.00	0.00
22.800	0.00	0.00	0.00	0.00	0.00
22.967	0.00	0.00	0.00	0.00	0.00

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Offsite

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.133	0.00	0.00	0.00	0.00	0.00
23.300	0.00	0.00	0.00	0.00	0.00
23.467	0.00	0.00	0.00	0.00	0.00
23.633	0.00	0.00	0.00	0.00	0.00
23.800	0.00	0.00	0.00	0.00	0.00
23.967	0.00	0.00	0.00	0.00	0.00
24.133	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	0.46 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.45 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.6 in
Runoff Volume (Pervious)	0.037 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.037 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.93 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.567	0.00	0.00	0.00	0.00	0.00
9.733	0.00	0.00	0.00	0.00	0.00
9.900	0.00	0.00	0.00	0.00	0.00
10.067	0.00	0.00	0.00	0.00	0.00
10.233	0.01	0.01	0.01	0.01	0.01
10.400	0.01	0.01	0.01	0.01	0.01
10.567	0.01	0.01	0.01	0.01	0.01
10.733	0.01	0.01	0.01	0.01	0.01
10.900	0.01	0.01	0.01	0.01	0.01
11.067	0.02	0.02	0.02	0.02	0.02
11.233	0.02	0.02	0.02	0.02	0.03
11.400	0.03	0.03	0.03	0.03	0.03
11.567	0.04	0.04	0.05	0.06	0.07
11.733	0.08	0.10	0.11	0.13	0.15
11.900	0.17	0.20	0.27	0.35	0.40
12.067	0.43	0.45	0.45	0.38	0.32
12.233	0.28	0.25	0.23	0.22	0.20
12.400	0.18	0.16	0.14	0.12	0.11
12.567	0.10	0.09	0.08	0.08	0.07
12.733	0.07	0.07	0.07	0.07	0.06
12.900	0.06	0.06	0.06	0.06	0.05
13.067	0.05	0.05	0.05	0.05	0.05
13.233	0.05	0.05	0.05	0.05	0.05
13.400	0.05	0.05	0.05	0.04	0.04
13.567	0.04	0.04	0.04	0.04	0.04
13.733	0.04	0.04	0.04	0.04	0.04
13.900	0.04	0.04	0.04	0.04	0.04
14.067	0.04	0.04	0.04	0.03	0.03
14.233	0.03	0.03	0.03	0.03	0.03
14.400	0.03	0.03	0.03	0.03	0.03
14.567	0.03	0.03	0.03	0.03	0.03
14.733	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Offsite

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.900	0.03	0.03	0.03	0.03	0.03
15.067	0.03	0.03	0.03	0.03	0.03
15.233	0.03	0.03	0.03	0.03	0.03
15.400	0.03	0.02	0.02	0.02	0.02
15.567	0.02	0.02	0.02	0.02	0.02
15.733	0.02	0.02	0.02	0.02	0.02
15.900	0.02	0.02	0.02	0.02	0.02
16.067	0.02	0.02	0.02	0.02	0.02
16.233	0.02	0.02	0.02	0.02	0.02
16.400	0.02	0.02	0.02	0.02	0.02
16.567	0.02	0.02	0.02	0.02	0.02
16.733	0.02	0.02	0.02	0.02	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.067	0.02	0.02	0.02	0.02	0.02
17.233	0.02	0.02	0.02	0.02	0.01
17.400	0.01	0.01	0.01	0.01	0.01
17.567	0.01	0.01	0.01	0.01	0.01
17.733	0.01	0.01	0.01	0.01	0.01
17.900	0.01	0.01	0.01	0.01	0.01
18.067	0.01	0.01	0.01	0.01	0.01
18.233	0.01	0.01	0.01	0.01	0.01
18.400	0.01	0.01	0.01	0.01	0.01
18.567	0.01	0.01	0.01	0.01	0.01
18.733	0.01	0.01	0.01	0.01	0.01
18.900	0.01	0.01	0.01	0.01	0.01
19.067	0.01	0.01	0.01	0.01	0.01
19.233	0.01	0.01	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.567	0.01	0.01	0.01	0.01	0.01
19.733	0.01	0.01	0.01	0.01	0.01
19.900	0.01	0.01	0.01	0.01	0.01
20.067	0.01	0.01	0.01	0.01	0.01
20.233	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.567	0.01	0.01	0.01	0.01	0.01
20.733	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.067	0.01	0.01	0.01	0.01	0.01
21.233	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.567	0.01	0.01	0.01	0.01	0.01
21.733	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Offsite

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.900	0.01	0.01	0.01	0.01	0.01
22.067	0.01	0.01	0.01	0.01	0.01
22.233	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.567	0.01	0.01	0.01	0.01	0.01
22.733	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.067	0.01	0.01	0.01	0.01	0.01
23.233	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.567	0.01	0.01	0.01	0.01	0.01
23.733	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	0.01	0.01
24.067	0.00	0.00	0.00	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	0.58 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.58 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.3 in
Runoff Volume (Pervious)	0.047 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.047 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.93 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.033	0.00	0.00	0.00	0.00	0.00
9.200	0.00	0.00	0.00	0.00	0.00
9.367	0.00	0.00	0.00	0.00	0.00
9.533	0.00	0.00	0.00	0.00	0.00
9.700	0.01	0.01	0.01	0.01	0.01
9.867	0.01	0.01	0.01	0.01	0.01
10.033	0.01	0.01	0.01	0.01	0.01
10.200	0.01	0.01	0.01	0.01	0.01
10.367	0.01	0.01	0.01	0.01	0.01
10.533	0.01	0.01	0.01	0.02	0.02
10.700	0.02	0.02	0.02	0.02	0.02
10.867	0.02	0.02	0.02	0.02	0.02
11.033	0.02	0.02	0.02	0.03	0.03
11.200	0.03	0.03	0.03	0.03	0.03
11.367	0.04	0.04	0.04	0.04	0.04
11.533	0.05	0.06	0.06	0.07	0.09
11.700	0.10	0.12	0.14	0.16	0.17
11.867	0.20	0.22	0.26	0.36	0.45
12.033	0.51	0.55	0.58	0.57	0.48
12.200	0.40	0.35	0.32	0.29	0.27
12.367	0.24	0.22	0.20	0.18	0.15
12.533	0.14	0.12	0.11	0.10	0.09
12.700	0.09	0.09	0.09	0.08	0.08
12.867	0.08	0.08	0.07	0.07	0.07
13.033	0.07	0.06	0.06	0.06	0.06
13.200	0.06	0.06	0.06	0.06	0.06
13.367	0.06	0.06	0.06	0.06	0.05
13.533	0.05	0.05	0.05	0.05	0.05
13.700	0.05	0.05	0.05	0.05	0.05
13.867	0.05	0.05	0.05	0.05	0.04
14.033	0.04	0.04	0.04	0.04	0.04
14.200	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Offsite

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.367	0.04	0.04	0.04	0.04	0.04
14.533	0.04	0.04	0.04	0.04	0.04
14.700	0.04	0.04	0.04	0.04	0.04
14.867	0.04	0.04	0.04	0.03	0.03
15.033	0.03	0.03	0.03	0.03	0.03
15.200	0.03	0.03	0.03	0.03	0.03
15.367	0.03	0.03	0.03	0.03	0.03
15.533	0.03	0.03	0.03	0.03	0.03
15.700	0.03	0.03	0.03	0.03	0.03
15.867	0.03	0.03	0.03	0.02	0.02
16.033	0.02	0.02	0.02	0.02	0.02
16.200	0.02	0.02	0.02	0.02	0.02
16.367	0.02	0.02	0.02	0.02	0.02
16.533	0.02	0.02	0.02	0.02	0.02
16.700	0.02	0.02	0.02	0.02	0.02
16.867	0.02	0.02	0.02	0.02	0.02
17.033	0.02	0.02	0.02	0.02	0.02
17.200	0.02	0.02	0.02	0.02	0.02
17.367	0.02	0.02	0.02	0.02	0.02
17.533	0.02	0.02	0.02	0.02	0.02
17.700	0.02	0.02	0.02	0.02	0.02
17.867	0.02	0.02	0.02	0.02	0.02
18.033	0.02	0.01	0.01	0.01	0.01
18.200	0.01	0.01	0.01	0.01	0.01
18.367	0.01	0.01	0.01	0.01	0.01
18.533	0.01	0.01	0.01	0.01	0.01
18.700	0.01	0.01	0.01	0.01	0.01
18.867	0.01	0.01	0.01	0.01	0.01
19.033	0.01	0.01	0.01	0.01	0.01
19.200	0.01	0.01	0.01	0.01	0.01
19.367	0.01	0.01	0.01	0.01	0.01
19.533	0.01	0.01	0.01	0.01	0.01
19.700	0.01	0.01	0.01	0.01	0.01
19.867	0.01	0.01	0.01	0.01	0.01
20.033	0.01	0.01	0.01	0.01	0.01
20.200	0.01	0.01	0.01	0.01	0.01
20.367	0.01	0.01	0.01	0.01	0.01
20.533	0.01	0.01	0.01	0.01	0.01
20.700	0.01	0.01	0.01	0.01	0.01
20.867	0.01	0.01	0.01	0.01	0.01
21.033	0.01	0.01	0.01	0.01	0.01
21.200	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Offsite

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.367	0.01	0.01	0.01	0.01	0.01
21.533	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01
21.867	0.01	0.01	0.01	0.01	0.01
22.033	0.01	0.01	0.01	0.01	0.01
22.200	0.01	0.01	0.01	0.01	0.01
22.367	0.01	0.01	0.01	0.01	0.01
22.533	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.867	0.01	0.01	0.01	0.01	0.01
23.033	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.367	0.01	0.01	0.01	0.01	0.01
23.533	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.867	0.01	0.01	0.01	0.01	0.01
24.033	0.01	0.00	0.00	0.00	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	0.74 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.73 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.2 in
Runoff Volume (Pervious)	0.060 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.060 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.93 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.467	0.00	0.00	0.00	0.00	0.00
8.633	0.00	0.00	0.00	0.00	0.00
8.800	0.00	0.00	0.00	0.00	0.00
8.967	0.00	0.00	0.00	0.00	0.00
9.133	0.00	0.01	0.01	0.01	0.01
9.300	0.01	0.01	0.01	0.01	0.01
9.467	0.01	0.01	0.01	0.01	0.01
9.633	0.01	0.01	0.01	0.01	0.01
9.800	0.01	0.01	0.01	0.01	0.01
9.967	0.01	0.01	0.01	0.01	0.01
10.133	0.01	0.02	0.02	0.02	0.02
10.300	0.02	0.02	0.02	0.02	0.02
10.467	0.02	0.02	0.02	0.02	0.02
10.633	0.02	0.02	0.02	0.03	0.03
10.800	0.03	0.03	0.03	0.03	0.03
10.967	0.03	0.03	0.03	0.03	0.04
11.133	0.04	0.04	0.04	0.04	0.04
11.300	0.05	0.05	0.05	0.05	0.06
11.467	0.06	0.06	0.07	0.08	0.09
11.633	0.10	0.12	0.14	0.16	0.19
11.800	0.21	0.23	0.26	0.29	0.34
11.967	0.47	0.59	0.66	0.70	0.73
12.133	0.72	0.60	0.50	0.44	0.39
12.300	0.36	0.34	0.30	0.28	0.25
12.467	0.22	0.19	0.17	0.15	0.13
12.633	0.12	0.12	0.11	0.11	0.11
12.800	0.10	0.10	0.10	0.09	0.09
12.967	0.09	0.08	0.08	0.08	0.08
13.133	0.08	0.08	0.07	0.07	0.07
13.300	0.07	0.07	0.07	0.07	0.07
13.467	0.07	0.07	0.07	0.07	0.06
13.633	0.06	0.06	0.06	0.06	0.06

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Offsite

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.800	0.06	0.06	0.06	0.06	0.06
13.967	0.06	0.05	0.05	0.05	0.05
14.133	0.05	0.05	0.05	0.05	0.05
14.300	0.05	0.05	0.05	0.05	0.05
14.467	0.05	0.05	0.05	0.05	0.05
14.633	0.05	0.05	0.05	0.05	0.05
14.800	0.04	0.04	0.04	0.04	0.04
14.967	0.04	0.04	0.04	0.04	0.04
15.133	0.04	0.04	0.04	0.04	0.04
15.300	0.04	0.04	0.04	0.04	0.04
15.467	0.04	0.04	0.04	0.04	0.03
15.633	0.03	0.03	0.03	0.03	0.03
15.800	0.03	0.03	0.03	0.03	0.03
15.967	0.03	0.03	0.03	0.03	0.03
16.133	0.03	0.03	0.03	0.03	0.03
16.300	0.03	0.03	0.03	0.03	0.03
16.467	0.03	0.03	0.03	0.03	0.03
16.633	0.03	0.03	0.03	0.03	0.03
16.800	0.03	0.02	0.02	0.02	0.02
16.967	0.02	0.02	0.02	0.02	0.02
17.133	0.02	0.02	0.02	0.02	0.02
17.300	0.02	0.02	0.02	0.02	0.02
17.467	0.02	0.02	0.02	0.02	0.02
17.633	0.02	0.02	0.02	0.02	0.02
17.800	0.02	0.02	0.02	0.02	0.02
17.967	0.02	0.02	0.02	0.02	0.02
18.133	0.02	0.02	0.02	0.02	0.02
18.300	0.02	0.02	0.02	0.02	0.02
18.467	0.02	0.02	0.02	0.02	0.02
18.633	0.02	0.02	0.02	0.02	0.02
18.800	0.02	0.02	0.02	0.02	0.02
18.967	0.02	0.02	0.02	0.02	0.02
19.133	0.02	0.02	0.02	0.02	0.02
19.300	0.02	0.02	0.02	0.02	0.02
19.467	0.02	0.02	0.02	0.02	0.02
19.633	0.02	0.02	0.02	0.02	0.02
19.800	0.02	0.02	0.02	0.02	0.02
19.967	0.01	0.01	0.01	0.01	0.01
20.133	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.467	0.01	0.01	0.01	0.01	0.01
20.633	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Offsite

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.800	0.01	0.01	0.01	0.01	0.01
20.967	0.01	0.01	0.01	0.01	0.01
21.133	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.467	0.01	0.01	0.01	0.01	0.01
21.633	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
21.967	0.01	0.01	0.01	0.01	0.01
22.133	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.467	0.01	0.01	0.01	0.01	0.01
22.633	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
22.967	0.01	0.01	0.01	0.01	0.01
23.133	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.467	0.01	0.01	0.01	0.01	0.01
23.633	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01
23.967	0.01	0.01	0.01	0.01	0.00
24.133	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	0.80 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.79 ft ³ /s
Drainage Area	
SCS CN (Composite)	68.000
Area (User Defined)	0.170 acres
Maximum Retention (Pervious)	4.7 in
Maximum Retention (Pervious, 20 percent)	0.9 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.6 in
Runoff Volume (Pervious)	0.065 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.065 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Offsite

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	1.93 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Offsite

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	0.170 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.267	0.00	0.00	0.00	0.00	0.00
8.433	0.00	0.00	0.00	0.00	0.00
8.600	0.00	0.00	0.00	0.00	0.00
8.767	0.00	0.00	0.00	0.00	0.00
8.933	0.00	0.01	0.01	0.01	0.01
9.100	0.01	0.01	0.01	0.01	0.01
9.267	0.01	0.01	0.01	0.01	0.01
9.433	0.01	0.01	0.01	0.01	0.01
9.600	0.01	0.01	0.01	0.01	0.01
9.767	0.01	0.01	0.01	0.01	0.01
9.933	0.01	0.01	0.02	0.02	0.02
10.100	0.02	0.02	0.02	0.02	0.02
10.267	0.02	0.02	0.02	0.02	0.02
10.433	0.02	0.02	0.02	0.02	0.03
10.600	0.03	0.03	0.03	0.03	0.03
10.767	0.03	0.03	0.03	0.03	0.03
10.933	0.03	0.03	0.04	0.04	0.04
11.100	0.04	0.04	0.04	0.05	0.05
11.267	0.05	0.05	0.05	0.06	0.06
11.433	0.06	0.07	0.07	0.07	0.09
11.600	0.10	0.11	0.13	0.15	0.17
11.767	0.20	0.23	0.25	0.29	0.32
11.933	0.38	0.51	0.64	0.71	0.76
12.100	0.79	0.77	0.65	0.54	0.48
12.267	0.42	0.39	0.36	0.33	0.30
12.433	0.27	0.23	0.20	0.18	0.16
12.600	0.14	0.13	0.12	0.12	0.12
12.767	0.11	0.11	0.11	0.10	0.10
12.933	0.10	0.09	0.09	0.09	0.08
13.100	0.08	0.08	0.08	0.08	0.08
13.267	0.08	0.08	0.08	0.07	0.07
13.433	0.07	0.07	0.07	0.07	0.07

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Offsite

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.600	0.07	0.07	0.07	0.07	0.07
13.767	0.06	0.06	0.06	0.06	0.06
13.933	0.06	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.06	0.05
14.267	0.05	0.05	0.05	0.05	0.05
14.433	0.05	0.05	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.767	0.05	0.05	0.05	0.05	0.05
14.933	0.05	0.05	0.05	0.04	0.04
15.100	0.04	0.04	0.04	0.04	0.04
15.267	0.04	0.04	0.04	0.04	0.04
15.433	0.04	0.04	0.04	0.04	0.04
15.600	0.04	0.04	0.04	0.04	0.04
15.767	0.03	0.03	0.03	0.03	0.03
15.933	0.03	0.03	0.03	0.03	0.03
16.100	0.03	0.03	0.03	0.03	0.03
16.267	0.03	0.03	0.03	0.03	0.03
16.433	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.767	0.03	0.03	0.03	0.03	0.03
16.933	0.03	0.03	0.03	0.03	0.03
17.100	0.02	0.02	0.02	0.02	0.02
17.267	0.02	0.02	0.02	0.02	0.02
17.433	0.02	0.02	0.02	0.02	0.02
17.600	0.02	0.02	0.02	0.02	0.02
17.767	0.02	0.02	0.02	0.02	0.02
17.933	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.267	0.02	0.02	0.02	0.02	0.02
18.433	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.02
18.767	0.02	0.02	0.02	0.02	0.02
18.933	0.02	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.267	0.02	0.02	0.02	0.02	0.02
19.433	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.767	0.02	0.02	0.02	0.02	0.02
19.933	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.267	0.02	0.02	0.02	0.02	0.02
20.433	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Offsite

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.600	0.02	0.02	0.01	0.01	0.01
20.767	0.01	0.01	0.01	0.01	0.01
20.933	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.267	0.01	0.01	0.01	0.01	0.01
21.433	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.767	0.01	0.01	0.01	0.01	0.01
21.933	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.267	0.01	0.01	0.01	0.01	0.01
22.433	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.767	0.01	0.01	0.01	0.01	0.01
22.933	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.267	0.01	0.01	0.01	0.01	0.01
23.433	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.767	0.01	0.01	0.01	0.01	0.01
23.933	0.01	0.01	0.01	0.01	0.01
24.100	0.00	0.00	0.00	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 2 years

Label: Site

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	2.97 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	2.95 ft ³ /s
Drainage Area	
SCS CN (Composite)	77.000
Area (User Defined)	1.410 acres
Maximum Retention (Pervious)	3.0 in
Maximum Retention (Pervious, 20 percent)	0.6 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.0 in
Runoff Volume (Pervious)	0.241 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.241 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 2 years

Label: Site

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.98 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Site

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Storm Event	TypeIII 24hr (4.3 in)
Return Event	2 years
Duration	80.000 hours
Depth	4.3 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.900	0.00	0.00	0.00	0.00	0.00
9.067	0.00	0.00	0.01	0.01	0.01
9.233	0.01	0.01	0.01	0.01	0.01
9.400	0.01	0.01	0.02	0.02	0.02
9.567	0.02	0.02	0.02	0.02	0.02
9.733	0.02	0.03	0.03	0.03	0.03
9.900	0.03	0.03	0.03	0.04	0.04
10.067	0.04	0.04	0.04	0.04	0.05
10.233	0.05	0.05	0.05	0.05	0.06
10.400	0.06	0.06	0.06	0.07	0.07
10.567	0.07	0.07	0.08	0.08	0.08
10.733	0.08	0.09	0.09	0.09	0.09
10.900	0.10	0.10	0.10	0.11	0.11
11.067	0.12	0.12	0.13	0.13	0.14
11.233	0.15	0.16	0.17	0.17	0.18
11.400	0.19	0.20	0.21	0.22	0.24
11.567	0.28	0.32	0.36	0.44	0.52
11.733	0.59	0.69	0.79	0.88	1.00
11.900	1.12	1.33	1.83	2.31	2.61
12.067	2.80	2.95	2.90	2.45	2.03
12.233	1.81	1.61	1.48	1.39	1.25
12.400	1.14	1.05	0.90	0.78	0.71
12.567	0.62	0.55	0.51	0.48	0.47
12.733	0.45	0.44	0.43	0.42	0.40
12.900	0.39	0.38	0.36	0.35	0.34
13.067	0.33	0.32	0.32	0.31	0.31
13.233	0.31	0.30	0.30	0.30	0.29
13.400	0.29	0.29	0.28	0.28	0.28
13.567	0.27	0.27	0.27	0.26	0.26
13.733	0.26	0.25	0.25	0.25	0.24
13.900	0.24	0.24	0.23	0.23	0.23
14.067	0.22	0.22	0.22	0.22	0.22

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Site

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.233	0.22	0.21	0.21	0.21	0.21
14.400	0.21	0.21	0.20	0.20	0.20
14.567	0.20	0.20	0.20	0.19	0.19
14.733	0.19	0.19	0.19	0.19	0.18
14.900	0.18	0.18	0.18	0.18	0.18
15.067	0.17	0.17	0.17	0.17	0.17
15.233	0.17	0.16	0.16	0.16	0.16
15.400	0.16	0.16	0.15	0.15	0.15
15.567	0.15	0.15	0.15	0.14	0.14
15.733	0.14	0.14	0.14	0.14	0.13
15.900	0.13	0.13	0.13	0.13	0.13
16.067	0.12	0.12	0.12	0.12	0.12
16.233	0.12	0.12	0.12	0.12	0.12
16.400	0.11	0.11	0.11	0.11	0.11
16.567	0.11	0.11	0.11	0.11	0.11
16.733	0.11	0.11	0.11	0.11	0.10
16.900	0.10	0.10	0.10	0.10	0.10
17.067	0.10	0.10	0.10	0.10	0.10
17.233	0.10	0.10	0.09	0.09	0.09
17.400	0.09	0.09	0.09	0.09	0.09
17.567	0.09	0.09	0.09	0.09	0.09
17.733	0.08	0.08	0.08	0.08	0.08
17.900	0.08	0.08	0.08	0.08	0.08
18.067	0.08	0.08	0.08	0.08	0.08
18.233	0.08	0.08	0.07	0.07	0.07
18.400	0.07	0.07	0.07	0.07	0.07
18.567	0.07	0.07	0.07	0.07	0.07
18.733	0.07	0.07	0.07	0.07	0.07
18.900	0.07	0.07	0.07	0.07	0.07
19.067	0.07	0.07	0.07	0.07	0.07
19.233	0.07	0.07	0.07	0.07	0.07
19.400	0.07	0.07	0.07	0.07	0.07
19.567	0.07	0.07	0.07	0.07	0.07
19.733	0.07	0.06	0.06	0.06	0.06
19.900	0.06	0.06	0.06	0.06	0.06
20.067	0.06	0.06	0.06	0.06	0.06
20.233	0.06	0.06	0.06	0.06	0.06
20.400	0.06	0.06	0.06	0.06	0.06
20.567	0.06	0.06	0.06	0.06	0.06
20.733	0.06	0.06	0.06	0.06	0.06
20.900	0.06	0.06	0.06	0.06	0.06
21.067	0.06	0.06	0.06	0.06	0.06

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: Site

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.233	0.06	0.06	0.06	0.06	0.06
21.400	0.06	0.06	0.06	0.06	0.05
21.567	0.05	0.05	0.05	0.05	0.05
21.733	0.05	0.05	0.05	0.05	0.05
21.900	0.05	0.05	0.05	0.05	0.05
22.067	0.05	0.05	0.05	0.05	0.05
22.233	0.05	0.05	0.05	0.05	0.05
22.400	0.05	0.05	0.05	0.05	0.05
22.567	0.05	0.05	0.05	0.05	0.05
22.733	0.05	0.05	0.05	0.05	0.05
22.900	0.05	0.05	0.05	0.05	0.05
23.067	0.05	0.05	0.05	0.05	0.05
23.233	0.05	0.05	0.05	0.05	0.05
23.400	0.05	0.05	0.05	0.04	0.04
23.567	0.04	0.04	0.04	0.04	0.04
23.733	0.04	0.04	0.04	0.04	0.04
23.900	0.04	0.04	0.04	0.04	0.04
24.067	0.02	0.01	0.00	0.00	0.00

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	5.01 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	4.98 ft ³ /s
Drainage Area	
SCS CN (Composite)	77.000
Area (User Defined)	1.410 acres
Maximum Retention (Pervious)	3.0 in
Maximum Retention (Pervious, 20 percent)	0.6 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.5 in
Runoff Volume (Pervious)	0.409 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.409 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 10 years

Label: Site

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.98 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Site

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Storm Event	TypeIII 24hr (6.0 in)
Return Event	10 years
Duration	80.000 hours
Depth	6.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.533	0.00	0.00	0.00	0.00	0.00
7.700	0.00	0.00	0.01	0.01	0.01
7.867	0.01	0.01	0.01	0.01	0.01
8.033	0.01	0.01	0.01	0.01	0.01
8.200	0.02	0.02	0.02	0.02	0.02
8.367	0.02	0.02	0.02	0.02	0.03
8.533	0.03	0.03	0.03	0.03	0.03
8.700	0.03	0.04	0.04	0.04	0.04
8.867	0.04	0.04	0.04	0.05	0.05
9.033	0.05	0.05	0.05	0.05	0.06
9.200	0.06	0.06	0.06	0.06	0.07
9.367	0.07	0.07	0.07	0.07	0.08
9.533	0.08	0.08	0.08	0.09	0.09
9.700	0.09	0.09	0.09	0.10	0.10
9.867	0.10	0.10	0.11	0.11	0.11
10.033	0.11	0.12	0.12	0.12	0.13
10.200	0.13	0.13	0.14	0.14	0.15
10.367	0.15	0.16	0.16	0.16	0.17
10.533	0.17	0.18	0.18	0.19	0.19
10.700	0.20	0.20	0.21	0.21	0.22
10.867	0.22	0.23	0.23	0.24	0.24
11.033	0.25	0.26	0.27	0.28	0.29
11.200	0.31	0.32	0.34	0.35	0.37
11.367	0.39	0.40	0.42	0.44	0.45
11.533	0.49	0.57	0.64	0.72	0.88
11.700	1.02	1.14	1.33	1.49	1.64
11.867	1.86	2.05	2.41	3.27	4.06
12.033	4.52	4.80	4.98	4.85	4.07
12.200	3.35	2.97	2.63	2.41	2.25
12.367	2.02	1.83	1.68	1.45	1.26
12.533	1.13	0.99	0.87	0.81	0.77
12.700	0.74	0.72	0.70	0.68	0.66

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Site

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.867	0.63	0.61	0.60	0.57	0.55
13.033	0.54	0.52	0.51	0.50	0.49
13.200	0.49	0.48	0.48	0.47	0.47
13.367	0.46	0.46	0.45	0.45	0.44
13.533	0.44	0.43	0.42	0.42	0.41
13.700	0.41	0.40	0.40	0.39	0.39
13.867	0.38	0.38	0.37	0.37	0.36
14.033	0.36	0.35	0.35	0.34	0.34
14.200	0.34	0.34	0.33	0.33	0.33
14.367	0.33	0.32	0.32	0.32	0.31
14.533	0.31	0.31	0.31	0.31	0.30
14.700	0.30	0.30	0.29	0.29	0.29
14.867	0.29	0.28	0.28	0.28	0.28
15.033	0.27	0.27	0.27	0.27	0.26
15.200	0.26	0.26	0.25	0.25	0.25
15.367	0.25	0.24	0.24	0.24	0.24
15.533	0.23	0.23	0.23	0.23	0.22
15.700	0.22	0.22	0.21	0.21	0.21
15.867	0.21	0.20	0.20	0.20	0.19
16.033	0.19	0.19	0.19	0.19	0.19
16.200	0.18	0.18	0.18	0.18	0.18
16.367	0.18	0.18	0.18	0.17	0.17
16.533	0.17	0.17	0.17	0.17	0.17
16.700	0.17	0.17	0.16	0.16	0.16
16.867	0.16	0.16	0.16	0.16	0.16
17.033	0.15	0.15	0.15	0.15	0.15
17.200	0.15	0.15	0.15	0.15	0.14
17.367	0.14	0.14	0.14	0.14	0.14
17.533	0.14	0.14	0.13	0.13	0.13
17.700	0.13	0.13	0.13	0.13	0.13
17.867	0.12	0.12	0.12	0.12	0.12
18.033	0.12	0.12	0.12	0.12	0.12
18.200	0.12	0.12	0.12	0.11	0.11
18.367	0.11	0.11	0.11	0.11	0.11
18.533	0.11	0.11	0.11	0.11	0.11
18.700	0.11	0.11	0.11	0.11	0.11
18.867	0.11	0.11	0.11	0.11	0.11
19.033	0.11	0.11	0.11	0.11	0.11
19.200	0.11	0.11	0.10	0.10	0.10
19.367	0.10	0.10	0.10	0.10	0.10
19.533	0.10	0.10	0.10	0.10	0.10
19.700	0.10	0.10	0.10	0.10	0.10

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: Site

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.867	0.10	0.10	0.10	0.10	0.10
20.033	0.10	0.10	0.10	0.10	0.10
20.200	0.10	0.10	0.09	0.09	0.09
20.367	0.09	0.09	0.09	0.09	0.09
20.533	0.09	0.09	0.09	0.09	0.09
20.700	0.09	0.09	0.09	0.09	0.09
20.867	0.09	0.09	0.09	0.09	0.09
21.033	0.09	0.09	0.09	0.09	0.09
21.200	0.09	0.09	0.09	0.09	0.09
21.367	0.09	0.09	0.09	0.08	0.08
21.533	0.08	0.08	0.08	0.08	0.08
21.700	0.08	0.08	0.08	0.08	0.08
21.867	0.08	0.08	0.08	0.08	0.08
22.033	0.08	0.08	0.08	0.08	0.08
22.200	0.08	0.08	0.08	0.08	0.08
22.367	0.08	0.08	0.08	0.08	0.08
22.533	0.08	0.08	0.08	0.08	0.08
22.700	0.07	0.07	0.07	0.07	0.07
22.867	0.07	0.07	0.07	0.07	0.07
23.033	0.07	0.07	0.07	0.07	0.07
23.200	0.07	0.07	0.07	0.07	0.07
23.367	0.07	0.07	0.07	0.07	0.07
23.533	0.07	0.07	0.07	0.07	0.07
23.700	0.07	0.07	0.07	0.07	0.07
23.867	0.06	0.06	0.06	0.06	0.06
24.033	0.06	0.04	0.02	0.01	0.00
24.200	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	6.12 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	6.09 ft ³ /s
Drainage Area	
SCS CN (Composite)	77.000
Area (User Defined)	1.410 acres
Maximum Retention (Pervious)	3.0 in
Maximum Retention (Pervious, 20 percent)	0.6 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.3 in
Runoff Volume (Pervious)	0.502 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.502 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 25 years

Label: Site

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.98 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Site

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Storm Event	TypeIII 24hr (6.9 in)
Return Event	25 years
Duration	80.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.933	0.00	0.00	0.00	0.00	0.00
7.100	0.00	0.00	0.01	0.01	0.01
7.267	0.01	0.01	0.01	0.01	0.01
7.433	0.01	0.01	0.01	0.01	0.01
7.600	0.02	0.02	0.02	0.02	0.02
7.767	0.02	0.02	0.02	0.02	0.02
7.933	0.03	0.03	0.03	0.03	0.03
8.100	0.03	0.03	0.03	0.03	0.04
8.267	0.04	0.04	0.04	0.04	0.04
8.433	0.04	0.05	0.05	0.05	0.05
8.600	0.05	0.06	0.06	0.06	0.06
8.767	0.06	0.07	0.07	0.07	0.07
8.933	0.07	0.08	0.08	0.08	0.08
9.100	0.08	0.09	0.09	0.09	0.09
9.267	0.10	0.10	0.10	0.10	0.11
9.433	0.11	0.11	0.11	0.12	0.12
9.600	0.12	0.13	0.13	0.13	0.13
9.767	0.14	0.14	0.14	0.15	0.15
9.933	0.15	0.16	0.16	0.16	0.17
10.100	0.17	0.17	0.18	0.18	0.19
10.267	0.19	0.20	0.20	0.21	0.21
10.433	0.22	0.23	0.23	0.24	0.24
10.600	0.25	0.25	0.26	0.27	0.27
10.767	0.28	0.28	0.29	0.30	0.30
10.933	0.31	0.32	0.32	0.33	0.34
11.100	0.36	0.37	0.39	0.41	0.42
11.267	0.44	0.46	0.48	0.50	0.52
11.433	0.54	0.57	0.59	0.63	0.73
11.600	0.82	0.92	1.12	1.30	1.45
11.767	1.69	1.89	2.07	2.33	2.57
11.933	3.01	4.06	5.03	5.57	5.89
12.100	6.09	5.91	4.95	4.07	3.59

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Site

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.267	3.18	2.91	2.71	2.43	2.20
12.433	2.02	1.74	1.51	1.36	1.18
12.600	1.05	0.97	0.92	0.89	0.86
12.767	0.83	0.81	0.79	0.76	0.74
12.933	0.72	0.69	0.66	0.65	0.62
13.100	0.61	0.60	0.59	0.58	0.58
13.267	0.57	0.56	0.56	0.55	0.54
13.433	0.54	0.53	0.53	0.52	0.51
13.600	0.51	0.50	0.49	0.49	0.48
13.767	0.47	0.47	0.46	0.45	0.45
13.933	0.44	0.44	0.43	0.42	0.42
14.100	0.41	0.41	0.41	0.40	0.40
14.267	0.40	0.39	0.39	0.39	0.38
14.433	0.38	0.38	0.37	0.37	0.37
14.600	0.37	0.36	0.36	0.36	0.35
14.767	0.35	0.35	0.34	0.34	0.34
14.933	0.33	0.33	0.33	0.33	0.32
15.100	0.32	0.32	0.31	0.31	0.31
15.267	0.30	0.30	0.30	0.29	0.29
15.433	0.29	0.28	0.28	0.28	0.27
15.600	0.27	0.27	0.26	0.26	0.26
15.767	0.25	0.25	0.25	0.24	0.24
15.933	0.24	0.23	0.23	0.23	0.23
16.100	0.22	0.22	0.22	0.22	0.22
16.267	0.22	0.21	0.21	0.21	0.21
16.433	0.21	0.21	0.21	0.21	0.20
16.600	0.20	0.20	0.20	0.20	0.20
16.767	0.19	0.19	0.19	0.19	0.19
16.933	0.19	0.19	0.18	0.18	0.18
17.100	0.18	0.18	0.18	0.18	0.17
17.267	0.17	0.17	0.17	0.17	0.17
17.433	0.17	0.16	0.16	0.16	0.16
17.600	0.16	0.16	0.16	0.16	0.15
17.767	0.15	0.15	0.15	0.15	0.15
17.933	0.15	0.14	0.14	0.14	0.14
18.100	0.14	0.14	0.14	0.14	0.14
18.267	0.14	0.14	0.14	0.14	0.13
18.433	0.13	0.13	0.13	0.13	0.13
18.600	0.13	0.13	0.13	0.13	0.13
18.767	0.13	0.13	0.13	0.13	0.13
18.933	0.13	0.13	0.13	0.13	0.13
19.100	0.13	0.13	0.13	0.12	0.12

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: Site

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.267	0.12	0.12	0.12	0.12	0.12
19.433	0.12	0.12	0.12	0.12	0.12
19.600	0.12	0.12	0.12	0.12	0.12
19.767	0.12	0.12	0.12	0.12	0.12
19.933	0.12	0.11	0.11	0.11	0.11
20.100	0.11	0.11	0.11	0.11	0.11
20.267	0.11	0.11	0.11	0.11	0.11
20.433	0.11	0.11	0.11	0.11	0.11
20.600	0.11	0.11	0.11	0.11	0.11
20.767	0.11	0.11	0.11	0.11	0.11
20.933	0.11	0.11	0.10	0.10	0.10
21.100	0.10	0.10	0.10	0.10	0.10
21.267	0.10	0.10	0.10	0.10	0.10
21.433	0.10	0.10	0.10	0.10	0.10
21.600	0.10	0.10	0.10	0.10	0.10
21.767	0.10	0.10	0.10	0.10	0.10
21.933	0.10	0.10	0.09	0.09	0.09
22.100	0.09	0.09	0.09	0.09	0.09
22.267	0.09	0.09	0.09	0.09	0.09
22.433	0.09	0.09	0.09	0.09	0.09
22.600	0.09	0.09	0.09	0.09	0.09
22.767	0.09	0.09	0.09	0.09	0.09
22.933	0.09	0.09	0.09	0.09	0.08
23.100	0.08	0.08	0.08	0.08	0.08
23.267	0.08	0.08	0.08	0.08	0.08
23.433	0.08	0.08	0.08	0.08	0.08
23.600	0.08	0.08	0.08	0.08	0.08
23.767	0.08	0.08	0.08	0.08	0.08
23.933	0.08	0.08	0.08	0.07	0.04
24.100	0.02	0.01	0.00	0.00	0.00

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Label: Site

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	7.48 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	7.46 ft ³ /s
Drainage Area	
SCS CN (Composite)	77.000
Area (User Defined)	1.410 acres
Maximum Retention (Pervious)	3.0 in
Maximum Retention (Pervious, 20 percent)	0.6 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	5.3 in
Runoff Volume (Pervious)	0.620 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.620 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 50 years

Label: Site

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.98 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Site

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Storm Event	TypeIII 24hr (8.0 in)
Return Event	50 years
Duration	80.000 hours
Depth	8.0 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.267	0.00	0.00	0.00	0.00	0.00
6.433	0.00	0.00	0.00	0.01	0.01
6.600	0.01	0.01	0.01	0.01	0.01
6.767	0.01	0.01	0.01	0.01	0.01
6.933	0.02	0.02	0.02	0.02	0.02
7.100	0.02	0.02	0.02	0.02	0.02
7.267	0.02	0.03	0.03	0.03	0.03
7.433	0.03	0.03	0.03	0.03	0.03
7.600	0.04	0.04	0.04	0.04	0.04
7.767	0.04	0.04	0.04	0.05	0.05
7.933	0.05	0.05	0.05	0.05	0.05
8.100	0.06	0.06	0.06	0.06	0.06
8.267	0.06	0.07	0.07	0.07	0.07
8.433	0.07	0.08	0.08	0.08	0.08
8.600	0.09	0.09	0.09	0.09	0.10
8.767	0.10	0.10	0.10	0.11	0.11
8.933	0.11	0.12	0.12	0.12	0.12
9.100	0.13	0.13	0.13	0.14	0.14
9.267	0.14	0.15	0.15	0.15	0.16
9.433	0.16	0.16	0.17	0.17	0.17
9.600	0.18	0.18	0.18	0.19	0.19
9.767	0.19	0.20	0.20	0.21	0.21
9.933	0.21	0.22	0.22	0.23	0.23
10.100	0.24	0.24	0.25	0.25	0.26
10.267	0.27	0.27	0.28	0.29	0.29
10.433	0.30	0.31	0.31	0.32	0.33
10.600	0.33	0.34	0.35	0.36	0.36
10.767	0.37	0.38	0.39	0.39	0.40
10.933	0.41	0.42	0.43	0.44	0.45
11.100	0.47	0.48	0.51	0.53	0.55
11.267	0.58	0.60	0.62	0.65	0.68
11.433	0.70	0.73	0.76	0.81	0.94

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Site

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.600	1.05	1.18	1.43	1.65	1.84
11.767	2.14	2.39	2.61	2.93	3.23
11.933	3.76	5.05	6.23	6.86	7.24
12.100	7.46	7.21	6.03	4.95	4.36
12.267	3.86	3.52	3.28	2.94	2.66
12.433	2.44	2.10	1.82	1.64	1.43
12.600	1.26	1.17	1.11	1.07	1.04
12.767	1.00	0.97	0.95	0.91	0.88
12.933	0.86	0.82	0.79	0.77	0.75
13.100	0.73	0.72	0.71	0.70	0.69
13.267	0.68	0.67	0.67	0.66	0.65
13.433	0.65	0.64	0.63	0.62	0.61
13.600	0.61	0.60	0.59	0.58	0.58
13.767	0.57	0.56	0.55	0.54	0.54
13.933	0.53	0.52	0.51	0.51	0.50
14.100	0.49	0.49	0.48	0.48	0.48
14.267	0.47	0.47	0.47	0.46	0.46
14.433	0.46	0.45	0.45	0.44	0.44
14.600	0.44	0.43	0.43	0.42	0.42
14.767	0.42	0.41	0.41	0.41	0.40
14.933	0.40	0.39	0.39	0.39	0.38
15.100	0.38	0.38	0.37	0.37	0.36
15.267	0.36	0.36	0.35	0.35	0.34
15.433	0.34	0.34	0.33	0.33	0.33
15.600	0.32	0.32	0.31	0.31	0.31
15.767	0.30	0.30	0.30	0.29	0.29
15.933	0.28	0.28	0.28	0.27	0.27
16.100	0.27	0.26	0.26	0.26	0.26
16.267	0.26	0.26	0.25	0.25	0.25
16.433	0.25	0.25	0.25	0.24	0.24
16.600	0.24	0.24	0.24	0.24	0.23
16.767	0.23	0.23	0.23	0.23	0.23
16.933	0.22	0.22	0.22	0.22	0.22
17.100	0.22	0.21	0.21	0.21	0.21
17.267	0.21	0.20	0.20	0.20	0.20
17.433	0.20	0.20	0.19	0.19	0.19
17.600	0.19	0.19	0.19	0.18	0.18
17.767	0.18	0.18	0.18	0.18	0.17
17.933	0.17	0.17	0.17	0.17	0.17
18.100	0.17	0.16	0.16	0.16	0.16
18.267	0.16	0.16	0.16	0.16	0.16
18.433	0.16	0.16	0.16	0.16	0.16

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: Site

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.600	0.16	0.16	0.16	0.16	0.16
18.767	0.15	0.15	0.15	0.15	0.15
18.933	0.15	0.15	0.15	0.15	0.15
19.100	0.15	0.15	0.15	0.15	0.15
19.267	0.15	0.15	0.15	0.15	0.15
19.433	0.14	0.14	0.14	0.14	0.14
19.600	0.14	0.14	0.14	0.14	0.14
19.767	0.14	0.14	0.14	0.14	0.14
19.933	0.14	0.14	0.14	0.14	0.13
20.100	0.13	0.13	0.13	0.13	0.13
20.267	0.13	0.13	0.13	0.13	0.13
20.433	0.13	0.13	0.13	0.13	0.13
20.600	0.13	0.13	0.13	0.13	0.13
20.767	0.13	0.13	0.13	0.13	0.13
20.933	0.12	0.12	0.12	0.12	0.12
21.100	0.12	0.12	0.12	0.12	0.12
21.267	0.12	0.12	0.12	0.12	0.12
21.433	0.12	0.12	0.12	0.12	0.12
21.600	0.12	0.12	0.12	0.12	0.12
21.767	0.12	0.12	0.12	0.11	0.11
21.933	0.11	0.11	0.11	0.11	0.11
22.100	0.11	0.11	0.11	0.11	0.11
22.267	0.11	0.11	0.11	0.11	0.11
22.433	0.11	0.11	0.11	0.11	0.11
22.600	0.11	0.11	0.11	0.10	0.10
22.767	0.10	0.10	0.10	0.10	0.10
22.933	0.10	0.10	0.10	0.10	0.10
23.100	0.10	0.10	0.10	0.10	0.10
23.267	0.10	0.10	0.10	0.10	0.10
23.433	0.10	0.10	0.10	0.09	0.09
23.600	0.09	0.09	0.09	0.09	0.09
23.767	0.09	0.09	0.09	0.09	0.09
23.933	0.09	0.09	0.09	0.08	0.05
24.100	0.02	0.01	0.00	0.00	0.00

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 100 years

Label: Site

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres
Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	7.98 ft ³ /s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	7.96 ft ³ /s
Drainage Area	
SCS CN (Composite)	77.000
Area (User Defined)	1.410 acres
Maximum Retention (Pervious)	3.0 in
Maximum Retention (Pervious, 20 percent)	0.6 in
Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	5.6 in
Runoff Volume (Pervious)	0.663 ac-ft
Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.663 ac-ft
SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.100 hours
Computational Time Increment	0.013 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

Post-Development Conditions

Subsection: Unit Hydrograph Summary

Return Event: 100 years

Label: Site

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

SCS Unit Hydrograph Parameters

Receding/Rising, Tr/Tp	1.670
Unit peak, qp	15.98 ft ³ /s
Unit peak time, Tp	0.067 hours
Unit receding limb, Tr	0.267 hours
Total unit time, Tb	0.333 hours

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Site

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Storm Event	TypeIII 24hr (8.4 in)
Return Event	100 years
Duration	80.000 hours
Depth	8.4 in
Time of Concentration (Composite)	0.100 hours
Area (User Defined)	1.410 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.067	0.00	0.00	0.00	0.00	0.00
6.233	0.00	0.00	0.01	0.01	0.01
6.400	0.01	0.01	0.01	0.01	0.01
6.567	0.01	0.01	0.01	0.01	0.01
6.733	0.02	0.02	0.02	0.02	0.02
6.900	0.02	0.02	0.02	0.02	0.02
7.067	0.02	0.03	0.03	0.03	0.03
7.233	0.03	0.03	0.03	0.03	0.03
7.400	0.04	0.04	0.04	0.04	0.04
7.567	0.04	0.04	0.04	0.05	0.05
7.733	0.05	0.05	0.05	0.05	0.05
7.900	0.06	0.06	0.06	0.06	0.06
8.067	0.06	0.06	0.07	0.07	0.07
8.233	0.07	0.08	0.08	0.08	0.08
8.400	0.08	0.09	0.09	0.09	0.09
8.567	0.10	0.10	0.10	0.11	0.11
8.733	0.11	0.11	0.12	0.12	0.12
8.900	0.13	0.13	0.13	0.13	0.14
9.067	0.14	0.14	0.15	0.15	0.15
9.233	0.16	0.16	0.16	0.17	0.17
9.400	0.17	0.18	0.18	0.19	0.19
9.567	0.19	0.20	0.20	0.20	0.21
9.733	0.21	0.22	0.22	0.22	0.23
9.900	0.23	0.24	0.24	0.25	0.25
10.067	0.26	0.26	0.27	0.27	0.28
10.233	0.29	0.29	0.30	0.31	0.31
10.400	0.32	0.33	0.34	0.34	0.35
10.567	0.36	0.37	0.37	0.38	0.39
10.733	0.40	0.41	0.41	0.42	0.43
10.900	0.44	0.45	0.46	0.47	0.48
11.067	0.49	0.51	0.53	0.55	0.58
11.233	0.60	0.63	0.66	0.68	0.71

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Site

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.400	0.74	0.76	0.79	0.82	0.88
11.567	1.02	1.14	1.28	1.55	1.79
11.733	1.99	2.30	2.57	2.81	3.15
11.900	3.46	4.03	5.41	6.67	7.34
12.067	7.73	7.96	7.69	6.43	5.26
12.233	4.64	4.10	3.74	3.49	3.12
12.400	2.82	2.59	2.23	1.93	1.74
12.567	1.51	1.34	1.24	1.18	1.13
12.733	1.10	1.06	1.03	1.01	0.97
12.900	0.94	0.91	0.87	0.84	0.82
13.067	0.79	0.77	0.76	0.75	0.74
13.233	0.73	0.72	0.72	0.71	0.70
13.400	0.69	0.68	0.67	0.67	0.66
13.567	0.65	0.64	0.64	0.63	0.62
13.733	0.61	0.60	0.59	0.59	0.58
13.900	0.57	0.56	0.55	0.54	0.54
14.067	0.53	0.52	0.52	0.51	0.51
14.233	0.51	0.50	0.50	0.49	0.49
14.400	0.49	0.48	0.48	0.47	0.47
14.567	0.47	0.46	0.46	0.45	0.45
14.733	0.45	0.44	0.44	0.43	0.43
14.900	0.43	0.42	0.42	0.41	0.41
15.067	0.41	0.40	0.40	0.39	0.39
15.233	0.39	0.38	0.38	0.37	0.37
15.400	0.37	0.36	0.36	0.35	0.35
15.567	0.34	0.34	0.34	0.33	0.33
15.733	0.32	0.32	0.32	0.31	0.31
15.900	0.30	0.30	0.30	0.29	0.29
16.067	0.29	0.28	0.28	0.28	0.28
16.233	0.27	0.27	0.27	0.27	0.27
16.400	0.26	0.26	0.26	0.26	0.26
16.567	0.26	0.25	0.25	0.25	0.25
16.733	0.25	0.25	0.24	0.24	0.24
16.900	0.24	0.24	0.23	0.23	0.23
17.067	0.23	0.23	0.23	0.22	0.22
17.233	0.22	0.22	0.22	0.22	0.21
17.400	0.21	0.21	0.21	0.21	0.20
17.567	0.20	0.20	0.20	0.20	0.20
17.733	0.19	0.19	0.19	0.19	0.19
17.900	0.18	0.18	0.18	0.18	0.18
18.067	0.18	0.17	0.17	0.17	0.17
18.233	0.17	0.17	0.17	0.17	0.17

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: Site

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.400	0.17	0.17	0.17	0.17	0.17
18.567	0.17	0.17	0.17	0.17	0.16
18.733	0.16	0.16	0.16	0.16	0.16
18.900	0.16	0.16	0.16	0.16	0.16
19.067	0.16	0.16	0.16	0.16	0.16
19.233	0.16	0.16	0.15	0.15	0.15
19.400	0.15	0.15	0.15	0.15	0.15
19.567	0.15	0.15	0.15	0.15	0.15
19.733	0.15	0.15	0.15	0.15	0.15
19.900	0.15	0.14	0.14	0.14	0.14
20.067	0.14	0.14	0.14	0.14	0.14
20.233	0.14	0.14	0.14	0.14	0.14
20.400	0.14	0.14	0.14	0.14	0.14
20.567	0.14	0.14	0.14	0.14	0.13
20.733	0.13	0.13	0.13	0.13	0.13
20.900	0.13	0.13	0.13	0.13	0.13
21.067	0.13	0.13	0.13	0.13	0.13
21.233	0.13	0.13	0.13	0.13	0.13
21.400	0.13	0.13	0.13	0.12	0.12
21.567	0.12	0.12	0.12	0.12	0.12
21.733	0.12	0.12	0.12	0.12	0.12
21.900	0.12	0.12	0.12	0.12	0.12
22.067	0.12	0.12	0.12	0.12	0.12
22.233	0.12	0.12	0.12	0.11	0.11
22.400	0.11	0.11	0.11	0.11	0.11
22.567	0.11	0.11	0.11	0.11	0.11
22.733	0.11	0.11	0.11	0.11	0.11
22.900	0.11	0.11	0.11	0.11	0.11
23.067	0.11	0.11	0.10	0.10	0.10
23.233	0.10	0.10	0.10	0.10	0.10
23.400	0.10	0.10	0.10	0.10	0.10
23.567	0.10	0.10	0.10	0.10	0.10
23.733	0.10	0.10	0.10	0.10	0.10
23.900	0.10	0.10	0.09	0.09	0.08
24.067	0.05	0.02	0.01	0.00	0.00
24.233	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Addition Summary

Label: POI

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Summary for Hydrograph Addition at 'POI'

Upstream Link	Upstream Node
Outlet	Detention Pond

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet	0.261	12.267	1.81
Flow (In)	POI	0.261	12.267	1.81

Post-Development Conditions

Subsection: Addition Summary

Label: POI

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Summary for Hydrograph Addition at 'POI'

Upstream Link	Upstream Node
Outlet	Detention Pond

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet	0.446	12.200	3.73
Flow (In)	POI	0.446	12.200	3.73

Post-Development Conditions

Subsection: Addition Summary

Label: POI

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Summary for Hydrograph Addition at 'POI'

Upstream Link	Upstream Node
Outlet	Detention Pond

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet	0.550	12.167	5.83
Flow (In)	POI	0.550	12.167	5.83

Post-Development Conditions

Subsection: Addition Summary

Label: POI

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Summary for Hydrograph Addition at 'POI'

Upstream Link	Upstream Node
Outlet	Detention Pond

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet	0.680	12.167	6.44
Flow (In)	POI	0.680	12.167	6.44

Post-Development Conditions

Subsection: Addition Summary

Label: POI

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Summary for Hydrograph Addition at 'POI'

Upstream Link	Upstream Node
Outlet	Detention Pond

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet	0.728	12.167	6.92
Flow (In)	POI	0.728	12.167	6.92

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	405.00	405.00	405.00	405.00	405.00
0.167	405.00	405.00	405.00	405.00	405.00
0.333	405.00	405.00	405.00	405.00	405.00
0.500	405.00	405.00	405.00	405.00	405.00
0.667	405.00	405.00	405.00	405.00	405.00
0.833	405.00	405.00	405.00	405.00	405.00
1.000	405.00	405.00	405.00	405.00	405.00
1.167	405.00	405.00	405.00	405.00	405.00
1.333	405.00	405.00	405.00	405.00	405.00
1.500	405.00	405.00	405.00	405.00	405.00
1.667	405.00	405.00	405.00	405.00	405.00
1.833	405.00	405.00	405.00	405.00	405.00
2.000	405.00	405.00	405.00	405.00	405.00
2.167	405.00	405.00	405.00	405.00	405.00
2.333	405.00	405.00	405.00	405.00	405.00
2.500	405.00	405.00	405.00	405.00	405.00
2.667	405.00	405.00	405.00	405.00	405.00
2.833	405.00	405.00	405.00	405.00	405.00
3.000	405.00	405.00	405.00	405.00	405.00
3.167	405.00	405.00	405.00	405.00	405.00
3.333	405.00	405.00	405.00	405.00	405.00
3.500	405.00	405.00	405.00	405.00	405.00
3.667	405.00	405.00	405.00	405.00	405.00
3.833	405.00	405.00	405.00	405.00	405.00
4.000	405.00	405.00	405.00	405.00	405.00
4.167	405.00	405.00	405.00	405.00	405.00
4.333	405.00	405.00	405.00	405.00	405.00
4.500	405.00	405.00	405.00	405.00	405.00
4.667	405.00	405.00	405.00	405.00	405.00
4.833	405.00	405.00	405.00	405.00	405.00
5.000	405.00	405.00	405.00	405.00	405.00
5.167	405.00	405.00	405.00	405.00	405.00
5.333	405.00	405.00	405.00	405.00	405.00
5.500	405.00	405.00	405.00	405.00	405.00
5.667	405.00	405.00	405.00	405.00	405.00
5.833	405.00	405.00	405.00	405.00	405.00
6.000	405.00	405.00	405.00	405.00	405.00
6.167	405.00	405.00	405.00	405.00	405.00
6.333	405.00	405.00	405.00	405.00	405.00
6.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
6.667	405.00	405.00	405.00	405.00	405.00
6.833	405.00	405.00	405.00	405.00	405.00
7.000	405.00	405.00	405.00	405.00	405.00
7.167	405.00	405.00	405.00	405.00	405.00
7.333	405.00	405.00	405.00	405.00	405.00
7.500	405.00	405.00	405.00	405.00	405.00
7.667	405.00	405.00	405.00	405.00	405.00
7.833	405.00	405.00	405.00	405.00	405.00
8.000	405.00	405.00	405.00	405.00	405.00
8.167	405.00	405.00	405.00	405.00	405.00
8.333	405.00	405.00	405.00	405.00	405.00
8.500	405.00	405.00	405.00	405.00	405.00
8.667	405.00	405.00	405.00	405.00	405.00
8.833	405.00	405.00	405.00	405.00	405.00
9.000	405.00	405.00	405.00	405.00	405.00
9.167	405.00	405.00	405.00	405.00	405.01
9.333	405.01	405.01	405.01	405.01	405.01
9.500	405.01	405.01	405.01	405.01	405.01
9.667	405.02	405.02	405.02	405.02	405.02
9.833	405.02	405.02	405.02	405.03	405.03
10.000	405.03	405.03	405.03	405.03	405.04
10.167	405.04	405.04	405.04	405.04	405.04
10.333	405.05	405.05	405.05	405.05	405.05
10.500	405.06	405.06	405.06	405.06	405.07
10.667	405.07	405.07	405.08	405.08	405.08
10.833	405.08	405.09	405.09	405.09	405.10
11.000	405.10	405.10	405.11	405.11	405.12
11.167	405.12	405.13	405.14	405.15	405.16
11.333	405.17	405.18	405.19	405.21	405.22
11.500	405.23	405.25	405.26	405.28	405.30
11.667	405.32	405.35	405.38	405.41	405.45
11.833	405.49	405.53	405.57	405.61	405.68
12.000	405.79	405.92	406.05	406.17	406.30
12.167	406.39	406.44	406.46	406.46	406.46
12.333	406.44	406.41	406.38	406.34	406.30
12.500	406.24	406.18	406.12	406.04	405.97
12.667	405.90	405.84	405.78	405.73	405.68
12.833	405.63	405.59	405.56	405.53	405.51
13.000	405.49	405.47	405.46	405.45	405.44
13.167	405.43	405.42	405.41	405.41	405.40
13.333	405.40	405.39	405.39	405.39	405.38

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
13.500	405.38	405.38	405.37	405.37	405.37
13.667	405.37	405.37	405.36	405.36	405.36
13.833	405.36	405.36	405.35	405.35	405.35
14.000	405.35	405.35	405.34	405.34	405.34
14.167	405.34	405.34	405.34	405.33	405.33
14.333	405.33	405.33	405.33	405.33	405.33
14.500	405.33	405.33	405.32	405.32	405.32
14.667	405.32	405.32	405.32	405.32	405.32
14.833	405.32	405.32	405.32	405.31	405.31
15.000	405.31	405.31	405.31	405.31	405.31
15.167	405.31	405.31	405.31	405.30	405.30
15.333	405.30	405.30	405.30	405.30	405.30
15.500	405.30	405.30	405.30	405.29	405.29
15.667	405.29	405.29	405.29	405.29	405.29
15.833	405.28	405.28	405.28	405.28	405.28
16.000	405.27	405.27	405.27	405.27	405.27
16.167	405.27	405.27	405.26	405.26	405.26
16.333	405.26	405.26	405.26	405.26	405.25
16.500	405.25	405.25	405.25	405.25	405.25
16.667	405.25	405.25	405.25	405.25	405.25
16.833	405.24	405.24	405.24	405.24	405.24
17.000	405.24	405.24	405.24	405.24	405.24
17.167	405.24	405.23	405.23	405.23	405.23
17.333	405.23	405.23	405.23	405.23	405.23
17.500	405.23	405.23	405.23	405.22	405.22
17.667	405.22	405.22	405.22	405.22	405.22
17.833	405.22	405.22	405.22	405.22	405.21
18.000	405.21	405.21	405.21	405.21	405.21
18.167	405.21	405.21	405.21	405.21	405.21
18.333	405.21	405.21	405.21	405.21	405.21
18.500	405.20	405.20	405.20	405.20	405.20
18.667	405.20	405.20	405.20	405.20	405.20
18.833	405.20	405.20	405.20	405.20	405.20
19.000	405.20	405.20	405.20	405.20	405.20
19.167	405.20	405.20	405.20	405.20	405.20
19.333	405.20	405.20	405.19	405.19	405.19
19.500	405.19	405.19	405.19	405.19	405.19
19.667	405.19	405.19	405.19	405.19	405.18
19.833	405.18	405.18	405.18	405.18	405.18
20.000	405.18	405.18	405.18	405.17	405.17
20.167	405.17	405.17	405.17	405.17	405.17

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
20.333	405.17	405.16	405.16	405.16	405.16
20.500	405.16	405.16	405.16	405.15	405.15
20.667	405.15	405.15	405.15	405.15	405.14
20.833	405.14	405.14	405.14	405.14	405.14
21.000	405.13	405.13	405.13	405.13	405.13
21.167	405.13	405.12	405.12	405.12	405.12
21.333	405.12	405.11	405.11	405.11	405.11
21.500	405.10	405.10	405.10	405.10	405.10
21.667	405.09	405.09	405.09	405.09	405.09
21.833	405.09	405.09	405.08	405.08	405.08
22.000	405.08	405.08	405.08	405.08	405.08
22.167	405.08	405.08	405.08	405.08	405.08
22.333	405.08	405.08	405.07	405.07	405.07
22.500	405.07	405.07	405.07	405.07	405.07
22.667	405.07	405.07	405.07	405.07	405.07
22.833	405.07	405.07	405.07	405.07	405.07
23.000	405.07	405.07	405.07	405.07	405.07
23.167	405.07	405.07	405.07	405.07	405.07
23.333	405.07	405.07	405.07	405.07	405.06
23.500	405.06	405.06	405.06	405.06	405.06
23.667	405.06	405.06	405.06	405.06	405.06
23.833	405.06	405.06	405.06	405.06	405.06
24.000	405.06	405.06	405.06	405.06	405.05
24.167	405.05	405.04	405.04	405.04	405.03
24.333	405.03	405.03	405.02	405.02	405.02
24.500	405.02	405.02	405.02	405.01	405.01
24.667	405.01	405.01	405.01	405.01	405.01
24.833	405.01	405.01	405.01	405.01	405.01
25.000	405.00	405.00	405.00	405.00	405.00
25.167	405.00	405.00	405.00	405.00	405.00
25.333	405.00	405.00	405.00	405.00	405.00
25.500	405.00	405.00	405.00	405.00	405.00
25.667	405.00	405.00	405.00	405.00	405.00
25.833	405.00	405.00	405.00	405.00	405.00
26.000	405.00	405.00	405.00	405.00	405.00
26.167	405.00	405.00	405.00	405.00	405.00
26.333	405.00	405.00	405.00	405.00	405.00
26.500	405.00	405.00	405.00	405.00	405.00
26.667	405.00	405.00	405.00	405.00	405.00
26.833	405.00	405.00	405.00	405.00	405.00
27.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
27.167	405.00	405.00	405.00	405.00	405.00
27.333	405.00	405.00	405.00	405.00	405.00
27.500	405.00	405.00	405.00	405.00	405.00
27.667	405.00	405.00	405.00	405.00	405.00
27.833	405.00	405.00	405.00	405.00	405.00
28.000	405.00	405.00	405.00	405.00	405.00
28.167	405.00	405.00	405.00	405.00	405.00
28.333	405.00	405.00	405.00	405.00	405.00
28.500	405.00	405.00	405.00	405.00	405.00
28.667	405.00	405.00	405.00	405.00	405.00
28.833	405.00	405.00	405.00	405.00	405.00
29.000	405.00	405.00	405.00	405.00	405.00
29.167	405.00	405.00	405.00	405.00	405.00
29.333	405.00	405.00	405.00	405.00	405.00
29.500	405.00	405.00	405.00	405.00	405.00
29.667	405.00	405.00	405.00	405.00	405.00
29.833	405.00	405.00	405.00	405.00	405.00
30.000	405.00	405.00	405.00	405.00	405.00
30.167	405.00	405.00	405.00	405.00	405.00
30.333	405.00	405.00	405.00	405.00	405.00
30.500	405.00	405.00	405.00	405.00	405.00
30.667	405.00	405.00	405.00	405.00	405.00
30.833	405.00	405.00	405.00	405.00	405.00
31.000	405.00	405.00	405.00	405.00	405.00
31.167	405.00	405.00	405.00	405.00	405.00
31.333	405.00	405.00	405.00	405.00	405.00
31.500	405.00	405.00	405.00	405.00	405.00
31.667	405.00	405.00	405.00	405.00	405.00
31.833	405.00	405.00	405.00	405.00	405.00
32.000	405.00	405.00	405.00	405.00	405.00
32.167	405.00	405.00	405.00	405.00	405.00
32.333	405.00	405.00	405.00	405.00	405.00
32.500	405.00	405.00	405.00	405.00	405.00
32.667	405.00	405.00	405.00	405.00	405.00
32.833	405.00	405.00	405.00	405.00	405.00
33.000	405.00	405.00	405.00	405.00	405.00
33.167	405.00	405.00	405.00	405.00	405.00
33.333	405.00	405.00	405.00	405.00	405.00
33.500	405.00	405.00	405.00	405.00	405.00
33.667	405.00	405.00	405.00	405.00	405.00
33.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
34.000	405.00	405.00	405.00	405.00	405.00
34.167	405.00	405.00	405.00	405.00	405.00
34.333	405.00	405.00	405.00	405.00	405.00
34.500	405.00	405.00	405.00	405.00	405.00
34.667	405.00	405.00	405.00	405.00	405.00
34.833	405.00	405.00	405.00	405.00	405.00
35.000	405.00	405.00	405.00	405.00	405.00
35.167	405.00	405.00	405.00	405.00	405.00
35.333	405.00	405.00	405.00	405.00	405.00
35.500	405.00	405.00	405.00	405.00	405.00
35.667	405.00	405.00	405.00	405.00	405.00
35.833	405.00	405.00	405.00	405.00	405.00
36.000	405.00	405.00	405.00	405.00	405.00
36.167	405.00	405.00	405.00	405.00	405.00
36.333	405.00	405.00	405.00	405.00	405.00
36.500	405.00	405.00	405.00	405.00	405.00
36.667	405.00	405.00	405.00	405.00	405.00
36.833	405.00	405.00	405.00	405.00	405.00
37.000	405.00	405.00	405.00	405.00	405.00
37.167	405.00	405.00	405.00	405.00	405.00
37.333	405.00	405.00	405.00	405.00	405.00
37.500	405.00	405.00	405.00	405.00	405.00
37.667	405.00	405.00	405.00	405.00	405.00
37.833	405.00	405.00	405.00	405.00	405.00
38.000	405.00	405.00	405.00	405.00	405.00
38.167	405.00	405.00	405.00	405.00	405.00
38.333	405.00	405.00	405.00	405.00	405.00
38.500	405.00	405.00	405.00	405.00	405.00
38.667	405.00	405.00	405.00	405.00	405.00
38.833	405.00	405.00	405.00	405.00	405.00
39.000	405.00	405.00	405.00	405.00	405.00
39.167	405.00	405.00	405.00	405.00	405.00
39.333	405.00	405.00	405.00	405.00	405.00
39.500	405.00	405.00	405.00	405.00	405.00
39.667	405.00	405.00	405.00	405.00	405.00
39.833	405.00	405.00	405.00	405.00	405.00
40.000	405.00	405.00	405.00	405.00	405.00
40.167	405.00	405.00	405.00	405.00	405.00
40.333	405.00	405.00	405.00	405.00	405.00
40.500	405.00	405.00	405.00	405.00	405.00
40.667	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
40.833	405.00	405.00	405.00	405.00	405.00
41.000	405.00	405.00	405.00	405.00	405.00
41.167	405.00	405.00	405.00	405.00	405.00
41.333	405.00	405.00	405.00	405.00	405.00
41.500	405.00	405.00	405.00	405.00	405.00
41.667	405.00	405.00	405.00	405.00	405.00
41.833	405.00	405.00	405.00	405.00	405.00
42.000	405.00	405.00	405.00	405.00	405.00
42.167	405.00	405.00	405.00	405.00	405.00
42.333	405.00	405.00	405.00	405.00	405.00
42.500	405.00	405.00	405.00	405.00	405.00
42.667	405.00	405.00	405.00	405.00	405.00
42.833	405.00	405.00	405.00	405.00	405.00
43.000	405.00	405.00	405.00	405.00	405.00
43.167	405.00	405.00	405.00	405.00	405.00
43.333	405.00	405.00	405.00	405.00	405.00
43.500	405.00	405.00	405.00	405.00	405.00
43.667	405.00	405.00	405.00	405.00	405.00
43.833	405.00	405.00	405.00	405.00	405.00
44.000	405.00	405.00	405.00	405.00	405.00
44.167	405.00	405.00	405.00	405.00	405.00
44.333	405.00	405.00	405.00	405.00	405.00
44.500	405.00	405.00	405.00	405.00	405.00
44.667	405.00	405.00	405.00	405.00	405.00
44.833	405.00	405.00	405.00	405.00	405.00
45.000	405.00	405.00	405.00	405.00	405.00
45.167	405.00	405.00	405.00	405.00	405.00
45.333	405.00	405.00	405.00	405.00	405.00
45.500	405.00	405.00	405.00	405.00	405.00
45.667	405.00	405.00	405.00	405.00	405.00
45.833	405.00	405.00	405.00	405.00	405.00
46.000	405.00	405.00	405.00	405.00	405.00
46.167	405.00	405.00	405.00	405.00	405.00
46.333	405.00	405.00	405.00	405.00	405.00
46.500	405.00	405.00	405.00	405.00	405.00
46.667	405.00	405.00	405.00	405.00	405.00
46.833	405.00	405.00	405.00	405.00	405.00
47.000	405.00	405.00	405.00	405.00	405.00
47.167	405.00	405.00	405.00	405.00	405.00
47.333	405.00	405.00	405.00	405.00	405.00
47.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
47.667	405.00	405.00	405.00	405.00	405.00
47.833	405.00	405.00	405.00	405.00	405.00
48.000	405.00	405.00	405.00	405.00	405.00
48.167	405.00	405.00	405.00	405.00	405.00
48.333	405.00	405.00	405.00	405.00	405.00
48.500	405.00	405.00	405.00	405.00	405.00
48.667	405.00	405.00	405.00	405.00	405.00
48.833	405.00	405.00	405.00	405.00	405.00
49.000	405.00	405.00	405.00	405.00	405.00
49.167	405.00	405.00	405.00	405.00	405.00
49.333	405.00	405.00	405.00	405.00	405.00
49.500	405.00	405.00	405.00	405.00	405.00
49.667	405.00	405.00	405.00	405.00	405.00
49.833	405.00	405.00	405.00	405.00	405.00
50.000	405.00	405.00	405.00	405.00	405.00
50.167	405.00	405.00	405.00	405.00	405.00
50.333	405.00	405.00	405.00	405.00	405.00
50.500	405.00	405.00	405.00	405.00	405.00
50.667	405.00	405.00	405.00	405.00	405.00
50.833	405.00	405.00	405.00	405.00	405.00
51.000	405.00	405.00	405.00	405.00	405.00
51.167	405.00	405.00	405.00	405.00	405.00
51.333	405.00	405.00	405.00	405.00	405.00
51.500	405.00	405.00	405.00	405.00	405.00
51.667	405.00	405.00	405.00	405.00	405.00
51.833	405.00	405.00	405.00	405.00	405.00
52.000	405.00	405.00	405.00	405.00	405.00
52.167	405.00	405.00	405.00	405.00	405.00
52.333	405.00	405.00	405.00	405.00	405.00
52.500	405.00	405.00	405.00	405.00	405.00
52.667	405.00	405.00	405.00	405.00	405.00
52.833	405.00	405.00	405.00	405.00	405.00
53.000	405.00	405.00	405.00	405.00	405.00
53.167	405.00	405.00	405.00	405.00	405.00
53.333	405.00	405.00	405.00	405.00	405.00
53.500	405.00	405.00	405.00	405.00	405.00
53.667	405.00	405.00	405.00	405.00	405.00
53.833	405.00	405.00	405.00	405.00	405.00
54.000	405.00	405.00	405.00	405.00	405.00
54.167	405.00	405.00	405.00	405.00	405.00
54.333	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
54.500	405.00	405.00	405.00	405.00	405.00
54.667	405.00	405.00	405.00	405.00	405.00
54.833	405.00	405.00	405.00	405.00	405.00
55.000	405.00	405.00	405.00	405.00	405.00
55.167	405.00	405.00	405.00	405.00	405.00
55.333	405.00	405.00	405.00	405.00	405.00
55.500	405.00	405.00	405.00	405.00	405.00
55.667	405.00	405.00	405.00	405.00	405.00
55.833	405.00	405.00	405.00	405.00	405.00
56.000	405.00	405.00	405.00	405.00	405.00
56.167	405.00	405.00	405.00	405.00	405.00
56.333	405.00	405.00	405.00	405.00	405.00
56.500	405.00	405.00	405.00	405.00	405.00
56.667	405.00	405.00	405.00	405.00	405.00
56.833	405.00	405.00	405.00	405.00	405.00
57.000	405.00	405.00	405.00	405.00	405.00
57.167	405.00	405.00	405.00	405.00	405.00
57.333	405.00	405.00	405.00	405.00	405.00
57.500	405.00	405.00	405.00	405.00	405.00
57.667	405.00	405.00	405.00	405.00	405.00
57.833	405.00	405.00	405.00	405.00	405.00
58.000	405.00	405.00	405.00	405.00	405.00
58.167	405.00	405.00	405.00	405.00	405.00
58.333	405.00	405.00	405.00	405.00	405.00
58.500	405.00	405.00	405.00	405.00	405.00
58.667	405.00	405.00	405.00	405.00	405.00
58.833	405.00	405.00	405.00	405.00	405.00
59.000	405.00	405.00	405.00	405.00	405.00
59.167	405.00	405.00	405.00	405.00	405.00
59.333	405.00	405.00	405.00	405.00	405.00
59.500	405.00	405.00	405.00	405.00	405.00
59.667	405.00	405.00	405.00	405.00	405.00
59.833	405.00	405.00	405.00	405.00	405.00
60.000	405.00	405.00	405.00	405.00	405.00
60.167	405.00	405.00	405.00	405.00	405.00
60.333	405.00	405.00	405.00	405.00	405.00
60.500	405.00	405.00	405.00	405.00	405.00
60.667	405.00	405.00	405.00	405.00	405.00
60.833	405.00	405.00	405.00	405.00	405.00
61.000	405.00	405.00	405.00	405.00	405.00
61.167	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
61.333	405.00	405.00	405.00	405.00	405.00
61.500	405.00	405.00	405.00	405.00	405.00
61.667	405.00	405.00	405.00	405.00	405.00
61.833	405.00	405.00	405.00	405.00	405.00
62.000	405.00	405.00	405.00	405.00	405.00
62.167	405.00	405.00	405.00	405.00	405.00
62.333	405.00	405.00	405.00	405.00	405.00
62.500	405.00	405.00	405.00	405.00	405.00
62.667	405.00	405.00	405.00	405.00	405.00
62.833	405.00	405.00	405.00	405.00	405.00
63.000	405.00	405.00	405.00	405.00	405.00
63.167	405.00	405.00	405.00	405.00	405.00
63.333	405.00	405.00	405.00	405.00	405.00
63.500	405.00	405.00	405.00	405.00	405.00
63.667	405.00	405.00	405.00	405.00	405.00
63.833	405.00	405.00	405.00	405.00	405.00
64.000	405.00	405.00	405.00	405.00	405.00
64.167	405.00	405.00	405.00	405.00	405.00
64.333	405.00	405.00	405.00	405.00	405.00
64.500	405.00	405.00	405.00	405.00	405.00
64.667	405.00	405.00	405.00	405.00	405.00
64.833	405.00	405.00	405.00	405.00	405.00
65.000	405.00	405.00	405.00	405.00	405.00
65.167	405.00	405.00	405.00	405.00	405.00
65.333	405.00	405.00	405.00	405.00	405.00
65.500	405.00	405.00	405.00	405.00	405.00
65.667	405.00	405.00	405.00	405.00	405.00
65.833	405.00	405.00	405.00	405.00	405.00
66.000	405.00	405.00	405.00	405.00	405.00
66.167	405.00	405.00	405.00	405.00	405.00
66.333	405.00	405.00	405.00	405.00	405.00
66.500	405.00	405.00	405.00	405.00	405.00
66.667	405.00	405.00	405.00	405.00	405.00
66.833	405.00	405.00	405.00	405.00	405.00
67.000	405.00	405.00	405.00	405.00	405.00
67.167	405.00	405.00	405.00	405.00	405.00
67.333	405.00	405.00	405.00	405.00	405.00
67.500	405.00	405.00	405.00	405.00	405.00
67.667	405.00	405.00	405.00	405.00	405.00
67.833	405.00	405.00	405.00	405.00	405.00
68.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
68.167	405.00	405.00	405.00	405.00	405.00
68.333	405.00	405.00	405.00	405.00	405.00
68.500	405.00	405.00	405.00	405.00	405.00
68.667	405.00	405.00	405.00	405.00	405.00
68.833	405.00	405.00	405.00	405.00	405.00
69.000	405.00	405.00	405.00	405.00	405.00
69.167	405.00	405.00	405.00	405.00	405.00
69.333	405.00	405.00	405.00	405.00	405.00
69.500	405.00	405.00	405.00	405.00	405.00
69.667	405.00	405.00	405.00	405.00	405.00
69.833	405.00	405.00	405.00	405.00	405.00
70.000	405.00	405.00	405.00	405.00	405.00
70.167	405.00	405.00	405.00	405.00	405.00
70.333	405.00	405.00	405.00	405.00	405.00
70.500	405.00	405.00	405.00	405.00	405.00
70.667	405.00	405.00	405.00	405.00	405.00
70.833	405.00	405.00	405.00	405.00	405.00
71.000	405.00	405.00	405.00	405.00	405.00
71.167	405.00	405.00	405.00	405.00	405.00
71.333	405.00	405.00	405.00	405.00	405.00
71.500	405.00	405.00	405.00	405.00	405.00
71.667	405.00	405.00	405.00	405.00	405.00
71.833	405.00	405.00	405.00	405.00	405.00
72.000	405.00	405.00	405.00	405.00	405.00
72.167	405.00	405.00	405.00	405.00	405.00
72.333	405.00	405.00	405.00	405.00	405.00
72.500	405.00	405.00	405.00	405.00	405.00
72.667	405.00	405.00	405.00	405.00	405.00
72.833	405.00	405.00	405.00	405.00	405.00
73.000	405.00	405.00	405.00	405.00	405.00
73.167	405.00	405.00	405.00	405.00	405.00
73.333	405.00	405.00	405.00	405.00	405.00
73.500	405.00	405.00	405.00	405.00	405.00
73.667	405.00	405.00	405.00	405.00	405.00
73.833	405.00	405.00	405.00	405.00	405.00
74.000	405.00	405.00	405.00	405.00	405.00
74.167	405.00	405.00	405.00	405.00	405.00
74.333	405.00	405.00	405.00	405.00	405.00
74.500	405.00	405.00	405.00	405.00	405.00
74.667	405.00	405.00	405.00	405.00	405.00
74.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
75.000	405.00	405.00	405.00	405.00	405.00
75.167	405.00	405.00	405.00	405.00	405.00
75.333	405.00	405.00	405.00	405.00	405.00
75.500	405.00	405.00	405.00	405.00	405.00
75.667	405.00	405.00	405.00	405.00	405.00
75.833	405.00	405.00	405.00	405.00	405.00
76.000	405.00	405.00	405.00	405.00	405.00
76.167	405.00	405.00	405.00	405.00	405.00
76.333	405.00	405.00	405.00	405.00	405.00
76.500	405.00	405.00	405.00	405.00	405.00
76.667	405.00	405.00	405.00	405.00	405.00
76.833	405.00	405.00	405.00	405.00	405.00
77.000	405.00	405.00	405.00	405.00	405.00
77.167	405.00	405.00	405.00	405.00	405.00
77.333	405.00	405.00	405.00	405.00	405.00
77.500	405.00	405.00	405.00	405.00	405.00
77.667	405.00	405.00	405.00	405.00	405.00
77.833	405.00	405.00	405.00	405.00	405.00
78.000	405.00	405.00	405.00	405.00	405.00
78.167	405.00	405.00	405.00	405.00	405.00
78.333	405.00	405.00	405.00	405.00	405.00
78.500	405.00	405.00	405.00	405.00	405.00
78.667	405.00	405.00	405.00	405.00	405.00
78.833	405.00	405.00	405.00	405.00	405.00
79.000	405.00	405.00	405.00	405.00	405.00
79.167	405.00	405.00	405.00	405.00	405.00
79.333	405.00	405.00	405.00	405.00	405.00
79.500	405.00	405.00	405.00	405.00	405.00
79.667	405.00	405.00	405.00	405.00	405.00
79.833	405.00	405.00	405.00	405.00	405.00
80.000	405.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	405.00	405.00	405.00	405.00	405.00
0.167	405.00	405.00	405.00	405.00	405.00
0.333	405.00	405.00	405.00	405.00	405.00
0.500	405.00	405.00	405.00	405.00	405.00
0.667	405.00	405.00	405.00	405.00	405.00
0.833	405.00	405.00	405.00	405.00	405.00
1.000	405.00	405.00	405.00	405.00	405.00
1.167	405.00	405.00	405.00	405.00	405.00
1.333	405.00	405.00	405.00	405.00	405.00
1.500	405.00	405.00	405.00	405.00	405.00
1.667	405.00	405.00	405.00	405.00	405.00
1.833	405.00	405.00	405.00	405.00	405.00
2.000	405.00	405.00	405.00	405.00	405.00
2.167	405.00	405.00	405.00	405.00	405.00
2.333	405.00	405.00	405.00	405.00	405.00
2.500	405.00	405.00	405.00	405.00	405.00
2.667	405.00	405.00	405.00	405.00	405.00
2.833	405.00	405.00	405.00	405.00	405.00
3.000	405.00	405.00	405.00	405.00	405.00
3.167	405.00	405.00	405.00	405.00	405.00
3.333	405.00	405.00	405.00	405.00	405.00
3.500	405.00	405.00	405.00	405.00	405.00
3.667	405.00	405.00	405.00	405.00	405.00
3.833	405.00	405.00	405.00	405.00	405.00
4.000	405.00	405.00	405.00	405.00	405.00
4.167	405.00	405.00	405.00	405.00	405.00
4.333	405.00	405.00	405.00	405.00	405.00
4.500	405.00	405.00	405.00	405.00	405.00
4.667	405.00	405.00	405.00	405.00	405.00
4.833	405.00	405.00	405.00	405.00	405.00
5.000	405.00	405.00	405.00	405.00	405.00
5.167	405.00	405.00	405.00	405.00	405.00
5.333	405.00	405.00	405.00	405.00	405.00
5.500	405.00	405.00	405.00	405.00	405.00
5.667	405.00	405.00	405.00	405.00	405.00
5.833	405.00	405.00	405.00	405.00	405.00
6.000	405.00	405.00	405.00	405.00	405.00
6.167	405.00	405.00	405.00	405.00	405.00
6.333	405.00	405.00	405.00	405.00	405.00
6.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
6.667	405.00	405.00	405.00	405.00	405.00
6.833	405.00	405.00	405.00	405.00	405.00
7.000	405.00	405.00	405.00	405.00	405.00
7.167	405.00	405.00	405.00	405.00	405.00
7.333	405.00	405.00	405.00	405.00	405.00
7.500	405.00	405.00	405.00	405.00	405.00
7.667	405.00	405.00	405.00	405.00	405.00
7.833	405.00	405.00	405.00	405.00	405.01
8.000	405.01	405.01	405.01	405.01	405.01
8.167	405.01	405.01	405.01	405.01	405.01
8.333	405.01	405.02	405.02	405.02	405.02
8.500	405.02	405.02	405.02	405.02	405.02
8.667	405.03	405.03	405.03	405.03	405.03
8.833	405.03	405.03	405.04	405.04	405.04
9.000	405.04	405.04	405.05	405.05	405.05
9.167	405.05	405.05	405.05	405.06	405.06
9.333	405.06	405.06	405.07	405.07	405.07
9.500	405.07	405.07	405.08	405.08	405.08
9.667	405.08	405.09	405.09	405.09	405.09
9.833	405.10	405.10	405.10	405.11	405.11
10.000	405.11	405.12	405.12	405.13	405.13
10.167	405.14	405.14	405.15	405.16	405.17
10.333	405.17	405.18	405.19	405.20	405.21
10.500	405.22	405.23	405.23	405.24	405.25
10.667	405.26	405.26	405.27	405.28	405.28
10.833	405.29	405.30	405.30	405.31	405.31
11.000	405.32	405.32	405.33	405.33	405.34
11.167	405.34	405.35	405.35	405.36	405.37
11.333	405.37	405.38	405.39	405.40	405.41
11.500	405.41	405.42	405.44	405.46	405.48
11.667	405.51	405.54	405.58	405.63	405.68
11.833	405.74	405.81	405.89	405.99	406.12
12.000	406.31	406.52	406.74	406.96	407.15
12.167	407.28	407.31	407.30	407.28	407.26
12.333	407.24	407.22	407.20	407.18	407.15
12.500	407.10	407.05	406.99	406.92	406.85
12.667	406.77	406.69	406.62	406.54	406.46
12.833	406.39	406.31	406.24	406.17	406.09
13.000	406.02	405.95	405.89	405.83	405.78
13.167	405.73	405.69	405.65	405.61	405.58
13.333	405.55	405.54	405.52	405.51	405.50

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
13.500	405.49	405.49	405.48	405.47	405.47
13.667	405.46	405.46	405.46	405.45	405.45
13.833	405.44	405.44	405.44	405.43	405.43
14.000	405.43	405.43	405.42	405.42	405.42
14.167	405.41	405.41	405.41	405.41	405.41
14.333	405.40	405.40	405.40	405.40	405.40
14.500	405.40	405.39	405.39	405.39	405.39
14.667	405.39	405.39	405.38	405.38	405.38
14.833	405.38	405.38	405.38	405.38	405.37
15.000	405.37	405.37	405.37	405.37	405.37
15.167	405.36	405.36	405.36	405.36	405.36
15.333	405.36	405.36	405.35	405.35	405.35
15.500	405.35	405.35	405.35	405.34	405.34
15.667	405.34	405.34	405.34	405.34	405.34
15.833	405.33	405.33	405.33	405.33	405.33
16.000	405.33	405.32	405.32	405.32	405.32
16.167	405.32	405.32	405.32	405.32	405.32
16.333	405.31	405.31	405.31	405.31	405.31
16.500	405.31	405.31	405.31	405.31	405.31
16.667	405.31	405.31	405.31	405.30	405.30
16.833	405.30	405.30	405.30	405.30	405.30
17.000	405.30	405.30	405.30	405.30	405.30
17.167	405.30	405.29	405.29	405.29	405.29
17.333	405.29	405.29	405.29	405.29	405.29
17.500	405.28	405.28	405.28	405.28	405.28
17.667	405.28	405.28	405.28	405.27	405.27
17.833	405.27	405.27	405.27	405.27	405.27
18.000	405.27	405.26	405.26	405.26	405.26
18.167	405.26	405.26	405.26	405.26	405.26
18.333	405.25	405.25	405.25	405.25	405.25
18.500	405.25	405.25	405.25	405.25	405.25
18.667	405.25	405.25	405.25	405.25	405.25
18.833	405.25	405.25	405.24	405.24	405.24
19.000	405.24	405.24	405.24	405.24	405.24
19.167	405.24	405.24	405.24	405.24	405.24
19.333	405.24	405.24	405.24	405.24	405.24
19.500	405.24	405.24	405.24	405.24	405.24
19.667	405.24	405.23	405.23	405.23	405.23
19.833	405.23	405.23	405.23	405.23	405.23
20.000	405.23	405.23	405.23	405.23	405.23
20.167	405.23	405.23	405.23	405.23	405.23

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
20.333	405.23	405.23	405.23	405.23	405.23
20.500	405.23	405.23	405.23	405.22	405.22
20.667	405.22	405.22	405.22	405.22	405.22
20.833	405.22	405.22	405.22	405.22	405.22
21.000	405.22	405.22	405.22	405.22	405.22
21.167	405.22	405.22	405.22	405.22	405.22
21.333	405.22	405.22	405.22	405.22	405.22
21.500	405.22	405.22	405.22	405.22	405.22
21.667	405.22	405.21	405.21	405.21	405.21
21.833	405.21	405.21	405.21	405.21	405.21
22.000	405.21	405.21	405.21	405.21	405.21
22.167	405.21	405.21	405.21	405.21	405.21
22.333	405.21	405.21	405.21	405.21	405.21
22.500	405.21	405.21	405.21	405.21	405.21
22.667	405.21	405.21	405.21	405.21	405.20
22.833	405.20	405.20	405.20	405.20	405.20
23.000	405.20	405.20	405.20	405.20	405.20
23.167	405.20	405.20	405.20	405.20	405.20
23.333	405.20	405.20	405.20	405.20	405.20
23.500	405.20	405.20	405.20	405.20	405.20
23.667	405.20	405.19	405.19	405.19	405.19
23.833	405.19	405.19	405.19	405.19	405.19
24.000	405.19	405.19	405.18	405.18	405.17
24.167	405.16	405.15	405.14	405.13	405.13
24.333	405.12	405.11	405.10	405.09	405.08
24.500	405.07	405.07	405.06	405.06	405.05
24.667	405.05	405.04	405.04	405.04	405.03
24.833	405.03	405.03	405.02	405.02	405.02
25.000	405.02	405.02	405.02	405.01	405.01
25.167	405.01	405.01	405.01	405.01	405.01
25.333	405.01	405.01	405.01	405.01	405.00
25.500	405.00	405.00	405.00	405.00	405.00
25.667	405.00	405.00	405.00	405.00	405.00
25.833	405.00	405.00	405.00	405.00	405.00
26.000	405.00	405.00	405.00	405.00	405.00
26.167	405.00	405.00	405.00	405.00	405.00
26.333	405.00	405.00	405.00	405.00	405.00
26.500	405.00	405.00	405.00	405.00	405.00
26.667	405.00	405.00	405.00	405.00	405.00
26.833	405.00	405.00	405.00	405.00	405.00
27.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
27.167	405.00	405.00	405.00	405.00	405.00
27.333	405.00	405.00	405.00	405.00	405.00
27.500	405.00	405.00	405.00	405.00	405.00
27.667	405.00	405.00	405.00	405.00	405.00
27.833	405.00	405.00	405.00	405.00	405.00
28.000	405.00	405.00	405.00	405.00	405.00
28.167	405.00	405.00	405.00	405.00	405.00
28.333	405.00	405.00	405.00	405.00	405.00
28.500	405.00	405.00	405.00	405.00	405.00
28.667	405.00	405.00	405.00	405.00	405.00
28.833	405.00	405.00	405.00	405.00	405.00
29.000	405.00	405.00	405.00	405.00	405.00
29.167	405.00	405.00	405.00	405.00	405.00
29.333	405.00	405.00	405.00	405.00	405.00
29.500	405.00	405.00	405.00	405.00	405.00
29.667	405.00	405.00	405.00	405.00	405.00
29.833	405.00	405.00	405.00	405.00	405.00
30.000	405.00	405.00	405.00	405.00	405.00
30.167	405.00	405.00	405.00	405.00	405.00
30.333	405.00	405.00	405.00	405.00	405.00
30.500	405.00	405.00	405.00	405.00	405.00
30.667	405.00	405.00	405.00	405.00	405.00
30.833	405.00	405.00	405.00	405.00	405.00
31.000	405.00	405.00	405.00	405.00	405.00
31.167	405.00	405.00	405.00	405.00	405.00
31.333	405.00	405.00	405.00	405.00	405.00
31.500	405.00	405.00	405.00	405.00	405.00
31.667	405.00	405.00	405.00	405.00	405.00
31.833	405.00	405.00	405.00	405.00	405.00
32.000	405.00	405.00	405.00	405.00	405.00
32.167	405.00	405.00	405.00	405.00	405.00
32.333	405.00	405.00	405.00	405.00	405.00
32.500	405.00	405.00	405.00	405.00	405.00
32.667	405.00	405.00	405.00	405.00	405.00
32.833	405.00	405.00	405.00	405.00	405.00
33.000	405.00	405.00	405.00	405.00	405.00
33.167	405.00	405.00	405.00	405.00	405.00
33.333	405.00	405.00	405.00	405.00	405.00
33.500	405.00	405.00	405.00	405.00	405.00
33.667	405.00	405.00	405.00	405.00	405.00
33.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
34.000	405.00	405.00	405.00	405.00	405.00
34.167	405.00	405.00	405.00	405.00	405.00
34.333	405.00	405.00	405.00	405.00	405.00
34.500	405.00	405.00	405.00	405.00	405.00
34.667	405.00	405.00	405.00	405.00	405.00
34.833	405.00	405.00	405.00	405.00	405.00
35.000	405.00	405.00	405.00	405.00	405.00
35.167	405.00	405.00	405.00	405.00	405.00
35.333	405.00	405.00	405.00	405.00	405.00
35.500	405.00	405.00	405.00	405.00	405.00
35.667	405.00	405.00	405.00	405.00	405.00
35.833	405.00	405.00	405.00	405.00	405.00
36.000	405.00	405.00	405.00	405.00	405.00
36.167	405.00	405.00	405.00	405.00	405.00
36.333	405.00	405.00	405.00	405.00	405.00
36.500	405.00	405.00	405.00	405.00	405.00
36.667	405.00	405.00	405.00	405.00	405.00
36.833	405.00	405.00	405.00	405.00	405.00
37.000	405.00	405.00	405.00	405.00	405.00
37.167	405.00	405.00	405.00	405.00	405.00
37.333	405.00	405.00	405.00	405.00	405.00
37.500	405.00	405.00	405.00	405.00	405.00
37.667	405.00	405.00	405.00	405.00	405.00
37.833	405.00	405.00	405.00	405.00	405.00
38.000	405.00	405.00	405.00	405.00	405.00
38.167	405.00	405.00	405.00	405.00	405.00
38.333	405.00	405.00	405.00	405.00	405.00
38.500	405.00	405.00	405.00	405.00	405.00
38.667	405.00	405.00	405.00	405.00	405.00
38.833	405.00	405.00	405.00	405.00	405.00
39.000	405.00	405.00	405.00	405.00	405.00
39.167	405.00	405.00	405.00	405.00	405.00
39.333	405.00	405.00	405.00	405.00	405.00
39.500	405.00	405.00	405.00	405.00	405.00
39.667	405.00	405.00	405.00	405.00	405.00
39.833	405.00	405.00	405.00	405.00	405.00
40.000	405.00	405.00	405.00	405.00	405.00
40.167	405.00	405.00	405.00	405.00	405.00
40.333	405.00	405.00	405.00	405.00	405.00
40.500	405.00	405.00	405.00	405.00	405.00
40.667	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
40.833	405.00	405.00	405.00	405.00	405.00
41.000	405.00	405.00	405.00	405.00	405.00
41.167	405.00	405.00	405.00	405.00	405.00
41.333	405.00	405.00	405.00	405.00	405.00
41.500	405.00	405.00	405.00	405.00	405.00
41.667	405.00	405.00	405.00	405.00	405.00
41.833	405.00	405.00	405.00	405.00	405.00
42.000	405.00	405.00	405.00	405.00	405.00
42.167	405.00	405.00	405.00	405.00	405.00
42.333	405.00	405.00	405.00	405.00	405.00
42.500	405.00	405.00	405.00	405.00	405.00
42.667	405.00	405.00	405.00	405.00	405.00
42.833	405.00	405.00	405.00	405.00	405.00
43.000	405.00	405.00	405.00	405.00	405.00
43.167	405.00	405.00	405.00	405.00	405.00
43.333	405.00	405.00	405.00	405.00	405.00
43.500	405.00	405.00	405.00	405.00	405.00
43.667	405.00	405.00	405.00	405.00	405.00
43.833	405.00	405.00	405.00	405.00	405.00
44.000	405.00	405.00	405.00	405.00	405.00
44.167	405.00	405.00	405.00	405.00	405.00
44.333	405.00	405.00	405.00	405.00	405.00
44.500	405.00	405.00	405.00	405.00	405.00
44.667	405.00	405.00	405.00	405.00	405.00
44.833	405.00	405.00	405.00	405.00	405.00
45.000	405.00	405.00	405.00	405.00	405.00
45.167	405.00	405.00	405.00	405.00	405.00
45.333	405.00	405.00	405.00	405.00	405.00
45.500	405.00	405.00	405.00	405.00	405.00
45.667	405.00	405.00	405.00	405.00	405.00
45.833	405.00	405.00	405.00	405.00	405.00
46.000	405.00	405.00	405.00	405.00	405.00
46.167	405.00	405.00	405.00	405.00	405.00
46.333	405.00	405.00	405.00	405.00	405.00
46.500	405.00	405.00	405.00	405.00	405.00
46.667	405.00	405.00	405.00	405.00	405.00
46.833	405.00	405.00	405.00	405.00	405.00
47.000	405.00	405.00	405.00	405.00	405.00
47.167	405.00	405.00	405.00	405.00	405.00
47.333	405.00	405.00	405.00	405.00	405.00
47.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
47.667	405.00	405.00	405.00	405.00	405.00
47.833	405.00	405.00	405.00	405.00	405.00
48.000	405.00	405.00	405.00	405.00	405.00
48.167	405.00	405.00	405.00	405.00	405.00
48.333	405.00	405.00	405.00	405.00	405.00
48.500	405.00	405.00	405.00	405.00	405.00
48.667	405.00	405.00	405.00	405.00	405.00
48.833	405.00	405.00	405.00	405.00	405.00
49.000	405.00	405.00	405.00	405.00	405.00
49.167	405.00	405.00	405.00	405.00	405.00
49.333	405.00	405.00	405.00	405.00	405.00
49.500	405.00	405.00	405.00	405.00	405.00
49.667	405.00	405.00	405.00	405.00	405.00
49.833	405.00	405.00	405.00	405.00	405.00
50.000	405.00	405.00	405.00	405.00	405.00
50.167	405.00	405.00	405.00	405.00	405.00
50.333	405.00	405.00	405.00	405.00	405.00
50.500	405.00	405.00	405.00	405.00	405.00
50.667	405.00	405.00	405.00	405.00	405.00
50.833	405.00	405.00	405.00	405.00	405.00
51.000	405.00	405.00	405.00	405.00	405.00
51.167	405.00	405.00	405.00	405.00	405.00
51.333	405.00	405.00	405.00	405.00	405.00
51.500	405.00	405.00	405.00	405.00	405.00
51.667	405.00	405.00	405.00	405.00	405.00
51.833	405.00	405.00	405.00	405.00	405.00
52.000	405.00	405.00	405.00	405.00	405.00
52.167	405.00	405.00	405.00	405.00	405.00
52.333	405.00	405.00	405.00	405.00	405.00
52.500	405.00	405.00	405.00	405.00	405.00
52.667	405.00	405.00	405.00	405.00	405.00
52.833	405.00	405.00	405.00	405.00	405.00
53.000	405.00	405.00	405.00	405.00	405.00
53.167	405.00	405.00	405.00	405.00	405.00
53.333	405.00	405.00	405.00	405.00	405.00
53.500	405.00	405.00	405.00	405.00	405.00
53.667	405.00	405.00	405.00	405.00	405.00
53.833	405.00	405.00	405.00	405.00	405.00
54.000	405.00	405.00	405.00	405.00	405.00
54.167	405.00	405.00	405.00	405.00	405.00
54.333	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
54.500	405.00	405.00	405.00	405.00	405.00
54.667	405.00	405.00	405.00	405.00	405.00
54.833	405.00	405.00	405.00	405.00	405.00
55.000	405.00	405.00	405.00	405.00	405.00
55.167	405.00	405.00	405.00	405.00	405.00
55.333	405.00	405.00	405.00	405.00	405.00
55.500	405.00	405.00	405.00	405.00	405.00
55.667	405.00	405.00	405.00	405.00	405.00
55.833	405.00	405.00	405.00	405.00	405.00
56.000	405.00	405.00	405.00	405.00	405.00
56.167	405.00	405.00	405.00	405.00	405.00
56.333	405.00	405.00	405.00	405.00	405.00
56.500	405.00	405.00	405.00	405.00	405.00
56.667	405.00	405.00	405.00	405.00	405.00
56.833	405.00	405.00	405.00	405.00	405.00
57.000	405.00	405.00	405.00	405.00	405.00
57.167	405.00	405.00	405.00	405.00	405.00
57.333	405.00	405.00	405.00	405.00	405.00
57.500	405.00	405.00	405.00	405.00	405.00
57.667	405.00	405.00	405.00	405.00	405.00
57.833	405.00	405.00	405.00	405.00	405.00
58.000	405.00	405.00	405.00	405.00	405.00
58.167	405.00	405.00	405.00	405.00	405.00
58.333	405.00	405.00	405.00	405.00	405.00
58.500	405.00	405.00	405.00	405.00	405.00
58.667	405.00	405.00	405.00	405.00	405.00
58.833	405.00	405.00	405.00	405.00	405.00
59.000	405.00	405.00	405.00	405.00	405.00
59.167	405.00	405.00	405.00	405.00	405.00
59.333	405.00	405.00	405.00	405.00	405.00
59.500	405.00	405.00	405.00	405.00	405.00
59.667	405.00	405.00	405.00	405.00	405.00
59.833	405.00	405.00	405.00	405.00	405.00
60.000	405.00	405.00	405.00	405.00	405.00
60.167	405.00	405.00	405.00	405.00	405.00
60.333	405.00	405.00	405.00	405.00	405.00
60.500	405.00	405.00	405.00	405.00	405.00
60.667	405.00	405.00	405.00	405.00	405.00
60.833	405.00	405.00	405.00	405.00	405.00
61.000	405.00	405.00	405.00	405.00	405.00
61.167	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
61.333	405.00	405.00	405.00	405.00	405.00
61.500	405.00	405.00	405.00	405.00	405.00
61.667	405.00	405.00	405.00	405.00	405.00
61.833	405.00	405.00	405.00	405.00	405.00
62.000	405.00	405.00	405.00	405.00	405.00
62.167	405.00	405.00	405.00	405.00	405.00
62.333	405.00	405.00	405.00	405.00	405.00
62.500	405.00	405.00	405.00	405.00	405.00
62.667	405.00	405.00	405.00	405.00	405.00
62.833	405.00	405.00	405.00	405.00	405.00
63.000	405.00	405.00	405.00	405.00	405.00
63.167	405.00	405.00	405.00	405.00	405.00
63.333	405.00	405.00	405.00	405.00	405.00
63.500	405.00	405.00	405.00	405.00	405.00
63.667	405.00	405.00	405.00	405.00	405.00
63.833	405.00	405.00	405.00	405.00	405.00
64.000	405.00	405.00	405.00	405.00	405.00
64.167	405.00	405.00	405.00	405.00	405.00
64.333	405.00	405.00	405.00	405.00	405.00
64.500	405.00	405.00	405.00	405.00	405.00
64.667	405.00	405.00	405.00	405.00	405.00
64.833	405.00	405.00	405.00	405.00	405.00
65.000	405.00	405.00	405.00	405.00	405.00
65.167	405.00	405.00	405.00	405.00	405.00
65.333	405.00	405.00	405.00	405.00	405.00
65.500	405.00	405.00	405.00	405.00	405.00
65.667	405.00	405.00	405.00	405.00	405.00
65.833	405.00	405.00	405.00	405.00	405.00
66.000	405.00	405.00	405.00	405.00	405.00
66.167	405.00	405.00	405.00	405.00	405.00
66.333	405.00	405.00	405.00	405.00	405.00
66.500	405.00	405.00	405.00	405.00	405.00
66.667	405.00	405.00	405.00	405.00	405.00
66.833	405.00	405.00	405.00	405.00	405.00
67.000	405.00	405.00	405.00	405.00	405.00
67.167	405.00	405.00	405.00	405.00	405.00
67.333	405.00	405.00	405.00	405.00	405.00
67.500	405.00	405.00	405.00	405.00	405.00
67.667	405.00	405.00	405.00	405.00	405.00
67.833	405.00	405.00	405.00	405.00	405.00
68.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
68.167	405.00	405.00	405.00	405.00	405.00
68.333	405.00	405.00	405.00	405.00	405.00
68.500	405.00	405.00	405.00	405.00	405.00
68.667	405.00	405.00	405.00	405.00	405.00
68.833	405.00	405.00	405.00	405.00	405.00
69.000	405.00	405.00	405.00	405.00	405.00
69.167	405.00	405.00	405.00	405.00	405.00
69.333	405.00	405.00	405.00	405.00	405.00
69.500	405.00	405.00	405.00	405.00	405.00
69.667	405.00	405.00	405.00	405.00	405.00
69.833	405.00	405.00	405.00	405.00	405.00
70.000	405.00	405.00	405.00	405.00	405.00
70.167	405.00	405.00	405.00	405.00	405.00
70.333	405.00	405.00	405.00	405.00	405.00
70.500	405.00	405.00	405.00	405.00	405.00
70.667	405.00	405.00	405.00	405.00	405.00
70.833	405.00	405.00	405.00	405.00	405.00
71.000	405.00	405.00	405.00	405.00	405.00
71.167	405.00	405.00	405.00	405.00	405.00
71.333	405.00	405.00	405.00	405.00	405.00
71.500	405.00	405.00	405.00	405.00	405.00
71.667	405.00	405.00	405.00	405.00	405.00
71.833	405.00	405.00	405.00	405.00	405.00
72.000	405.00	405.00	405.00	405.00	405.00
72.167	405.00	405.00	405.00	405.00	405.00
72.333	405.00	405.00	405.00	405.00	405.00
72.500	405.00	405.00	405.00	405.00	405.00
72.667	405.00	405.00	405.00	405.00	405.00
72.833	405.00	405.00	405.00	405.00	405.00
73.000	405.00	405.00	405.00	405.00	405.00
73.167	405.00	405.00	405.00	405.00	405.00
73.333	405.00	405.00	405.00	405.00	405.00
73.500	405.00	405.00	405.00	405.00	405.00
73.667	405.00	405.00	405.00	405.00	405.00
73.833	405.00	405.00	405.00	405.00	405.00
74.000	405.00	405.00	405.00	405.00	405.00
74.167	405.00	405.00	405.00	405.00	405.00
74.333	405.00	405.00	405.00	405.00	405.00
74.500	405.00	405.00	405.00	405.00	405.00
74.667	405.00	405.00	405.00	405.00	405.00
74.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
75.000	405.00	405.00	405.00	405.00	405.00
75.167	405.00	405.00	405.00	405.00	405.00
75.333	405.00	405.00	405.00	405.00	405.00
75.500	405.00	405.00	405.00	405.00	405.00
75.667	405.00	405.00	405.00	405.00	405.00
75.833	405.00	405.00	405.00	405.00	405.00
76.000	405.00	405.00	405.00	405.00	405.00
76.167	405.00	405.00	405.00	405.00	405.00
76.333	405.00	405.00	405.00	405.00	405.00
76.500	405.00	405.00	405.00	405.00	405.00
76.667	405.00	405.00	405.00	405.00	405.00
76.833	405.00	405.00	405.00	405.00	405.00
77.000	405.00	405.00	405.00	405.00	405.00
77.167	405.00	405.00	405.00	405.00	405.00
77.333	405.00	405.00	405.00	405.00	405.00
77.500	405.00	405.00	405.00	405.00	405.00
77.667	405.00	405.00	405.00	405.00	405.00
77.833	405.00	405.00	405.00	405.00	405.00
78.000	405.00	405.00	405.00	405.00	405.00
78.167	405.00	405.00	405.00	405.00	405.00
78.333	405.00	405.00	405.00	405.00	405.00
78.500	405.00	405.00	405.00	405.00	405.00
78.667	405.00	405.00	405.00	405.00	405.00
78.833	405.00	405.00	405.00	405.00	405.00
79.000	405.00	405.00	405.00	405.00	405.00
79.167	405.00	405.00	405.00	405.00	405.00
79.333	405.00	405.00	405.00	405.00	405.00
79.500	405.00	405.00	405.00	405.00	405.00
79.667	405.00	405.00	405.00	405.00	405.00
79.833	405.00	405.00	405.00	405.00	405.00
80.000	405.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	405.00	405.00	405.00	405.00	405.00
0.167	405.00	405.00	405.00	405.00	405.00
0.333	405.00	405.00	405.00	405.00	405.00
0.500	405.00	405.00	405.00	405.00	405.00
0.667	405.00	405.00	405.00	405.00	405.00
0.833	405.00	405.00	405.00	405.00	405.00
1.000	405.00	405.00	405.00	405.00	405.00
1.167	405.00	405.00	405.00	405.00	405.00
1.333	405.00	405.00	405.00	405.00	405.00
1.500	405.00	405.00	405.00	405.00	405.00
1.667	405.00	405.00	405.00	405.00	405.00
1.833	405.00	405.00	405.00	405.00	405.00
2.000	405.00	405.00	405.00	405.00	405.00
2.167	405.00	405.00	405.00	405.00	405.00
2.333	405.00	405.00	405.00	405.00	405.00
2.500	405.00	405.00	405.00	405.00	405.00
2.667	405.00	405.00	405.00	405.00	405.00
2.833	405.00	405.00	405.00	405.00	405.00
3.000	405.00	405.00	405.00	405.00	405.00
3.167	405.00	405.00	405.00	405.00	405.00
3.333	405.00	405.00	405.00	405.00	405.00
3.500	405.00	405.00	405.00	405.00	405.00
3.667	405.00	405.00	405.00	405.00	405.00
3.833	405.00	405.00	405.00	405.00	405.00
4.000	405.00	405.00	405.00	405.00	405.00
4.167	405.00	405.00	405.00	405.00	405.00
4.333	405.00	405.00	405.00	405.00	405.00
4.500	405.00	405.00	405.00	405.00	405.00
4.667	405.00	405.00	405.00	405.00	405.00
4.833	405.00	405.00	405.00	405.00	405.00
5.000	405.00	405.00	405.00	405.00	405.00
5.167	405.00	405.00	405.00	405.00	405.00
5.333	405.00	405.00	405.00	405.00	405.00
5.500	405.00	405.00	405.00	405.00	405.00
5.667	405.00	405.00	405.00	405.00	405.00
5.833	405.00	405.00	405.00	405.00	405.00
6.000	405.00	405.00	405.00	405.00	405.00
6.167	405.00	405.00	405.00	405.00	405.00
6.333	405.00	405.00	405.00	405.00	405.00
6.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
6.667	405.00	405.00	405.00	405.00	405.00
6.833	405.00	405.00	405.00	405.00	405.00
7.000	405.00	405.00	405.00	405.00	405.00
7.167	405.00	405.00	405.00	405.00	405.00
7.333	405.00	405.01	405.01	405.01	405.01
7.500	405.01	405.01	405.01	405.01	405.01
7.667	405.01	405.01	405.01	405.02	405.02
7.833	405.02	405.02	405.02	405.02	405.02
8.000	405.02	405.02	405.02	405.03	405.03
8.167	405.03	405.03	405.03	405.03	405.03
8.333	405.03	405.04	405.04	405.04	405.04
8.500	405.04	405.04	405.05	405.05	405.05
8.667	405.05	405.05	405.06	405.06	405.06
8.833	405.06	405.06	405.07	405.07	405.07
9.000	405.07	405.08	405.08	405.08	405.08
9.167	405.09	405.09	405.09	405.09	405.10
9.333	405.10	405.10	405.11	405.11	405.11
9.500	405.12	405.12	405.13	405.13	405.14
9.667	405.14	405.15	405.16	405.16	405.17
9.833	405.18	405.19	405.19	405.20	405.21
10.000	405.22	405.23	405.23	405.24	405.25
10.167	405.25	405.26	405.26	405.27	405.28
10.333	405.28	405.29	405.29	405.30	405.30
10.500	405.31	405.31	405.32	405.32	405.33
10.667	405.33	405.33	405.34	405.34	405.35
10.833	405.35	405.35	405.36	405.36	405.36
11.000	405.37	405.37	405.38	405.38	405.39
11.167	405.39	405.40	405.40	405.41	405.42
11.333	405.43	405.44	405.45	405.46	405.47
11.500	405.48	405.49	405.51	405.53	405.55
11.667	405.58	405.62	405.68	405.74	405.82
11.833	405.90	405.99	406.09	406.21	406.38
12.000	406.61	406.87	407.13	407.33	407.43
12.167	407.44	407.41	407.37	407.33	407.31
12.333	407.28	407.26	407.24	407.22	407.20
12.500	407.17	407.13	407.08	407.02	406.96
12.667	406.89	406.83	406.76	406.69	406.62
12.833	406.55	406.48	406.41	406.34	406.27
13.000	406.20	406.14	406.07	406.00	405.94
13.167	405.88	405.83	405.79	405.75	405.71
13.333	405.68	405.64	405.62	405.59	405.57

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
13.500	405.55	405.54	405.53	405.52	405.51
13.667	405.51	405.50	405.50	405.50	405.49
13.833	405.49	405.48	405.48	405.48	405.47
14.000	405.47	405.47	405.46	405.46	405.46
14.167	405.45	405.45	405.45	405.44	405.44
14.333	405.44	405.44	405.44	405.43	405.43
14.500	405.43	405.43	405.43	405.42	405.42
14.667	405.42	405.42	405.42	405.42	405.41
14.833	405.41	405.41	405.41	405.41	405.41
15.000	405.40	405.40	405.40	405.40	405.40
15.167	405.40	405.39	405.39	405.39	405.39
15.333	405.39	405.38	405.38	405.38	405.38
15.500	405.38	405.38	405.37	405.37	405.37
15.667	405.37	405.37	405.36	405.36	405.36
15.833	405.36	405.36	405.35	405.35	405.35
16.000	405.35	405.35	405.35	405.34	405.34
16.167	405.34	405.34	405.34	405.34	405.34
16.333	405.33	405.33	405.33	405.33	405.33
16.500	405.33	405.33	405.33	405.33	405.33
16.667	405.33	405.32	405.32	405.32	405.32
16.833	405.32	405.32	405.32	405.32	405.32
17.000	405.32	405.32	405.32	405.31	405.31
17.167	405.31	405.31	405.31	405.31	405.31
17.333	405.31	405.31	405.31	405.31	405.31
17.500	405.30	405.30	405.30	405.30	405.30
17.667	405.30	405.30	405.30	405.30	405.30
17.833	405.30	405.29	405.29	405.29	405.29
18.000	405.29	405.29	405.29	405.29	405.28
18.167	405.28	405.28	405.28	405.28	405.28
18.333	405.28	405.28	405.28	405.28	405.28
18.500	405.27	405.27	405.27	405.27	405.27
18.667	405.27	405.27	405.27	405.27	405.27
18.833	405.27	405.27	405.27	405.27	405.27
19.000	405.27	405.27	405.27	405.26	405.26
19.167	405.26	405.26	405.26	405.26	405.26
19.333	405.26	405.26	405.26	405.26	405.26
19.500	405.26	405.26	405.26	405.26	405.26
19.667	405.26	405.26	405.26	405.25	405.25
19.833	405.25	405.25	405.25	405.25	405.25
20.000	405.25	405.25	405.25	405.25	405.25
20.167	405.25	405.25	405.25	405.25	405.25

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
20.333	405.25	405.25	405.25	405.25	405.25
20.500	405.25	405.24	405.24	405.24	405.24
20.667	405.24	405.24	405.24	405.24	405.24
20.833	405.24	405.24	405.24	405.24	405.24
21.000	405.24	405.24	405.24	405.24	405.24
21.167	405.24	405.24	405.24	405.24	405.24
21.333	405.24	405.24	405.24	405.24	405.23
21.500	405.23	405.23	405.23	405.23	405.23
21.667	405.23	405.23	405.23	405.23	405.23
21.833	405.23	405.23	405.23	405.23	405.23
22.000	405.23	405.23	405.23	405.23	405.23
22.167	405.23	405.23	405.23	405.23	405.23
22.333	405.23	405.22	405.22	405.22	405.22
22.500	405.22	405.22	405.22	405.22	405.22
22.667	405.22	405.22	405.22	405.22	405.22
22.833	405.22	405.22	405.22	405.22	405.22
23.000	405.22	405.22	405.22	405.22	405.22
23.167	405.22	405.22	405.22	405.22	405.21
23.333	405.21	405.21	405.21	405.21	405.21
23.500	405.21	405.21	405.21	405.21	405.21
23.667	405.21	405.21	405.21	405.21	405.21
23.833	405.21	405.21	405.21	405.21	405.21
24.000	405.21	405.21	405.20	405.20	405.19
24.167	405.18	405.17	405.17	405.16	405.15
24.333	405.14	405.13	405.12	405.11	405.10
24.500	405.09	405.09	405.08	405.07	405.06
24.667	405.06	405.05	405.05	405.04	405.04
24.833	405.04	405.03	405.03	405.03	405.03
25.000	405.02	405.02	405.02	405.02	405.02
25.167	405.01	405.01	405.01	405.01	405.01
25.333	405.01	405.01	405.01	405.01	405.01
25.500	405.01	405.01	405.00	405.00	405.00
25.667	405.00	405.00	405.00	405.00	405.00
25.833	405.00	405.00	405.00	405.00	405.00
26.000	405.00	405.00	405.00	405.00	405.00
26.167	405.00	405.00	405.00	405.00	405.00
26.333	405.00	405.00	405.00	405.00	405.00
26.500	405.00	405.00	405.00	405.00	405.00
26.667	405.00	405.00	405.00	405.00	405.00
26.833	405.00	405.00	405.00	405.00	405.00
27.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
27.167	405.00	405.00	405.00	405.00	405.00
27.333	405.00	405.00	405.00	405.00	405.00
27.500	405.00	405.00	405.00	405.00	405.00
27.667	405.00	405.00	405.00	405.00	405.00
27.833	405.00	405.00	405.00	405.00	405.00
28.000	405.00	405.00	405.00	405.00	405.00
28.167	405.00	405.00	405.00	405.00	405.00
28.333	405.00	405.00	405.00	405.00	405.00
28.500	405.00	405.00	405.00	405.00	405.00
28.667	405.00	405.00	405.00	405.00	405.00
28.833	405.00	405.00	405.00	405.00	405.00
29.000	405.00	405.00	405.00	405.00	405.00
29.167	405.00	405.00	405.00	405.00	405.00
29.333	405.00	405.00	405.00	405.00	405.00
29.500	405.00	405.00	405.00	405.00	405.00
29.667	405.00	405.00	405.00	405.00	405.00
29.833	405.00	405.00	405.00	405.00	405.00
30.000	405.00	405.00	405.00	405.00	405.00
30.167	405.00	405.00	405.00	405.00	405.00
30.333	405.00	405.00	405.00	405.00	405.00
30.500	405.00	405.00	405.00	405.00	405.00
30.667	405.00	405.00	405.00	405.00	405.00
30.833	405.00	405.00	405.00	405.00	405.00
31.000	405.00	405.00	405.00	405.00	405.00
31.167	405.00	405.00	405.00	405.00	405.00
31.333	405.00	405.00	405.00	405.00	405.00
31.500	405.00	405.00	405.00	405.00	405.00
31.667	405.00	405.00	405.00	405.00	405.00
31.833	405.00	405.00	405.00	405.00	405.00
32.000	405.00	405.00	405.00	405.00	405.00
32.167	405.00	405.00	405.00	405.00	405.00
32.333	405.00	405.00	405.00	405.00	405.00
32.500	405.00	405.00	405.00	405.00	405.00
32.667	405.00	405.00	405.00	405.00	405.00
32.833	405.00	405.00	405.00	405.00	405.00
33.000	405.00	405.00	405.00	405.00	405.00
33.167	405.00	405.00	405.00	405.00	405.00
33.333	405.00	405.00	405.00	405.00	405.00
33.500	405.00	405.00	405.00	405.00	405.00
33.667	405.00	405.00	405.00	405.00	405.00
33.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
34.000	405.00	405.00	405.00	405.00	405.00
34.167	405.00	405.00	405.00	405.00	405.00
34.333	405.00	405.00	405.00	405.00	405.00
34.500	405.00	405.00	405.00	405.00	405.00
34.667	405.00	405.00	405.00	405.00	405.00
34.833	405.00	405.00	405.00	405.00	405.00
35.000	405.00	405.00	405.00	405.00	405.00
35.167	405.00	405.00	405.00	405.00	405.00
35.333	405.00	405.00	405.00	405.00	405.00
35.500	405.00	405.00	405.00	405.00	405.00
35.667	405.00	405.00	405.00	405.00	405.00
35.833	405.00	405.00	405.00	405.00	405.00
36.000	405.00	405.00	405.00	405.00	405.00
36.167	405.00	405.00	405.00	405.00	405.00
36.333	405.00	405.00	405.00	405.00	405.00
36.500	405.00	405.00	405.00	405.00	405.00
36.667	405.00	405.00	405.00	405.00	405.00
36.833	405.00	405.00	405.00	405.00	405.00
37.000	405.00	405.00	405.00	405.00	405.00
37.167	405.00	405.00	405.00	405.00	405.00
37.333	405.00	405.00	405.00	405.00	405.00
37.500	405.00	405.00	405.00	405.00	405.00
37.667	405.00	405.00	405.00	405.00	405.00
37.833	405.00	405.00	405.00	405.00	405.00
38.000	405.00	405.00	405.00	405.00	405.00
38.167	405.00	405.00	405.00	405.00	405.00
38.333	405.00	405.00	405.00	405.00	405.00
38.500	405.00	405.00	405.00	405.00	405.00
38.667	405.00	405.00	405.00	405.00	405.00
38.833	405.00	405.00	405.00	405.00	405.00
39.000	405.00	405.00	405.00	405.00	405.00
39.167	405.00	405.00	405.00	405.00	405.00
39.333	405.00	405.00	405.00	405.00	405.00
39.500	405.00	405.00	405.00	405.00	405.00
39.667	405.00	405.00	405.00	405.00	405.00
39.833	405.00	405.00	405.00	405.00	405.00
40.000	405.00	405.00	405.00	405.00	405.00
40.167	405.00	405.00	405.00	405.00	405.00
40.333	405.00	405.00	405.00	405.00	405.00
40.500	405.00	405.00	405.00	405.00	405.00
40.667	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
40.833	405.00	405.00	405.00	405.00	405.00
41.000	405.00	405.00	405.00	405.00	405.00
41.167	405.00	405.00	405.00	405.00	405.00
41.333	405.00	405.00	405.00	405.00	405.00
41.500	405.00	405.00	405.00	405.00	405.00
41.667	405.00	405.00	405.00	405.00	405.00
41.833	405.00	405.00	405.00	405.00	405.00
42.000	405.00	405.00	405.00	405.00	405.00
42.167	405.00	405.00	405.00	405.00	405.00
42.333	405.00	405.00	405.00	405.00	405.00
42.500	405.00	405.00	405.00	405.00	405.00
42.667	405.00	405.00	405.00	405.00	405.00
42.833	405.00	405.00	405.00	405.00	405.00
43.000	405.00	405.00	405.00	405.00	405.00
43.167	405.00	405.00	405.00	405.00	405.00
43.333	405.00	405.00	405.00	405.00	405.00
43.500	405.00	405.00	405.00	405.00	405.00
43.667	405.00	405.00	405.00	405.00	405.00
43.833	405.00	405.00	405.00	405.00	405.00
44.000	405.00	405.00	405.00	405.00	405.00
44.167	405.00	405.00	405.00	405.00	405.00
44.333	405.00	405.00	405.00	405.00	405.00
44.500	405.00	405.00	405.00	405.00	405.00
44.667	405.00	405.00	405.00	405.00	405.00
44.833	405.00	405.00	405.00	405.00	405.00
45.000	405.00	405.00	405.00	405.00	405.00
45.167	405.00	405.00	405.00	405.00	405.00
45.333	405.00	405.00	405.00	405.00	405.00
45.500	405.00	405.00	405.00	405.00	405.00
45.667	405.00	405.00	405.00	405.00	405.00
45.833	405.00	405.00	405.00	405.00	405.00
46.000	405.00	405.00	405.00	405.00	405.00
46.167	405.00	405.00	405.00	405.00	405.00
46.333	405.00	405.00	405.00	405.00	405.00
46.500	405.00	405.00	405.00	405.00	405.00
46.667	405.00	405.00	405.00	405.00	405.00
46.833	405.00	405.00	405.00	405.00	405.00
47.000	405.00	405.00	405.00	405.00	405.00
47.167	405.00	405.00	405.00	405.00	405.00
47.333	405.00	405.00	405.00	405.00	405.00
47.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
47.667	405.00	405.00	405.00	405.00	405.00
47.833	405.00	405.00	405.00	405.00	405.00
48.000	405.00	405.00	405.00	405.00	405.00
48.167	405.00	405.00	405.00	405.00	405.00
48.333	405.00	405.00	405.00	405.00	405.00
48.500	405.00	405.00	405.00	405.00	405.00
48.667	405.00	405.00	405.00	405.00	405.00
48.833	405.00	405.00	405.00	405.00	405.00
49.000	405.00	405.00	405.00	405.00	405.00
49.167	405.00	405.00	405.00	405.00	405.00
49.333	405.00	405.00	405.00	405.00	405.00
49.500	405.00	405.00	405.00	405.00	405.00
49.667	405.00	405.00	405.00	405.00	405.00
49.833	405.00	405.00	405.00	405.00	405.00
50.000	405.00	405.00	405.00	405.00	405.00
50.167	405.00	405.00	405.00	405.00	405.00
50.333	405.00	405.00	405.00	405.00	405.00
50.500	405.00	405.00	405.00	405.00	405.00
50.667	405.00	405.00	405.00	405.00	405.00
50.833	405.00	405.00	405.00	405.00	405.00
51.000	405.00	405.00	405.00	405.00	405.00
51.167	405.00	405.00	405.00	405.00	405.00
51.333	405.00	405.00	405.00	405.00	405.00
51.500	405.00	405.00	405.00	405.00	405.00
51.667	405.00	405.00	405.00	405.00	405.00
51.833	405.00	405.00	405.00	405.00	405.00
52.000	405.00	405.00	405.00	405.00	405.00
52.167	405.00	405.00	405.00	405.00	405.00
52.333	405.00	405.00	405.00	405.00	405.00
52.500	405.00	405.00	405.00	405.00	405.00
52.667	405.00	405.00	405.00	405.00	405.00
52.833	405.00	405.00	405.00	405.00	405.00
53.000	405.00	405.00	405.00	405.00	405.00
53.167	405.00	405.00	405.00	405.00	405.00
53.333	405.00	405.00	405.00	405.00	405.00
53.500	405.00	405.00	405.00	405.00	405.00
53.667	405.00	405.00	405.00	405.00	405.00
53.833	405.00	405.00	405.00	405.00	405.00
54.000	405.00	405.00	405.00	405.00	405.00
54.167	405.00	405.00	405.00	405.00	405.00
54.333	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
54.500	405.00	405.00	405.00	405.00	405.00
54.667	405.00	405.00	405.00	405.00	405.00
54.833	405.00	405.00	405.00	405.00	405.00
55.000	405.00	405.00	405.00	405.00	405.00
55.167	405.00	405.00	405.00	405.00	405.00
55.333	405.00	405.00	405.00	405.00	405.00
55.500	405.00	405.00	405.00	405.00	405.00
55.667	405.00	405.00	405.00	405.00	405.00
55.833	405.00	405.00	405.00	405.00	405.00
56.000	405.00	405.00	405.00	405.00	405.00
56.167	405.00	405.00	405.00	405.00	405.00
56.333	405.00	405.00	405.00	405.00	405.00
56.500	405.00	405.00	405.00	405.00	405.00
56.667	405.00	405.00	405.00	405.00	405.00
56.833	405.00	405.00	405.00	405.00	405.00
57.000	405.00	405.00	405.00	405.00	405.00
57.167	405.00	405.00	405.00	405.00	405.00
57.333	405.00	405.00	405.00	405.00	405.00
57.500	405.00	405.00	405.00	405.00	405.00
57.667	405.00	405.00	405.00	405.00	405.00
57.833	405.00	405.00	405.00	405.00	405.00
58.000	405.00	405.00	405.00	405.00	405.00
58.167	405.00	405.00	405.00	405.00	405.00
58.333	405.00	405.00	405.00	405.00	405.00
58.500	405.00	405.00	405.00	405.00	405.00
58.667	405.00	405.00	405.00	405.00	405.00
58.833	405.00	405.00	405.00	405.00	405.00
59.000	405.00	405.00	405.00	405.00	405.00
59.167	405.00	405.00	405.00	405.00	405.00
59.333	405.00	405.00	405.00	405.00	405.00
59.500	405.00	405.00	405.00	405.00	405.00
59.667	405.00	405.00	405.00	405.00	405.00
59.833	405.00	405.00	405.00	405.00	405.00
60.000	405.00	405.00	405.00	405.00	405.00
60.167	405.00	405.00	405.00	405.00	405.00
60.333	405.00	405.00	405.00	405.00	405.00
60.500	405.00	405.00	405.00	405.00	405.00
60.667	405.00	405.00	405.00	405.00	405.00
60.833	405.00	405.00	405.00	405.00	405.00
61.000	405.00	405.00	405.00	405.00	405.00
61.167	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
61.333	405.00	405.00	405.00	405.00	405.00
61.500	405.00	405.00	405.00	405.00	405.00
61.667	405.00	405.00	405.00	405.00	405.00
61.833	405.00	405.00	405.00	405.00	405.00
62.000	405.00	405.00	405.00	405.00	405.00
62.167	405.00	405.00	405.00	405.00	405.00
62.333	405.00	405.00	405.00	405.00	405.00
62.500	405.00	405.00	405.00	405.00	405.00
62.667	405.00	405.00	405.00	405.00	405.00
62.833	405.00	405.00	405.00	405.00	405.00
63.000	405.00	405.00	405.00	405.00	405.00
63.167	405.00	405.00	405.00	405.00	405.00
63.333	405.00	405.00	405.00	405.00	405.00
63.500	405.00	405.00	405.00	405.00	405.00
63.667	405.00	405.00	405.00	405.00	405.00
63.833	405.00	405.00	405.00	405.00	405.00
64.000	405.00	405.00	405.00	405.00	405.00
64.167	405.00	405.00	405.00	405.00	405.00
64.333	405.00	405.00	405.00	405.00	405.00
64.500	405.00	405.00	405.00	405.00	405.00
64.667	405.00	405.00	405.00	405.00	405.00
64.833	405.00	405.00	405.00	405.00	405.00
65.000	405.00	405.00	405.00	405.00	405.00
65.167	405.00	405.00	405.00	405.00	405.00
65.333	405.00	405.00	405.00	405.00	405.00
65.500	405.00	405.00	405.00	405.00	405.00
65.667	405.00	405.00	405.00	405.00	405.00
65.833	405.00	405.00	405.00	405.00	405.00
66.000	405.00	405.00	405.00	405.00	405.00
66.167	405.00	405.00	405.00	405.00	405.00
66.333	405.00	405.00	405.00	405.00	405.00
66.500	405.00	405.00	405.00	405.00	405.00
66.667	405.00	405.00	405.00	405.00	405.00
66.833	405.00	405.00	405.00	405.00	405.00
67.000	405.00	405.00	405.00	405.00	405.00
67.167	405.00	405.00	405.00	405.00	405.00
67.333	405.00	405.00	405.00	405.00	405.00
67.500	405.00	405.00	405.00	405.00	405.00
67.667	405.00	405.00	405.00	405.00	405.00
67.833	405.00	405.00	405.00	405.00	405.00
68.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
68.167	405.00	405.00	405.00	405.00	405.00
68.333	405.00	405.00	405.00	405.00	405.00
68.500	405.00	405.00	405.00	405.00	405.00
68.667	405.00	405.00	405.00	405.00	405.00
68.833	405.00	405.00	405.00	405.00	405.00
69.000	405.00	405.00	405.00	405.00	405.00
69.167	405.00	405.00	405.00	405.00	405.00
69.333	405.00	405.00	405.00	405.00	405.00
69.500	405.00	405.00	405.00	405.00	405.00
69.667	405.00	405.00	405.00	405.00	405.00
69.833	405.00	405.00	405.00	405.00	405.00
70.000	405.00	405.00	405.00	405.00	405.00
70.167	405.00	405.00	405.00	405.00	405.00
70.333	405.00	405.00	405.00	405.00	405.00
70.500	405.00	405.00	405.00	405.00	405.00
70.667	405.00	405.00	405.00	405.00	405.00
70.833	405.00	405.00	405.00	405.00	405.00
71.000	405.00	405.00	405.00	405.00	405.00
71.167	405.00	405.00	405.00	405.00	405.00
71.333	405.00	405.00	405.00	405.00	405.00
71.500	405.00	405.00	405.00	405.00	405.00
71.667	405.00	405.00	405.00	405.00	405.00
71.833	405.00	405.00	405.00	405.00	405.00
72.000	405.00	405.00	405.00	405.00	405.00
72.167	405.00	405.00	405.00	405.00	405.00
72.333	405.00	405.00	405.00	405.00	405.00
72.500	405.00	405.00	405.00	405.00	405.00
72.667	405.00	405.00	405.00	405.00	405.00
72.833	405.00	405.00	405.00	405.00	405.00
73.000	405.00	405.00	405.00	405.00	405.00
73.167	405.00	405.00	405.00	405.00	405.00
73.333	405.00	405.00	405.00	405.00	405.00
73.500	405.00	405.00	405.00	405.00	405.00
73.667	405.00	405.00	405.00	405.00	405.00
73.833	405.00	405.00	405.00	405.00	405.00
74.000	405.00	405.00	405.00	405.00	405.00
74.167	405.00	405.00	405.00	405.00	405.00
74.333	405.00	405.00	405.00	405.00	405.00
74.500	405.00	405.00	405.00	405.00	405.00
74.667	405.00	405.00	405.00	405.00	405.00
74.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
75.000	405.00	405.00	405.00	405.00	405.00
75.167	405.00	405.00	405.00	405.00	405.00
75.333	405.00	405.00	405.00	405.00	405.00
75.500	405.00	405.00	405.00	405.00	405.00
75.667	405.00	405.00	405.00	405.00	405.00
75.833	405.00	405.00	405.00	405.00	405.00
76.000	405.00	405.00	405.00	405.00	405.00
76.167	405.00	405.00	405.00	405.00	405.00
76.333	405.00	405.00	405.00	405.00	405.00
76.500	405.00	405.00	405.00	405.00	405.00
76.667	405.00	405.00	405.00	405.00	405.00
76.833	405.00	405.00	405.00	405.00	405.00
77.000	405.00	405.00	405.00	405.00	405.00
77.167	405.00	405.00	405.00	405.00	405.00
77.333	405.00	405.00	405.00	405.00	405.00
77.500	405.00	405.00	405.00	405.00	405.00
77.667	405.00	405.00	405.00	405.00	405.00
77.833	405.00	405.00	405.00	405.00	405.00
78.000	405.00	405.00	405.00	405.00	405.00
78.167	405.00	405.00	405.00	405.00	405.00
78.333	405.00	405.00	405.00	405.00	405.00
78.500	405.00	405.00	405.00	405.00	405.00
78.667	405.00	405.00	405.00	405.00	405.00
78.833	405.00	405.00	405.00	405.00	405.00
79.000	405.00	405.00	405.00	405.00	405.00
79.167	405.00	405.00	405.00	405.00	405.00
79.333	405.00	405.00	405.00	405.00	405.00
79.500	405.00	405.00	405.00	405.00	405.00
79.667	405.00	405.00	405.00	405.00	405.00
79.833	405.00	405.00	405.00	405.00	405.00
80.000	405.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	405.00	405.00	405.00	405.00	405.00
0.167	405.00	405.00	405.00	405.00	405.00
0.333	405.00	405.00	405.00	405.00	405.00
0.500	405.00	405.00	405.00	405.00	405.00
0.667	405.00	405.00	405.00	405.00	405.00
0.833	405.00	405.00	405.00	405.00	405.00
1.000	405.00	405.00	405.00	405.00	405.00
1.167	405.00	405.00	405.00	405.00	405.00
1.333	405.00	405.00	405.00	405.00	405.00
1.500	405.00	405.00	405.00	405.00	405.00
1.667	405.00	405.00	405.00	405.00	405.00
1.833	405.00	405.00	405.00	405.00	405.00
2.000	405.00	405.00	405.00	405.00	405.00
2.167	405.00	405.00	405.00	405.00	405.00
2.333	405.00	405.00	405.00	405.00	405.00
2.500	405.00	405.00	405.00	405.00	405.00
2.667	405.00	405.00	405.00	405.00	405.00
2.833	405.00	405.00	405.00	405.00	405.00
3.000	405.00	405.00	405.00	405.00	405.00
3.167	405.00	405.00	405.00	405.00	405.00
3.333	405.00	405.00	405.00	405.00	405.00
3.500	405.00	405.00	405.00	405.00	405.00
3.667	405.00	405.00	405.00	405.00	405.00
3.833	405.00	405.00	405.00	405.00	405.00
4.000	405.00	405.00	405.00	405.00	405.00
4.167	405.00	405.00	405.00	405.00	405.00
4.333	405.00	405.00	405.00	405.00	405.00
4.500	405.00	405.00	405.00	405.00	405.00
4.667	405.00	405.00	405.00	405.00	405.00
4.833	405.00	405.00	405.00	405.00	405.00
5.000	405.00	405.00	405.00	405.00	405.00
5.167	405.00	405.00	405.00	405.00	405.00
5.333	405.00	405.00	405.00	405.00	405.00
5.500	405.00	405.00	405.00	405.00	405.00
5.667	405.00	405.00	405.00	405.00	405.00
5.833	405.00	405.00	405.00	405.00	405.00
6.000	405.00	405.00	405.00	405.00	405.00
6.167	405.00	405.00	405.00	405.00	405.00
6.333	405.00	405.00	405.00	405.00	405.00
6.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
6.667	405.00	405.00	405.01	405.01	405.01
6.833	405.01	405.01	405.01	405.01	405.01
7.000	405.01	405.01	405.01	405.01	405.02
7.167	405.02	405.02	405.02	405.02	405.02
7.333	405.02	405.02	405.02	405.03	405.03
7.500	405.03	405.03	405.03	405.03	405.03
7.667	405.03	405.03	405.04	405.04	405.04
7.833	405.04	405.04	405.04	405.04	405.05
8.000	405.05	405.05	405.05	405.05	405.05
8.167	405.06	405.06	405.06	405.06	405.06
8.333	405.06	405.07	405.07	405.07	405.07
8.500	405.08	405.08	405.08	405.08	405.09
8.667	405.09	405.09	405.09	405.10	405.10
8.833	405.10	405.11	405.11	405.11	405.12
9.000	405.12	405.13	405.13	405.14	405.15
9.167	405.15	405.16	405.17	405.17	405.18
9.333	405.19	405.20	405.21	405.22	405.22
9.500	405.23	405.24	405.24	405.25	405.26
9.667	405.26	405.27	405.27	405.28	405.28
9.833	405.29	405.29	405.30	405.30	405.31
10.000	405.31	405.31	405.32	405.32	405.32
10.167	405.33	405.33	405.33	405.34	405.34
10.333	405.34	405.35	405.35	405.35	405.36
10.500	405.36	405.37	405.37	405.37	405.38
10.667	405.38	405.38	405.39	405.39	405.40
10.833	405.40	405.41	405.41	405.41	405.42
11.000	405.42	405.43	405.43	405.44	405.44
11.167	405.45	405.46	405.47	405.48	405.49
11.333	405.50	405.51	405.52	405.53	405.54
11.500	405.55	405.56	405.58	405.60	405.63
11.667	405.67	405.74	405.81	405.90	405.99
11.833	406.09	406.21	406.34	406.50	406.70
12.000	406.97	407.25	407.44	407.56	407.67
12.167	407.72	407.70	407.65	407.57	407.46
12.333	407.37	407.32	407.29	407.26	407.24
12.500	407.21	407.19	407.15	407.11	407.06
12.667	407.00	406.94	406.88	406.82	406.76
12.833	406.70	406.64	406.58	406.51	406.45
13.000	406.38	406.32	406.26	406.20	406.14
13.167	406.08	406.02	405.96	405.91	405.87
13.333	405.83	405.79	405.76	405.73	405.70

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
13.500	405.67	405.65	405.63	405.61	405.59
13.667	405.57	405.56	405.55	405.54	405.54
13.833	405.53	405.53	405.52	405.52	405.51
14.000	405.51	405.51	405.50	405.50	405.50
14.167	405.50	405.49	405.49	405.49	405.49
14.333	405.48	405.48	405.48	405.48	405.47
14.500	405.47	405.47	405.47	405.47	405.46
14.667	405.46	405.46	405.46	405.46	405.45
14.833	405.45	405.45	405.45	405.45	405.44
15.000	405.44	405.44	405.44	405.43	405.43
15.167	405.43	405.43	405.43	405.42	405.42
15.333	405.42	405.42	405.42	405.41	405.41
15.500	405.41	405.41	405.41	405.40	405.40
15.667	405.40	405.40	405.39	405.39	405.39
15.833	405.39	405.39	405.38	405.38	405.38
16.000	405.38	405.37	405.37	405.37	405.37
16.167	405.37	405.37	405.36	405.36	405.36
16.333	405.36	405.36	405.36	405.36	405.35
16.500	405.35	405.35	405.35	405.35	405.35
16.667	405.35	405.35	405.35	405.35	405.34
16.833	405.34	405.34	405.34	405.34	405.34
17.000	405.34	405.34	405.34	405.34	405.33
17.167	405.33	405.33	405.33	405.33	405.33
17.333	405.33	405.33	405.33	405.33	405.32
17.500	405.32	405.32	405.32	405.32	405.32
17.667	405.32	405.32	405.32	405.32	405.32
17.833	405.31	405.31	405.31	405.31	405.31
18.000	405.31	405.31	405.31	405.31	405.31
18.167	405.30	405.30	405.30	405.30	405.30
18.333	405.30	405.30	405.30	405.30	405.30
18.500	405.30	405.30	405.30	405.30	405.30
18.667	405.30	405.30	405.30	405.30	405.30
18.833	405.30	405.30	405.29	405.29	405.29
19.000	405.29	405.29	405.29	405.29	405.29
19.167	405.29	405.29	405.29	405.29	405.29
19.333	405.29	405.29	405.29	405.29	405.29
19.500	405.28	405.28	405.28	405.28	405.28
19.667	405.28	405.28	405.28	405.28	405.28
19.833	405.28	405.28	405.28	405.28	405.28
20.000	405.28	405.28	405.28	405.27	405.27
20.167	405.27	405.27	405.27	405.27	405.27

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
20.333	405.27	405.27	405.27	405.27	405.27
20.500	405.27	405.27	405.27	405.27	405.27
20.667	405.27	405.27	405.27	405.27	405.26
20.833	405.26	405.26	405.26	405.26	405.26
21.000	405.26	405.26	405.26	405.26	405.26
21.167	405.26	405.26	405.26	405.26	405.26
21.333	405.26	405.26	405.26	405.26	405.26
21.500	405.26	405.26	405.26	405.25	405.25
21.667	405.25	405.25	405.25	405.25	405.25
21.833	405.25	405.25	405.25	405.25	405.25
22.000	405.25	405.25	405.25	405.25	405.25
22.167	405.25	405.25	405.25	405.25	405.25
22.333	405.25	405.24	405.24	405.24	405.24
22.500	405.24	405.24	405.24	405.24	405.24
22.667	405.24	405.24	405.24	405.24	405.24
22.833	405.24	405.24	405.24	405.24	405.24
23.000	405.24	405.24	405.24	405.24	405.23
23.167	405.23	405.23	405.23	405.23	405.23
23.333	405.23	405.23	405.23	405.23	405.23
23.500	405.23	405.23	405.23	405.23	405.23
23.667	405.23	405.23	405.23	405.23	405.23
23.833	405.23	405.23	405.23	405.22	405.22
24.000	405.22	405.22	405.22	405.21	405.21
24.167	405.20	405.19	405.18	405.17	405.16
24.333	405.15	405.14	405.14	405.13	405.12
24.500	405.11	405.10	405.09	405.08	405.08
24.667	405.07	405.06	405.06	405.05	405.05
24.833	405.04	405.04	405.04	405.03	405.03
25.000	405.03	405.02	405.02	405.02	405.02
25.167	405.02	405.02	405.01	405.01	405.01
25.333	405.01	405.01	405.01	405.01	405.01
25.500	405.01	405.01	405.01	405.01	405.00
25.667	405.00	405.00	405.00	405.00	405.00
25.833	405.00	405.00	405.00	405.00	405.00
26.000	405.00	405.00	405.00	405.00	405.00
26.167	405.00	405.00	405.00	405.00	405.00
26.333	405.00	405.00	405.00	405.00	405.00
26.500	405.00	405.00	405.00	405.00	405.00
26.667	405.00	405.00	405.00	405.00	405.00
26.833	405.00	405.00	405.00	405.00	405.00
27.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
27.167	405.00	405.00	405.00	405.00	405.00
27.333	405.00	405.00	405.00	405.00	405.00
27.500	405.00	405.00	405.00	405.00	405.00
27.667	405.00	405.00	405.00	405.00	405.00
27.833	405.00	405.00	405.00	405.00	405.00
28.000	405.00	405.00	405.00	405.00	405.00
28.167	405.00	405.00	405.00	405.00	405.00
28.333	405.00	405.00	405.00	405.00	405.00
28.500	405.00	405.00	405.00	405.00	405.00
28.667	405.00	405.00	405.00	405.00	405.00
28.833	405.00	405.00	405.00	405.00	405.00
29.000	405.00	405.00	405.00	405.00	405.00
29.167	405.00	405.00	405.00	405.00	405.00
29.333	405.00	405.00	405.00	405.00	405.00
29.500	405.00	405.00	405.00	405.00	405.00
29.667	405.00	405.00	405.00	405.00	405.00
29.833	405.00	405.00	405.00	405.00	405.00
30.000	405.00	405.00	405.00	405.00	405.00
30.167	405.00	405.00	405.00	405.00	405.00
30.333	405.00	405.00	405.00	405.00	405.00
30.500	405.00	405.00	405.00	405.00	405.00
30.667	405.00	405.00	405.00	405.00	405.00
30.833	405.00	405.00	405.00	405.00	405.00
31.000	405.00	405.00	405.00	405.00	405.00
31.167	405.00	405.00	405.00	405.00	405.00
31.333	405.00	405.00	405.00	405.00	405.00
31.500	405.00	405.00	405.00	405.00	405.00
31.667	405.00	405.00	405.00	405.00	405.00
31.833	405.00	405.00	405.00	405.00	405.00
32.000	405.00	405.00	405.00	405.00	405.00
32.167	405.00	405.00	405.00	405.00	405.00
32.333	405.00	405.00	405.00	405.00	405.00
32.500	405.00	405.00	405.00	405.00	405.00
32.667	405.00	405.00	405.00	405.00	405.00
32.833	405.00	405.00	405.00	405.00	405.00
33.000	405.00	405.00	405.00	405.00	405.00
33.167	405.00	405.00	405.00	405.00	405.00
33.333	405.00	405.00	405.00	405.00	405.00
33.500	405.00	405.00	405.00	405.00	405.00
33.667	405.00	405.00	405.00	405.00	405.00
33.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
34.000	405.00	405.00	405.00	405.00	405.00
34.167	405.00	405.00	405.00	405.00	405.00
34.333	405.00	405.00	405.00	405.00	405.00
34.500	405.00	405.00	405.00	405.00	405.00
34.667	405.00	405.00	405.00	405.00	405.00
34.833	405.00	405.00	405.00	405.00	405.00
35.000	405.00	405.00	405.00	405.00	405.00
35.167	405.00	405.00	405.00	405.00	405.00
35.333	405.00	405.00	405.00	405.00	405.00
35.500	405.00	405.00	405.00	405.00	405.00
35.667	405.00	405.00	405.00	405.00	405.00
35.833	405.00	405.00	405.00	405.00	405.00
36.000	405.00	405.00	405.00	405.00	405.00
36.167	405.00	405.00	405.00	405.00	405.00
36.333	405.00	405.00	405.00	405.00	405.00
36.500	405.00	405.00	405.00	405.00	405.00
36.667	405.00	405.00	405.00	405.00	405.00
36.833	405.00	405.00	405.00	405.00	405.00
37.000	405.00	405.00	405.00	405.00	405.00
37.167	405.00	405.00	405.00	405.00	405.00
37.333	405.00	405.00	405.00	405.00	405.00
37.500	405.00	405.00	405.00	405.00	405.00
37.667	405.00	405.00	405.00	405.00	405.00
37.833	405.00	405.00	405.00	405.00	405.00
38.000	405.00	405.00	405.00	405.00	405.00
38.167	405.00	405.00	405.00	405.00	405.00
38.333	405.00	405.00	405.00	405.00	405.00
38.500	405.00	405.00	405.00	405.00	405.00
38.667	405.00	405.00	405.00	405.00	405.00
38.833	405.00	405.00	405.00	405.00	405.00
39.000	405.00	405.00	405.00	405.00	405.00
39.167	405.00	405.00	405.00	405.00	405.00
39.333	405.00	405.00	405.00	405.00	405.00
39.500	405.00	405.00	405.00	405.00	405.00
39.667	405.00	405.00	405.00	405.00	405.00
39.833	405.00	405.00	405.00	405.00	405.00
40.000	405.00	405.00	405.00	405.00	405.00
40.167	405.00	405.00	405.00	405.00	405.00
40.333	405.00	405.00	405.00	405.00	405.00
40.500	405.00	405.00	405.00	405.00	405.00
40.667	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
40.833	405.00	405.00	405.00	405.00	405.00
41.000	405.00	405.00	405.00	405.00	405.00
41.167	405.00	405.00	405.00	405.00	405.00
41.333	405.00	405.00	405.00	405.00	405.00
41.500	405.00	405.00	405.00	405.00	405.00
41.667	405.00	405.00	405.00	405.00	405.00
41.833	405.00	405.00	405.00	405.00	405.00
42.000	405.00	405.00	405.00	405.00	405.00
42.167	405.00	405.00	405.00	405.00	405.00
42.333	405.00	405.00	405.00	405.00	405.00
42.500	405.00	405.00	405.00	405.00	405.00
42.667	405.00	405.00	405.00	405.00	405.00
42.833	405.00	405.00	405.00	405.00	405.00
43.000	405.00	405.00	405.00	405.00	405.00
43.167	405.00	405.00	405.00	405.00	405.00
43.333	405.00	405.00	405.00	405.00	405.00
43.500	405.00	405.00	405.00	405.00	405.00
43.667	405.00	405.00	405.00	405.00	405.00
43.833	405.00	405.00	405.00	405.00	405.00
44.000	405.00	405.00	405.00	405.00	405.00
44.167	405.00	405.00	405.00	405.00	405.00
44.333	405.00	405.00	405.00	405.00	405.00
44.500	405.00	405.00	405.00	405.00	405.00
44.667	405.00	405.00	405.00	405.00	405.00
44.833	405.00	405.00	405.00	405.00	405.00
45.000	405.00	405.00	405.00	405.00	405.00
45.167	405.00	405.00	405.00	405.00	405.00
45.333	405.00	405.00	405.00	405.00	405.00
45.500	405.00	405.00	405.00	405.00	405.00
45.667	405.00	405.00	405.00	405.00	405.00
45.833	405.00	405.00	405.00	405.00	405.00
46.000	405.00	405.00	405.00	405.00	405.00
46.167	405.00	405.00	405.00	405.00	405.00
46.333	405.00	405.00	405.00	405.00	405.00
46.500	405.00	405.00	405.00	405.00	405.00
46.667	405.00	405.00	405.00	405.00	405.00
46.833	405.00	405.00	405.00	405.00	405.00
47.000	405.00	405.00	405.00	405.00	405.00
47.167	405.00	405.00	405.00	405.00	405.00
47.333	405.00	405.00	405.00	405.00	405.00
47.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
47.667	405.00	405.00	405.00	405.00	405.00
47.833	405.00	405.00	405.00	405.00	405.00
48.000	405.00	405.00	405.00	405.00	405.00
48.167	405.00	405.00	405.00	405.00	405.00
48.333	405.00	405.00	405.00	405.00	405.00
48.500	405.00	405.00	405.00	405.00	405.00
48.667	405.00	405.00	405.00	405.00	405.00
48.833	405.00	405.00	405.00	405.00	405.00
49.000	405.00	405.00	405.00	405.00	405.00
49.167	405.00	405.00	405.00	405.00	405.00
49.333	405.00	405.00	405.00	405.00	405.00
49.500	405.00	405.00	405.00	405.00	405.00
49.667	405.00	405.00	405.00	405.00	405.00
49.833	405.00	405.00	405.00	405.00	405.00
50.000	405.00	405.00	405.00	405.00	405.00
50.167	405.00	405.00	405.00	405.00	405.00
50.333	405.00	405.00	405.00	405.00	405.00
50.500	405.00	405.00	405.00	405.00	405.00
50.667	405.00	405.00	405.00	405.00	405.00
50.833	405.00	405.00	405.00	405.00	405.00
51.000	405.00	405.00	405.00	405.00	405.00
51.167	405.00	405.00	405.00	405.00	405.00
51.333	405.00	405.00	405.00	405.00	405.00
51.500	405.00	405.00	405.00	405.00	405.00
51.667	405.00	405.00	405.00	405.00	405.00
51.833	405.00	405.00	405.00	405.00	405.00
52.000	405.00	405.00	405.00	405.00	405.00
52.167	405.00	405.00	405.00	405.00	405.00
52.333	405.00	405.00	405.00	405.00	405.00
52.500	405.00	405.00	405.00	405.00	405.00
52.667	405.00	405.00	405.00	405.00	405.00
52.833	405.00	405.00	405.00	405.00	405.00
53.000	405.00	405.00	405.00	405.00	405.00
53.167	405.00	405.00	405.00	405.00	405.00
53.333	405.00	405.00	405.00	405.00	405.00
53.500	405.00	405.00	405.00	405.00	405.00
53.667	405.00	405.00	405.00	405.00	405.00
53.833	405.00	405.00	405.00	405.00	405.00
54.000	405.00	405.00	405.00	405.00	405.00
54.167	405.00	405.00	405.00	405.00	405.00
54.333	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
54.500	405.00	405.00	405.00	405.00	405.00
54.667	405.00	405.00	405.00	405.00	405.00
54.833	405.00	405.00	405.00	405.00	405.00
55.000	405.00	405.00	405.00	405.00	405.00
55.167	405.00	405.00	405.00	405.00	405.00
55.333	405.00	405.00	405.00	405.00	405.00
55.500	405.00	405.00	405.00	405.00	405.00
55.667	405.00	405.00	405.00	405.00	405.00
55.833	405.00	405.00	405.00	405.00	405.00
56.000	405.00	405.00	405.00	405.00	405.00
56.167	405.00	405.00	405.00	405.00	405.00
56.333	405.00	405.00	405.00	405.00	405.00
56.500	405.00	405.00	405.00	405.00	405.00
56.667	405.00	405.00	405.00	405.00	405.00
56.833	405.00	405.00	405.00	405.00	405.00
57.000	405.00	405.00	405.00	405.00	405.00
57.167	405.00	405.00	405.00	405.00	405.00
57.333	405.00	405.00	405.00	405.00	405.00
57.500	405.00	405.00	405.00	405.00	405.00
57.667	405.00	405.00	405.00	405.00	405.00
57.833	405.00	405.00	405.00	405.00	405.00
58.000	405.00	405.00	405.00	405.00	405.00
58.167	405.00	405.00	405.00	405.00	405.00
58.333	405.00	405.00	405.00	405.00	405.00
58.500	405.00	405.00	405.00	405.00	405.00
58.667	405.00	405.00	405.00	405.00	405.00
58.833	405.00	405.00	405.00	405.00	405.00
59.000	405.00	405.00	405.00	405.00	405.00
59.167	405.00	405.00	405.00	405.00	405.00
59.333	405.00	405.00	405.00	405.00	405.00
59.500	405.00	405.00	405.00	405.00	405.00
59.667	405.00	405.00	405.00	405.00	405.00
59.833	405.00	405.00	405.00	405.00	405.00
60.000	405.00	405.00	405.00	405.00	405.00
60.167	405.00	405.00	405.00	405.00	405.00
60.333	405.00	405.00	405.00	405.00	405.00
60.500	405.00	405.00	405.00	405.00	405.00
60.667	405.00	405.00	405.00	405.00	405.00
60.833	405.00	405.00	405.00	405.00	405.00
61.000	405.00	405.00	405.00	405.00	405.00
61.167	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
61.333	405.00	405.00	405.00	405.00	405.00
61.500	405.00	405.00	405.00	405.00	405.00
61.667	405.00	405.00	405.00	405.00	405.00
61.833	405.00	405.00	405.00	405.00	405.00
62.000	405.00	405.00	405.00	405.00	405.00
62.167	405.00	405.00	405.00	405.00	405.00
62.333	405.00	405.00	405.00	405.00	405.00
62.500	405.00	405.00	405.00	405.00	405.00
62.667	405.00	405.00	405.00	405.00	405.00
62.833	405.00	405.00	405.00	405.00	405.00
63.000	405.00	405.00	405.00	405.00	405.00
63.167	405.00	405.00	405.00	405.00	405.00
63.333	405.00	405.00	405.00	405.00	405.00
63.500	405.00	405.00	405.00	405.00	405.00
63.667	405.00	405.00	405.00	405.00	405.00
63.833	405.00	405.00	405.00	405.00	405.00
64.000	405.00	405.00	405.00	405.00	405.00
64.167	405.00	405.00	405.00	405.00	405.00
64.333	405.00	405.00	405.00	405.00	405.00
64.500	405.00	405.00	405.00	405.00	405.00
64.667	405.00	405.00	405.00	405.00	405.00
64.833	405.00	405.00	405.00	405.00	405.00
65.000	405.00	405.00	405.00	405.00	405.00
65.167	405.00	405.00	405.00	405.00	405.00
65.333	405.00	405.00	405.00	405.00	405.00
65.500	405.00	405.00	405.00	405.00	405.00
65.667	405.00	405.00	405.00	405.00	405.00
65.833	405.00	405.00	405.00	405.00	405.00
66.000	405.00	405.00	405.00	405.00	405.00
66.167	405.00	405.00	405.00	405.00	405.00
66.333	405.00	405.00	405.00	405.00	405.00
66.500	405.00	405.00	405.00	405.00	405.00
66.667	405.00	405.00	405.00	405.00	405.00
66.833	405.00	405.00	405.00	405.00	405.00
67.000	405.00	405.00	405.00	405.00	405.00
67.167	405.00	405.00	405.00	405.00	405.00
67.333	405.00	405.00	405.00	405.00	405.00
67.500	405.00	405.00	405.00	405.00	405.00
67.667	405.00	405.00	405.00	405.00	405.00
67.833	405.00	405.00	405.00	405.00	405.00
68.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
68.167	405.00	405.00	405.00	405.00	405.00
68.333	405.00	405.00	405.00	405.00	405.00
68.500	405.00	405.00	405.00	405.00	405.00
68.667	405.00	405.00	405.00	405.00	405.00
68.833	405.00	405.00	405.00	405.00	405.00
69.000	405.00	405.00	405.00	405.00	405.00
69.167	405.00	405.00	405.00	405.00	405.00
69.333	405.00	405.00	405.00	405.00	405.00
69.500	405.00	405.00	405.00	405.00	405.00
69.667	405.00	405.00	405.00	405.00	405.00
69.833	405.00	405.00	405.00	405.00	405.00
70.000	405.00	405.00	405.00	405.00	405.00
70.167	405.00	405.00	405.00	405.00	405.00
70.333	405.00	405.00	405.00	405.00	405.00
70.500	405.00	405.00	405.00	405.00	405.00
70.667	405.00	405.00	405.00	405.00	405.00
70.833	405.00	405.00	405.00	405.00	405.00
71.000	405.00	405.00	405.00	405.00	405.00
71.167	405.00	405.00	405.00	405.00	405.00
71.333	405.00	405.00	405.00	405.00	405.00
71.500	405.00	405.00	405.00	405.00	405.00
71.667	405.00	405.00	405.00	405.00	405.00
71.833	405.00	405.00	405.00	405.00	405.00
72.000	405.00	405.00	405.00	405.00	405.00
72.167	405.00	405.00	405.00	405.00	405.00
72.333	405.00	405.00	405.00	405.00	405.00
72.500	405.00	405.00	405.00	405.00	405.00
72.667	405.00	405.00	405.00	405.00	405.00
72.833	405.00	405.00	405.00	405.00	405.00
73.000	405.00	405.00	405.00	405.00	405.00
73.167	405.00	405.00	405.00	405.00	405.00
73.333	405.00	405.00	405.00	405.00	405.00
73.500	405.00	405.00	405.00	405.00	405.00
73.667	405.00	405.00	405.00	405.00	405.00
73.833	405.00	405.00	405.00	405.00	405.00
74.000	405.00	405.00	405.00	405.00	405.00
74.167	405.00	405.00	405.00	405.00	405.00
74.333	405.00	405.00	405.00	405.00	405.00
74.500	405.00	405.00	405.00	405.00	405.00
74.667	405.00	405.00	405.00	405.00	405.00
74.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
75.000	405.00	405.00	405.00	405.00	405.00
75.167	405.00	405.00	405.00	405.00	405.00
75.333	405.00	405.00	405.00	405.00	405.00
75.500	405.00	405.00	405.00	405.00	405.00
75.667	405.00	405.00	405.00	405.00	405.00
75.833	405.00	405.00	405.00	405.00	405.00
76.000	405.00	405.00	405.00	405.00	405.00
76.167	405.00	405.00	405.00	405.00	405.00
76.333	405.00	405.00	405.00	405.00	405.00
76.500	405.00	405.00	405.00	405.00	405.00
76.667	405.00	405.00	405.00	405.00	405.00
76.833	405.00	405.00	405.00	405.00	405.00
77.000	405.00	405.00	405.00	405.00	405.00
77.167	405.00	405.00	405.00	405.00	405.00
77.333	405.00	405.00	405.00	405.00	405.00
77.500	405.00	405.00	405.00	405.00	405.00
77.667	405.00	405.00	405.00	405.00	405.00
77.833	405.00	405.00	405.00	405.00	405.00
78.000	405.00	405.00	405.00	405.00	405.00
78.167	405.00	405.00	405.00	405.00	405.00
78.333	405.00	405.00	405.00	405.00	405.00
78.500	405.00	405.00	405.00	405.00	405.00
78.667	405.00	405.00	405.00	405.00	405.00
78.833	405.00	405.00	405.00	405.00	405.00
79.000	405.00	405.00	405.00	405.00	405.00
79.167	405.00	405.00	405.00	405.00	405.00
79.333	405.00	405.00	405.00	405.00	405.00
79.500	405.00	405.00	405.00	405.00	405.00
79.667	405.00	405.00	405.00	405.00	405.00
79.833	405.00	405.00	405.00	405.00	405.00
80.000	405.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	405.00	405.00	405.00	405.00	405.00
0.167	405.00	405.00	405.00	405.00	405.00
0.333	405.00	405.00	405.00	405.00	405.00
0.500	405.00	405.00	405.00	405.00	405.00
0.667	405.00	405.00	405.00	405.00	405.00
0.833	405.00	405.00	405.00	405.00	405.00
1.000	405.00	405.00	405.00	405.00	405.00
1.167	405.00	405.00	405.00	405.00	405.00
1.333	405.00	405.00	405.00	405.00	405.00
1.500	405.00	405.00	405.00	405.00	405.00
1.667	405.00	405.00	405.00	405.00	405.00
1.833	405.00	405.00	405.00	405.00	405.00
2.000	405.00	405.00	405.00	405.00	405.00
2.167	405.00	405.00	405.00	405.00	405.00
2.333	405.00	405.00	405.00	405.00	405.00
2.500	405.00	405.00	405.00	405.00	405.00
2.667	405.00	405.00	405.00	405.00	405.00
2.833	405.00	405.00	405.00	405.00	405.00
3.000	405.00	405.00	405.00	405.00	405.00
3.167	405.00	405.00	405.00	405.00	405.00
3.333	405.00	405.00	405.00	405.00	405.00
3.500	405.00	405.00	405.00	405.00	405.00
3.667	405.00	405.00	405.00	405.00	405.00
3.833	405.00	405.00	405.00	405.00	405.00
4.000	405.00	405.00	405.00	405.00	405.00
4.167	405.00	405.00	405.00	405.00	405.00
4.333	405.00	405.00	405.00	405.00	405.00
4.500	405.00	405.00	405.00	405.00	405.00
4.667	405.00	405.00	405.00	405.00	405.00
4.833	405.00	405.00	405.00	405.00	405.00
5.000	405.00	405.00	405.00	405.00	405.00
5.167	405.00	405.00	405.00	405.00	405.00
5.333	405.00	405.00	405.00	405.00	405.00
5.500	405.00	405.00	405.00	405.00	405.00
5.667	405.00	405.00	405.00	405.00	405.00
5.833	405.00	405.00	405.00	405.00	405.00
6.000	405.00	405.00	405.00	405.00	405.00
6.167	405.00	405.00	405.00	405.00	405.00
6.333	405.00	405.00	405.00	405.00	405.00
6.500	405.01	405.01	405.01	405.01	405.01

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
6.667	405.01	405.01	405.01	405.01	405.01
6.833	405.01	405.01	405.01	405.02	405.02
7.000	405.02	405.02	405.02	405.02	405.02
7.167	405.02	405.02	405.03	405.03	405.03
7.333	405.03	405.03	405.03	405.03	405.03
7.500	405.04	405.04	405.04	405.04	405.04
7.667	405.04	405.04	405.05	405.05	405.05
7.833	405.05	405.05	405.05	405.05	405.06
8.000	405.06	405.06	405.06	405.06	405.06
8.167	405.07	405.07	405.07	405.07	405.07
8.333	405.08	405.08	405.08	405.08	405.09
8.500	405.09	405.09	405.09	405.10	405.10
8.667	405.10	405.11	405.11	405.11	405.12
8.833	405.12	405.13	405.13	405.14	405.15
9.000	405.15	405.16	405.17	405.18	405.18
9.167	405.19	405.20	405.21	405.22	405.22
9.333	405.23	405.24	405.25	405.25	405.26
9.500	405.26	405.27	405.27	405.28	405.28
9.667	405.29	405.30	405.30	405.30	405.31
9.833	405.31	405.32	405.32	405.32	405.33
10.000	405.33	405.33	405.33	405.34	405.34
10.167	405.34	405.35	405.35	405.35	405.36
10.333	405.36	405.36	405.37	405.37	405.37
10.500	405.38	405.38	405.39	405.39	405.39
10.667	405.40	405.40	405.41	405.41	405.42
10.833	405.42	405.42	405.43	405.43	405.44
11.000	405.44	405.45	405.45	405.46	405.46
11.167	405.47	405.48	405.49	405.50	405.51
11.333	405.52	405.53	405.54	405.55	405.56
11.500	405.57	405.58	405.60	405.63	405.66
11.667	405.71	405.78	405.86	405.95	406.06
11.833	406.17	406.30	406.44	406.61	406.83
12.000	407.11	407.37	407.52	407.64	407.76
12.167	407.82	407.80	407.74	407.66	407.57
12.333	407.46	407.36	407.31	407.28	407.25
12.500	407.23	407.20	407.17	407.13	407.08
12.667	407.03	406.98	406.92	406.87	406.81
12.833	406.75	406.69	406.63	406.57	406.51
13.000	406.45	406.39	406.32	406.27	406.21
13.167	406.15	406.09	406.03	405.98	405.93
13.333	405.89	405.85	405.81	405.78	405.75

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
13.500	405.72	405.70	405.67	405.65	405.63
13.667	405.61	405.59	405.58	405.57	405.56
13.833	405.55	405.54	405.54	405.53	405.53
14.000	405.52	405.52	405.52	405.51	405.51
14.167	405.51	405.50	405.50	405.50	405.50
14.333	405.50	405.50	405.49	405.49	405.49
14.500	405.49	405.48	405.48	405.48	405.48
14.667	405.48	405.47	405.47	405.47	405.47
14.833	405.47	405.46	405.46	405.46	405.46
15.000	405.45	405.45	405.45	405.45	405.45
15.167	405.44	405.44	405.44	405.44	405.43
15.333	405.43	405.43	405.43	405.43	405.42
15.500	405.42	405.42	405.42	405.41	405.41
15.667	405.41	405.41	405.41	405.40	405.40
15.833	405.40	405.40	405.39	405.39	405.39
16.000	405.39	405.38	405.38	405.38	405.38
16.167	405.38	405.37	405.37	405.37	405.37
16.333	405.37	405.37	405.37	405.36	405.36
16.500	405.36	405.36	405.36	405.36	405.36
16.667	405.36	405.36	405.35	405.35	405.35
16.833	405.35	405.35	405.35	405.35	405.35
17.000	405.35	405.35	405.34	405.34	405.34
17.167	405.34	405.34	405.34	405.34	405.34
17.333	405.34	405.33	405.33	405.33	405.33
17.500	405.33	405.33	405.33	405.33	405.33
17.667	405.33	405.32	405.32	405.32	405.32
17.833	405.32	405.32	405.32	405.32	405.32
18.000	405.32	405.31	405.31	405.31	405.31
18.167	405.31	405.31	405.31	405.31	405.31
18.333	405.31	405.31	405.31	405.31	405.31
18.500	405.31	405.31	405.30	405.30	405.30
18.667	405.30	405.30	405.30	405.30	405.30
18.833	405.30	405.30	405.30	405.30	405.30
19.000	405.30	405.30	405.30	405.30	405.30
19.167	405.30	405.30	405.30	405.30	405.30
19.333	405.30	405.30	405.30	405.30	405.29
19.500	405.29	405.29	405.29	405.29	405.29
19.667	405.29	405.29	405.29	405.29	405.29
19.833	405.29	405.29	405.29	405.29	405.29
20.000	405.29	405.28	405.28	405.28	405.28
20.167	405.28	405.28	405.28	405.28	405.28

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
20.333	405.28	405.28	405.28	405.28	405.28
20.500	405.28	405.28	405.28	405.28	405.28
20.667	405.28	405.27	405.27	405.27	405.27
20.833	405.27	405.27	405.27	405.27	405.27
21.000	405.27	405.27	405.27	405.27	405.27
21.167	405.27	405.27	405.27	405.27	405.27
21.333	405.27	405.27	405.27	405.26	405.26
21.500	405.26	405.26	405.26	405.26	405.26
21.667	405.26	405.26	405.26	405.26	405.26
21.833	405.26	405.26	405.26	405.26	405.26
22.000	405.26	405.26	405.26	405.26	405.26
22.167	405.25	405.25	405.25	405.25	405.25
22.333	405.25	405.25	405.25	405.25	405.25
22.500	405.25	405.25	405.25	405.25	405.25
22.667	405.25	405.25	405.25	405.25	405.25
22.833	405.25	405.25	405.24	405.24	405.24
23.000	405.24	405.24	405.24	405.24	405.24
23.167	405.24	405.24	405.24	405.24	405.24
23.333	405.24	405.24	405.24	405.24	405.24
23.500	405.24	405.24	405.24	405.24	405.23
23.667	405.23	405.23	405.23	405.23	405.23
23.833	405.23	405.23	405.23	405.23	405.23
24.000	405.23	405.23	405.23	405.22	405.21
24.167	405.20	405.19	405.18	405.18	405.17
24.333	405.16	405.15	405.14	405.13	405.12
24.500	405.11	405.10	405.10	405.09	405.08
24.667	405.07	405.07	405.06	405.05	405.05
24.833	405.05	405.04	405.04	405.03	405.03
25.000	405.03	405.03	405.02	405.02	405.02
25.167	405.02	405.02	405.01	405.01	405.01
25.333	405.01	405.01	405.01	405.01	405.01
25.500	405.01	405.01	405.01	405.01	405.00
25.667	405.00	405.00	405.00	405.00	405.00
25.833	405.00	405.00	405.00	405.00	405.00
26.000	405.00	405.00	405.00	405.00	405.00
26.167	405.00	405.00	405.00	405.00	405.00
26.333	405.00	405.00	405.00	405.00	405.00
26.500	405.00	405.00	405.00	405.00	405.00
26.667	405.00	405.00	405.00	405.00	405.00
26.833	405.00	405.00	405.00	405.00	405.00
27.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
27.167	405.00	405.00	405.00	405.00	405.00
27.333	405.00	405.00	405.00	405.00	405.00
27.500	405.00	405.00	405.00	405.00	405.00
27.667	405.00	405.00	405.00	405.00	405.00
27.833	405.00	405.00	405.00	405.00	405.00
28.000	405.00	405.00	405.00	405.00	405.00
28.167	405.00	405.00	405.00	405.00	405.00
28.333	405.00	405.00	405.00	405.00	405.00
28.500	405.00	405.00	405.00	405.00	405.00
28.667	405.00	405.00	405.00	405.00	405.00
28.833	405.00	405.00	405.00	405.00	405.00
29.000	405.00	405.00	405.00	405.00	405.00
29.167	405.00	405.00	405.00	405.00	405.00
29.333	405.00	405.00	405.00	405.00	405.00
29.500	405.00	405.00	405.00	405.00	405.00
29.667	405.00	405.00	405.00	405.00	405.00
29.833	405.00	405.00	405.00	405.00	405.00
30.000	405.00	405.00	405.00	405.00	405.00
30.167	405.00	405.00	405.00	405.00	405.00
30.333	405.00	405.00	405.00	405.00	405.00
30.500	405.00	405.00	405.00	405.00	405.00
30.667	405.00	405.00	405.00	405.00	405.00
30.833	405.00	405.00	405.00	405.00	405.00
31.000	405.00	405.00	405.00	405.00	405.00
31.167	405.00	405.00	405.00	405.00	405.00
31.333	405.00	405.00	405.00	405.00	405.00
31.500	405.00	405.00	405.00	405.00	405.00
31.667	405.00	405.00	405.00	405.00	405.00
31.833	405.00	405.00	405.00	405.00	405.00
32.000	405.00	405.00	405.00	405.00	405.00
32.167	405.00	405.00	405.00	405.00	405.00
32.333	405.00	405.00	405.00	405.00	405.00
32.500	405.00	405.00	405.00	405.00	405.00
32.667	405.00	405.00	405.00	405.00	405.00
32.833	405.00	405.00	405.00	405.00	405.00
33.000	405.00	405.00	405.00	405.00	405.00
33.167	405.00	405.00	405.00	405.00	405.00
33.333	405.00	405.00	405.00	405.00	405.00
33.500	405.00	405.00	405.00	405.00	405.00
33.667	405.00	405.00	405.00	405.00	405.00
33.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
34.000	405.00	405.00	405.00	405.00	405.00
34.167	405.00	405.00	405.00	405.00	405.00
34.333	405.00	405.00	405.00	405.00	405.00
34.500	405.00	405.00	405.00	405.00	405.00
34.667	405.00	405.00	405.00	405.00	405.00
34.833	405.00	405.00	405.00	405.00	405.00
35.000	405.00	405.00	405.00	405.00	405.00
35.167	405.00	405.00	405.00	405.00	405.00
35.333	405.00	405.00	405.00	405.00	405.00
35.500	405.00	405.00	405.00	405.00	405.00
35.667	405.00	405.00	405.00	405.00	405.00
35.833	405.00	405.00	405.00	405.00	405.00
36.000	405.00	405.00	405.00	405.00	405.00
36.167	405.00	405.00	405.00	405.00	405.00
36.333	405.00	405.00	405.00	405.00	405.00
36.500	405.00	405.00	405.00	405.00	405.00
36.667	405.00	405.00	405.00	405.00	405.00
36.833	405.00	405.00	405.00	405.00	405.00
37.000	405.00	405.00	405.00	405.00	405.00
37.167	405.00	405.00	405.00	405.00	405.00
37.333	405.00	405.00	405.00	405.00	405.00
37.500	405.00	405.00	405.00	405.00	405.00
37.667	405.00	405.00	405.00	405.00	405.00
37.833	405.00	405.00	405.00	405.00	405.00
38.000	405.00	405.00	405.00	405.00	405.00
38.167	405.00	405.00	405.00	405.00	405.00
38.333	405.00	405.00	405.00	405.00	405.00
38.500	405.00	405.00	405.00	405.00	405.00
38.667	405.00	405.00	405.00	405.00	405.00
38.833	405.00	405.00	405.00	405.00	405.00
39.000	405.00	405.00	405.00	405.00	405.00
39.167	405.00	405.00	405.00	405.00	405.00
39.333	405.00	405.00	405.00	405.00	405.00
39.500	405.00	405.00	405.00	405.00	405.00
39.667	405.00	405.00	405.00	405.00	405.00
39.833	405.00	405.00	405.00	405.00	405.00
40.000	405.00	405.00	405.00	405.00	405.00
40.167	405.00	405.00	405.00	405.00	405.00
40.333	405.00	405.00	405.00	405.00	405.00
40.500	405.00	405.00	405.00	405.00	405.00
40.667	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
40.833	405.00	405.00	405.00	405.00	405.00
41.000	405.00	405.00	405.00	405.00	405.00
41.167	405.00	405.00	405.00	405.00	405.00
41.333	405.00	405.00	405.00	405.00	405.00
41.500	405.00	405.00	405.00	405.00	405.00
41.667	405.00	405.00	405.00	405.00	405.00
41.833	405.00	405.00	405.00	405.00	405.00
42.000	405.00	405.00	405.00	405.00	405.00
42.167	405.00	405.00	405.00	405.00	405.00
42.333	405.00	405.00	405.00	405.00	405.00
42.500	405.00	405.00	405.00	405.00	405.00
42.667	405.00	405.00	405.00	405.00	405.00
42.833	405.00	405.00	405.00	405.00	405.00
43.000	405.00	405.00	405.00	405.00	405.00
43.167	405.00	405.00	405.00	405.00	405.00
43.333	405.00	405.00	405.00	405.00	405.00
43.500	405.00	405.00	405.00	405.00	405.00
43.667	405.00	405.00	405.00	405.00	405.00
43.833	405.00	405.00	405.00	405.00	405.00
44.000	405.00	405.00	405.00	405.00	405.00
44.167	405.00	405.00	405.00	405.00	405.00
44.333	405.00	405.00	405.00	405.00	405.00
44.500	405.00	405.00	405.00	405.00	405.00
44.667	405.00	405.00	405.00	405.00	405.00
44.833	405.00	405.00	405.00	405.00	405.00
45.000	405.00	405.00	405.00	405.00	405.00
45.167	405.00	405.00	405.00	405.00	405.00
45.333	405.00	405.00	405.00	405.00	405.00
45.500	405.00	405.00	405.00	405.00	405.00
45.667	405.00	405.00	405.00	405.00	405.00
45.833	405.00	405.00	405.00	405.00	405.00
46.000	405.00	405.00	405.00	405.00	405.00
46.167	405.00	405.00	405.00	405.00	405.00
46.333	405.00	405.00	405.00	405.00	405.00
46.500	405.00	405.00	405.00	405.00	405.00
46.667	405.00	405.00	405.00	405.00	405.00
46.833	405.00	405.00	405.00	405.00	405.00
47.000	405.00	405.00	405.00	405.00	405.00
47.167	405.00	405.00	405.00	405.00	405.00
47.333	405.00	405.00	405.00	405.00	405.00
47.500	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
47.667	405.00	405.00	405.00	405.00	405.00
47.833	405.00	405.00	405.00	405.00	405.00
48.000	405.00	405.00	405.00	405.00	405.00
48.167	405.00	405.00	405.00	405.00	405.00
48.333	405.00	405.00	405.00	405.00	405.00
48.500	405.00	405.00	405.00	405.00	405.00
48.667	405.00	405.00	405.00	405.00	405.00
48.833	405.00	405.00	405.00	405.00	405.00
49.000	405.00	405.00	405.00	405.00	405.00
49.167	405.00	405.00	405.00	405.00	405.00
49.333	405.00	405.00	405.00	405.00	405.00
49.500	405.00	405.00	405.00	405.00	405.00
49.667	405.00	405.00	405.00	405.00	405.00
49.833	405.00	405.00	405.00	405.00	405.00
50.000	405.00	405.00	405.00	405.00	405.00
50.167	405.00	405.00	405.00	405.00	405.00
50.333	405.00	405.00	405.00	405.00	405.00
50.500	405.00	405.00	405.00	405.00	405.00
50.667	405.00	405.00	405.00	405.00	405.00
50.833	405.00	405.00	405.00	405.00	405.00
51.000	405.00	405.00	405.00	405.00	405.00
51.167	405.00	405.00	405.00	405.00	405.00
51.333	405.00	405.00	405.00	405.00	405.00
51.500	405.00	405.00	405.00	405.00	405.00
51.667	405.00	405.00	405.00	405.00	405.00
51.833	405.00	405.00	405.00	405.00	405.00
52.000	405.00	405.00	405.00	405.00	405.00
52.167	405.00	405.00	405.00	405.00	405.00
52.333	405.00	405.00	405.00	405.00	405.00
52.500	405.00	405.00	405.00	405.00	405.00
52.667	405.00	405.00	405.00	405.00	405.00
52.833	405.00	405.00	405.00	405.00	405.00
53.000	405.00	405.00	405.00	405.00	405.00
53.167	405.00	405.00	405.00	405.00	405.00
53.333	405.00	405.00	405.00	405.00	405.00
53.500	405.00	405.00	405.00	405.00	405.00
53.667	405.00	405.00	405.00	405.00	405.00
53.833	405.00	405.00	405.00	405.00	405.00
54.000	405.00	405.00	405.00	405.00	405.00
54.167	405.00	405.00	405.00	405.00	405.00
54.333	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
54.500	405.00	405.00	405.00	405.00	405.00
54.667	405.00	405.00	405.00	405.00	405.00
54.833	405.00	405.00	405.00	405.00	405.00
55.000	405.00	405.00	405.00	405.00	405.00
55.167	405.00	405.00	405.00	405.00	405.00
55.333	405.00	405.00	405.00	405.00	405.00
55.500	405.00	405.00	405.00	405.00	405.00
55.667	405.00	405.00	405.00	405.00	405.00
55.833	405.00	405.00	405.00	405.00	405.00
56.000	405.00	405.00	405.00	405.00	405.00
56.167	405.00	405.00	405.00	405.00	405.00
56.333	405.00	405.00	405.00	405.00	405.00
56.500	405.00	405.00	405.00	405.00	405.00
56.667	405.00	405.00	405.00	405.00	405.00
56.833	405.00	405.00	405.00	405.00	405.00
57.000	405.00	405.00	405.00	405.00	405.00
57.167	405.00	405.00	405.00	405.00	405.00
57.333	405.00	405.00	405.00	405.00	405.00
57.500	405.00	405.00	405.00	405.00	405.00
57.667	405.00	405.00	405.00	405.00	405.00
57.833	405.00	405.00	405.00	405.00	405.00
58.000	405.00	405.00	405.00	405.00	405.00
58.167	405.00	405.00	405.00	405.00	405.00
58.333	405.00	405.00	405.00	405.00	405.00
58.500	405.00	405.00	405.00	405.00	405.00
58.667	405.00	405.00	405.00	405.00	405.00
58.833	405.00	405.00	405.00	405.00	405.00
59.000	405.00	405.00	405.00	405.00	405.00
59.167	405.00	405.00	405.00	405.00	405.00
59.333	405.00	405.00	405.00	405.00	405.00
59.500	405.00	405.00	405.00	405.00	405.00
59.667	405.00	405.00	405.00	405.00	405.00
59.833	405.00	405.00	405.00	405.00	405.00
60.000	405.00	405.00	405.00	405.00	405.00
60.167	405.00	405.00	405.00	405.00	405.00
60.333	405.00	405.00	405.00	405.00	405.00
60.500	405.00	405.00	405.00	405.00	405.00
60.667	405.00	405.00	405.00	405.00	405.00
60.833	405.00	405.00	405.00	405.00	405.00
61.000	405.00	405.00	405.00	405.00	405.00
61.167	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
61.333	405.00	405.00	405.00	405.00	405.00
61.500	405.00	405.00	405.00	405.00	405.00
61.667	405.00	405.00	405.00	405.00	405.00
61.833	405.00	405.00	405.00	405.00	405.00
62.000	405.00	405.00	405.00	405.00	405.00
62.167	405.00	405.00	405.00	405.00	405.00
62.333	405.00	405.00	405.00	405.00	405.00
62.500	405.00	405.00	405.00	405.00	405.00
62.667	405.00	405.00	405.00	405.00	405.00
62.833	405.00	405.00	405.00	405.00	405.00
63.000	405.00	405.00	405.00	405.00	405.00
63.167	405.00	405.00	405.00	405.00	405.00
63.333	405.00	405.00	405.00	405.00	405.00
63.500	405.00	405.00	405.00	405.00	405.00
63.667	405.00	405.00	405.00	405.00	405.00
63.833	405.00	405.00	405.00	405.00	405.00
64.000	405.00	405.00	405.00	405.00	405.00
64.167	405.00	405.00	405.00	405.00	405.00
64.333	405.00	405.00	405.00	405.00	405.00
64.500	405.00	405.00	405.00	405.00	405.00
64.667	405.00	405.00	405.00	405.00	405.00
64.833	405.00	405.00	405.00	405.00	405.00
65.000	405.00	405.00	405.00	405.00	405.00
65.167	405.00	405.00	405.00	405.00	405.00
65.333	405.00	405.00	405.00	405.00	405.00
65.500	405.00	405.00	405.00	405.00	405.00
65.667	405.00	405.00	405.00	405.00	405.00
65.833	405.00	405.00	405.00	405.00	405.00
66.000	405.00	405.00	405.00	405.00	405.00
66.167	405.00	405.00	405.00	405.00	405.00
66.333	405.00	405.00	405.00	405.00	405.00
66.500	405.00	405.00	405.00	405.00	405.00
66.667	405.00	405.00	405.00	405.00	405.00
66.833	405.00	405.00	405.00	405.00	405.00
67.000	405.00	405.00	405.00	405.00	405.00
67.167	405.00	405.00	405.00	405.00	405.00
67.333	405.00	405.00	405.00	405.00	405.00
67.500	405.00	405.00	405.00	405.00	405.00
67.667	405.00	405.00	405.00	405.00	405.00
67.833	405.00	405.00	405.00	405.00	405.00
68.000	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
68.167	405.00	405.00	405.00	405.00	405.00
68.333	405.00	405.00	405.00	405.00	405.00
68.500	405.00	405.00	405.00	405.00	405.00
68.667	405.00	405.00	405.00	405.00	405.00
68.833	405.00	405.00	405.00	405.00	405.00
69.000	405.00	405.00	405.00	405.00	405.00
69.167	405.00	405.00	405.00	405.00	405.00
69.333	405.00	405.00	405.00	405.00	405.00
69.500	405.00	405.00	405.00	405.00	405.00
69.667	405.00	405.00	405.00	405.00	405.00
69.833	405.00	405.00	405.00	405.00	405.00
70.000	405.00	405.00	405.00	405.00	405.00
70.167	405.00	405.00	405.00	405.00	405.00
70.333	405.00	405.00	405.00	405.00	405.00
70.500	405.00	405.00	405.00	405.00	405.00
70.667	405.00	405.00	405.00	405.00	405.00
70.833	405.00	405.00	405.00	405.00	405.00
71.000	405.00	405.00	405.00	405.00	405.00
71.167	405.00	405.00	405.00	405.00	405.00
71.333	405.00	405.00	405.00	405.00	405.00
71.500	405.00	405.00	405.00	405.00	405.00
71.667	405.00	405.00	405.00	405.00	405.00
71.833	405.00	405.00	405.00	405.00	405.00
72.000	405.00	405.00	405.00	405.00	405.00
72.167	405.00	405.00	405.00	405.00	405.00
72.333	405.00	405.00	405.00	405.00	405.00
72.500	405.00	405.00	405.00	405.00	405.00
72.667	405.00	405.00	405.00	405.00	405.00
72.833	405.00	405.00	405.00	405.00	405.00
73.000	405.00	405.00	405.00	405.00	405.00
73.167	405.00	405.00	405.00	405.00	405.00
73.333	405.00	405.00	405.00	405.00	405.00
73.500	405.00	405.00	405.00	405.00	405.00
73.667	405.00	405.00	405.00	405.00	405.00
73.833	405.00	405.00	405.00	405.00	405.00
74.000	405.00	405.00	405.00	405.00	405.00
74.167	405.00	405.00	405.00	405.00	405.00
74.333	405.00	405.00	405.00	405.00	405.00
74.500	405.00	405.00	405.00	405.00	405.00
74.667	405.00	405.00	405.00	405.00	405.00
74.833	405.00	405.00	405.00	405.00	405.00

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Elevation (ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
75.000	405.00	405.00	405.00	405.00	405.00
75.167	405.00	405.00	405.00	405.00	405.00
75.333	405.00	405.00	405.00	405.00	405.00
75.500	405.00	405.00	405.00	405.00	405.00
75.667	405.00	405.00	405.00	405.00	405.00
75.833	405.00	405.00	405.00	405.00	405.00
76.000	405.00	405.00	405.00	405.00	405.00
76.167	405.00	405.00	405.00	405.00	405.00
76.333	405.00	405.00	405.00	405.00	405.00
76.500	405.00	405.00	405.00	405.00	405.00
76.667	405.00	405.00	405.00	405.00	405.00
76.833	405.00	405.00	405.00	405.00	405.00
77.000	405.00	405.00	405.00	405.00	405.00
77.167	405.00	405.00	405.00	405.00	405.00
77.333	405.00	405.00	405.00	405.00	405.00
77.500	405.00	405.00	405.00	405.00	405.00
77.667	405.00	405.00	405.00	405.00	405.00
77.833	405.00	405.00	405.00	405.00	405.00
78.000	405.00	405.00	405.00	405.00	405.00
78.167	405.00	405.00	405.00	405.00	405.00
78.333	405.00	405.00	405.00	405.00	405.00
78.500	405.00	405.00	405.00	405.00	405.00
78.667	405.00	405.00	405.00	405.00	405.00
78.833	405.00	405.00	405.00	405.00	405.00
79.000	405.00	405.00	405.00	405.00	405.00
79.167	405.00	405.00	405.00	405.00	405.00
79.333	405.00	405.00	405.00	405.00	405.00
79.500	405.00	405.00	405.00	405.00	405.00
79.667	405.00	405.00	405.00	405.00	405.00
79.833	405.00	405.00	405.00	405.00	405.00
80.000	405.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	0.000	0.000	0.000	0.000	0.000
0.167	0.000	0.000	0.000	0.000	0.000
0.333	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.667	0.000	0.000	0.000	0.000	0.000
0.833	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.167	0.000	0.000	0.000	0.000	0.000
1.333	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.667	0.000	0.000	0.000	0.000	0.000
1.833	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.167	0.000	0.000	0.000	0.000	0.000
2.333	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.667	0.000	0.000	0.000	0.000	0.000
2.833	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.167	0.000	0.000	0.000	0.000	0.000
3.333	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.667	0.000	0.000	0.000	0.000	0.000
3.833	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.167	0.000	0.000	0.000	0.000	0.000
4.333	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.667	0.000	0.000	0.000	0.000	0.000
4.833	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.167	0.000	0.000	0.000	0.000	0.000
5.333	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.667	0.000	0.000	0.000	0.000	0.000
5.833	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.167	0.000	0.000	0.000	0.000	0.000
6.333	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
6.667	0.000	0.000	0.000	0.000	0.000
6.833	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.167	0.000	0.000	0.000	0.000	0.000
7.333	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.667	0.000	0.000	0.000	0.000	0.000
7.833	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.167	0.000	0.000	0.000	0.000	0.000
8.333	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.667	0.000	0.000	0.000	0.000	0.000
8.833	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.167	0.000	0.000	0.000	0.000	0.000
9.333	0.000	0.000	0.000	0.000	0.000
9.500	0.000	0.000	0.000	0.000	0.000
9.667	0.000	0.000	0.000	0.000	0.000
9.833	0.001	0.001	0.001	0.001	0.001
10.000	0.001	0.001	0.001	0.001	0.001
10.167	0.001	0.001	0.001	0.001	0.001
10.333	0.001	0.001	0.001	0.001	0.001
10.500	0.001	0.001	0.001	0.001	0.002
10.667	0.002	0.002	0.002	0.002	0.002
10.833	0.002	0.002	0.002	0.002	0.002
11.000	0.002	0.002	0.003	0.003	0.003
11.167	0.003	0.003	0.003	0.004	0.004
11.333	0.004	0.004	0.005	0.005	0.005
11.500	0.006	0.006	0.006	0.007	0.007
11.667	0.008	0.009	0.009	0.010	0.011
11.833	0.012	0.013	0.015	0.016	0.018
12.000	0.021	0.025	0.029	0.034	0.038
12.167	0.041	0.043	0.044	0.044	0.044
12.333	0.043	0.042	0.041	0.040	0.038
12.500	0.036	0.034	0.032	0.029	0.027
12.667	0.025	0.023	0.021	0.019	0.018
12.833	0.016	0.015	0.014	0.013	0.013
13.000	0.012	0.012	0.012	0.011	0.011
13.167	0.011	0.010	0.010	0.010	0.010
13.333	0.010	0.010	0.010	0.010	0.010

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
13.500	0.009	0.009	0.009	0.009	0.009
13.667	0.009	0.009	0.009	0.009	0.009
13.833	0.009	0.009	0.009	0.009	0.009
14.000	0.009	0.009	0.008	0.008	0.008
14.167	0.008	0.008	0.008	0.008	0.008
14.333	0.008	0.008	0.008	0.008	0.008
14.500	0.008	0.008	0.008	0.008	0.008
14.667	0.008	0.008	0.008	0.008	0.008
14.833	0.008	0.008	0.008	0.008	0.008
15.000	0.008	0.008	0.008	0.008	0.008
15.167	0.008	0.008	0.007	0.007	0.007
15.333	0.007	0.007	0.007	0.007	0.007
15.500	0.007	0.007	0.007	0.007	0.007
15.667	0.007	0.007	0.007	0.007	0.007
15.833	0.007	0.007	0.007	0.007	0.007
16.000	0.007	0.007	0.007	0.007	0.007
16.167	0.006	0.006	0.006	0.006	0.006
16.333	0.006	0.006	0.006	0.006	0.006
16.500	0.006	0.006	0.006	0.006	0.006
16.667	0.006	0.006	0.006	0.006	0.006
16.833	0.006	0.006	0.006	0.006	0.006
17.000	0.006	0.006	0.006	0.006	0.006
17.167	0.006	0.006	0.006	0.006	0.006
17.333	0.006	0.006	0.006	0.006	0.005
17.500	0.005	0.005	0.005	0.005	0.005
17.667	0.005	0.005	0.005	0.005	0.005
17.833	0.005	0.005	0.005	0.005	0.005
18.000	0.005	0.005	0.005	0.005	0.005
18.167	0.005	0.005	0.005	0.005	0.005
18.333	0.005	0.005	0.005	0.005	0.005
18.500	0.005	0.005	0.005	0.005	0.005
18.667	0.005	0.005	0.005	0.005	0.005
18.833	0.005	0.005	0.005	0.005	0.005
19.000	0.005	0.005	0.005	0.005	0.005
19.167	0.005	0.005	0.005	0.005	0.005
19.333	0.005	0.005	0.005	0.005	0.005
19.500	0.005	0.005	0.005	0.005	0.005
19.667	0.005	0.004	0.004	0.004	0.004
19.833	0.004	0.004	0.004	0.004	0.004
20.000	0.004	0.004	0.004	0.004	0.004
20.167	0.004	0.004	0.004	0.004	0.004

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
20.333	0.004	0.004	0.004	0.004	0.004
20.500	0.004	0.004	0.004	0.004	0.004
20.667	0.004	0.004	0.004	0.003	0.003
20.833	0.003	0.003	0.003	0.003	0.003
21.000	0.003	0.003	0.003	0.003	0.003
21.167	0.003	0.003	0.003	0.003	0.003
21.333	0.003	0.003	0.003	0.003	0.003
21.500	0.002	0.002	0.002	0.002	0.002
21.667	0.002	0.002	0.002	0.002	0.002
21.833	0.002	0.002	0.002	0.002	0.002
22.000	0.002	0.002	0.002	0.002	0.002
22.167	0.002	0.002	0.002	0.002	0.002
22.333	0.002	0.002	0.002	0.002	0.002
22.500	0.002	0.002	0.002	0.002	0.002
22.667	0.002	0.002	0.002	0.002	0.002
22.833	0.002	0.002	0.002	0.002	0.002
23.000	0.002	0.002	0.002	0.002	0.002
23.167	0.002	0.002	0.002	0.002	0.002
23.333	0.002	0.002	0.002	0.002	0.002
23.500	0.002	0.001	0.001	0.001	0.001
23.667	0.001	0.001	0.001	0.001	0.001
23.833	0.001	0.001	0.001	0.001	0.001
24.000	0.001	0.001	0.001	0.001	0.001
24.167	0.001	0.001	0.001	0.001	0.001
24.333	0.001	0.001	0.001	0.001	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.667	0.000	0.000	0.000	0.000	0.000
24.833	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.167	0.000	0.000	0.000	0.000	0.000
25.333	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.667	0.000	0.000	0.000	0.000	0.000
25.833	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.167	0.000	0.000	0.000	0.000	0.000
26.333	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.667	0.000	0.000	0.000	0.000	0.000
26.833	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
27.167	0.000	0.000	0.000	0.000	0.000
27.333	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.667	0.000	0.000	0.000	0.000	0.000
27.833	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.167	0.000	0.000	0.000	0.000	0.000
28.333	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.667	0.000	0.000	0.000	0.000	0.000
28.833	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.167	0.000	0.000	0.000	0.000	0.000
29.333	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.667	0.000	0.000	0.000	0.000	0.000
29.833	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.167	0.000	0.000	0.000	0.000	0.000
30.333	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.667	0.000	0.000	0.000	0.000	0.000
30.833	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.167	0.000	0.000	0.000	0.000	0.000
31.333	0.000	0.000	0.000	0.000	0.000
31.500	0.000	0.000	0.000	0.000	0.000
31.667	0.000	0.000	0.000	0.000	0.000
31.833	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.167	0.000	0.000	0.000	0.000	0.000
32.333	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.667	0.000	0.000	0.000	0.000	0.000
32.833	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.167	0.000	0.000	0.000	0.000	0.000
33.333	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.667	0.000	0.000	0.000	0.000	0.000
33.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
34.000	0.000	0.000	0.000	0.000	0.000
34.167	0.000	0.000	0.000	0.000	0.000
34.333	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.667	0.000	0.000	0.000	0.000	0.000
34.833	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.167	0.000	0.000	0.000	0.000	0.000
35.333	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.667	0.000	0.000	0.000	0.000	0.000
35.833	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.167	0.000	0.000	0.000	0.000	0.000
36.333	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.667	0.000	0.000	0.000	0.000	0.000
36.833	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.167	0.000	0.000	0.000	0.000	0.000
37.333	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.667	0.000	0.000	0.000	0.000	0.000
37.833	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.167	0.000	0.000	0.000	0.000	0.000
38.333	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.667	0.000	0.000	0.000	0.000	0.000
38.833	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.167	0.000	0.000	0.000	0.000	0.000
39.333	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.667	0.000	0.000	0.000	0.000	0.000
39.833	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.167	0.000	0.000	0.000	0.000	0.000
40.333	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.667	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
40.833	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.167	0.000	0.000	0.000	0.000	0.000
41.333	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.667	0.000	0.000	0.000	0.000	0.000
41.833	0.000	0.000	0.000	0.000	0.000
42.000	0.000	0.000	0.000	0.000	0.000
42.167	0.000	0.000	0.000	0.000	0.000
42.333	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.667	0.000	0.000	0.000	0.000	0.000
42.833	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.167	0.000	0.000	0.000	0.000	0.000
43.333	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.667	0.000	0.000	0.000	0.000	0.000
43.833	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.167	0.000	0.000	0.000	0.000	0.000
44.333	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.667	0.000	0.000	0.000	0.000	0.000
44.833	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.167	0.000	0.000	0.000	0.000	0.000
45.333	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.667	0.000	0.000	0.000	0.000	0.000
45.833	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.167	0.000	0.000	0.000	0.000	0.000
46.333	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.667	0.000	0.000	0.000	0.000	0.000
46.833	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.167	0.000	0.000	0.000	0.000	0.000
47.333	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
47.667	0.000	0.000	0.000	0.000	0.000
47.833	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.167	0.000	0.000	0.000	0.000	0.000
48.333	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.667	0.000	0.000	0.000	0.000	0.000
48.833	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.167	0.000	0.000	0.000	0.000	0.000
49.333	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.667	0.000	0.000	0.000	0.000	0.000
49.833	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.167	0.000	0.000	0.000	0.000	0.000
50.333	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.667	0.000	0.000	0.000	0.000	0.000
50.833	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.167	0.000	0.000	0.000	0.000	0.000
51.333	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.667	0.000	0.000	0.000	0.000	0.000
51.833	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.167	0.000	0.000	0.000	0.000	0.000
52.333	0.000	0.000	0.000	0.000	0.000
52.500	0.000	0.000	0.000	0.000	0.000
52.667	0.000	0.000	0.000	0.000	0.000
52.833	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.167	0.000	0.000	0.000	0.000	0.000
53.333	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.667	0.000	0.000	0.000	0.000	0.000
53.833	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.167	0.000	0.000	0.000	0.000	0.000
54.333	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
54.500	0.000	0.000	0.000	0.000	0.000
54.667	0.000	0.000	0.000	0.000	0.000
54.833	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.167	0.000	0.000	0.000	0.000	0.000
55.333	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.667	0.000	0.000	0.000	0.000	0.000
55.833	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.167	0.000	0.000	0.000	0.000	0.000
56.333	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.667	0.000	0.000	0.000	0.000	0.000
56.833	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.167	0.000	0.000	0.000	0.000	0.000
57.333	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.667	0.000	0.000	0.000	0.000	0.000
57.833	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.167	0.000	0.000	0.000	0.000	0.000
58.333	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.667	0.000	0.000	0.000	0.000	0.000
58.833	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.167	0.000	0.000	0.000	0.000	0.000
59.333	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.667	0.000	0.000	0.000	0.000	0.000
59.833	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.167	0.000	0.000	0.000	0.000	0.000
60.333	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.667	0.000	0.000	0.000	0.000	0.000
60.833	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.167	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
61.333	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.667	0.000	0.000	0.000	0.000	0.000
61.833	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.167	0.000	0.000	0.000	0.000	0.000
62.333	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.667	0.000	0.000	0.000	0.000	0.000
62.833	0.000	0.000	0.000	0.000	0.000
63.000	0.000	0.000	0.000	0.000	0.000
63.167	0.000	0.000	0.000	0.000	0.000
63.333	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.667	0.000	0.000	0.000	0.000	0.000
63.833	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.167	0.000	0.000	0.000	0.000	0.000
64.333	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.667	0.000	0.000	0.000	0.000	0.000
64.833	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.167	0.000	0.000	0.000	0.000	0.000
65.333	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.667	0.000	0.000	0.000	0.000	0.000
65.833	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.167	0.000	0.000	0.000	0.000	0.000
66.333	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.667	0.000	0.000	0.000	0.000	0.000
66.833	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.167	0.000	0.000	0.000	0.000	0.000
67.333	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.667	0.000	0.000	0.000	0.000	0.000
67.833	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
68.167	0.000	0.000	0.000	0.000	0.000
68.333	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.667	0.000	0.000	0.000	0.000	0.000
68.833	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.167	0.000	0.000	0.000	0.000	0.000
69.333	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.667	0.000	0.000	0.000	0.000	0.000
69.833	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.167	0.000	0.000	0.000	0.000	0.000
70.333	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.667	0.000	0.000	0.000	0.000	0.000
70.833	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.167	0.000	0.000	0.000	0.000	0.000
71.333	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.667	0.000	0.000	0.000	0.000	0.000
71.833	0.000	0.000	0.000	0.000	0.000
72.000	0.000	0.000	0.000	0.000	0.000
72.167	0.000	0.000	0.000	0.000	0.000
72.333	0.000	0.000	0.000	0.000	0.000
72.500	0.000	0.000	0.000	0.000	0.000
72.667	0.000	0.000	0.000	0.000	0.000
72.833	0.000	0.000	0.000	0.000	0.000
73.000	0.000	0.000	0.000	0.000	0.000
73.167	0.000	0.000	0.000	0.000	0.000
73.333	0.000	0.000	0.000	0.000	0.000
73.500	0.000	0.000	0.000	0.000	0.000
73.667	0.000	0.000	0.000	0.000	0.000
73.833	0.000	0.000	0.000	0.000	0.000
74.000	0.000	0.000	0.000	0.000	0.000
74.167	0.000	0.000	0.000	0.000	0.000
74.333	0.000	0.000	0.000	0.000	0.000
74.500	0.000	0.000	0.000	0.000	0.000
74.667	0.000	0.000	0.000	0.000	0.000
74.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
75.000	0.000	0.000	0.000	0.000	0.000
75.167	0.000	0.000	0.000	0.000	0.000
75.333	0.000	0.000	0.000	0.000	0.000
75.500	0.000	0.000	0.000	0.000	0.000
75.667	0.000	0.000	0.000	0.000	0.000
75.833	0.000	0.000	0.000	0.000	0.000
76.000	0.000	0.000	0.000	0.000	0.000
76.167	0.000	0.000	0.000	0.000	0.000
76.333	0.000	0.000	0.000	0.000	0.000
76.500	0.000	0.000	0.000	0.000	0.000
76.667	0.000	0.000	0.000	0.000	0.000
76.833	0.000	0.000	0.000	0.000	0.000
77.000	0.000	0.000	0.000	0.000	0.000
77.167	0.000	0.000	0.000	0.000	0.000
77.333	0.000	0.000	0.000	0.000	0.000
77.500	0.000	0.000	0.000	0.000	0.000
77.667	0.000	0.000	0.000	0.000	0.000
77.833	0.000	0.000	0.000	0.000	0.000
78.000	0.000	0.000	0.000	0.000	0.000
78.167	0.000	0.000	0.000	0.000	0.000
78.333	0.000	0.000	0.000	0.000	0.000
78.500	0.000	0.000	0.000	0.000	0.000
78.667	0.000	0.000	0.000	0.000	0.000
78.833	0.000	0.000	0.000	0.000	0.000
79.000	0.000	0.000	0.000	0.000	0.000
79.167	0.000	0.000	0.000	0.000	0.000
79.333	0.000	0.000	0.000	0.000	0.000
79.500	0.000	0.000	0.000	0.000	0.000
79.667	0.000	0.000	0.000	0.000	0.000
79.833	0.000	0.000	0.000	0.000	0.000
80.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	0.000	0.000	0.000	0.000	0.000
0.167	0.000	0.000	0.000	0.000	0.000
0.333	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.667	0.000	0.000	0.000	0.000	0.000
0.833	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.167	0.000	0.000	0.000	0.000	0.000
1.333	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.667	0.000	0.000	0.000	0.000	0.000
1.833	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.167	0.000	0.000	0.000	0.000	0.000
2.333	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.667	0.000	0.000	0.000	0.000	0.000
2.833	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.167	0.000	0.000	0.000	0.000	0.000
3.333	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.667	0.000	0.000	0.000	0.000	0.000
3.833	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.167	0.000	0.000	0.000	0.000	0.000
4.333	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.667	0.000	0.000	0.000	0.000	0.000
4.833	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.167	0.000	0.000	0.000	0.000	0.000
5.333	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.667	0.000	0.000	0.000	0.000	0.000
5.833	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.167	0.000	0.000	0.000	0.000	0.000
6.333	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
6.667	0.000	0.000	0.000	0.000	0.000
6.833	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.167	0.000	0.000	0.000	0.000	0.000
7.333	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.667	0.000	0.000	0.000	0.000	0.000
7.833	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.167	0.000	0.000	0.000	0.000	0.000
8.333	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.001	0.001	0.001
8.667	0.001	0.001	0.001	0.001	0.001
8.833	0.001	0.001	0.001	0.001	0.001
9.000	0.001	0.001	0.001	0.001	0.001
9.167	0.001	0.001	0.001	0.001	0.001
9.333	0.001	0.001	0.002	0.002	0.002
9.500	0.002	0.002	0.002	0.002	0.002
9.667	0.002	0.002	0.002	0.002	0.002
9.833	0.002	0.002	0.002	0.003	0.003
10.000	0.003	0.003	0.003	0.003	0.003
10.167	0.003	0.003	0.004	0.004	0.004
10.333	0.004	0.004	0.005	0.005	0.005
10.500	0.005	0.005	0.006	0.006	0.006
10.667	0.006	0.006	0.007	0.007	0.007
10.833	0.007	0.007	0.007	0.008	0.008
11.000	0.008	0.008	0.008	0.008	0.008
11.167	0.008	0.009	0.009	0.009	0.009
11.333	0.009	0.009	0.010	0.010	0.010
11.500	0.010	0.011	0.011	0.011	0.012
11.667	0.013	0.014	0.015	0.016	0.018
11.833	0.020	0.022	0.024	0.027	0.032
12.000	0.038	0.046	0.055	0.064	0.073
12.167	0.079	0.080	0.080	0.079	0.078
12.333	0.077	0.076	0.075	0.074	0.072
12.500	0.070	0.068	0.065	0.062	0.059
12.667	0.056	0.053	0.050	0.047	0.044
12.833	0.041	0.038	0.036	0.033	0.031
13.000	0.028	0.026	0.024	0.022	0.021
13.167	0.019	0.018	0.017	0.016	0.015
13.333	0.014	0.014	0.013	0.013	0.013

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
13.500	0.012	0.012	0.012	0.012	0.012
13.667	0.012	0.012	0.011	0.011	0.011
13.833	0.011	0.011	0.011	0.011	0.011
14.000	0.011	0.011	0.011	0.010	0.010
14.167	0.010	0.010	0.010	0.010	0.010
14.333	0.010	0.010	0.010	0.010	0.010
14.500	0.010	0.010	0.010	0.010	0.010
14.667	0.010	0.010	0.010	0.010	0.009
14.833	0.009	0.009	0.009	0.009	0.009
15.000	0.009	0.009	0.009	0.009	0.009
15.167	0.009	0.009	0.009	0.009	0.009
15.333	0.009	0.009	0.009	0.009	0.009
15.500	0.009	0.009	0.009	0.008	0.008
15.667	0.008	0.008	0.008	0.008	0.008
15.833	0.008	0.008	0.008	0.008	0.008
16.000	0.008	0.008	0.008	0.008	0.008
16.167	0.008	0.008	0.008	0.008	0.008
16.333	0.008	0.008	0.008	0.008	0.008
16.500	0.008	0.008	0.008	0.008	0.008
16.667	0.008	0.007	0.007	0.007	0.007
16.833	0.007	0.007	0.007	0.007	0.007
17.000	0.007	0.007	0.007	0.007	0.007
17.167	0.007	0.007	0.007	0.007	0.007
17.333	0.007	0.007	0.007	0.007	0.007
17.500	0.007	0.007	0.007	0.007	0.007
17.667	0.007	0.007	0.007	0.007	0.007
17.833	0.007	0.007	0.007	0.006	0.006
18.000	0.006	0.006	0.006	0.006	0.006
18.167	0.006	0.006	0.006	0.006	0.006
18.333	0.006	0.006	0.006	0.006	0.006
18.500	0.006	0.006	0.006	0.006	0.006
18.667	0.006	0.006	0.006	0.006	0.006
18.833	0.006	0.006	0.006	0.006	0.006
19.000	0.006	0.006	0.006	0.006	0.006
19.167	0.006	0.006	0.006	0.006	0.006
19.333	0.006	0.006	0.006	0.006	0.006
19.500	0.006	0.006	0.006	0.006	0.006
19.667	0.006	0.006	0.006	0.006	0.006
19.833	0.006	0.006	0.006	0.006	0.006
20.000	0.006	0.006	0.006	0.006	0.006
20.167	0.006	0.006	0.006	0.006	0.005

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
20.333	0.005	0.005	0.005	0.005	0.005
20.500	0.005	0.005	0.005	0.005	0.005
20.667	0.005	0.005	0.005	0.005	0.005
20.833	0.005	0.005	0.005	0.005	0.005
21.000	0.005	0.005	0.005	0.005	0.005
21.167	0.005	0.005	0.005	0.005	0.005
21.333	0.005	0.005	0.005	0.005	0.005
21.500	0.005	0.005	0.005	0.005	0.005
21.667	0.005	0.005	0.005	0.005	0.005
21.833	0.005	0.005	0.005	0.005	0.005
22.000	0.005	0.005	0.005	0.005	0.005
22.167	0.005	0.005	0.005	0.005	0.005
22.333	0.005	0.005	0.005	0.005	0.005
22.500	0.005	0.005	0.005	0.005	0.005
22.667	0.005	0.005	0.005	0.005	0.005
22.833	0.005	0.005	0.005	0.005	0.005
23.000	0.005	0.005	0.005	0.005	0.005
23.167	0.005	0.005	0.005	0.005	0.005
23.333	0.005	0.005	0.005	0.005	0.005
23.500	0.005	0.005	0.005	0.005	0.005
23.667	0.005	0.005	0.005	0.005	0.005
23.833	0.005	0.005	0.005	0.005	0.004
24.000	0.004	0.004	0.004	0.004	0.004
24.167	0.004	0.004	0.003	0.003	0.003
24.333	0.003	0.003	0.002	0.002	0.002
24.500	0.002	0.002	0.001	0.001	0.001
24.667	0.001	0.001	0.001	0.001	0.001
24.833	0.001	0.001	0.001	0.001	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.167	0.000	0.000	0.000	0.000	0.000
25.333	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.667	0.000	0.000	0.000	0.000	0.000
25.833	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.167	0.000	0.000	0.000	0.000	0.000
26.333	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.667	0.000	0.000	0.000	0.000	0.000
26.833	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
27.167	0.000	0.000	0.000	0.000	0.000
27.333	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.667	0.000	0.000	0.000	0.000	0.000
27.833	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.167	0.000	0.000	0.000	0.000	0.000
28.333	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.667	0.000	0.000	0.000	0.000	0.000
28.833	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.167	0.000	0.000	0.000	0.000	0.000
29.333	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.667	0.000	0.000	0.000	0.000	0.000
29.833	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.167	0.000	0.000	0.000	0.000	0.000
30.333	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.667	0.000	0.000	0.000	0.000	0.000
30.833	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.167	0.000	0.000	0.000	0.000	0.000
31.333	0.000	0.000	0.000	0.000	0.000
31.500	0.000	0.000	0.000	0.000	0.000
31.667	0.000	0.000	0.000	0.000	0.000
31.833	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.167	0.000	0.000	0.000	0.000	0.000
32.333	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.667	0.000	0.000	0.000	0.000	0.000
32.833	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.167	0.000	0.000	0.000	0.000	0.000
33.333	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.667	0.000	0.000	0.000	0.000	0.000
33.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
34.000	0.000	0.000	0.000	0.000	0.000
34.167	0.000	0.000	0.000	0.000	0.000
34.333	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.667	0.000	0.000	0.000	0.000	0.000
34.833	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.167	0.000	0.000	0.000	0.000	0.000
35.333	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.667	0.000	0.000	0.000	0.000	0.000
35.833	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.167	0.000	0.000	0.000	0.000	0.000
36.333	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.667	0.000	0.000	0.000	0.000	0.000
36.833	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.167	0.000	0.000	0.000	0.000	0.000
37.333	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.667	0.000	0.000	0.000	0.000	0.000
37.833	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.167	0.000	0.000	0.000	0.000	0.000
38.333	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.667	0.000	0.000	0.000	0.000	0.000
38.833	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.167	0.000	0.000	0.000	0.000	0.000
39.333	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.667	0.000	0.000	0.000	0.000	0.000
39.833	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.167	0.000	0.000	0.000	0.000	0.000
40.333	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.667	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
40.833	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.167	0.000	0.000	0.000	0.000	0.000
41.333	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.667	0.000	0.000	0.000	0.000	0.000
41.833	0.000	0.000	0.000	0.000	0.000
42.000	0.000	0.000	0.000	0.000	0.000
42.167	0.000	0.000	0.000	0.000	0.000
42.333	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.667	0.000	0.000	0.000	0.000	0.000
42.833	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.167	0.000	0.000	0.000	0.000	0.000
43.333	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.667	0.000	0.000	0.000	0.000	0.000
43.833	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.167	0.000	0.000	0.000	0.000	0.000
44.333	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.667	0.000	0.000	0.000	0.000	0.000
44.833	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.167	0.000	0.000	0.000	0.000	0.000
45.333	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.667	0.000	0.000	0.000	0.000	0.000
45.833	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.167	0.000	0.000	0.000	0.000	0.000
46.333	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.667	0.000	0.000	0.000	0.000	0.000
46.833	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.167	0.000	0.000	0.000	0.000	0.000
47.333	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
47.667	0.000	0.000	0.000	0.000	0.000
47.833	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.167	0.000	0.000	0.000	0.000	0.000
48.333	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.667	0.000	0.000	0.000	0.000	0.000
48.833	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.167	0.000	0.000	0.000	0.000	0.000
49.333	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.667	0.000	0.000	0.000	0.000	0.000
49.833	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.167	0.000	0.000	0.000	0.000	0.000
50.333	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.667	0.000	0.000	0.000	0.000	0.000
50.833	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.167	0.000	0.000	0.000	0.000	0.000
51.333	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.667	0.000	0.000	0.000	0.000	0.000
51.833	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.167	0.000	0.000	0.000	0.000	0.000
52.333	0.000	0.000	0.000	0.000	0.000
52.500	0.000	0.000	0.000	0.000	0.000
52.667	0.000	0.000	0.000	0.000	0.000
52.833	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.167	0.000	0.000	0.000	0.000	0.000
53.333	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.667	0.000	0.000	0.000	0.000	0.000
53.833	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.167	0.000	0.000	0.000	0.000	0.000
54.333	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
54.500	0.000	0.000	0.000	0.000	0.000
54.667	0.000	0.000	0.000	0.000	0.000
54.833	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.167	0.000	0.000	0.000	0.000	0.000
55.333	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.667	0.000	0.000	0.000	0.000	0.000
55.833	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.167	0.000	0.000	0.000	0.000	0.000
56.333	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.667	0.000	0.000	0.000	0.000	0.000
56.833	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.167	0.000	0.000	0.000	0.000	0.000
57.333	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.667	0.000	0.000	0.000	0.000	0.000
57.833	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.167	0.000	0.000	0.000	0.000	0.000
58.333	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.667	0.000	0.000	0.000	0.000	0.000
58.833	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.167	0.000	0.000	0.000	0.000	0.000
59.333	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.667	0.000	0.000	0.000	0.000	0.000
59.833	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.167	0.000	0.000	0.000	0.000	0.000
60.333	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.667	0.000	0.000	0.000	0.000	0.000
60.833	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.167	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
61.333	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.667	0.000	0.000	0.000	0.000	0.000
61.833	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.167	0.000	0.000	0.000	0.000	0.000
62.333	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.667	0.000	0.000	0.000	0.000	0.000
62.833	0.000	0.000	0.000	0.000	0.000
63.000	0.000	0.000	0.000	0.000	0.000
63.167	0.000	0.000	0.000	0.000	0.000
63.333	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.667	0.000	0.000	0.000	0.000	0.000
63.833	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.167	0.000	0.000	0.000	0.000	0.000
64.333	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.667	0.000	0.000	0.000	0.000	0.000
64.833	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.167	0.000	0.000	0.000	0.000	0.000
65.333	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.667	0.000	0.000	0.000	0.000	0.000
65.833	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.167	0.000	0.000	0.000	0.000	0.000
66.333	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.667	0.000	0.000	0.000	0.000	0.000
66.833	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.167	0.000	0.000	0.000	0.000	0.000
67.333	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.667	0.000	0.000	0.000	0.000	0.000
67.833	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
68.167	0.000	0.000	0.000	0.000	0.000
68.333	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.667	0.000	0.000	0.000	0.000	0.000
68.833	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.167	0.000	0.000	0.000	0.000	0.000
69.333	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.667	0.000	0.000	0.000	0.000	0.000
69.833	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.167	0.000	0.000	0.000	0.000	0.000
70.333	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.667	0.000	0.000	0.000	0.000	0.000
70.833	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.167	0.000	0.000	0.000	0.000	0.000
71.333	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.667	0.000	0.000	0.000	0.000	0.000
71.833	0.000	0.000	0.000	0.000	0.000
72.000	0.000	0.000	0.000	0.000	0.000
72.167	0.000	0.000	0.000	0.000	0.000
72.333	0.000	0.000	0.000	0.000	0.000
72.500	0.000	0.000	0.000	0.000	0.000
72.667	0.000	0.000	0.000	0.000	0.000
72.833	0.000	0.000	0.000	0.000	0.000
73.000	0.000	0.000	0.000	0.000	0.000
73.167	0.000	0.000	0.000	0.000	0.000
73.333	0.000	0.000	0.000	0.000	0.000
73.500	0.000	0.000	0.000	0.000	0.000
73.667	0.000	0.000	0.000	0.000	0.000
73.833	0.000	0.000	0.000	0.000	0.000
74.000	0.000	0.000	0.000	0.000	0.000
74.167	0.000	0.000	0.000	0.000	0.000
74.333	0.000	0.000	0.000	0.000	0.000
74.500	0.000	0.000	0.000	0.000	0.000
74.667	0.000	0.000	0.000	0.000	0.000
74.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
75.000	0.000	0.000	0.000	0.000	0.000
75.167	0.000	0.000	0.000	0.000	0.000
75.333	0.000	0.000	0.000	0.000	0.000
75.500	0.000	0.000	0.000	0.000	0.000
75.667	0.000	0.000	0.000	0.000	0.000
75.833	0.000	0.000	0.000	0.000	0.000
76.000	0.000	0.000	0.000	0.000	0.000
76.167	0.000	0.000	0.000	0.000	0.000
76.333	0.000	0.000	0.000	0.000	0.000
76.500	0.000	0.000	0.000	0.000	0.000
76.667	0.000	0.000	0.000	0.000	0.000
76.833	0.000	0.000	0.000	0.000	0.000
77.000	0.000	0.000	0.000	0.000	0.000
77.167	0.000	0.000	0.000	0.000	0.000
77.333	0.000	0.000	0.000	0.000	0.000
77.500	0.000	0.000	0.000	0.000	0.000
77.667	0.000	0.000	0.000	0.000	0.000
77.833	0.000	0.000	0.000	0.000	0.000
78.000	0.000	0.000	0.000	0.000	0.000
78.167	0.000	0.000	0.000	0.000	0.000
78.333	0.000	0.000	0.000	0.000	0.000
78.500	0.000	0.000	0.000	0.000	0.000
78.667	0.000	0.000	0.000	0.000	0.000
78.833	0.000	0.000	0.000	0.000	0.000
79.000	0.000	0.000	0.000	0.000	0.000
79.167	0.000	0.000	0.000	0.000	0.000
79.333	0.000	0.000	0.000	0.000	0.000
79.500	0.000	0.000	0.000	0.000	0.000
79.667	0.000	0.000	0.000	0.000	0.000
79.833	0.000	0.000	0.000	0.000	0.000
80.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	0.000	0.000	0.000	0.000	0.000
0.167	0.000	0.000	0.000	0.000	0.000
0.333	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.667	0.000	0.000	0.000	0.000	0.000
0.833	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.167	0.000	0.000	0.000	0.000	0.000
1.333	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.667	0.000	0.000	0.000	0.000	0.000
1.833	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.167	0.000	0.000	0.000	0.000	0.000
2.333	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.667	0.000	0.000	0.000	0.000	0.000
2.833	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.167	0.000	0.000	0.000	0.000	0.000
3.333	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.667	0.000	0.000	0.000	0.000	0.000
3.833	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.167	0.000	0.000	0.000	0.000	0.000
4.333	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.667	0.000	0.000	0.000	0.000	0.000
4.833	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.167	0.000	0.000	0.000	0.000	0.000
5.333	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.667	0.000	0.000	0.000	0.000	0.000
5.833	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.167	0.000	0.000	0.000	0.000	0.000
6.333	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
6.667	0.000	0.000	0.000	0.000	0.000
6.833	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.167	0.000	0.000	0.000	0.000	0.000
7.333	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.667	0.000	0.000	0.000	0.000	0.000
7.833	0.000	0.000	0.000	0.000	0.001
8.000	0.001	0.001	0.001	0.001	0.001
8.167	0.001	0.001	0.001	0.001	0.001
8.333	0.001	0.001	0.001	0.001	0.001
8.500	0.001	0.001	0.001	0.001	0.001
8.667	0.001	0.001	0.001	0.001	0.001
8.833	0.001	0.001	0.002	0.002	0.002
9.000	0.002	0.002	0.002	0.002	0.002
9.167	0.002	0.002	0.002	0.002	0.002
9.333	0.002	0.002	0.003	0.003	0.003
9.500	0.003	0.003	0.003	0.003	0.003
9.667	0.003	0.004	0.004	0.004	0.004
9.833	0.004	0.004	0.005	0.005	0.005
10.000	0.005	0.005	0.006	0.006	0.006
10.167	0.006	0.006	0.006	0.007	0.007
10.333	0.007	0.007	0.007	0.007	0.007
10.500	0.008	0.008	0.008	0.008	0.008
10.667	0.008	0.008	0.008	0.008	0.009
10.833	0.009	0.009	0.009	0.009	0.009
11.000	0.009	0.009	0.009	0.009	0.010
11.167	0.010	0.010	0.010	0.010	0.011
11.333	0.011	0.011	0.011	0.012	0.012
11.500	0.012	0.012	0.013	0.013	0.014
11.667	0.015	0.016	0.018	0.020	0.022
11.833	0.025	0.027	0.031	0.035	0.041
12.000	0.050	0.060	0.072	0.081	0.086
12.167	0.086	0.085	0.083	0.081	0.080
12.333	0.079	0.078	0.077	0.076	0.075
12.500	0.073	0.072	0.069	0.067	0.064
12.667	0.061	0.058	0.056	0.053	0.050
12.833	0.047	0.045	0.042	0.039	0.037
13.000	0.035	0.032	0.030	0.028	0.026
13.167	0.024	0.022	0.021	0.020	0.019
13.333	0.018	0.017	0.016	0.015	0.015

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
13.500	0.014	0.014	0.013	0.013	0.013
13.667	0.013	0.013	0.013	0.013	0.012
13.833	0.012	0.012	0.012	0.012	0.012
14.000	0.012	0.012	0.012	0.012	0.011
14.167	0.011	0.011	0.011	0.011	0.011
14.333	0.011	0.011	0.011	0.011	0.011
14.500	0.011	0.011	0.011	0.011	0.011
14.667	0.011	0.010	0.010	0.010	0.010
14.833	0.010	0.010	0.010	0.010	0.010
15.000	0.010	0.010	0.010	0.010	0.010
15.167	0.010	0.010	0.010	0.010	0.010
15.333	0.010	0.010	0.009	0.009	0.009
15.500	0.009	0.009	0.009	0.009	0.009
15.667	0.009	0.009	0.009	0.009	0.009
15.833	0.009	0.009	0.009	0.009	0.009
16.000	0.009	0.009	0.009	0.008	0.008
16.167	0.008	0.008	0.008	0.008	0.008
16.333	0.008	0.008	0.008	0.008	0.008
16.500	0.008	0.008	0.008	0.008	0.008
16.667	0.008	0.008	0.008	0.008	0.008
16.833	0.008	0.008	0.008	0.008	0.008
17.000	0.008	0.008	0.008	0.008	0.008
17.167	0.008	0.008	0.008	0.008	0.008
17.333	0.008	0.008	0.008	0.008	0.007
17.500	0.007	0.007	0.007	0.007	0.007
17.667	0.007	0.007	0.007	0.007	0.007
17.833	0.007	0.007	0.007	0.007	0.007
18.000	0.007	0.007	0.007	0.007	0.007
18.167	0.007	0.007	0.007	0.007	0.007
18.333	0.007	0.007	0.007	0.007	0.007
18.500	0.007	0.007	0.007	0.007	0.007
18.667	0.007	0.007	0.007	0.007	0.007
18.833	0.007	0.007	0.006	0.006	0.006
19.000	0.006	0.006	0.006	0.006	0.006
19.167	0.006	0.006	0.006	0.006	0.006
19.333	0.006	0.006	0.006	0.006	0.006
19.500	0.006	0.006	0.006	0.006	0.006
19.667	0.006	0.006	0.006	0.006	0.006
19.833	0.006	0.006	0.006	0.006	0.006
20.000	0.006	0.006	0.006	0.006	0.006
20.167	0.006	0.006	0.006	0.006	0.006

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
20.333	0.006	0.006	0.006	0.006	0.006
20.500	0.006	0.006	0.006	0.006	0.006
20.667	0.006	0.006	0.006	0.006	0.006
20.833	0.006	0.006	0.006	0.006	0.006
21.000	0.006	0.006	0.006	0.006	0.006
21.167	0.006	0.006	0.006	0.006	0.006
21.333	0.006	0.006	0.006	0.006	0.006
21.500	0.006	0.006	0.006	0.006	0.006
21.667	0.006	0.006	0.006	0.006	0.006
21.833	0.006	0.006	0.006	0.006	0.006
22.000	0.006	0.006	0.006	0.005	0.005
22.167	0.005	0.005	0.005	0.005	0.005
22.333	0.005	0.005	0.005	0.005	0.005
22.500	0.005	0.005	0.005	0.005	0.005
22.667	0.005	0.005	0.005	0.005	0.005
22.833	0.005	0.005	0.005	0.005	0.005
23.000	0.005	0.005	0.005	0.005	0.005
23.167	0.005	0.005	0.005	0.005	0.005
23.333	0.005	0.005	0.005	0.005	0.005
23.500	0.005	0.005	0.005	0.005	0.005
23.667	0.005	0.005	0.005	0.005	0.005
23.833	0.005	0.005	0.005	0.005	0.005
24.000	0.005	0.005	0.005	0.005	0.005
24.167	0.004	0.004	0.004	0.004	0.004
24.333	0.003	0.003	0.003	0.003	0.002
24.500	0.002	0.002	0.002	0.002	0.002
24.667	0.001	0.001	0.001	0.001	0.001
24.833	0.001	0.001	0.001	0.001	0.001
25.000	0.001	0.000	0.000	0.000	0.000
25.167	0.000	0.000	0.000	0.000	0.000
25.333	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.667	0.000	0.000	0.000	0.000	0.000
25.833	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.167	0.000	0.000	0.000	0.000	0.000
26.333	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.667	0.000	0.000	0.000	0.000	0.000
26.833	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
27.167	0.000	0.000	0.000	0.000	0.000
27.333	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.667	0.000	0.000	0.000	0.000	0.000
27.833	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.167	0.000	0.000	0.000	0.000	0.000
28.333	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.667	0.000	0.000	0.000	0.000	0.000
28.833	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.167	0.000	0.000	0.000	0.000	0.000
29.333	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.667	0.000	0.000	0.000	0.000	0.000
29.833	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.167	0.000	0.000	0.000	0.000	0.000
30.333	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.667	0.000	0.000	0.000	0.000	0.000
30.833	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.167	0.000	0.000	0.000	0.000	0.000
31.333	0.000	0.000	0.000	0.000	0.000
31.500	0.000	0.000	0.000	0.000	0.000
31.667	0.000	0.000	0.000	0.000	0.000
31.833	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.167	0.000	0.000	0.000	0.000	0.000
32.333	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.667	0.000	0.000	0.000	0.000	0.000
32.833	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.167	0.000	0.000	0.000	0.000	0.000
33.333	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.667	0.000	0.000	0.000	0.000	0.000
33.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
34.000	0.000	0.000	0.000	0.000	0.000
34.167	0.000	0.000	0.000	0.000	0.000
34.333	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.667	0.000	0.000	0.000	0.000	0.000
34.833	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.167	0.000	0.000	0.000	0.000	0.000
35.333	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.667	0.000	0.000	0.000	0.000	0.000
35.833	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.167	0.000	0.000	0.000	0.000	0.000
36.333	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.667	0.000	0.000	0.000	0.000	0.000
36.833	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.167	0.000	0.000	0.000	0.000	0.000
37.333	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.667	0.000	0.000	0.000	0.000	0.000
37.833	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.167	0.000	0.000	0.000	0.000	0.000
38.333	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.667	0.000	0.000	0.000	0.000	0.000
38.833	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.167	0.000	0.000	0.000	0.000	0.000
39.333	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.667	0.000	0.000	0.000	0.000	0.000
39.833	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.167	0.000	0.000	0.000	0.000	0.000
40.333	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.667	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
40.833	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.167	0.000	0.000	0.000	0.000	0.000
41.333	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.667	0.000	0.000	0.000	0.000	0.000
41.833	0.000	0.000	0.000	0.000	0.000
42.000	0.000	0.000	0.000	0.000	0.000
42.167	0.000	0.000	0.000	0.000	0.000
42.333	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.667	0.000	0.000	0.000	0.000	0.000
42.833	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.167	0.000	0.000	0.000	0.000	0.000
43.333	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.667	0.000	0.000	0.000	0.000	0.000
43.833	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.167	0.000	0.000	0.000	0.000	0.000
44.333	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.667	0.000	0.000	0.000	0.000	0.000
44.833	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.167	0.000	0.000	0.000	0.000	0.000
45.333	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.667	0.000	0.000	0.000	0.000	0.000
45.833	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.167	0.000	0.000	0.000	0.000	0.000
46.333	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.667	0.000	0.000	0.000	0.000	0.000
46.833	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.167	0.000	0.000	0.000	0.000	0.000
47.333	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
47.667	0.000	0.000	0.000	0.000	0.000
47.833	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.167	0.000	0.000	0.000	0.000	0.000
48.333	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.667	0.000	0.000	0.000	0.000	0.000
48.833	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.167	0.000	0.000	0.000	0.000	0.000
49.333	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.667	0.000	0.000	0.000	0.000	0.000
49.833	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.167	0.000	0.000	0.000	0.000	0.000
50.333	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.667	0.000	0.000	0.000	0.000	0.000
50.833	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.167	0.000	0.000	0.000	0.000	0.000
51.333	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.667	0.000	0.000	0.000	0.000	0.000
51.833	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.167	0.000	0.000	0.000	0.000	0.000
52.333	0.000	0.000	0.000	0.000	0.000
52.500	0.000	0.000	0.000	0.000	0.000
52.667	0.000	0.000	0.000	0.000	0.000
52.833	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.167	0.000	0.000	0.000	0.000	0.000
53.333	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.667	0.000	0.000	0.000	0.000	0.000
53.833	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.167	0.000	0.000	0.000	0.000	0.000
54.333	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
54.500	0.000	0.000	0.000	0.000	0.000
54.667	0.000	0.000	0.000	0.000	0.000
54.833	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.167	0.000	0.000	0.000	0.000	0.000
55.333	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.667	0.000	0.000	0.000	0.000	0.000
55.833	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.167	0.000	0.000	0.000	0.000	0.000
56.333	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.667	0.000	0.000	0.000	0.000	0.000
56.833	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.167	0.000	0.000	0.000	0.000	0.000
57.333	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.667	0.000	0.000	0.000	0.000	0.000
57.833	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.167	0.000	0.000	0.000	0.000	0.000
58.333	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.667	0.000	0.000	0.000	0.000	0.000
58.833	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.167	0.000	0.000	0.000	0.000	0.000
59.333	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.667	0.000	0.000	0.000	0.000	0.000
59.833	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.167	0.000	0.000	0.000	0.000	0.000
60.333	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.667	0.000	0.000	0.000	0.000	0.000
60.833	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.167	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
61.333	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.667	0.000	0.000	0.000	0.000	0.000
61.833	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.167	0.000	0.000	0.000	0.000	0.000
62.333	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.667	0.000	0.000	0.000	0.000	0.000
62.833	0.000	0.000	0.000	0.000	0.000
63.000	0.000	0.000	0.000	0.000	0.000
63.167	0.000	0.000	0.000	0.000	0.000
63.333	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.667	0.000	0.000	0.000	0.000	0.000
63.833	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.167	0.000	0.000	0.000	0.000	0.000
64.333	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.667	0.000	0.000	0.000	0.000	0.000
64.833	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.167	0.000	0.000	0.000	0.000	0.000
65.333	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.667	0.000	0.000	0.000	0.000	0.000
65.833	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.167	0.000	0.000	0.000	0.000	0.000
66.333	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.667	0.000	0.000	0.000	0.000	0.000
66.833	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.167	0.000	0.000	0.000	0.000	0.000
67.333	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.667	0.000	0.000	0.000	0.000	0.000
67.833	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
68.167	0.000	0.000	0.000	0.000	0.000
68.333	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.667	0.000	0.000	0.000	0.000	0.000
68.833	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.167	0.000	0.000	0.000	0.000	0.000
69.333	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.667	0.000	0.000	0.000	0.000	0.000
69.833	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.167	0.000	0.000	0.000	0.000	0.000
70.333	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.667	0.000	0.000	0.000	0.000	0.000
70.833	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.167	0.000	0.000	0.000	0.000	0.000
71.333	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.667	0.000	0.000	0.000	0.000	0.000
71.833	0.000	0.000	0.000	0.000	0.000
72.000	0.000	0.000	0.000	0.000	0.000
72.167	0.000	0.000	0.000	0.000	0.000
72.333	0.000	0.000	0.000	0.000	0.000
72.500	0.000	0.000	0.000	0.000	0.000
72.667	0.000	0.000	0.000	0.000	0.000
72.833	0.000	0.000	0.000	0.000	0.000
73.000	0.000	0.000	0.000	0.000	0.000
73.167	0.000	0.000	0.000	0.000	0.000
73.333	0.000	0.000	0.000	0.000	0.000
73.500	0.000	0.000	0.000	0.000	0.000
73.667	0.000	0.000	0.000	0.000	0.000
73.833	0.000	0.000	0.000	0.000	0.000
74.000	0.000	0.000	0.000	0.000	0.000
74.167	0.000	0.000	0.000	0.000	0.000
74.333	0.000	0.000	0.000	0.000	0.000
74.500	0.000	0.000	0.000	0.000	0.000
74.667	0.000	0.000	0.000	0.000	0.000
74.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
75.000	0.000	0.000	0.000	0.000	0.000
75.167	0.000	0.000	0.000	0.000	0.000
75.333	0.000	0.000	0.000	0.000	0.000
75.500	0.000	0.000	0.000	0.000	0.000
75.667	0.000	0.000	0.000	0.000	0.000
75.833	0.000	0.000	0.000	0.000	0.000
76.000	0.000	0.000	0.000	0.000	0.000
76.167	0.000	0.000	0.000	0.000	0.000
76.333	0.000	0.000	0.000	0.000	0.000
76.500	0.000	0.000	0.000	0.000	0.000
76.667	0.000	0.000	0.000	0.000	0.000
76.833	0.000	0.000	0.000	0.000	0.000
77.000	0.000	0.000	0.000	0.000	0.000
77.167	0.000	0.000	0.000	0.000	0.000
77.333	0.000	0.000	0.000	0.000	0.000
77.500	0.000	0.000	0.000	0.000	0.000
77.667	0.000	0.000	0.000	0.000	0.000
77.833	0.000	0.000	0.000	0.000	0.000
78.000	0.000	0.000	0.000	0.000	0.000
78.167	0.000	0.000	0.000	0.000	0.000
78.333	0.000	0.000	0.000	0.000	0.000
78.500	0.000	0.000	0.000	0.000	0.000
78.667	0.000	0.000	0.000	0.000	0.000
78.833	0.000	0.000	0.000	0.000	0.000
79.000	0.000	0.000	0.000	0.000	0.000
79.167	0.000	0.000	0.000	0.000	0.000
79.333	0.000	0.000	0.000	0.000	0.000
79.500	0.000	0.000	0.000	0.000	0.000
79.667	0.000	0.000	0.000	0.000	0.000
79.833	0.000	0.000	0.000	0.000	0.000
80.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	0.000	0.000	0.000	0.000	0.000
0.167	0.000	0.000	0.000	0.000	0.000
0.333	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.667	0.000	0.000	0.000	0.000	0.000
0.833	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.167	0.000	0.000	0.000	0.000	0.000
1.333	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.667	0.000	0.000	0.000	0.000	0.000
1.833	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.167	0.000	0.000	0.000	0.000	0.000
2.333	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.667	0.000	0.000	0.000	0.000	0.000
2.833	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.167	0.000	0.000	0.000	0.000	0.000
3.333	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.667	0.000	0.000	0.000	0.000	0.000
3.833	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.167	0.000	0.000	0.000	0.000	0.000
4.333	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.667	0.000	0.000	0.000	0.000	0.000
4.833	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.167	0.000	0.000	0.000	0.000	0.000
5.333	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.667	0.000	0.000	0.000	0.000	0.000
5.833	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.167	0.000	0.000	0.000	0.000	0.000
6.333	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
6.667	0.000	0.000	0.000	0.000	0.000
6.833	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.167	0.000	0.000	0.000	0.000	0.000
7.333	0.001	0.001	0.001	0.001	0.001
7.500	0.001	0.001	0.001	0.001	0.001
7.667	0.001	0.001	0.001	0.001	0.001
7.833	0.001	0.001	0.001	0.001	0.001
8.000	0.001	0.001	0.001	0.001	0.001
8.167	0.001	0.001	0.001	0.001	0.001
8.333	0.002	0.002	0.002	0.002	0.002
8.500	0.002	0.002	0.002	0.002	0.002
8.667	0.002	0.002	0.002	0.002	0.002
8.833	0.002	0.003	0.003	0.003	0.003
9.000	0.003	0.003	0.003	0.003	0.003
9.167	0.004	0.004	0.004	0.004	0.004
9.333	0.005	0.005	0.005	0.005	0.005
9.500	0.006	0.006	0.006	0.006	0.006
9.667	0.006	0.006	0.007	0.007	0.007
9.833	0.007	0.007	0.007	0.007	0.008
10.000	0.008	0.008	0.008	0.008	0.008
10.167	0.008	0.008	0.008	0.008	0.008
10.333	0.008	0.009	0.009	0.009	0.009
10.500	0.009	0.009	0.009	0.009	0.009
10.667	0.009	0.010	0.010	0.010	0.010
10.833	0.010	0.010	0.010	0.010	0.010
11.000	0.011	0.011	0.011	0.011	0.011
11.167	0.011	0.012	0.012	0.012	0.012
11.333	0.013	0.013	0.013	0.013	0.014
11.500	0.014	0.014	0.015	0.015	0.016
11.667	0.018	0.019	0.022	0.024	0.027
11.833	0.031	0.035	0.040	0.045	0.053
12.000	0.065	0.077	0.087	0.092	0.098
12.167	0.101	0.100	0.097	0.093	0.087
12.333	0.083	0.081	0.079	0.078	0.077
12.500	0.075	0.074	0.073	0.071	0.068
12.667	0.066	0.063	0.061	0.058	0.056
12.833	0.053	0.051	0.048	0.046	0.043
13.000	0.041	0.039	0.037	0.035	0.032
13.167	0.030	0.028	0.027	0.025	0.024
13.333	0.022	0.021	0.020	0.019	0.018

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
13.500	0.018	0.017	0.016	0.016	0.015
13.667	0.015	0.014	0.014	0.014	0.014
13.833	0.014	0.013	0.013	0.013	0.013
14.000	0.013	0.013	0.013	0.013	0.013
14.167	0.013	0.012	0.012	0.012	0.012
14.333	0.012	0.012	0.012	0.012	0.012
14.500	0.012	0.012	0.012	0.012	0.012
14.667	0.012	0.012	0.012	0.011	0.011
14.833	0.011	0.011	0.011	0.011	0.011
15.000	0.011	0.011	0.011	0.011	0.011
15.167	0.011	0.011	0.011	0.011	0.011
15.333	0.010	0.010	0.010	0.010	0.010
15.500	0.010	0.010	0.010	0.010	0.010
15.667	0.010	0.010	0.010	0.010	0.010
15.833	0.010	0.010	0.010	0.009	0.009
16.000	0.009	0.009	0.009	0.009	0.009
16.167	0.009	0.009	0.009	0.009	0.009
16.333	0.009	0.009	0.009	0.009	0.009
16.500	0.009	0.009	0.009	0.009	0.009
16.667	0.009	0.009	0.009	0.009	0.008
16.833	0.008	0.008	0.008	0.008	0.008
17.000	0.008	0.008	0.008	0.008	0.008
17.167	0.008	0.008	0.008	0.008	0.008
17.333	0.008	0.008	0.008	0.008	0.008
17.500	0.008	0.008	0.008	0.008	0.008
17.667	0.008	0.008	0.008	0.008	0.008
17.833	0.008	0.008	0.008	0.008	0.008
18.000	0.008	0.008	0.008	0.007	0.007
18.167	0.007	0.007	0.007	0.007	0.007
18.333	0.007	0.007	0.007	0.007	0.007
18.500	0.007	0.007	0.007	0.007	0.007
18.667	0.007	0.007	0.007	0.007	0.007
18.833	0.007	0.007	0.007	0.007	0.007
19.000	0.007	0.007	0.007	0.007	0.007
19.167	0.007	0.007	0.007	0.007	0.007
19.333	0.007	0.007	0.007	0.007	0.007
19.500	0.007	0.007	0.007	0.007	0.007
19.667	0.007	0.007	0.007	0.007	0.007
19.833	0.007	0.007	0.007	0.007	0.007
20.000	0.007	0.007	0.007	0.007	0.007
20.167	0.007	0.007	0.007	0.007	0.007

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
20.333	0.007	0.007	0.007	0.007	0.007
20.500	0.007	0.007	0.007	0.006	0.006
20.667	0.006	0.006	0.006	0.006	0.006
20.833	0.006	0.006	0.006	0.006	0.006
21.000	0.006	0.006	0.006	0.006	0.006
21.167	0.006	0.006	0.006	0.006	0.006
21.333	0.006	0.006	0.006	0.006	0.006
21.500	0.006	0.006	0.006	0.006	0.006
21.667	0.006	0.006	0.006	0.006	0.006
21.833	0.006	0.006	0.006	0.006	0.006
22.000	0.006	0.006	0.006	0.006	0.006
22.167	0.006	0.006	0.006	0.006	0.006
22.333	0.006	0.006	0.006	0.006	0.006
22.500	0.006	0.006	0.006	0.006	0.006
22.667	0.006	0.006	0.006	0.006	0.006
22.833	0.006	0.006	0.006	0.006	0.006
23.000	0.006	0.006	0.006	0.006	0.006
23.167	0.006	0.006	0.006	0.006	0.006
23.333	0.006	0.006	0.006	0.006	0.006
23.500	0.006	0.006	0.006	0.006	0.006
23.667	0.006	0.005	0.005	0.005	0.005
23.833	0.005	0.005	0.005	0.005	0.005
24.000	0.005	0.005	0.005	0.005	0.005
24.167	0.005	0.005	0.004	0.004	0.004
24.333	0.004	0.003	0.003	0.003	0.003
24.500	0.003	0.002	0.002	0.002	0.002
24.667	0.002	0.001	0.001	0.001	0.001
24.833	0.001	0.001	0.001	0.001	0.001
25.000	0.001	0.001	0.001	0.000	0.000
25.167	0.000	0.000	0.000	0.000	0.000
25.333	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.667	0.000	0.000	0.000	0.000	0.000
25.833	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.167	0.000	0.000	0.000	0.000	0.000
26.333	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.667	0.000	0.000	0.000	0.000	0.000
26.833	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
27.167	0.000	0.000	0.000	0.000	0.000
27.333	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.667	0.000	0.000	0.000	0.000	0.000
27.833	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.167	0.000	0.000	0.000	0.000	0.000
28.333	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.667	0.000	0.000	0.000	0.000	0.000
28.833	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.167	0.000	0.000	0.000	0.000	0.000
29.333	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.667	0.000	0.000	0.000	0.000	0.000
29.833	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.167	0.000	0.000	0.000	0.000	0.000
30.333	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.667	0.000	0.000	0.000	0.000	0.000
30.833	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.167	0.000	0.000	0.000	0.000	0.000
31.333	0.000	0.000	0.000	0.000	0.000
31.500	0.000	0.000	0.000	0.000	0.000
31.667	0.000	0.000	0.000	0.000	0.000
31.833	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.167	0.000	0.000	0.000	0.000	0.000
32.333	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.667	0.000	0.000	0.000	0.000	0.000
32.833	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.167	0.000	0.000	0.000	0.000	0.000
33.333	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.667	0.000	0.000	0.000	0.000	0.000
33.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
34.000	0.000	0.000	0.000	0.000	0.000
34.167	0.000	0.000	0.000	0.000	0.000
34.333	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.667	0.000	0.000	0.000	0.000	0.000
34.833	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.167	0.000	0.000	0.000	0.000	0.000
35.333	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.667	0.000	0.000	0.000	0.000	0.000
35.833	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.167	0.000	0.000	0.000	0.000	0.000
36.333	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.667	0.000	0.000	0.000	0.000	0.000
36.833	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.167	0.000	0.000	0.000	0.000	0.000
37.333	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.667	0.000	0.000	0.000	0.000	0.000
37.833	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.167	0.000	0.000	0.000	0.000	0.000
38.333	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.667	0.000	0.000	0.000	0.000	0.000
38.833	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.167	0.000	0.000	0.000	0.000	0.000
39.333	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.667	0.000	0.000	0.000	0.000	0.000
39.833	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.167	0.000	0.000	0.000	0.000	0.000
40.333	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.667	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
40.833	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.167	0.000	0.000	0.000	0.000	0.000
41.333	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.667	0.000	0.000	0.000	0.000	0.000
41.833	0.000	0.000	0.000	0.000	0.000
42.000	0.000	0.000	0.000	0.000	0.000
42.167	0.000	0.000	0.000	0.000	0.000
42.333	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.667	0.000	0.000	0.000	0.000	0.000
42.833	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.167	0.000	0.000	0.000	0.000	0.000
43.333	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.667	0.000	0.000	0.000	0.000	0.000
43.833	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.167	0.000	0.000	0.000	0.000	0.000
44.333	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.667	0.000	0.000	0.000	0.000	0.000
44.833	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.167	0.000	0.000	0.000	0.000	0.000
45.333	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.667	0.000	0.000	0.000	0.000	0.000
45.833	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.167	0.000	0.000	0.000	0.000	0.000
46.333	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.667	0.000	0.000	0.000	0.000	0.000
46.833	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.167	0.000	0.000	0.000	0.000	0.000
47.333	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
47.667	0.000	0.000	0.000	0.000	0.000
47.833	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.167	0.000	0.000	0.000	0.000	0.000
48.333	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.667	0.000	0.000	0.000	0.000	0.000
48.833	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.167	0.000	0.000	0.000	0.000	0.000
49.333	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.667	0.000	0.000	0.000	0.000	0.000
49.833	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.167	0.000	0.000	0.000	0.000	0.000
50.333	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.667	0.000	0.000	0.000	0.000	0.000
50.833	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.167	0.000	0.000	0.000	0.000	0.000
51.333	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.667	0.000	0.000	0.000	0.000	0.000
51.833	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.167	0.000	0.000	0.000	0.000	0.000
52.333	0.000	0.000	0.000	0.000	0.000
52.500	0.000	0.000	0.000	0.000	0.000
52.667	0.000	0.000	0.000	0.000	0.000
52.833	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.167	0.000	0.000	0.000	0.000	0.000
53.333	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.667	0.000	0.000	0.000	0.000	0.000
53.833	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.167	0.000	0.000	0.000	0.000	0.000
54.333	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
54.500	0.000	0.000	0.000	0.000	0.000
54.667	0.000	0.000	0.000	0.000	0.000
54.833	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.167	0.000	0.000	0.000	0.000	0.000
55.333	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.667	0.000	0.000	0.000	0.000	0.000
55.833	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.167	0.000	0.000	0.000	0.000	0.000
56.333	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.667	0.000	0.000	0.000	0.000	0.000
56.833	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.167	0.000	0.000	0.000	0.000	0.000
57.333	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.667	0.000	0.000	0.000	0.000	0.000
57.833	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.167	0.000	0.000	0.000	0.000	0.000
58.333	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.667	0.000	0.000	0.000	0.000	0.000
58.833	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.167	0.000	0.000	0.000	0.000	0.000
59.333	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.667	0.000	0.000	0.000	0.000	0.000
59.833	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.167	0.000	0.000	0.000	0.000	0.000
60.333	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.667	0.000	0.000	0.000	0.000	0.000
60.833	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.167	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
61.333	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.667	0.000	0.000	0.000	0.000	0.000
61.833	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.167	0.000	0.000	0.000	0.000	0.000
62.333	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.667	0.000	0.000	0.000	0.000	0.000
62.833	0.000	0.000	0.000	0.000	0.000
63.000	0.000	0.000	0.000	0.000	0.000
63.167	0.000	0.000	0.000	0.000	0.000
63.333	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.667	0.000	0.000	0.000	0.000	0.000
63.833	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.167	0.000	0.000	0.000	0.000	0.000
64.333	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.667	0.000	0.000	0.000	0.000	0.000
64.833	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.167	0.000	0.000	0.000	0.000	0.000
65.333	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.667	0.000	0.000	0.000	0.000	0.000
65.833	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.167	0.000	0.000	0.000	0.000	0.000
66.333	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.667	0.000	0.000	0.000	0.000	0.000
66.833	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.167	0.000	0.000	0.000	0.000	0.000
67.333	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.667	0.000	0.000	0.000	0.000	0.000
67.833	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
68.167	0.000	0.000	0.000	0.000	0.000
68.333	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.667	0.000	0.000	0.000	0.000	0.000
68.833	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.167	0.000	0.000	0.000	0.000	0.000
69.333	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.667	0.000	0.000	0.000	0.000	0.000
69.833	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.167	0.000	0.000	0.000	0.000	0.000
70.333	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.667	0.000	0.000	0.000	0.000	0.000
70.833	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.167	0.000	0.000	0.000	0.000	0.000
71.333	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.667	0.000	0.000	0.000	0.000	0.000
71.833	0.000	0.000	0.000	0.000	0.000
72.000	0.000	0.000	0.000	0.000	0.000
72.167	0.000	0.000	0.000	0.000	0.000
72.333	0.000	0.000	0.000	0.000	0.000
72.500	0.000	0.000	0.000	0.000	0.000
72.667	0.000	0.000	0.000	0.000	0.000
72.833	0.000	0.000	0.000	0.000	0.000
73.000	0.000	0.000	0.000	0.000	0.000
73.167	0.000	0.000	0.000	0.000	0.000
73.333	0.000	0.000	0.000	0.000	0.000
73.500	0.000	0.000	0.000	0.000	0.000
73.667	0.000	0.000	0.000	0.000	0.000
73.833	0.000	0.000	0.000	0.000	0.000
74.000	0.000	0.000	0.000	0.000	0.000
74.167	0.000	0.000	0.000	0.000	0.000
74.333	0.000	0.000	0.000	0.000	0.000
74.500	0.000	0.000	0.000	0.000	0.000
74.667	0.000	0.000	0.000	0.000	0.000
74.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
75.000	0.000	0.000	0.000	0.000	0.000
75.167	0.000	0.000	0.000	0.000	0.000
75.333	0.000	0.000	0.000	0.000	0.000
75.500	0.000	0.000	0.000	0.000	0.000
75.667	0.000	0.000	0.000	0.000	0.000
75.833	0.000	0.000	0.000	0.000	0.000
76.000	0.000	0.000	0.000	0.000	0.000
76.167	0.000	0.000	0.000	0.000	0.000
76.333	0.000	0.000	0.000	0.000	0.000
76.500	0.000	0.000	0.000	0.000	0.000
76.667	0.000	0.000	0.000	0.000	0.000
76.833	0.000	0.000	0.000	0.000	0.000
77.000	0.000	0.000	0.000	0.000	0.000
77.167	0.000	0.000	0.000	0.000	0.000
77.333	0.000	0.000	0.000	0.000	0.000
77.500	0.000	0.000	0.000	0.000	0.000
77.667	0.000	0.000	0.000	0.000	0.000
77.833	0.000	0.000	0.000	0.000	0.000
78.000	0.000	0.000	0.000	0.000	0.000
78.167	0.000	0.000	0.000	0.000	0.000
78.333	0.000	0.000	0.000	0.000	0.000
78.500	0.000	0.000	0.000	0.000	0.000
78.667	0.000	0.000	0.000	0.000	0.000
78.833	0.000	0.000	0.000	0.000	0.000
79.000	0.000	0.000	0.000	0.000	0.000
79.167	0.000	0.000	0.000	0.000	0.000
79.333	0.000	0.000	0.000	0.000	0.000
79.500	0.000	0.000	0.000	0.000	0.000
79.667	0.000	0.000	0.000	0.000	0.000
79.833	0.000	0.000	0.000	0.000	0.000
80.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	0.000	0.000	0.000	0.000	0.000
0.167	0.000	0.000	0.000	0.000	0.000
0.333	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.667	0.000	0.000	0.000	0.000	0.000
0.833	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.167	0.000	0.000	0.000	0.000	0.000
1.333	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.667	0.000	0.000	0.000	0.000	0.000
1.833	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.167	0.000	0.000	0.000	0.000	0.000
2.333	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.667	0.000	0.000	0.000	0.000	0.000
2.833	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.167	0.000	0.000	0.000	0.000	0.000
3.333	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.667	0.000	0.000	0.000	0.000	0.000
3.833	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.167	0.000	0.000	0.000	0.000	0.000
4.333	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.667	0.000	0.000	0.000	0.000	0.000
4.833	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.167	0.000	0.000	0.000	0.000	0.000
5.333	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.667	0.000	0.000	0.000	0.000	0.000
5.833	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.167	0.000	0.000	0.000	0.000	0.000
6.333	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
6.667	0.000	0.000	0.000	0.000	0.000
6.833	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.001
7.167	0.001	0.001	0.001	0.001	0.001
7.333	0.001	0.001	0.001	0.001	0.001
7.500	0.001	0.001	0.001	0.001	0.001
7.667	0.001	0.001	0.001	0.001	0.001
7.833	0.001	0.001	0.001	0.001	0.001
8.000	0.001	0.001	0.001	0.001	0.002
8.167	0.002	0.002	0.002	0.002	0.002
8.333	0.002	0.002	0.002	0.002	0.002
8.500	0.002	0.002	0.002	0.002	0.002
8.667	0.002	0.003	0.003	0.003	0.003
8.833	0.003	0.003	0.003	0.003	0.003
9.000	0.004	0.004	0.004	0.004	0.004
9.167	0.005	0.005	0.005	0.005	0.005
9.333	0.006	0.006	0.006	0.006	0.006
9.500	0.006	0.007	0.007	0.007	0.007
9.667	0.007	0.007	0.007	0.007	0.008
9.833	0.008	0.008	0.008	0.008	0.008
10.000	0.008	0.008	0.008	0.008	0.008
10.167	0.008	0.009	0.009	0.009	0.009
10.333	0.009	0.009	0.009	0.009	0.009
10.500	0.009	0.009	0.010	0.010	0.010
10.667	0.010	0.010	0.010	0.010	0.010
10.833	0.010	0.011	0.011	0.011	0.011
11.000	0.011	0.011	0.011	0.012	0.012
11.167	0.012	0.012	0.012	0.013	0.013
11.333	0.013	0.014	0.014	0.014	0.014
11.500	0.015	0.015	0.015	0.016	0.017
11.667	0.019	0.021	0.023	0.026	0.030
11.833	0.033	0.038	0.043	0.049	0.058
12.000	0.071	0.083	0.090	0.097	0.103
12.167	0.106	0.105	0.101	0.097	0.093
12.333	0.087	0.083	0.080	0.079	0.077
12.500	0.076	0.075	0.074	0.072	0.070
12.667	0.067	0.065	0.062	0.060	0.058
12.833	0.055	0.053	0.051	0.048	0.046
13.000	0.043	0.041	0.039	0.037	0.035
13.167	0.033	0.031	0.029	0.027	0.026
13.333	0.024	0.023	0.022	0.021	0.020

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
13.500	0.019	0.018	0.018	0.017	0.016
13.667	0.016	0.015	0.015	0.015	0.014
13.833	0.014	0.014	0.014	0.014	0.013
14.000	0.013	0.013	0.013	0.013	0.013
14.167	0.013	0.013	0.013	0.013	0.013
14.333	0.013	0.013	0.012	0.012	0.012
14.500	0.012	0.012	0.012	0.012	0.012
14.667	0.012	0.012	0.012	0.012	0.012
14.833	0.012	0.012	0.012	0.012	0.011
15.000	0.011	0.011	0.011	0.011	0.011
15.167	0.011	0.011	0.011	0.011	0.011
15.333	0.011	0.011	0.011	0.011	0.011
15.500	0.011	0.010	0.010	0.010	0.010
15.667	0.010	0.010	0.010	0.010	0.010
15.833	0.010	0.010	0.010	0.010	0.010
16.000	0.010	0.010	0.009	0.009	0.009
16.167	0.009	0.009	0.009	0.009	0.009
16.333	0.009	0.009	0.009	0.009	0.009
16.500	0.009	0.009	0.009	0.009	0.009
16.667	0.009	0.009	0.009	0.009	0.009
16.833	0.009	0.009	0.009	0.009	0.009
17.000	0.009	0.009	0.008	0.008	0.008
17.167	0.008	0.008	0.008	0.008	0.008
17.333	0.008	0.008	0.008	0.008	0.008
17.500	0.008	0.008	0.008	0.008	0.008
17.667	0.008	0.008	0.008	0.008	0.008
17.833	0.008	0.008	0.008	0.008	0.008
18.000	0.008	0.008	0.008	0.008	0.008
18.167	0.008	0.008	0.008	0.008	0.008
18.333	0.008	0.008	0.008	0.007	0.007
18.500	0.007	0.007	0.007	0.007	0.007
18.667	0.007	0.007	0.007	0.007	0.007
18.833	0.007	0.007	0.007	0.007	0.007
19.000	0.007	0.007	0.007	0.007	0.007
19.167	0.007	0.007	0.007	0.007	0.007
19.333	0.007	0.007	0.007	0.007	0.007
19.500	0.007	0.007	0.007	0.007	0.007
19.667	0.007	0.007	0.007	0.007	0.007
19.833	0.007	0.007	0.007	0.007	0.007
20.000	0.007	0.007	0.007	0.007	0.007
20.167	0.007	0.007	0.007	0.007	0.007

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
20.333	0.007	0.007	0.007	0.007	0.007
20.500	0.007	0.007	0.007	0.007	0.007
20.667	0.007	0.007	0.007	0.007	0.007
20.833	0.007	0.007	0.007	0.007	0.007
21.000	0.007	0.007	0.007	0.007	0.007
21.167	0.007	0.006	0.006	0.006	0.006
21.333	0.006	0.006	0.006	0.006	0.006
21.500	0.006	0.006	0.006	0.006	0.006
21.667	0.006	0.006	0.006	0.006	0.006
21.833	0.006	0.006	0.006	0.006	0.006
22.000	0.006	0.006	0.006	0.006	0.006
22.167	0.006	0.006	0.006	0.006	0.006
22.333	0.006	0.006	0.006	0.006	0.006
22.500	0.006	0.006	0.006	0.006	0.006
22.667	0.006	0.006	0.006	0.006	0.006
22.833	0.006	0.006	0.006	0.006	0.006
23.000	0.006	0.006	0.006	0.006	0.006
23.167	0.006	0.006	0.006	0.006	0.006
23.333	0.006	0.006	0.006	0.006	0.006
23.500	0.006	0.006	0.006	0.006	0.006
23.667	0.006	0.006	0.006	0.006	0.006
23.833	0.006	0.006	0.006	0.006	0.006
24.000	0.006	0.006	0.005	0.005	0.005
24.167	0.005	0.005	0.004	0.004	0.004
24.333	0.004	0.004	0.003	0.003	0.003
24.500	0.003	0.002	0.002	0.002	0.002
24.667	0.002	0.002	0.001	0.001	0.001
24.833	0.001	0.001	0.001	0.001	0.001
25.000	0.001	0.001	0.001	0.001	0.000
25.167	0.000	0.000	0.000	0.000	0.000
25.333	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.667	0.000	0.000	0.000	0.000	0.000
25.833	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.167	0.000	0.000	0.000	0.000	0.000
26.333	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.667	0.000	0.000	0.000	0.000	0.000
26.833	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
27.167	0.000	0.000	0.000	0.000	0.000
27.333	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.667	0.000	0.000	0.000	0.000	0.000
27.833	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.167	0.000	0.000	0.000	0.000	0.000
28.333	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.667	0.000	0.000	0.000	0.000	0.000
28.833	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.167	0.000	0.000	0.000	0.000	0.000
29.333	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.667	0.000	0.000	0.000	0.000	0.000
29.833	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.167	0.000	0.000	0.000	0.000	0.000
30.333	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.667	0.000	0.000	0.000	0.000	0.000
30.833	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.167	0.000	0.000	0.000	0.000	0.000
31.333	0.000	0.000	0.000	0.000	0.000
31.500	0.000	0.000	0.000	0.000	0.000
31.667	0.000	0.000	0.000	0.000	0.000
31.833	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.167	0.000	0.000	0.000	0.000	0.000
32.333	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.667	0.000	0.000	0.000	0.000	0.000
32.833	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.167	0.000	0.000	0.000	0.000	0.000
33.333	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.667	0.000	0.000	0.000	0.000	0.000
33.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
34.000	0.000	0.000	0.000	0.000	0.000
34.167	0.000	0.000	0.000	0.000	0.000
34.333	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.667	0.000	0.000	0.000	0.000	0.000
34.833	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.167	0.000	0.000	0.000	0.000	0.000
35.333	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.667	0.000	0.000	0.000	0.000	0.000
35.833	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.167	0.000	0.000	0.000	0.000	0.000
36.333	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.667	0.000	0.000	0.000	0.000	0.000
36.833	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.167	0.000	0.000	0.000	0.000	0.000
37.333	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.667	0.000	0.000	0.000	0.000	0.000
37.833	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.167	0.000	0.000	0.000	0.000	0.000
38.333	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.667	0.000	0.000	0.000	0.000	0.000
38.833	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.167	0.000	0.000	0.000	0.000	0.000
39.333	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.667	0.000	0.000	0.000	0.000	0.000
39.833	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.167	0.000	0.000	0.000	0.000	0.000
40.333	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.667	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
40.833	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.167	0.000	0.000	0.000	0.000	0.000
41.333	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.667	0.000	0.000	0.000	0.000	0.000
41.833	0.000	0.000	0.000	0.000	0.000
42.000	0.000	0.000	0.000	0.000	0.000
42.167	0.000	0.000	0.000	0.000	0.000
42.333	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.667	0.000	0.000	0.000	0.000	0.000
42.833	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.167	0.000	0.000	0.000	0.000	0.000
43.333	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.667	0.000	0.000	0.000	0.000	0.000
43.833	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.167	0.000	0.000	0.000	0.000	0.000
44.333	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.667	0.000	0.000	0.000	0.000	0.000
44.833	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.167	0.000	0.000	0.000	0.000	0.000
45.333	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.667	0.000	0.000	0.000	0.000	0.000
45.833	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.167	0.000	0.000	0.000	0.000	0.000
46.333	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.667	0.000	0.000	0.000	0.000	0.000
46.833	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.167	0.000	0.000	0.000	0.000	0.000
47.333	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
47.667	0.000	0.000	0.000	0.000	0.000
47.833	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.167	0.000	0.000	0.000	0.000	0.000
48.333	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.667	0.000	0.000	0.000	0.000	0.000
48.833	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.167	0.000	0.000	0.000	0.000	0.000
49.333	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.667	0.000	0.000	0.000	0.000	0.000
49.833	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.167	0.000	0.000	0.000	0.000	0.000
50.333	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.667	0.000	0.000	0.000	0.000	0.000
50.833	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.167	0.000	0.000	0.000	0.000	0.000
51.333	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.667	0.000	0.000	0.000	0.000	0.000
51.833	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.167	0.000	0.000	0.000	0.000	0.000
52.333	0.000	0.000	0.000	0.000	0.000
52.500	0.000	0.000	0.000	0.000	0.000
52.667	0.000	0.000	0.000	0.000	0.000
52.833	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.167	0.000	0.000	0.000	0.000	0.000
53.333	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.667	0.000	0.000	0.000	0.000	0.000
53.833	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.167	0.000	0.000	0.000	0.000	0.000
54.333	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
54.500	0.000	0.000	0.000	0.000	0.000
54.667	0.000	0.000	0.000	0.000	0.000
54.833	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.167	0.000	0.000	0.000	0.000	0.000
55.333	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.667	0.000	0.000	0.000	0.000	0.000
55.833	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.167	0.000	0.000	0.000	0.000	0.000
56.333	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.667	0.000	0.000	0.000	0.000	0.000
56.833	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.167	0.000	0.000	0.000	0.000	0.000
57.333	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.667	0.000	0.000	0.000	0.000	0.000
57.833	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.167	0.000	0.000	0.000	0.000	0.000
58.333	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.667	0.000	0.000	0.000	0.000	0.000
58.833	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.167	0.000	0.000	0.000	0.000	0.000
59.333	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.667	0.000	0.000	0.000	0.000	0.000
59.833	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.167	0.000	0.000	0.000	0.000	0.000
60.333	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.667	0.000	0.000	0.000	0.000	0.000
60.833	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.167	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
61.333	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.667	0.000	0.000	0.000	0.000	0.000
61.833	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.167	0.000	0.000	0.000	0.000	0.000
62.333	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.667	0.000	0.000	0.000	0.000	0.000
62.833	0.000	0.000	0.000	0.000	0.000
63.000	0.000	0.000	0.000	0.000	0.000
63.167	0.000	0.000	0.000	0.000	0.000
63.333	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.667	0.000	0.000	0.000	0.000	0.000
63.833	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.167	0.000	0.000	0.000	0.000	0.000
64.333	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.667	0.000	0.000	0.000	0.000	0.000
64.833	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.167	0.000	0.000	0.000	0.000	0.000
65.333	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.667	0.000	0.000	0.000	0.000	0.000
65.833	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.167	0.000	0.000	0.000	0.000	0.000
66.333	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.667	0.000	0.000	0.000	0.000	0.000
66.833	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.167	0.000	0.000	0.000	0.000	0.000
67.333	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.667	0.000	0.000	0.000	0.000	0.000
67.833	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
68.167	0.000	0.000	0.000	0.000	0.000
68.333	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.667	0.000	0.000	0.000	0.000	0.000
68.833	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.167	0.000	0.000	0.000	0.000	0.000
69.333	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.667	0.000	0.000	0.000	0.000	0.000
69.833	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.167	0.000	0.000	0.000	0.000	0.000
70.333	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.667	0.000	0.000	0.000	0.000	0.000
70.833	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.167	0.000	0.000	0.000	0.000	0.000
71.333	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.667	0.000	0.000	0.000	0.000	0.000
71.833	0.000	0.000	0.000	0.000	0.000
72.000	0.000	0.000	0.000	0.000	0.000
72.167	0.000	0.000	0.000	0.000	0.000
72.333	0.000	0.000	0.000	0.000	0.000
72.500	0.000	0.000	0.000	0.000	0.000
72.667	0.000	0.000	0.000	0.000	0.000
72.833	0.000	0.000	0.000	0.000	0.000
73.000	0.000	0.000	0.000	0.000	0.000
73.167	0.000	0.000	0.000	0.000	0.000
73.333	0.000	0.000	0.000	0.000	0.000
73.500	0.000	0.000	0.000	0.000	0.000
73.667	0.000	0.000	0.000	0.000	0.000
73.833	0.000	0.000	0.000	0.000	0.000
74.000	0.000	0.000	0.000	0.000	0.000
74.167	0.000	0.000	0.000	0.000	0.000
74.333	0.000	0.000	0.000	0.000	0.000
74.500	0.000	0.000	0.000	0.000	0.000
74.667	0.000	0.000	0.000	0.000	0.000
74.833	0.000	0.000	0.000	0.000	0.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Time vs. Volume (ac-ft)

Output Time increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
75.000	0.000	0.000	0.000	0.000	0.000
75.167	0.000	0.000	0.000	0.000	0.000
75.333	0.000	0.000	0.000	0.000	0.000
75.500	0.000	0.000	0.000	0.000	0.000
75.667	0.000	0.000	0.000	0.000	0.000
75.833	0.000	0.000	0.000	0.000	0.000
76.000	0.000	0.000	0.000	0.000	0.000
76.167	0.000	0.000	0.000	0.000	0.000
76.333	0.000	0.000	0.000	0.000	0.000
76.500	0.000	0.000	0.000	0.000	0.000
76.667	0.000	0.000	0.000	0.000	0.000
76.833	0.000	0.000	0.000	0.000	0.000
77.000	0.000	0.000	0.000	0.000	0.000
77.167	0.000	0.000	0.000	0.000	0.000
77.333	0.000	0.000	0.000	0.000	0.000
77.500	0.000	0.000	0.000	0.000	0.000
77.667	0.000	0.000	0.000	0.000	0.000
77.833	0.000	0.000	0.000	0.000	0.000
78.000	0.000	0.000	0.000	0.000	0.000
78.167	0.000	0.000	0.000	0.000	0.000
78.333	0.000	0.000	0.000	0.000	0.000
78.500	0.000	0.000	0.000	0.000	0.000
78.667	0.000	0.000	0.000	0.000	0.000
78.833	0.000	0.000	0.000	0.000	0.000
79.000	0.000	0.000	0.000	0.000	0.000
79.167	0.000	0.000	0.000	0.000	0.000
79.333	0.000	0.000	0.000	0.000	0.000
79.500	0.000	0.000	0.000	0.000	0.000
79.667	0.000	0.000	0.000	0.000	0.000
79.833	0.000	0.000	0.000	0.000	0.000
80.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr (A1*A2) (acres)	Volume (ac-ft)	Volume (Total) (ac-ft)
405.00	0.0	0.023	0.000	0.000	0.000
406.00	0.0	0.033	0.083	0.028	0.028
407.00	0.0	0.044	0.114	0.038	0.066
408.00	0.0	0.057	0.150	0.050	0.116
409.00	0.0	0.070	0.189	0.063	0.179
410.00	0.0	0.084	0.231	0.077	0.256

Post-Development Conditions

Subsection: Volume Equations

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr (A1*A2) (acres)	Volume (ac-ft)	Volume (Total) (ac-ft)
405.00	0.0	0.023	0.000	0.000	0.000
406.00	0.0	0.033	0.083	0.028	0.028
407.00	0.0	0.044	0.114	0.038	0.066
408.00	0.0	0.057	0.150	0.050	0.116
409.00	0.0	0.070	0.189	0.063	0.179
410.00	0.0	0.084	0.231	0.077	0.256

Post-Development Conditions

Subsection: Volume Equations

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr (A1*A2) (acres)	Volume (ac-ft)	Volume (Total) (ac-ft)
405.00	0.0	0.023	0.000	0.000	0.000
406.00	0.0	0.033	0.083	0.028	0.028
407.00	0.0	0.044	0.114	0.038	0.066
408.00	0.0	0.057	0.150	0.050	0.116
409.00	0.0	0.070	0.189	0.063	0.179
410.00	0.0	0.084	0.231	0.077	0.256

Post-Development Conditions

Subsection: Volume Equations

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr (A1*A2) (acres)	Volume (ac-ft)	Volume (Total) (ac-ft)
405.00	0.0	0.023	0.000	0.000	0.000
406.00	0.0	0.033	0.083	0.028	0.028
407.00	0.0	0.044	0.114	0.038	0.066
408.00	0.0	0.057	0.150	0.050	0.116
409.00	0.0	0.070	0.189	0.063	0.179
410.00	0.0	0.084	0.231	0.077	0.256

Post-Development Conditions

Subsection: Volume Equations

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr (A1*A2) (acres)	Volume (ac-ft)	Volume (Total) (ac-ft)
405.00	0.0	0.023	0.000	0.000	0.000
406.00	0.0	0.033	0.083	0.028	0.028
407.00	0.0	0.044	0.114	0.038	0.066
408.00	0.0	0.057	0.150	0.050	0.116
409.00	0.0	0.070	0.189	0.063	0.179
410.00	0.0	0.084	0.231	0.077	0.256

Post-Development Conditions

Subsection: Volume Equations

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Requested Pond Water Surface Elevations

Minimum (Headwater)	405.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	410.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	Weir - 1	Forward	Culvert - 1	407.20	407.53
Orifice-Area	Orifice - 1	Forward	Culvert - 1	407.20	410.00
Inlet Box	Riser - 1	Forward	Culvert - 1	407.80	410.00
Orifice-Circular	Orifice - 2	Forward	Culvert - 1	405.00	410.00
Culvert-Circular	Culvert - 1	Forward	TW	401.87	410.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Structure ID: Culvert - 1	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	38.78 ft
Length (Computed Barrel)	38.78 ft
Slope (Computed)	0.011 ft/ft
Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.200
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)	1.089
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	403.50 ft	T1 Flow	7.58 ft ³ /s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft ³ /s

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Structure ID: Riser - 1	
Structure Type: Inlet Box	
Number of Openings	1
Elevation	407.82 ft
Orifice Area	16.0 ft ²
Orifice Coefficient	0.600
Weir Length	16.00 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: Orifice - 1	
Structure Type: Orifice-Area	
Number of Openings	1
Elevation	407.20 ft
Orifice Area	1.3 ft ²
Top Elevation	407.53 ft
Datum Elevation	407.36 ft
Orifice Coefficient	0.600
Structure ID: Weir - 1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	407.20 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft ^{0.5})/s
Structure ID: Orifice - 2	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	405.00 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600
Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

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)	0.100 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Culvert - 1 (Culvert-Circular)

Mannings open channel maximum capacity: 12.04 ft³/s

Upstream ID = Weir - 1, Orifice - 1, Riser - 1, Orifice - 2

Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
405.00	0.00	0.00	0.00	Free Outfall	0.00	0.00	(N/A)	0.00
405.10	0.08	402.00	Free Outfall	Free Outfall	0.00	0.05	(N/A)	0.00
405.20	0.08	402.00	Free Outfall	Free Outfall	0.00	0.02	(N/A)	0.00
405.30	0.18	402.13	Free Outfall	Free Outfall	0.00	0.02	(N/A)	0.00
405.40	0.48	402.20	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
405.50	0.68	402.27	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
405.60	0.88	402.34	Free Outfall	Free Outfall	0.00	0.09	(N/A)	0.00
405.70	1.00	402.40	Free Outfall	Free Outfall	0.00	0.02	(N/A)	0.00
405.80	1.11	402.44	Free Outfall	Free Outfall	0.00	0.03	(N/A)	0.00
405.90	1.28	402.47	Free Outfall	Free Outfall	0.00	0.01	(N/A)	0.00
406.00	1.45	402.51	Free Outfall	Free Outfall	0.00	0.08	(N/A)	0.00
406.10	1.55	402.54	Free Outfall	Free Outfall	0.00	0.08	(N/A)	0.00
406.20	1.55	402.54	Free Outfall	Free Outfall	0.00	0.01	(N/A)	0.00
406.30	1.55	402.54	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
406.40	1.73	402.58	Free Outfall	Free Outfall	0.00	0.01	(N/A)	0.00
406.50	1.85	402.61	Free Outfall	Free Outfall	0.00	0.04	(N/A)	0.00
406.60	1.85	402.61	Free Outfall	Free Outfall	0.00	0.04	(N/A)	0.00
406.70	1.85	402.61	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
406.80	2.03	402.65	Free Outfall	Free Outfall	0.00	0.01	(N/A)	0.00
406.90	2.03	402.65	Free Outfall	Free Outfall	0.00	0.08	(N/A)	0.00
407.00	2.17	402.68	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
407.10	2.17	402.68	Free Outfall	Free Outfall	0.00	0.06	(N/A)	0.00
407.20	2.17	402.68	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
407.30	3.70	402.94	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
407.40	5.10	403.17	Free Outfall	Free Outfall	0.00	0.03	(N/A)	0.00
407.50	6.77	403.41	Free Outfall	Free Outfall	0.00	0.03	(N/A)	0.00
407.60	5.61	403.25	Free Outfall	Free Outfall	0.00	0.03	(N/A)	0.00
407.70	6.37	403.35	Free Outfall	Free Outfall	0.00	0.08	(N/A)	0.00
407.80	6.77	403.41	Free Outfall	Free Outfall	0.00	0.09	(N/A)	0.00
407.90	8.77	403.70	Free Outfall	Free Outfall	0.00	0.11	(N/A)	0.00
408.00	12.12	404.39	Free Outfall	Free Outfall	0.00	0.00	(N/A)	0.00
408.10	15.45	405.32	Free Outfall	Free Outfall	0.00	0.70	(N/A)	0.00
408.20	19.51	406.76	Free Outfall	Free Outfall	0.00	0.47	(N/A)	0.00
408.30	22.26	407.93	Free Outfall	Free Outfall	0.00	0.39	(N/A)	0.00

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Culvert - 1 (Culvert-Circular)

Mannings open channel maximum capacity: 12.04 ft³/s

Upstream ID = Weir - 1, Orifice - 1, Riser - 1, Orifice - 2

Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
408.40	23.08	408.30	Free Outfall	Free Outfall	0.00	1.72	(N/A)	0.00
408.50	23.50	408.50	Free Outfall	Free Outfall	0.00	4.62	(N/A)	0.00
408.60	23.70	408.60	Free Outfall	Free Outfall	0.00	10.64	(N/A)	0.00
408.70	23.91	408.70	Free Outfall	Free Outfall	0.00	17.07	(N/A)	0.00
408.80	24.12	408.80	Free Outfall	Free Outfall	0.00	23.88	(N/A)	0.00
408.90	24.32	408.90	Free Outfall	Free Outfall	0.00	31.06	(N/A)	0.00
409.00	24.52	409.00	Free Outfall	Free Outfall	0.00	38.58	(N/A)	0.00
409.10	24.72	409.10	Free Outfall	Free Outfall	0.00	46.43	(N/A)	0.00
409.20	24.92	409.20	Free Outfall	Free Outfall	0.00	54.59	(N/A)	0.00
409.30	25.12	409.30	Free Outfall	Free Outfall	0.00	63.06	(N/A)	0.00
409.40	25.31	409.40	Free Outfall	Free Outfall	0.00	71.83	(N/A)	0.00
409.50	25.50	409.50	Free Outfall	Free Outfall	0.00	74.90	(N/A)	0.00
409.60	25.70	409.60	Free Outfall	Free Outfall	0.00	77.62	(N/A)	0.00
409.70	25.89	409.70	Free Outfall	Free Outfall	0.00	80.26	(N/A)	0.00
409.80	26.08	409.80	Free Outfall	Free Outfall	0.00	82.83	(N/A)	0.00
409.90	26.27	409.90	Free Outfall	Free Outfall	0.00	85.33	(N/A)	0.00
410.00	26.45	410.00	Free Outfall	Free Outfall	0.00	87.77	(N/A)	0.00

Message

WS below an invert; no flow.
 CRIT.DEPTH CONTROL
 Vh= .032ft Dcr= .094ft
 CRIT.DEPTH Hev= .00ft
 CRIT.DEPTH CONTROL
 Vh= .032ft Dcr= .094ft
 CRIT.DEPTH Hev= .00ft
 CRIT.DEPTH CONTROL
 Vh= .064ft Dcr= .187ft
 CRIT.DEPTH Hev= .00ft
 FLOW PRECEDENCE SET
 TO UPSTREAM
 CONTROLLING
 STRUCTURE

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Culvert - 1 (Culvert-Circular)

Mannings open channel maximum capacity: 12.04 ft³/s

Upstream ID = Weir - 1, Orifice - 1, Riser - 1, Orifice - 2

Downstream ID = Tailwater (Pond Outfall)

Message
FLOW PRECEDENCE SET TO UPSTREAM CONTROLLING STRUCTURE INLET CONTROL... Equ.1: HW =.47 dc=.328 Ac=.2857 CRIT.DEPTH CONTROL Vh= .133ft Dcr= .375ft CRIT.DEPTH Hev= .00ft CRIT.DEPTH CONTROL Vh= .142ft Dcr= .398ft CRIT.DEPTH Hev= .00ft CRIT.DEPTH CONTROL Vh= .151ft Dcr= .422ft CRIT.DEPTH Hev= .00ft CRIT.DEPTH CONTROL Vh= .160ft Dcr= .445ft CRIT.DEPTH Hev= .00ft CRIT.DEPTH CONTROL Vh= .170ft Dcr= .469ft CRIT.DEPTH Hev= .00ft CRIT.DEPTH CONTROL Vh= .170ft Dcr= .469ft CRIT.DEPTH Hev= .00ft FLOW PRECEDENCE SET TO UPSTREAM CONTROLLING STRUCTURE CRIT.DEPTH CONTROL Vh= .179ft Dcr= .492ft CRIT.DEPTH Hev= .00ft CRIT.DEPTH CONTROL Vh= .189ft Dcr= .515ft CRIT.DEPTH Hev= .00ft CRIT.DEPTH CONTROL Vh= .189ft Dcr= .515ft CRIT.DEPTH Hev= .00ft

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Culvert - 1 (Culvert-Circular)

Mannings open channel maximum capacity: 12.04 ft³/s

Upstream ID = Weir - 1, Orifice - 1, Riser - 1, Orifice - 2

Downstream ID = Tailwater (Pond Outfall)

Message
FLOW PRECEDENCE SET TO UPSTREAM CONTROLLING STRUCTURE
CRIT.DEPTH CONTROL Vh= .198ft Dcr= .539ft CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .198ft Dcr= .539ft CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .208ft Dcr= .562ft CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .208ft Dcr= .562ft CRIT.DEPTH Hev= .00ft
FLOW PRECEDENCE SET TO UPSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO UPSTREAM CONTROLLING STRUCTURE
CRIT.DEPTH CONTROL Vh= .357ft Dcr= .867ft CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .448ft Dcr= 1.007ft CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .385ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .423ft Dcr= .972ft CRIT.DEPTH Hev= .00ft
CRIT.DEPTH CONTROL Vh= .448ft Dcr= 1.007ft CRIT.DEPTH Hev= .00ft

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Culvert - 1 (Culvert-Circular)

Mannings open channel maximum capacity: 12.04 ft³/s

Upstream ID = Weir - 1, Orifice - 1, Riser - 1, Orifice - 2

Downstream ID = Tailwater (Pond Outfall)

Message
CRIT.DEPTH CONTROL
Vh= .571ft Dcr= 1.148ft
CRIT.DEPTH Hev= .00ft
INLET CONTROL...
Submerged: HW =2.52
INLET CONTROL...
Submerged: HW =3.45
INLET CONTROL...
Submerged: HW =4.89
INLET CONTROL...
Submerged: HW =6.06
INLET CONTROL...
Submerged: HW =6.43
INLET CONTROL...
Submerged: HW =6.63
INLET CONTROL...
Submerged: HW =6.73
INLET CONTROL...
Submerged: HW =6.83
INLET CONTROL...
Submerged: HW =6.93
INLET CONTROL...
Submerged: HW =7.03
INLET CONTROL...
Submerged: HW =7.13
INLET CONTROL...
Submerged: HW =7.23
INLET CONTROL...
Submerged: HW =7.33
INLET CONTROL...
Submerged: HW =7.43
INLET CONTROL...
Submerged: HW =7.53
INLET CONTROL...
Submerged: HW =7.63
INLET CONTROL...
Submerged: HW =7.73
INLET CONTROL...
Submerged: HW =7.83

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Culvert - 1 (Culvert-Circular)

Mannings open channel maximum capacity: 12.04 ft³/s

Upstream ID = Weir - 1, Orifice - 1, Riser - 1, Orifice - 2

Downstream ID = Tailwater (Pond Outfall)

Message
INLET CONTROL...
Submerged: HW =7.93
INLET CONTROL...
Submerged: HW =8.03
INLET CONTROL...
Submerged: HW =8.13

Post-Development Conditions

Subsection: Individual Outlet Curves

Return Event: 2 years

Label: Outfall Structure

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Riser - 1 (Inlet Box)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
405.00	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.10	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.20	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.30	0.00	0.00	0.00	402.13	0.00	0.00	(N/A)	0.00
405.40	0.00	0.00	0.00	402.20	0.00	0.00	(N/A)	0.00
405.50	0.00	0.00	0.00	402.27	0.00	0.00	(N/A)	0.00
405.60	0.00	0.00	0.00	402.34	0.00	0.00	(N/A)	0.00
405.70	0.00	0.00	0.00	402.40	0.00	0.00	(N/A)	0.00
405.80	0.00	0.00	0.00	402.44	0.00	0.00	(N/A)	0.00
405.90	0.00	0.00	0.00	402.47	0.00	0.00	(N/A)	0.00
406.00	0.00	0.00	0.00	402.51	0.00	0.00	(N/A)	0.00
406.10	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.20	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.30	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.40	0.00	0.00	0.00	402.58	0.00	0.00	(N/A)	0.00
406.50	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.60	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.70	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.80	0.00	0.00	0.00	402.65	0.00	0.00	(N/A)	0.00
406.90	0.00	0.00	0.00	402.65	0.00	0.00	(N/A)	0.00
407.00	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.10	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.20	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.30	0.00	0.00	0.00	402.94	0.00	0.00	(N/A)	0.00
407.40	0.00	0.00	0.00	403.17	0.00	0.00	(N/A)	0.00
407.50	0.00	0.00	0.00	403.41	0.00	0.00	(N/A)	0.00
407.60	0.00	0.00	0.00	403.25	0.00	0.00	(N/A)	0.00
407.70	0.00	0.00	0.00	403.35	0.00	0.00	(N/A)	0.00
407.80	0.00	0.00	0.00	403.41	0.00	0.00	(N/A)	0.00
407.90	1.52	407.90	Free Outfall	403.70	0.00	0.00	(N/A)	0.00
408.00	4.29	408.00	Free Outfall	404.39	0.00	0.00	(N/A)	0.00
408.10	7.89	408.10	Free Outfall	405.32	0.00	0.00	(N/A)	0.00
408.20	12.14	408.20	Free Outfall	406.76	0.00	0.00	(N/A)	0.00
408.30	16.97	408.30	407.93	407.93	0.00	0.00	(N/A)	0.00
408.40	22.31	408.40	408.30	408.30	0.00	0.00	(N/A)	0.00

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Riser - 1 (Inlet Box)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
408.50	28.11	408.50	408.50	408.50	0.00	0.00	(N/A)	0.00
408.60	34.35	408.60	408.60	408.60	0.00	0.00	(N/A)	0.00
408.70	40.98	408.70	408.70	408.70	0.00	0.00	(N/A)	0.00
408.80	48.00	408.80	408.80	408.80	0.00	0.00	(N/A)	0.00
408.90	55.38	408.90	408.90	408.90	0.00	0.00	(N/A)	0.00
409.00	63.10	409.00	409.00	409.00	0.00	0.00	(N/A)	0.00
409.10	71.15	409.10	409.10	409.10	0.00	0.00	(N/A)	0.00
409.20	79.51	409.20	409.20	409.20	0.00	0.00	(N/A)	0.00
409.30	88.18	409.30	409.30	409.30	0.00	0.00	(N/A)	0.00
409.40	97.15	409.40	409.40	409.40	0.00	0.00	(N/A)	0.00
409.50	100.41	409.50	409.50	409.50	0.00	0.00	(N/A)	0.00
409.60	103.32	409.60	409.60	409.60	0.00	0.00	(N/A)	0.00
409.70	106.15	409.70	409.70	409.70	0.00	0.00	(N/A)	0.00
409.80	108.91	409.80	409.80	409.80	0.00	0.00	(N/A)	0.00
409.90	111.60	409.90	409.90	409.90	0.00	0.00	(N/A)	0.00
410.00	114.22	410.00	410.00	410.00	0.00	0.00	(N/A)	0.00

Message

WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Riser - 1 (Inlet Box)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
Weir: H =0.1ft

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Riser - 1 (Inlet Box)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
Weir: H =0.2ft
Weir: H =0.3ft
Weir: H =0.4ft
FULLY CHARGED RISER: ADJUSTED TO WEIR: H =0.5ft
FULLY CHARGED RISER: ADJUSTED TO WEIR: H =0.6ft
FULLY CHARGED RISER: ADJUSTED TO WEIR: H =0.7ft
FULLY CHARGED RISER: ADJUSTED TO WEIR: H =0.8ft
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Riser - 1 (Inlet Box)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000
FULLY CHARGED RISER, DOWNSTREAM CONTROL: Kev=0. Hev=0.000

Post-Development Conditions

Subsection: Individual Outlet Curves

Return Event: 2 years

Label: Outfall Structure

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 1 (Orifice-Area)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
405.00	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.10	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.20	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.30	0.00	0.00	0.00	402.13	0.00	0.00	(N/A)	0.00
405.40	0.00	0.00	0.00	402.20	0.00	0.00	(N/A)	0.00
405.50	0.00	0.00	0.00	402.27	0.00	0.00	(N/A)	0.00
405.60	0.00	0.00	0.00	402.34	0.00	0.00	(N/A)	0.00
405.70	0.00	0.00	0.00	402.40	0.00	0.00	(N/A)	0.00
405.80	0.00	0.00	0.00	402.44	0.00	0.00	(N/A)	0.00
405.90	0.00	0.00	0.00	402.47	0.00	0.00	(N/A)	0.00
406.00	0.00	0.00	0.00	402.51	0.00	0.00	(N/A)	0.00
406.10	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.20	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.30	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.40	0.00	0.00	0.00	402.58	0.00	0.00	(N/A)	0.00
406.50	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.60	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.70	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.80	0.00	0.00	0.00	402.65	0.00	0.00	(N/A)	0.00
406.90	0.00	0.00	0.00	402.65	0.00	0.00	(N/A)	0.00
407.00	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.10	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.20	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.30	0.79	407.30	Free Outfall	402.94	0.00	0.00	(N/A)	0.00
407.40	1.59	407.40	Free Outfall	403.17	0.00	0.00	(N/A)	0.00
407.50	2.38	407.50	Free Outfall	403.41	0.00	0.00	(N/A)	0.00
407.60	3.11	407.60	Free Outfall	403.25	0.00	0.00	(N/A)	0.00
407.70	3.70	407.70	Free Outfall	403.35	0.00	0.00	(N/A)	0.00
407.80	4.21	407.80	Free Outfall	403.41	0.00	0.00	(N/A)	0.00
407.90	4.67	407.90	Free Outfall	403.70	0.00	0.00	(N/A)	0.00
408.00	5.08	408.00	Free Outfall	404.39	0.00	0.00	(N/A)	0.00
408.10	5.47	408.10	Free Outfall	405.32	0.00	0.00	(N/A)	0.00
408.20	5.82	408.20	Free Outfall	406.76	0.00	0.00	(N/A)	0.00
408.30	3.88	408.30	407.93	407.93	0.00	0.00	(N/A)	0.00
408.40	1.97	408.40	408.30	408.30	0.00	0.00	(N/A)	0.00

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 1 (Orifice-Area)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
408.50	0.00	408.50	408.50	408.50	0.00	0.00	(N/A)	0.00
408.60	0.00	408.60	408.60	408.60	0.00	0.00	(N/A)	0.00
408.70	0.00	408.70	408.70	408.70	0.00	0.00	(N/A)	0.00
408.80	0.00	408.80	408.80	408.80	0.00	0.00	(N/A)	0.00
408.90	0.00	408.90	408.90	408.90	0.00	0.00	(N/A)	0.00
409.00	0.00	409.00	409.00	409.00	0.00	0.00	(N/A)	0.00
409.10	0.00	409.10	409.10	409.10	0.00	0.00	(N/A)	0.00
409.20	0.00	409.20	409.20	409.20	0.00	0.00	(N/A)	0.00
409.30	0.00	409.30	409.30	409.30	0.00	0.00	(N/A)	0.00
409.40	0.00	409.40	409.40	409.40	0.00	0.00	(N/A)	0.00
409.50	0.00	409.50	409.50	409.50	0.00	0.00	(N/A)	0.00
409.60	0.00	409.60	409.60	409.60	0.00	0.00	(N/A)	0.00
409.70	0.00	409.70	409.70	409.70	0.00	0.00	(N/A)	0.00
409.80	0.00	409.80	409.80	409.80	0.00	0.00	(N/A)	0.00
409.90	0.00	409.90	409.90	409.90	0.00	0.00	(N/A)	0.00
410.00	0.00	410.00	410.00	410.00	0.00	0.00	(N/A)	0.00

Message

WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 1 (Orifice-Area)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
Hi=.10; Ht=.17; Qt=2.62
Hi=.20; Ht=.17; Qt=2.62
Hi=.30; Ht=.17; Qt=2.62
H =.24
H =.34
H =.44
H =.54
H =.64
H =.74
H =.84
H =.37
H =.10

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 1 (Orifice-Area)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
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FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 1 (Orifice-Area)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

Post-Development Conditions

Subsection: Individual Outlet Curves

Return Event: 2 years

Label: Outfall Structure

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Weir - 1 (Rectangular Weir)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
405.00	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.10	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.20	0.00	0.00	0.00	402.00	0.00	0.00	(N/A)	0.00
405.30	0.00	0.00	0.00	402.13	0.00	0.00	(N/A)	0.00
405.40	0.00	0.00	0.00	402.20	0.00	0.00	(N/A)	0.00
405.50	0.00	0.00	0.00	402.27	0.00	0.00	(N/A)	0.00
405.60	0.00	0.00	0.00	402.34	0.00	0.00	(N/A)	0.00
405.70	0.00	0.00	0.00	402.40	0.00	0.00	(N/A)	0.00
405.80	0.00	0.00	0.00	402.44	0.00	0.00	(N/A)	0.00
405.90	0.00	0.00	0.00	402.47	0.00	0.00	(N/A)	0.00
406.00	0.00	0.00	0.00	402.51	0.00	0.00	(N/A)	0.00
406.10	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.20	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.30	0.00	0.00	0.00	402.54	0.00	0.00	(N/A)	0.00
406.40	0.00	0.00	0.00	402.58	0.00	0.00	(N/A)	0.00
406.50	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.60	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.70	0.00	0.00	0.00	402.61	0.00	0.00	(N/A)	0.00
406.80	0.00	0.00	0.00	402.65	0.00	0.00	(N/A)	0.00
406.90	0.00	0.00	0.00	402.65	0.00	0.00	(N/A)	0.00
407.00	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.10	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.20	0.00	0.00	0.00	402.68	0.00	0.00	(N/A)	0.00
407.30	0.38	407.30	Free Outfall	402.94	0.00	0.00	(N/A)	0.00
407.40	1.06	407.40	Free Outfall	403.17	0.00	0.00	(N/A)	0.00
407.50	1.94	407.50	Free Outfall	403.41	0.00	0.00	(N/A)	0.00
407.60	0.00	407.60	Free Outfall	403.25	0.00	0.00	(N/A)	0.00
407.70	0.00	407.70	Free Outfall	403.35	0.00	0.00	(N/A)	0.00
407.80	0.00	407.80	Free Outfall	403.41	0.00	0.00	(N/A)	0.00
407.90	0.00	407.90	Free Outfall	403.70	0.00	0.00	(N/A)	0.00
408.00	0.00	408.00	Free Outfall	404.39	0.00	0.00	(N/A)	0.00
408.10	0.00	408.10	Free Outfall	405.32	0.00	0.00	(N/A)	0.00
408.20	0.00	408.20	Free Outfall	406.76	0.00	0.00	(N/A)	0.00
408.30	0.00	408.30	407.93	407.93	0.00	0.00	(N/A)	0.00
408.40	0.00	408.40	408.30	408.30	0.00	0.00	(N/A)	0.00

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Weir - 1 (Rectangular Weir)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
408.50	0.00	408.50	408.50	408.50	0.00	0.00	(N/A)	0.00
408.60	0.00	408.60	408.60	408.60	0.00	0.00	(N/A)	0.00
408.70	0.00	408.70	408.70	408.70	0.00	0.00	(N/A)	0.00
408.80	0.00	408.80	408.80	408.80	0.00	0.00	(N/A)	0.00
408.90	0.00	408.90	408.90	408.90	0.00	0.00	(N/A)	0.00
409.00	0.00	409.00	409.00	409.00	0.00	0.00	(N/A)	0.00
409.10	0.00	409.10	409.10	409.10	0.00	0.00	(N/A)	0.00
409.20	0.00	409.20	409.20	409.20	0.00	0.00	(N/A)	0.00
409.30	0.00	409.30	409.30	409.30	0.00	0.00	(N/A)	0.00
409.40	0.00	409.40	409.40	409.40	0.00	0.00	(N/A)	0.00
409.50	0.00	409.50	409.50	409.50	0.00	0.00	(N/A)	0.00
409.60	0.00	409.60	409.60	409.60	0.00	0.00	(N/A)	0.00
409.70	0.00	409.70	409.70	409.70	0.00	0.00	(N/A)	0.00
409.80	0.00	409.80	409.80	409.80	0.00	0.00	(N/A)	0.00
409.90	0.00	409.90	409.90	409.90	0.00	0.00	(N/A)	0.00
410.00	0.00	410.00	410.00	410.00	0.00	0.00	(N/A)	0.00

Message

WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.
 WS below an invert; no flow.

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Weir - 1 (Rectangular Weir)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
WS below an invert; no flow.
H=.10; Htw=.00; Qfree=.38;
H=.20; Htw=.00; Qfree=1.06;
H=.30; Htw=.00; Qfree=1.94;
E >= E2= 407.530
E >= E2= 407.530
E >= E2= 407.530
E >= E2= 407.530
E >= E2= 407.530
E >= E2= 407.530
E >= E2= 407.530

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Weir - 1 (Rectangular Weir)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
E >= E2= 407.530
E >= E2= 407.530
E >= E2= 407.530
E >= E2= 407.530
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
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FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Weir - 1 (Rectangular Weir)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

Post-Development Conditions

Subsection: Individual Outlet Curves

Return Event: 2 years

Label: Outfall Structure

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 2 (Orifice-Circular)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
405.00	0.00	0.00	0.00	0.00	0.00	0.00	(N/A)	0.00
405.10	0.03	405.10	Free Outfall	402.00	0.00	0.00	(N/A)	0.00
405.20	0.10	405.20	Free Outfall	402.00	0.00	0.00	(N/A)	0.00
405.30	0.20	405.30	Free Outfall	402.13	0.00	0.00	(N/A)	0.00
405.40	0.37	405.40	Free Outfall	402.20	0.00	0.00	(N/A)	0.00
405.50	0.57	405.50	Free Outfall	402.27	0.00	0.00	(N/A)	0.00
405.60	0.79	405.60	Free Outfall	402.34	0.00	0.00	(N/A)	0.00
405.70	1.02	405.70	Free Outfall	402.40	0.00	0.00	(N/A)	0.00
405.80	1.15	405.80	Free Outfall	402.44	0.00	0.00	(N/A)	0.00
405.90	1.26	405.90	Free Outfall	402.47	0.00	0.00	(N/A)	0.00
406.00	1.37	406.00	Free Outfall	402.51	0.00	0.00	(N/A)	0.00
406.10	1.47	406.10	Free Outfall	402.54	0.00	0.00	(N/A)	0.00
406.20	1.56	406.20	Free Outfall	402.54	0.00	0.00	(N/A)	0.00
406.30	1.65	406.30	Free Outfall	402.54	0.00	0.00	(N/A)	0.00
406.40	1.74	406.40	Free Outfall	402.58	0.00	0.00	(N/A)	0.00
406.50	1.81	406.50	Free Outfall	402.61	0.00	0.00	(N/A)	0.00
406.60	1.89	406.60	Free Outfall	402.61	0.00	0.00	(N/A)	0.00
406.70	1.96	406.70	Free Outfall	402.61	0.00	0.00	(N/A)	0.00
406.80	2.03	406.80	Free Outfall	402.65	0.00	0.00	(N/A)	0.00
406.90	2.10	406.90	Free Outfall	402.65	0.00	0.00	(N/A)	0.00
407.00	2.17	407.00	Free Outfall	402.68	0.00	0.00	(N/A)	0.00
407.10	2.23	407.10	Free Outfall	402.68	0.00	0.00	(N/A)	0.00
407.20	2.30	407.20	Free Outfall	402.68	0.00	0.00	(N/A)	0.00
407.30	2.36	407.30	Free Outfall	402.94	0.00	0.00	(N/A)	0.00
407.40	2.42	407.40	Free Outfall	403.17	0.00	0.00	(N/A)	0.00
407.50	2.47	407.50	Free Outfall	403.41	0.00	0.00	(N/A)	0.00
407.60	2.53	407.60	Free Outfall	403.25	0.00	0.00	(N/A)	0.00
407.70	2.58	407.70	Free Outfall	403.35	0.00	0.00	(N/A)	0.00
407.80	2.64	407.80	Free Outfall	403.41	0.00	0.00	(N/A)	0.00
407.90	2.69	407.90	Free Outfall	403.70	0.00	0.00	(N/A)	0.00
408.00	2.74	408.00	Free Outfall	404.39	0.00	0.00	(N/A)	0.00
408.10	2.79	408.10	405.32	405.32	0.00	0.00	(N/A)	0.00
408.20	2.02	408.20	406.76	406.76	0.00	0.00	(N/A)	0.00
408.30	1.03	408.30	407.93	407.93	0.00	0.00	(N/A)	0.00
408.40	0.52	408.40	408.30	408.30	0.00	0.00	(N/A)	0.00

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 2 (Orifice-Circular)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Water Surface Elevation (ft)	Device Flow (ft ³ /s)	(into) Headwater Hydraulic Grade Line (ft)	Converge Downstream Hydraulic Grade Line (ft)	Next Downstream Hydraulic Grade Line (ft)	Downstream Hydraulic Grade Line Error (ft)	Convergence Error (ft ³ /s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)
408.50	0.00	408.50	408.50	408.50	0.00	0.00	(N/A)	0.00
408.60	0.00	408.60	408.60	408.60	0.00	0.00	(N/A)	0.00
408.70	0.00	408.70	408.70	408.70	0.00	0.00	(N/A)	0.00
408.80	0.00	408.80	408.80	408.80	0.00	0.00	(N/A)	0.00
408.90	0.00	408.90	408.90	408.90	0.00	0.00	(N/A)	0.00
409.00	0.00	409.00	409.00	409.00	0.00	0.00	(N/A)	0.00
409.10	0.00	409.10	409.10	409.10	0.00	0.00	(N/A)	0.00
409.20	0.00	409.20	409.20	409.20	0.00	0.00	(N/A)	0.00
409.30	0.00	409.30	409.30	409.30	0.00	0.00	(N/A)	0.00
409.40	0.00	409.40	409.40	409.40	0.00	0.00	(N/A)	0.00
409.50	0.00	409.50	409.50	409.50	0.00	0.00	(N/A)	0.00
409.60	0.00	409.60	409.60	409.60	0.00	0.00	(N/A)	0.00
409.70	0.00	409.70	409.70	409.70	0.00	0.00	(N/A)	0.00
409.80	0.00	409.80	409.80	409.80	0.00	0.00	(N/A)	0.00
409.90	0.00	409.90	409.90	409.90	0.00	0.00	(N/A)	0.00
410.00	0.00	410.00	410.00	410.00	0.00	0.00	(N/A)	0.00

Message

WS below an invert; no flow.
 CRIT.DEPTH CONTROL
 Vh= .017ft Dcr= .083ft
 CRIT.DEPTH Hev= .00ft
 CRIT.DEPTH CONTROL
 Vh= .032ft Dcr= .167ft
 CRIT.DEPTH Hev= .00ft
 CRIT.DEPTH CONTROL
 Vh= .133ft Dcr= .167ft
 CRIT.DEPTH Hev= .00ft
 CRIT.DEPTH CONTROL
 Vh= .150ft Dcr= .250ft
 CRIT.DEPTH Hev= .00ft
 CRIT.DEPTH CONTROL
 Vh= .167ft Dcr= .333ft
 CRIT.DEPTH Hev= .00ft
 CRIT.DEPTH CONTROL
 Vh= .183ft Dcr= .416ft
 CRIT.DEPTH Hev= .00ft

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 2 (Orifice-Circular)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
H =.37
H =.47
H =.57
H =.67
H =.77
H =.87
H =.97
H =1.07
H =1.17
H =1.27
H =1.37
H =1.47
H =1.57
H =1.67
H =1.77
H =1.87
H =1.97
H =2.07
H =2.17
H =2.27
H =2.37
H =2.47
H =2.57
H =2.67
H =2.77
H =1.44
H =.37
H =.10
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 2 (Orifice-Circular)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
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FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Orifice - 2 (Orifice-Circular)

Upstream ID = (Pond Water Surface)

Downstream ID = Culvert - 1 (Culvert-Circular)

Message
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
405.00	0.00	(N/A)	0.00
405.10	0.08	(N/A)	0.00
405.20	0.08	(N/A)	0.00
405.30	0.18	(N/A)	0.00
405.40	0.37	(N/A)	0.00
405.50	0.57	(N/A)	0.00
405.60	0.88	(N/A)	0.00
405.70	1.00	(N/A)	0.00
405.80	1.11	(N/A)	0.00
405.90	1.28	(N/A)	0.00
406.00	1.45	(N/A)	0.00
406.10	1.55	(N/A)	0.00
406.20	1.55	(N/A)	0.00
406.30	1.65	(N/A)	0.00
406.40	1.73	(N/A)	0.00
406.50	1.85	(N/A)	0.00
406.60	1.85	(N/A)	0.00
406.70	1.96	(N/A)	0.00
406.80	2.03	(N/A)	0.00
406.90	2.03	(N/A)	0.00
407.00	2.17	(N/A)	0.00
407.10	2.17	(N/A)	0.00
407.20	2.30	(N/A)	0.00
407.30	3.53	(N/A)	0.00
407.40	5.10	(N/A)	0.00
407.50	6.77	(N/A)	0.00
407.60	5.61	(N/A)	0.00
407.70	6.37	(N/A)	0.00
407.80	6.77	(N/A)	0.00
407.90	8.77	(N/A)	0.00
408.00	12.12	(N/A)	0.00
408.10	15.45	(N/A)	0.00
408.20	19.51	(N/A)	0.00
408.30	22.26	(N/A)	0.00
408.40	23.08	(N/A)	0.00
408.50	23.50	(N/A)	0.00
408.60	23.70	(N/A)	0.00
408.70	23.91	(N/A)	0.00
408.80	24.12	(N/A)	0.00
408.90	24.32	(N/A)	0.00
409.00	24.52	(N/A)	0.00
409.10	24.72	(N/A)	0.00

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
409.20	24.92	(N/A)	0.00
409.30	25.12	(N/A)	0.00
409.40	25.31	(N/A)	0.00
409.50	25.50	(N/A)	0.00
409.60	25.70	(N/A)	0.00
409.70	25.89	(N/A)	0.00
409.80	26.08	(N/A)	0.00
409.90	26.27	(N/A)	0.00
410.00	26.45	(N/A)	0.00

Contributing Structures

(no Q: Weir - 1,Orifice -
1,Riser - 1,Orifice -
2,Culvert - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)
Orifice - 2,Culvert - 1
(no Q: Weir - 1,Orifice -
1,Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Composite Outflow Summary

Contributing Structures
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Composite Outflow Summary

Contributing Structures

Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Composite Outflow Summary

Contributing Structures
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Requested Pond Water Surface Elevations

Minimum (Headwater)	405.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	410.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	Weir - 1	Forward	Culvert - 1	407.20	407.53
Orifice-Area	Orifice - 1	Forward	Culvert - 1	407.20	410.00
Inlet Box	Riser - 1	Forward	Culvert - 1	407.80	410.00
Orifice-Circular	Orifice - 2	Forward	Culvert - 1	405.00	410.00
Culvert-Circular	Culvert - 1	Forward	TW	401.87	410.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Structure ID: Culvert - 1	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	38.78 ft
Length (Computed Barrel)	38.78 ft
Slope (Computed)	0.011 ft/ft
Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.200
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)	1.089
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	403.50 ft	T1 Flow	7.58 ft ³ /s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft ³ /s

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Structure ID: Riser - 1	
Structure Type: Inlet Box	
Number of Openings	1
Elevation	407.82 ft
Orifice Area	16.0 ft ²
Orifice Coefficient	0.600
Weir Length	16.00 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: Orifice - 1	
Structure Type: Orifice-Area	
Number of Openings	1
Elevation	407.20 ft
Orifice Area	1.3 ft ²
Top Elevation	407.53 ft
Datum Elevation	407.36 ft
Orifice Coefficient	0.600
Structure ID: Weir - 1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	407.20 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft ^{0.5})/s
Structure ID: Orifice - 2	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	405.00 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600
Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

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)	0.100 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
405.00	0.00	(N/A)	0.00
405.10	0.08	(N/A)	0.00
405.20	0.08	(N/A)	0.00
405.30	0.18	(N/A)	0.00
405.40	0.37	(N/A)	0.00
405.50	0.57	(N/A)	0.00
405.60	0.88	(N/A)	0.00
405.70	1.00	(N/A)	0.00
405.80	1.11	(N/A)	0.00
405.90	1.28	(N/A)	0.00
406.00	1.45	(N/A)	0.00
406.10	1.55	(N/A)	0.00
406.20	1.55	(N/A)	0.00
406.30	1.65	(N/A)	0.00
406.40	1.73	(N/A)	0.00
406.50	1.85	(N/A)	0.00
406.60	1.85	(N/A)	0.00
406.70	1.96	(N/A)	0.00
406.80	2.03	(N/A)	0.00
406.90	2.03	(N/A)	0.00
407.00	2.17	(N/A)	0.00
407.10	2.17	(N/A)	0.00
407.20	2.30	(N/A)	0.00
407.30	3.53	(N/A)	0.00
407.40	5.10	(N/A)	0.00
407.50	6.77	(N/A)	0.00
407.60	5.61	(N/A)	0.00
407.70	6.37	(N/A)	0.00
407.80	6.77	(N/A)	0.00
407.90	8.77	(N/A)	0.00
408.00	12.12	(N/A)	0.00
408.10	15.45	(N/A)	0.00
408.20	19.51	(N/A)	0.00
408.30	22.26	(N/A)	0.00
408.40	23.08	(N/A)	0.00
408.50	23.50	(N/A)	0.00
408.60	23.70	(N/A)	0.00
408.70	23.91	(N/A)	0.00
408.80	24.12	(N/A)	0.00
408.90	24.32	(N/A)	0.00
409.00	24.52	(N/A)	0.00
409.10	24.72	(N/A)	0.00

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
409.20	24.92	(N/A)	0.00
409.30	25.12	(N/A)	0.00
409.40	25.31	(N/A)	0.00
409.50	25.50	(N/A)	0.00
409.60	25.70	(N/A)	0.00
409.70	25.89	(N/A)	0.00
409.80	26.08	(N/A)	0.00
409.90	26.27	(N/A)	0.00
410.00	26.45	(N/A)	0.00

Contributing Structures

[illegible]

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Composite Outflow Summary

Contributing Structures
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Composite Outflow Summary

Contributing Structures

Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Composite Outflow Summary

Contributing Structures
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Requested Pond Water Surface Elevations

Minimum (Headwater)	405.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	410.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	Weir - 1	Forward	Culvert - 1	407.20	407.53
Orifice-Area	Orifice - 1	Forward	Culvert - 1	407.20	410.00
Inlet Box	Riser - 1	Forward	Culvert - 1	407.80	410.00
Orifice-Circular	Orifice - 2	Forward	Culvert - 1	405.00	410.00
Culvert-Circular	Culvert - 1	Forward	TW	401.87	410.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Structure ID: Culvert - 1	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	38.78 ft
Length (Computed Barrel)	38.78 ft
Slope (Computed)	0.011 ft/ft
Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.200
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)	1.089
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	403.50 ft	T1 Flow	7.58 ft ³ /s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft ³ /s

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Structure ID: Riser - 1
Structure Type: Inlet Box

Number of Openings	1
Elevation	407.82 ft
Orifice Area	16.0 ft ²
Orifice Coefficient	0.600
Weir Length	16.00 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: Orifice - 1
Structure Type: Orifice-Area

Number of Openings	1
Elevation	407.20 ft
Orifice Area	1.3 ft ²
Top Elevation	407.53 ft
Datum Elevation	407.36 ft
Orifice Coefficient	0.600

Structure ID: Weir - 1
Structure Type: Rectangular Weir

Number of Openings	1
Elevation	407.20 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft ^{0.5})/s

Structure ID: Orifice - 2
Structure Type: Orifice-Circular

Number of Openings	1
Elevation	405.00 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

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

Tailwater Type	Free Outfall
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Convergence Tolerances

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

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)	0.100 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
405.00	0.00	(N/A)	0.00
405.10	0.08	(N/A)	0.00
405.20	0.08	(N/A)	0.00
405.30	0.18	(N/A)	0.00
405.40	0.37	(N/A)	0.00
405.50	0.57	(N/A)	0.00
405.60	0.88	(N/A)	0.00
405.70	1.00	(N/A)	0.00
405.80	1.11	(N/A)	0.00
405.90	1.28	(N/A)	0.00
406.00	1.45	(N/A)	0.00
406.10	1.55	(N/A)	0.00
406.20	1.55	(N/A)	0.00
406.30	1.65	(N/A)	0.00
406.40	1.73	(N/A)	0.00
406.50	1.85	(N/A)	0.00
406.60	1.85	(N/A)	0.00
406.70	1.96	(N/A)	0.00
406.80	2.03	(N/A)	0.00
406.90	2.03	(N/A)	0.00
407.00	2.17	(N/A)	0.00
407.10	2.17	(N/A)	0.00
407.20	2.30	(N/A)	0.00
407.30	3.53	(N/A)	0.00
407.40	5.10	(N/A)	0.00
407.50	6.77	(N/A)	0.00
407.60	5.61	(N/A)	0.00
407.70	6.37	(N/A)	0.00
407.80	6.77	(N/A)	0.00
407.90	8.77	(N/A)	0.00
408.00	12.12	(N/A)	0.00
408.10	15.45	(N/A)	0.00
408.20	19.51	(N/A)	0.00
408.30	22.26	(N/A)	0.00
408.40	23.08	(N/A)	0.00
408.50	23.50	(N/A)	0.00
408.60	23.70	(N/A)	0.00
408.70	23.91	(N/A)	0.00
408.80	24.12	(N/A)	0.00
408.90	24.32	(N/A)	0.00
409.00	24.52	(N/A)	0.00
409.10	24.72	(N/A)	0.00

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
409.20	24.92	(N/A)	0.00
409.30	25.12	(N/A)	0.00
409.40	25.31	(N/A)	0.00
409.50	25.50	(N/A)	0.00
409.60	25.70	(N/A)	0.00
409.70	25.89	(N/A)	0.00
409.80	26.08	(N/A)	0.00
409.90	26.27	(N/A)	0.00
410.00	26.45	(N/A)	0.00

Contributing Structures

(no Q: Weir - 1, Orifice -
1, Riser - 1, Orifice -
2, Culvert - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)
Orifice - 2, Culvert - 1
(no Q: Weir - 1, Orifice -
1, Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Composite Outflow Summary

Contributing Structures
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Composite Outflow Summary

Contributing Structures

Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Composite Outflow Summary

Contributing Structures
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Requested Pond Water Surface Elevations

Minimum (Headwater)	405.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	410.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	Weir - 1	Forward	Culvert - 1	407.20	407.53
Orifice-Area	Orifice - 1	Forward	Culvert - 1	407.20	410.00
Inlet Box	Riser - 1	Forward	Culvert - 1	407.80	410.00
Orifice-Circular	Orifice - 2	Forward	Culvert - 1	405.00	410.00
Culvert-Circular	Culvert - 1	Forward	TW	401.87	410.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Structure ID: Culvert - 1	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	38.78 ft
Length (Computed Barrel)	38.78 ft
Slope (Computed)	0.011 ft/ft
Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.200
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)	1.089
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	403.50 ft	T1 Flow	7.58 ft ³ /s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft ³ /s

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Structure ID: Riser - 1
Structure Type: Inlet Box

Number of Openings	1
Elevation	407.82 ft
Orifice Area	16.0 ft ²
Orifice Coefficient	0.600
Weir Length	16.00 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: Orifice - 1
Structure Type: Orifice-Area

Number of Openings	1
Elevation	407.20 ft
Orifice Area	1.3 ft ²
Top Elevation	407.53 ft
Datum Elevation	407.36 ft
Orifice Coefficient	0.600

Structure ID: Weir - 1
Structure Type: Rectangular Weir

Number of Openings	1
Elevation	407.20 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft ^{0.5})/s

Structure ID: Orifice - 2
Structure Type: Orifice-Circular

Number of Openings	1
Elevation	405.00 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

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

Tailwater Type	Free Outfall
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Convergence Tolerances

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

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)	0.100 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
405.00	0.00	(N/A)	0.00
405.10	0.08	(N/A)	0.00
405.20	0.08	(N/A)	0.00
405.30	0.18	(N/A)	0.00
405.40	0.37	(N/A)	0.00
405.50	0.57	(N/A)	0.00
405.60	0.88	(N/A)	0.00
405.70	1.00	(N/A)	0.00
405.80	1.11	(N/A)	0.00
405.90	1.28	(N/A)	0.00
406.00	1.45	(N/A)	0.00
406.10	1.55	(N/A)	0.00
406.20	1.55	(N/A)	0.00
406.30	1.65	(N/A)	0.00
406.40	1.73	(N/A)	0.00
406.50	1.85	(N/A)	0.00
406.60	1.85	(N/A)	0.00
406.70	1.96	(N/A)	0.00
406.80	2.03	(N/A)	0.00
406.90	2.03	(N/A)	0.00
407.00	2.17	(N/A)	0.00
407.10	2.17	(N/A)	0.00
407.20	2.30	(N/A)	0.00
407.30	3.53	(N/A)	0.00
407.40	5.10	(N/A)	0.00
407.50	6.77	(N/A)	0.00
407.60	5.61	(N/A)	0.00
407.70	6.37	(N/A)	0.00
407.80	6.77	(N/A)	0.00
407.90	8.77	(N/A)	0.00
408.00	12.12	(N/A)	0.00
408.10	15.45	(N/A)	0.00
408.20	19.51	(N/A)	0.00
408.30	22.26	(N/A)	0.00
408.40	23.08	(N/A)	0.00
408.50	23.50	(N/A)	0.00
408.60	23.70	(N/A)	0.00
408.70	23.91	(N/A)	0.00
408.80	24.12	(N/A)	0.00
408.90	24.32	(N/A)	0.00
409.00	24.52	(N/A)	0.00
409.10	24.72	(N/A)	0.00

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
409.20	24.92	(N/A)	0.00
409.30	25.12	(N/A)	0.00
409.40	25.31	(N/A)	0.00
409.50	25.50	(N/A)	0.00
409.60	25.70	(N/A)	0.00
409.70	25.89	(N/A)	0.00
409.80	26.08	(N/A)	0.00
409.90	26.27	(N/A)	0.00
410.00	26.45	(N/A)	0.00

Contributing Structures

[illegible]

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Composite Outflow Summary

Contributing Structures
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Composite Outflow Summary

[illegible]

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Composite Outflow Summary

Contributing Structures
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Outfall Structure

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Requested Pond Water Surface Elevations

Minimum (Headwater)	405.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	410.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	Weir - 1	Forward	Culvert - 1	407.20	407.53
Orifice-Area	Orifice - 1	Forward	Culvert - 1	407.20	410.00
Inlet Box	Riser - 1	Forward	Culvert - 1	407.82	410.00
Orifice-Circular	Orifice - 2	Forward	Culvert - 1	405.00	410.00
Culvert-Circular	Culvert - 1	Forward	TW	401.87	410.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Structure ID: Culvert - 1	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	38.78 ft
Length (Computed Barrel)	38.78 ft
Slope (Computed)	0.011 ft/ft
Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.200
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)	1.089
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	403.50 ft	T1 Flow	7.58 ft ³ /s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft ³ /s

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Outfall Structure

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Structure ID: Riser - 1
Structure Type: Inlet Box

Number of Openings	1
Elevation	407.82 ft
Orifice Area	16.0 ft ²
Orifice Coefficient	0.600
Weir Length	16.00 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: Orifice - 1
Structure Type: Orifice-Area

Number of Openings	1
Elevation	407.20 ft
Orifice Area	1.3 ft ²
Top Elevation	407.53 ft
Datum Elevation	407.36 ft
Orifice Coefficient	0.600

Structure ID: Weir - 1
Structure Type: Rectangular Weir

Number of Openings	1
Elevation	407.20 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft ^{0.5})/s

Structure ID: Orifice - 2
Structure Type: Orifice-Circular

Number of Openings	1
Elevation	405.00 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

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

Tailwater Type	Free Outfall
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Convergence Tolerances

Post-Development Conditions

Subsection: Outlet Input Data

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

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)	0.100 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = ()

Upstream ID =

Downstream ID =

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
Contributing Structures			

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
405.00	0.00	(N/A)	0.00
405.10	0.08	(N/A)	0.00
405.20	0.08	(N/A)	0.00
405.30	0.18	(N/A)	0.00
405.40	0.37	(N/A)	0.00
405.50	0.57	(N/A)	0.00
405.60	0.88	(N/A)	0.00
405.70	1.00	(N/A)	0.00
405.80	1.11	(N/A)	0.00
405.90	1.28	(N/A)	0.00
406.00	1.45	(N/A)	0.00
406.10	1.55	(N/A)	0.00
406.20	1.55	(N/A)	0.00
406.30	1.65	(N/A)	0.00
406.40	1.73	(N/A)	0.00
406.50	1.85	(N/A)	0.00
406.60	1.85	(N/A)	0.00
406.70	1.96	(N/A)	0.00
406.80	2.03	(N/A)	0.00
406.90	2.03	(N/A)	0.00
407.00	2.17	(N/A)	0.00
407.10	2.17	(N/A)	0.00
407.20	2.30	(N/A)	0.00
407.30	3.53	(N/A)	0.00
407.40	5.10	(N/A)	0.00
407.50	6.77	(N/A)	0.00
407.60	5.61	(N/A)	0.00
407.70	6.37	(N/A)	0.00
407.80	6.77	(N/A)	0.00
407.82	6.96	(N/A)	0.00
407.90	8.34	(N/A)	0.00
408.00	11.49	(N/A)	0.00
408.10	14.34	(N/A)	0.00
408.20	19.15	(N/A)	0.00
408.30	21.28	(N/A)	0.00
408.40	22.85	(N/A)	0.00
408.50	23.50	(N/A)	0.00
408.60	23.70	(N/A)	0.00
408.70	23.91	(N/A)	0.00
408.80	24.12	(N/A)	0.00
408.90	24.32	(N/A)	0.00
409.00	24.52	(N/A)	0.00

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
409.10	24.72	(N/A)	0.00
409.20	24.92	(N/A)	0.00
409.30	25.12	(N/A)	0.00
409.40	25.31	(N/A)	0.00
409.50	25.50	(N/A)	0.00
409.60	25.70	(N/A)	0.00
409.70	25.89	(N/A)	0.00
409.80	26.08	(N/A)	0.00
409.90	26.27	(N/A)	0.00
410.00	26.45	(N/A)	0.00

Contributing Structures

(no Q: Weir - 1, Orifice - 1, Riser - 1, Orifice - 2, Culvert - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)
 Orifice - 2, Culvert - 1
 (no Q: Weir - 1, Orifice - 1, Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Composite Outflow Summary

Contributing Structures
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Weir - 1,Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Composite Outflow Summary

Contributing Structures
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1,Riser - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1 (no Q: Weir - 1)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Outfall Structure

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Composite Outflow Summary

Contributing Structures
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)
Riser - 1,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Orifice - 2)

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	405.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
405.00	0.00	0.000	0.023	0.00	0.00	0.00
405.10	0.08	0.002	0.024	0.00	0.08	1.79
405.20	0.08	0.005	0.025	0.00	0.08	3.56
405.30	0.18	0.007	0.026	0.00	0.18	5.50
405.40	0.37	0.010	0.027	0.00	0.37	7.60
405.50	0.57	0.013	0.028	0.00	0.57	9.78
405.60	0.88	0.015	0.029	0.00	0.88	12.13
405.70	1.00	0.018	0.030	0.00	1.00	14.37
405.80	1.11	0.021	0.031	0.00	1.11	16.67
405.90	1.28	0.025	0.032	0.00	1.28	19.09
406.00	1.45	0.028	0.033	0.00	1.45	21.60
406.10	1.55	0.031	0.034	0.00	1.55	24.12
406.20	1.55	0.035	0.035	0.00	1.55	26.60
406.30	1.65	0.038	0.036	0.00	1.65	29.27
406.40	1.73	0.042	0.037	0.00	1.73	31.98
406.50	1.85	0.045	0.038	0.00	1.85	34.82
406.60	1.85	0.049	0.039	0.00	1.85	37.62
406.70	1.96	0.053	0.040	0.00	1.96	40.62
406.80	2.03	0.057	0.041	0.00	2.03	43.64
406.90	2.03	0.062	0.043	0.00	2.03	46.69
407.00	2.17	0.066	0.044	0.00	2.17	49.96
407.10	2.17	0.070	0.045	0.00	2.17	53.18
407.20	2.30	0.075	0.046	0.00	2.30	56.61
407.30	3.53	0.080	0.047	0.00	3.53	61.25
407.40	5.10	0.084	0.049	0.00	5.10	66.31
407.50	6.77	0.089	0.050	0.00	6.77	71.57
407.60	5.61	0.094	0.051	0.00	5.61	74.09
407.70	6.37	0.100	0.053	0.00	6.37	78.63
407.80	6.77	0.105	0.054	0.00	6.77	82.91

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 2 years

Label: Detention Pond

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
407.90	8.77	0.110	0.056	0.00	8.77	88.90
408.00	12.12	0.116	0.057	0.00	12.12	96.32
408.10	15.45	0.122	0.058	0.00	15.45	103.83
408.20	19.51	0.128	0.059	0.00	19.51	112.15
408.30	22.26	0.134	0.061	0.00	22.26	119.26
408.40	23.08	0.140	0.062	0.00	23.08	124.51
408.50	23.50	0.146	0.063	0.00	23.50	129.46
408.60	23.70	0.152	0.064	0.00	23.70	134.30
408.70	23.91	0.159	0.066	0.00	23.91	139.22
408.80	24.12	0.165	0.067	0.00	24.12	144.23
408.90	24.32	0.172	0.068	0.00	24.32	149.34
409.00	24.52	0.179	0.070	0.00	24.52	154.55
409.10	24.72	0.186	0.071	0.00	24.72	159.84
409.20	24.92	0.193	0.072	0.00	24.92	165.25
409.30	25.12	0.201	0.074	0.00	25.12	170.75
409.40	25.31	0.208	0.075	0.00	25.31	176.36
409.50	25.50	0.216	0.077	0.00	25.50	182.07
409.60	25.70	0.223	0.078	0.00	25.70	187.90
409.70	25.89	0.231	0.080	0.00	25.89	193.83
409.80	26.08	0.239	0.081	0.00	26.08	199.86
409.90	26.27	0.248	0.083	0.00	26.27	206.01
410.00	26.45	0.256	0.084	0.00	26.45	212.26

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	405.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
405.00	0.00	0.000	0.023	0.00	0.00	0.00
405.10	0.08	0.002	0.024	0.00	0.08	1.79
405.20	0.08	0.005	0.025	0.00	0.08	3.56
405.30	0.18	0.007	0.026	0.00	0.18	5.50
405.40	0.37	0.010	0.027	0.00	0.37	7.60
405.50	0.57	0.013	0.028	0.00	0.57	9.78
405.60	0.88	0.015	0.029	0.00	0.88	12.13
405.70	1.00	0.018	0.030	0.00	1.00	14.37
405.80	1.11	0.021	0.031	0.00	1.11	16.67
405.90	1.28	0.025	0.032	0.00	1.28	19.09
406.00	1.45	0.028	0.033	0.00	1.45	21.60
406.10	1.55	0.031	0.034	0.00	1.55	24.12
406.20	1.55	0.035	0.035	0.00	1.55	26.60
406.30	1.65	0.038	0.036	0.00	1.65	29.27
406.40	1.73	0.042	0.037	0.00	1.73	31.98
406.50	1.85	0.045	0.038	0.00	1.85	34.82
406.60	1.85	0.049	0.039	0.00	1.85	37.62
406.70	1.96	0.053	0.040	0.00	1.96	40.62
406.80	2.03	0.057	0.041	0.00	2.03	43.64
406.90	2.03	0.062	0.043	0.00	2.03	46.69
407.00	2.17	0.066	0.044	0.00	2.17	49.96
407.10	2.17	0.070	0.045	0.00	2.17	53.18
407.20	2.30	0.075	0.046	0.00	2.30	56.61
407.30	3.53	0.080	0.047	0.00	3.53	61.25
407.40	5.10	0.084	0.049	0.00	5.10	66.31
407.50	6.77	0.089	0.050	0.00	6.77	71.57
407.60	5.61	0.094	0.051	0.00	5.61	74.09
407.70	6.37	0.100	0.053	0.00	6.37	78.63
407.80	6.77	0.105	0.054	0.00	6.77	82.91

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
407.90	8.77	0.110	0.056	0.00	8.77	88.90
408.00	12.12	0.116	0.057	0.00	12.12	96.32
408.10	15.45	0.122	0.058	0.00	15.45	103.83
408.20	19.51	0.128	0.059	0.00	19.51	112.15
408.30	22.26	0.134	0.061	0.00	22.26	119.26
408.40	23.08	0.140	0.062	0.00	23.08	124.51
408.50	23.50	0.146	0.063	0.00	23.50	129.46
408.60	23.70	0.152	0.064	0.00	23.70	134.30
408.70	23.91	0.159	0.066	0.00	23.91	139.22
408.80	24.12	0.165	0.067	0.00	24.12	144.23
408.90	24.32	0.172	0.068	0.00	24.32	149.34
409.00	24.52	0.179	0.070	0.00	24.52	154.55
409.10	24.72	0.186	0.071	0.00	24.72	159.84
409.20	24.92	0.193	0.072	0.00	24.92	165.25
409.30	25.12	0.201	0.074	0.00	25.12	170.75
409.40	25.31	0.208	0.075	0.00	25.31	176.36
409.50	25.50	0.216	0.077	0.00	25.50	182.07
409.60	25.70	0.223	0.078	0.00	25.70	187.90
409.70	25.89	0.231	0.080	0.00	25.89	193.83
409.80	26.08	0.239	0.081	0.00	26.08	199.86
409.90	26.27	0.248	0.083	0.00	26.27	206.01
410.00	26.45	0.256	0.084	0.00	26.45	212.26

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	405.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
405.00	0.00	0.000	0.023	0.00	0.00	0.00
405.10	0.08	0.002	0.024	0.00	0.08	1.79
405.20	0.08	0.005	0.025	0.00	0.08	3.56
405.30	0.18	0.007	0.026	0.00	0.18	5.50
405.40	0.37	0.010	0.027	0.00	0.37	7.60
405.50	0.57	0.013	0.028	0.00	0.57	9.78
405.60	0.88	0.015	0.029	0.00	0.88	12.13
405.70	1.00	0.018	0.030	0.00	1.00	14.37
405.80	1.11	0.021	0.031	0.00	1.11	16.67
405.90	1.28	0.025	0.032	0.00	1.28	19.09
406.00	1.45	0.028	0.033	0.00	1.45	21.60
406.10	1.55	0.031	0.034	0.00	1.55	24.12
406.20	1.55	0.035	0.035	0.00	1.55	26.60
406.30	1.65	0.038	0.036	0.00	1.65	29.27
406.40	1.73	0.042	0.037	0.00	1.73	31.98
406.50	1.85	0.045	0.038	0.00	1.85	34.82
406.60	1.85	0.049	0.039	0.00	1.85	37.62
406.70	1.96	0.053	0.040	0.00	1.96	40.62
406.80	2.03	0.057	0.041	0.00	2.03	43.64
406.90	2.03	0.062	0.043	0.00	2.03	46.69
407.00	2.17	0.066	0.044	0.00	2.17	49.96
407.10	2.17	0.070	0.045	0.00	2.17	53.18
407.20	2.30	0.075	0.046	0.00	2.30	56.61
407.30	3.53	0.080	0.047	0.00	3.53	61.25
407.40	5.10	0.084	0.049	0.00	5.10	66.31
407.50	6.77	0.089	0.050	0.00	6.77	71.57
407.60	5.61	0.094	0.051	0.00	5.61	74.09
407.70	6.37	0.100	0.053	0.00	6.37	78.63
407.80	6.77	0.105	0.054	0.00	6.77	82.91

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Detention Pond

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
407.90	8.77	0.110	0.056	0.00	8.77	88.90
408.00	12.12	0.116	0.057	0.00	12.12	96.32
408.10	15.45	0.122	0.058	0.00	15.45	103.83
408.20	19.51	0.128	0.059	0.00	19.51	112.15
408.30	22.26	0.134	0.061	0.00	22.26	119.26
408.40	23.08	0.140	0.062	0.00	23.08	124.51
408.50	23.50	0.146	0.063	0.00	23.50	129.46
408.60	23.70	0.152	0.064	0.00	23.70	134.30
408.70	23.91	0.159	0.066	0.00	23.91	139.22
408.80	24.12	0.165	0.067	0.00	24.12	144.23
408.90	24.32	0.172	0.068	0.00	24.32	149.34
409.00	24.52	0.179	0.070	0.00	24.52	154.55
409.10	24.72	0.186	0.071	0.00	24.72	159.84
409.20	24.92	0.193	0.072	0.00	24.92	165.25
409.30	25.12	0.201	0.074	0.00	25.12	170.75
409.40	25.31	0.208	0.075	0.00	25.31	176.36
409.50	25.50	0.216	0.077	0.00	25.50	182.07
409.60	25.70	0.223	0.078	0.00	25.70	187.90
409.70	25.89	0.231	0.080	0.00	25.89	193.83
409.80	26.08	0.239	0.081	0.00	26.08	199.86
409.90	26.27	0.248	0.083	0.00	26.27	206.01
410.00	26.45	0.256	0.084	0.00	26.45	212.26

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	405.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
405.00	0.00	0.000	0.023	0.00	0.00	0.00
405.10	0.08	0.002	0.024	0.00	0.08	1.79
405.20	0.08	0.005	0.025	0.00	0.08	3.56
405.30	0.18	0.007	0.026	0.00	0.18	5.50
405.40	0.37	0.010	0.027	0.00	0.37	7.60
405.50	0.57	0.013	0.028	0.00	0.57	9.78
405.60	0.88	0.015	0.029	0.00	0.88	12.13
405.70	1.00	0.018	0.030	0.00	1.00	14.37
405.80	1.11	0.021	0.031	0.00	1.11	16.67
405.90	1.28	0.025	0.032	0.00	1.28	19.09
406.00	1.45	0.028	0.033	0.00	1.45	21.60
406.10	1.55	0.031	0.034	0.00	1.55	24.12
406.20	1.55	0.035	0.035	0.00	1.55	26.60
406.30	1.65	0.038	0.036	0.00	1.65	29.27
406.40	1.73	0.042	0.037	0.00	1.73	31.98
406.50	1.85	0.045	0.038	0.00	1.85	34.82
406.60	1.85	0.049	0.039	0.00	1.85	37.62
406.70	1.96	0.053	0.040	0.00	1.96	40.62
406.80	2.03	0.057	0.041	0.00	2.03	43.64
406.90	2.03	0.062	0.043	0.00	2.03	46.69
407.00	2.17	0.066	0.044	0.00	2.17	49.96
407.10	2.17	0.070	0.045	0.00	2.17	53.18
407.20	2.30	0.075	0.046	0.00	2.30	56.61
407.30	3.53	0.080	0.047	0.00	3.53	61.25
407.40	5.10	0.084	0.049	0.00	5.10	66.31
407.50	6.77	0.089	0.050	0.00	6.77	71.57
407.60	5.61	0.094	0.051	0.00	5.61	74.09
407.70	6.37	0.100	0.053	0.00	6.37	78.63
407.80	6.77	0.105	0.054	0.00	6.77	82.91

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 50 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
407.90	8.77	0.110	0.056	0.00	8.77	88.90
408.00	12.12	0.116	0.057	0.00	12.12	96.32
408.10	15.45	0.122	0.058	0.00	15.45	103.83
408.20	19.51	0.128	0.059	0.00	19.51	112.15
408.30	22.26	0.134	0.061	0.00	22.26	119.26
408.40	23.08	0.140	0.062	0.00	23.08	124.51
408.50	23.50	0.146	0.063	0.00	23.50	129.46
408.60	23.70	0.152	0.064	0.00	23.70	134.30
408.70	23.91	0.159	0.066	0.00	23.91	139.22
408.80	24.12	0.165	0.067	0.00	24.12	144.23
408.90	24.32	0.172	0.068	0.00	24.32	149.34
409.00	24.52	0.179	0.070	0.00	24.52	154.55
409.10	24.72	0.186	0.071	0.00	24.72	159.84
409.20	24.92	0.193	0.072	0.00	24.92	165.25
409.30	25.12	0.201	0.074	0.00	25.12	170.75
409.40	25.31	0.208	0.075	0.00	25.31	176.36
409.50	25.50	0.216	0.077	0.00	25.50	182.07
409.60	25.70	0.223	0.078	0.00	25.70	187.90
409.70	25.89	0.231	0.080	0.00	25.89	193.83
409.80	26.08	0.239	0.081	0.00	26.08	199.86
409.90	26.27	0.248	0.083	0.00	26.27	206.01
410.00	26.45	0.256	0.084	0.00	26.45	212.26

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Detention Pond

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	405.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
405.00	0.00	0.000	0.023	0.00	0.00	0.00
405.10	0.08	0.002	0.024	0.00	0.08	1.79
405.20	0.08	0.005	0.025	0.00	0.08	3.56
405.30	0.18	0.007	0.026	0.00	0.18	5.50
405.40	0.37	0.010	0.027	0.00	0.37	7.60
405.50	0.57	0.013	0.028	0.00	0.57	9.78
405.60	0.88	0.015	0.029	0.00	0.88	12.13
405.70	1.00	0.018	0.030	0.00	1.00	14.37
405.80	1.11	0.021	0.031	0.00	1.11	16.67
405.90	1.28	0.025	0.032	0.00	1.28	19.09
406.00	1.45	0.028	0.033	0.00	1.45	21.60
406.10	1.55	0.031	0.034	0.00	1.55	24.12
406.20	1.55	0.035	0.035	0.00	1.55	26.60
406.30	1.65	0.038	0.036	0.00	1.65	29.27
406.40	1.73	0.042	0.037	0.00	1.73	31.98
406.50	1.85	0.045	0.038	0.00	1.85	34.82
406.60	1.85	0.049	0.039	0.00	1.85	37.62
406.70	1.96	0.053	0.040	0.00	1.96	40.62
406.80	2.03	0.057	0.041	0.00	2.03	43.64
406.90	2.03	0.062	0.043	0.00	2.03	46.69
407.00	2.17	0.066	0.044	0.00	2.17	49.96
407.10	2.17	0.070	0.045	0.00	2.17	53.18
407.20	2.30	0.075	0.046	0.00	2.30	56.61
407.30	3.53	0.080	0.047	0.00	3.53	61.25
407.40	5.10	0.084	0.049	0.00	5.10	66.31
407.50	6.77	0.089	0.050	0.00	6.77	71.57
407.60	5.61	0.094	0.051	0.00	5.61	74.09
407.70	6.37	0.100	0.053	0.00	6.37	78.63
407.80	6.77	0.105	0.054	0.00	6.77	82.91

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 100 years

Label: Detention Pond

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
407.82	6.96	0.106	0.054	0.00	6.96	83.89
407.90	8.34	0.110	0.056	0.00	8.34	88.46
408.00	11.49	0.116	0.057	0.00	11.49	95.70
408.10	14.34	0.122	0.058	0.00	14.34	102.72
408.20	19.15	0.128	0.059	0.00	19.15	111.79
408.30	21.28	0.134	0.061	0.00	21.28	118.28
408.40	22.85	0.140	0.062	0.00	22.85	124.28
408.50	23.50	0.146	0.063	0.00	23.50	129.46
408.60	23.70	0.152	0.064	0.00	23.70	134.30
408.70	23.91	0.159	0.066	0.00	23.91	139.22
408.80	24.12	0.165	0.067	0.00	24.12	144.23
408.90	24.32	0.172	0.068	0.00	24.32	149.34
409.00	24.52	0.179	0.070	0.00	24.52	154.55
409.10	24.72	0.186	0.071	0.00	24.72	159.84
409.20	24.92	0.193	0.072	0.00	24.92	165.25
409.30	25.12	0.201	0.074	0.00	25.12	170.75
409.40	25.31	0.208	0.075	0.00	25.31	176.36
409.50	25.50	0.216	0.077	0.00	25.50	182.07
409.60	25.70	0.223	0.078	0.00	25.70	187.90
409.70	25.89	0.231	0.080	0.00	25.89	193.83
409.80	26.08	0.239	0.081	0.00	26.08	199.86
409.90	26.27	0.248	0.083	0.00	26.27	206.01
410.00	26.45	0.256	0.084	0.00	26.45	212.26

Post-Development Conditions

Subsection: Detention Time

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Infiltration

Infiltration Method
(Computed)

No Infiltration

Approximate Detention Times

Time to Peak (Outflow + Infiltration, Peak to Peak Detention Time)	12.267 hours
Time to Peak (Inflow, Peak to Peak Detention Time)	12.100 hours
Detention Time (Peak to Peak)	0.167 hours
Time to Centroid (Outflow)	14.332 hours
Time to Centroid (Inflow)	13.967 hours
Detention Time (Centroid to Centroid)	0.365 hours
Weighted Average Plug Time	0.368 hours
Maximum Plug Volume Plug Time	0.260 hours
Maximum Inflow Plug Volume	0.009 ac-ft
Time (Maximum Plug Volume, Start)	12.100 hours
Time (Maximum Plug Volume, End)	12.133 hours

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Infiltration

Infiltration Method (Computed)	No Infiltration
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Initial Conditions

Elevation (Water Surface, Initial)	405.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.033 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.18 ft ³ /s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.81 ft ³ /s	Time to Peak (Flow, Outlet)	12.267 hours

Elevation (Water Surface, Peak)	406.46 ft
Volume (Peak)	0.044 ac-ft

Mass Balance (ac-ft)

Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.261 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.261 ac-ft
Volume (Retained)	0.000 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.0 %

Post-Development Conditions

Subsection: Detention Time

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Infiltration	
Infiltration Method (Computed)	No Infiltration
Approximate Detention Times	
Time to Peak (Outflow + Infiltration, Peak to Peak Detention Time)	12.200 hours
Time to Peak (Inflow, Peak to Peak Detention Time)	12.100 hours
Detention Time (Peak to Peak)	0.100 hours
Time to Centroid (Outflow)	14.075 hours
Time to Centroid (Inflow)	13.710 hours
Detention Time (Centroid to Centroid)	0.365 hours
Weighted Average Plug Time	0.369 hours
Maximum Plug Volume Plug Time	0.295 hours
Maximum Inflow Plug Volume	0.015 ac-ft
Time (Maximum Plug Volume, Start)	12.100 hours
Time (Maximum Plug Volume, End)	12.133 hours

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Infiltration			
Infiltration Method (Computed)		No Infiltration	
Initial Conditions			
Elevation (Water Surface, Initial)	405.00 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	0.033 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	5.43 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.73 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours
Peak Conditions			
Elevation (Water Surface, Peak)	407.31 ft		
Volume (Peak)	0.080 ac-ft		
Mass Balance (ac-ft)			
Volume (Initial)	0.000 ac-ft		
Volume (Total Inflow)	0.446 ac-ft		
Volume (Total Infiltration)	0.000 ac-ft		
Volume (Total Outlet Outflow)	0.446 ac-ft		
Volume (Retained)	0.000 ac-ft		
Volume (Unrouted)	0.000 ac-ft		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Detention Time

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Infiltration

Infiltration Method
(Computed)

No Infiltration

Approximate Detention Times

Time to Peak (Outflow + Infiltration, Peak to Peak Detention Time)	12.167 hours
Time to Peak (Inflow, Peak to Peak Detention Time)	12.100 hours
Detention Time (Peak to Peak)	0.067 hours
Time to Centroid (Outflow)	13.947 hours
Time to Centroid (Inflow)	13.611 hours
Detention Time (Centroid to Centroid)	0.336 hours
Weighted Average Plug Time	0.339 hours
Maximum Plug Volume Plug Time	0.235 hours
Maximum Inflow Plug Volume	0.018 ac-ft
Time (Maximum Plug Volume, Start)	12.100 hours
Time (Maximum Plug Volume, End)	12.133 hours

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Infiltration

Infiltration Method (Computed)	No Infiltration
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Initial Conditions

Elevation (Water Surface, Initial)	405.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.033 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.67 ft ³ /s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	5.83 ft ³ /s	Time to Peak (Flow, Outlet)	12.167 hours

Elevation (Water Surface, Peak)	407.44 ft
Volume (Peak)	0.086 ac-ft

Mass Balance (ac-ft)

Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.550 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.550 ac-ft
Volume (Retained)	0.000 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.0 %

Post-Development Conditions

Subsection: Detention Time

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Infiltration

Infiltration Method
(Computed)

No Infiltration

Approximate Detention Times

Time to Peak (Outflow + Infiltration, Peak to Peak Detention Time)	12.167 hours
Time to Peak (Inflow, Peak to Peak Detention Time)	12.100 hours
Detention Time (Peak to Peak)	0.067 hours
Time to Centroid (Outflow)	13.821 hours
Time to Centroid (Inflow)	13.511 hours
Detention Time (Centroid to Centroid)	0.310 hours
Weighted Average Plug Time	0.313 hours
Maximum Plug Volume Plug Time	0.181 hours
Maximum Inflow Plug Volume	0.022 ac-ft
Time (Maximum Plug Volume, Start)	12.067 hours
Time (Maximum Plug Volume, End)	12.100 hours

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Infiltration			
Infiltration Method (Computed)		No Infiltration	
Initial Conditions			
Elevation (Water Surface, Initial)	405.00 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	0.033 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	8.19 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	6.44 ft³/s	Time to Peak (Flow, Outlet)	12.167 hours
Peak Conditions			
Elevation (Water Surface, Peak)	407.72 ft		
Volume (Peak)	0.101 ac-ft		
Mass Balance (ac-ft)			
Volume (Initial)	0.000 ac-ft		
Volume (Total Inflow)	0.680 ac-ft		
Volume (Total Infiltration)	0.000 ac-ft		
Volume (Total Outlet Outflow)	0.680 ac-ft		
Volume (Retained)	0.000 ac-ft		
Volume (Unrouted)	0.000 ac-ft		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Detention Time

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Infiltration	
Infiltration Method (Computed)	No Infiltration
Approximate Detention Times	
Time to Peak (Outflow + Infiltration, Peak to Peak Detention Time)	12.167 hours
Time to Peak (Inflow, Peak to Peak Detention Time)	12.100 hours
Detention Time (Peak to Peak)	0.067 hours
Time to Centroid (Outflow)	13.782 hours
Time to Centroid (Inflow)	13.479 hours
Detention Time (Centroid to Centroid)	0.303 hours
Weighted Average Plug Time	0.306 hours
Maximum Plug Volume Plug Time	0.179 hours
Maximum Inflow Plug Volume	0.024 ac-ft
Time (Maximum Plug Volume, Start)	12.067 hours
Time (Maximum Plug Volume, End)	12.100 hours

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Infiltration			
Infiltration Method (Computed)		No Infiltration	
Initial Conditions			
Elevation (Water Surface, Initial)	405.00 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	0.033 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	8.75 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	6.92 ft³/s	Time to Peak (Flow, Outlet)	12.167 hours
Peak Conditions			
Elevation (Water Surface, Peak)	407.82 ft		
Volume (Peak)	0.106 ac-ft		
Mass Balance (ac-ft)			
Volume (Initial)	0.000 ac-ft		
Volume (Total Inflow)	0.728 ac-ft		
Volume (Total Infiltration)	0.000 ac-ft		
Volume (Total Outlet Outflow)	0.728 ac-ft		
Volume (Retained)	0.000 ac-ft		
Volume (Unrouted)	0.000 ac-ft		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Peak Discharge	1.81 ft ³ /s
Time to Peak	12.267 hours
Hydrograph Volume	0.261 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.067	0.00	0.00	0.00	0.00	0.00
9.233	0.00	0.00	0.00	0.00	0.01
9.400	0.01	0.01	0.01	0.01	0.01
9.567	0.01	0.01	0.01	0.01	0.01
9.733	0.01	0.02	0.02	0.02	0.02
9.900	0.02	0.02	0.02	0.02	0.02
10.067	0.03	0.03	0.03	0.03	0.03
10.233	0.03	0.03	0.04	0.04	0.04
10.400	0.04	0.04	0.04	0.05	0.05
10.567	0.05	0.05	0.05	0.06	0.06
10.733	0.06	0.06	0.06	0.07	0.07
10.900	0.07	0.07	0.08	0.08	0.08
11.067	0.08	0.08	0.08	0.08	0.08
11.233	0.08	0.08	0.08	0.08	0.08
11.400	0.08	0.09	0.10	0.11	0.13
11.567	0.14	0.16	0.18	0.22	0.28
11.733	0.33	0.40	0.47	0.54	0.65
11.900	0.78	0.89	0.98	1.10	1.31
12.067	1.50	1.55	1.65	1.72	1.77
12.233	1.80	1.81	1.79	1.77	1.74
12.400	1.71	1.68	1.65	1.59	1.55
12.567	1.55	1.49	1.40	1.28	1.18
12.733	1.09	1.03	0.98	0.92	0.85
12.900	0.74	0.66	0.59	0.55	0.52
13.067	0.49	0.46	0.44	0.43	0.41
13.233	0.40	0.38	0.37	0.37	0.36
13.400	0.35	0.34	0.34	0.33	0.33
13.567	0.32	0.32	0.31	0.31	0.31
13.733	0.30	0.30	0.29	0.29	0.29
13.900	0.28	0.28	0.27	0.27	0.27
14.067	0.26	0.26	0.26	0.25	0.25
14.233	0.25	0.25	0.24	0.24	0.24
14.400	0.24	0.23	0.23	0.23	0.23
14.567	0.23	0.23	0.22	0.22	0.22
14.733	0.22	0.22	0.21	0.21	0.21
14.900	0.21	0.21	0.21	0.20	0.20
15.067	0.20	0.20	0.20	0.19	0.19

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.233	0.19	0.19	0.19	0.19	0.18
15.400	0.18	0.18	0.18	0.18	0.18
15.567	0.18	0.17	0.17	0.17	0.17
15.733	0.17	0.17	0.16	0.16	0.16
15.900	0.16	0.16	0.16	0.15	0.15
16.067	0.15	0.15	0.15	0.15	0.14
16.233	0.14	0.14	0.14	0.14	0.14
16.400	0.14	0.14	0.13	0.13	0.13
16.567	0.13	0.13	0.13	0.13	0.13
16.733	0.13	0.13	0.12	0.12	0.12
16.900	0.12	0.12	0.12	0.12	0.12
17.067	0.12	0.12	0.12	0.11	0.11
17.233	0.11	0.11	0.11	0.11	0.11
17.400	0.11	0.11	0.11	0.11	0.11
17.567	0.10	0.10	0.10	0.10	0.10
17.733	0.10	0.10	0.10	0.10	0.10
17.900	0.10	0.10	0.09	0.09	0.09
18.067	0.09	0.09	0.09	0.09	0.09
18.233	0.09	0.09	0.09	0.09	0.09
18.400	0.09	0.09	0.08	0.08	0.08
18.567	0.08	0.08	0.08	0.08	0.08
18.733	0.08	0.08	0.08	0.08	0.08
18.900	0.08	0.08	0.08	0.08	0.08
19.067	0.08	0.08	0.08	0.08	0.08
19.233	0.08	0.08	0.08	0.08	0.08
19.400	0.08	0.08	0.08	0.08	0.08
19.567	0.08	0.08	0.08	0.08	0.08
19.733	0.08	0.08	0.08	0.08	0.08
19.900	0.08	0.08	0.08	0.08	0.08
20.067	0.08	0.08	0.08	0.08	0.08
20.233	0.08	0.08	0.08	0.08	0.08
20.400	0.08	0.08	0.08	0.08	0.08
20.567	0.08	0.08	0.08	0.08	0.08
20.733	0.08	0.08	0.08	0.08	0.08
20.900	0.08	0.08	0.08	0.08	0.08
21.067	0.08	0.08	0.08	0.08	0.08
21.233	0.08	0.08	0.08	0.08	0.08
21.400	0.08	0.08	0.08	0.08	0.08
21.567	0.08	0.08	0.08	0.08	0.07
21.733	0.07	0.07	0.07	0.07	0.07
21.900	0.07	0.07	0.07	0.07	0.06
22.067	0.06	0.06	0.06	0.06	0.06

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.233	0.06	0.06	0.06	0.06	0.06
22.400	0.06	0.06	0.06	0.06	0.06
22.567	0.06	0.06	0.06	0.06	0.06
22.733	0.06	0.06	0.06	0.06	0.06
22.900	0.06	0.05	0.05	0.05	0.05
23.067	0.05	0.05	0.05	0.05	0.05
23.233	0.05	0.05	0.05	0.05	0.05
23.400	0.05	0.05	0.05	0.05	0.05
23.567	0.05	0.05	0.05	0.05	0.05
23.733	0.05	0.05	0.05	0.05	0.05
23.900	0.05	0.05	0.05	0.05	0.05
24.067	0.05	0.04	0.04	0.04	0.03
24.233	0.03	0.03	0.03	0.02	0.02
24.400	0.02	0.02	0.02	0.01	0.01
24.567	0.01	0.01	0.01	0.01	0.01
24.733	0.01	0.01	0.01	0.01	0.01
24.900	0.00	0.00	0.00	0.00	0.00
25.067	0.00	0.00	0.00	0.00	0.00
25.233	0.00	0.00	0.00	0.00	0.00
25.400	0.00	0.00	0.00	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Peak Discharge	3.73 ft ³ /s
Time to Peak	12.200 hours
Hydrograph Volume	0.446 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.700	0.00	0.00	0.00	0.00	0.00
7.867	0.00	0.00	0.00	0.00	0.00
8.033	0.01	0.01	0.01	0.01	0.01
8.200	0.01	0.01	0.01	0.01	0.01
8.367	0.01	0.01	0.01	0.01	0.02
8.533	0.02	0.02	0.02	0.02	0.02
8.700	0.02	0.02	0.02	0.03	0.03
8.867	0.03	0.03	0.03	0.03	0.03
9.033	0.03	0.04	0.04	0.04	0.04
9.200	0.04	0.04	0.05	0.05	0.05
9.367	0.05	0.05	0.05	0.06	0.06
9.533	0.06	0.06	0.06	0.06	0.07
9.700	0.07	0.07	0.07	0.08	0.08
9.867	0.08	0.08	0.08	0.08	0.08
10.033	0.08	0.08	0.08	0.08	0.08
10.200	0.08	0.08	0.08	0.08	0.08
10.367	0.08	0.08	0.08	0.09	0.10
10.533	0.11	0.11	0.12	0.13	0.14
10.700	0.14	0.15	0.16	0.16	0.17
10.867	0.18	0.18	0.19	0.20	0.21
11.033	0.22	0.23	0.24	0.25	0.26
11.200	0.27	0.28	0.29	0.31	0.32
11.367	0.34	0.35	0.37	0.38	0.40
11.533	0.42	0.45	0.48	0.53	0.59
11.700	0.70	0.82	0.91	0.98	1.05
11.867	1.14	1.27	1.43	1.55	1.66
12.033	1.85	1.99	2.11	2.24	3.29
12.200	3.73	3.56	3.29	3.01	2.77
12.367	2.54	2.31	2.27	2.23	2.18
12.533	2.17	2.15	2.05	2.03	2.01
12.700	1.96	1.87	1.85	1.80	1.72
12.867	1.66	1.59	1.55	1.55	1.47
13.033	1.37	1.26	1.16	1.09	1.04
13.200	0.99	0.94	0.89	0.82	0.74
13.367	0.68	0.63	0.60	0.57	0.56
13.533	0.54	0.53	0.52	0.51	0.50
13.700	0.49	0.48	0.48	0.47	0.46

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.867	0.45	0.45	0.44	0.43	0.43
14.033	0.42	0.42	0.41	0.40	0.40
14.200	0.39	0.39	0.39	0.38	0.38
14.367	0.38	0.37	0.37	0.37	0.36
14.533	0.36	0.36	0.35	0.35	0.35
14.700	0.34	0.34	0.34	0.34	0.33
14.867	0.33	0.33	0.32	0.32	0.32
15.033	0.32	0.31	0.31	0.31	0.30
15.200	0.30	0.30	0.30	0.29	0.29
15.367	0.29	0.28	0.28	0.28	0.27
15.533	0.27	0.27	0.27	0.26	0.26
15.700	0.26	0.25	0.25	0.25	0.25
15.867	0.24	0.24	0.24	0.23	0.23
16.033	0.23	0.22	0.22	0.22	0.22
16.200	0.21	0.21	0.21	0.21	0.21
16.367	0.21	0.20	0.20	0.20	0.20
16.533	0.20	0.20	0.19	0.19	0.19
16.700	0.19	0.19	0.19	0.19	0.19
16.867	0.18	0.18	0.18	0.18	0.18
17.033	0.18	0.18	0.18	0.18	0.17
17.200	0.17	0.17	0.17	0.17	0.17
17.367	0.17	0.17	0.17	0.16	0.16
17.533	0.16	0.16	0.16	0.16	0.16
17.700	0.16	0.15	0.15	0.15	0.15
17.867	0.15	0.15	0.15	0.15	0.14
18.033	0.14	0.14	0.14	0.14	0.14
18.200	0.14	0.14	0.14	0.13	0.13
18.367	0.13	0.13	0.13	0.13	0.13
18.533	0.13	0.13	0.13	0.13	0.13
18.700	0.13	0.13	0.13	0.13	0.13
18.867	0.12	0.12	0.12	0.12	0.12
19.033	0.12	0.12	0.12	0.12	0.12
19.200	0.12	0.12	0.12	0.12	0.12
19.367	0.12	0.12	0.12	0.12	0.12
19.533	0.12	0.12	0.12	0.11	0.11
19.700	0.11	0.11	0.11	0.11	0.11
19.867	0.11	0.11	0.11	0.11	0.11
20.033	0.11	0.11	0.11	0.11	0.11
20.200	0.11	0.11	0.11	0.11	0.11
20.367	0.11	0.11	0.11	0.11	0.11
20.533	0.10	0.10	0.10	0.10	0.10
20.700	0.10	0.10	0.10	0.10	0.10

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.867	0.10	0.10	0.10	0.10	0.10
21.033	0.10	0.10	0.10	0.10	0.10
21.200	0.10	0.10	0.10	0.10	0.10
21.367	0.10	0.10	0.10	0.10	0.10
21.533	0.10	0.10	0.10	0.09	0.09
21.700	0.09	0.09	0.09	0.09	0.09
21.867	0.09	0.09	0.09	0.09	0.09
22.033	0.09	0.09	0.09	0.09	0.09
22.200	0.09	0.09	0.09	0.09	0.09
22.367	0.09	0.09	0.09	0.09	0.09
22.533	0.09	0.09	0.09	0.09	0.09
22.700	0.09	0.09	0.08	0.08	0.08
22.867	0.08	0.08	0.08	0.08	0.08
23.033	0.08	0.08	0.08	0.08	0.08
23.200	0.08	0.08	0.08	0.08	0.08
23.367	0.08	0.08	0.08	0.08	0.08
23.533	0.08	0.08	0.08	0.08	0.08
23.700	0.08	0.08	0.08	0.08	0.08
23.867	0.08	0.08	0.08	0.08	0.08
24.033	0.08	0.08	0.08	0.08	0.08
24.200	0.08	0.08	0.08	0.08	0.08
24.367	0.08	0.08	0.07	0.06	0.06
24.533	0.05	0.05	0.04	0.04	0.04
24.700	0.03	0.03	0.03	0.03	0.02
24.867	0.02	0.02	0.02	0.02	0.01
25.033	0.01	0.01	0.01	0.01	0.01
25.200	0.01	0.01	0.01	0.01	0.01
25.367	0.01	0.00	0.00	0.00	0.00
25.533	0.00	0.00	0.00	0.00	0.00
25.700	0.00	0.00	0.00	0.00	0.00
25.867	0.00	0.00	0.00	0.00	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Peak Discharge	5.83 ft ³ /s
Time to Peak	12.167 hours
Hydrograph Volume	0.550 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.100	0.00	0.00	0.00	0.00	0.00
7.267	0.00	0.00	0.00	0.00	0.00
7.433	0.01	0.01	0.01	0.01	0.01
7.600	0.01	0.01	0.01	0.01	0.01
7.767	0.01	0.01	0.01	0.01	0.02
7.933	0.02	0.02	0.02	0.02	0.02
8.100	0.02	0.02	0.02	0.02	0.02
8.267	0.03	0.03	0.03	0.03	0.03
8.433	0.03	0.03	0.03	0.04	0.04
8.600	0.04	0.04	0.04	0.04	0.04
8.767	0.05	0.05	0.05	0.05	0.05
8.933	0.05	0.06	0.06	0.06	0.06
9.100	0.06	0.07	0.07	0.07	0.07
9.267	0.07	0.08	0.08	0.08	0.08
9.433	0.08	0.08	0.08	0.08	0.08
9.600	0.08	0.08	0.08	0.08	0.08
9.767	0.08	0.08	0.08	0.08	0.08
9.933	0.08	0.09	0.10	0.11	0.11
10.100	0.12	0.13	0.13	0.14	0.14
10.267	0.15	0.16	0.16	0.17	0.17
10.433	0.18	0.19	0.20	0.21	0.22
10.600	0.22	0.23	0.24	0.25	0.25
10.767	0.26	0.27	0.27	0.28	0.29
10.933	0.30	0.30	0.31	0.32	0.32
11.100	0.33	0.34	0.35	0.37	0.38
11.267	0.40	0.41	0.43	0.45	0.47
11.433	0.49	0.51	0.53	0.55	0.59
11.600	0.65	0.73	0.82	0.91	0.97
11.767	1.05	1.14	1.27	1.43	1.54
11.933	1.56	1.71	1.86	2.03	2.21
12.100	4.02	5.61	5.83	5.27	4.61
12.267	4.06	3.62	3.33	3.06	2.79
12.433	2.54	2.30	2.26	2.21	2.17
12.600	2.17	2.11	2.03	2.03	2.00
12.767	1.95	1.87	1.85	1.82	1.73
12.933	1.68	1.62	1.56	1.55	1.52
13.100	1.45	1.34	1.25	1.17	1.10

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.267	1.06	1.01	0.97	0.93	0.90
13.433	0.85	0.78	0.73	0.69	0.66
13.600	0.63	0.61	0.60	0.58	0.57
13.767	0.56	0.55	0.55	0.54	0.53
13.933	0.52	0.52	0.51	0.50	0.50
14.100	0.49	0.48	0.48	0.47	0.47
14.267	0.46	0.46	0.45	0.45	0.44
14.433	0.44	0.44	0.43	0.43	0.42
14.600	0.42	0.42	0.41	0.41	0.41
14.767	0.40	0.40	0.40	0.39	0.39
14.933	0.39	0.38	0.38	0.38	0.37
15.100	0.37	0.37	0.36	0.36	0.36
15.267	0.35	0.35	0.34	0.34	0.34
15.433	0.33	0.33	0.33	0.32	0.32
15.600	0.32	0.31	0.31	0.31	0.30
15.767	0.30	0.30	0.29	0.29	0.28
15.933	0.28	0.28	0.27	0.27	0.27
16.100	0.26	0.26	0.26	0.25	0.25
16.267	0.25	0.25	0.25	0.24	0.24
16.433	0.24	0.24	0.24	0.23	0.23
16.600	0.23	0.23	0.23	0.23	0.23
16.767	0.22	0.22	0.22	0.22	0.22
16.933	0.22	0.21	0.21	0.21	0.21
17.100	0.21	0.21	0.20	0.20	0.20
17.267	0.20	0.20	0.20	0.20	0.19
17.433	0.19	0.19	0.19	0.19	0.19
17.600	0.18	0.18	0.18	0.18	0.18
17.767	0.18	0.18	0.18	0.17	0.17
17.933	0.17	0.17	0.17	0.17	0.17
18.100	0.17	0.16	0.16	0.16	0.16
18.267	0.16	0.16	0.16	0.16	0.16
18.433	0.16	0.16	0.15	0.15	0.15
18.600	0.15	0.15	0.15	0.15	0.15
18.767	0.15	0.15	0.15	0.15	0.15
18.933	0.15	0.15	0.15	0.15	0.14
19.100	0.14	0.14	0.14	0.14	0.14
19.267	0.14	0.14	0.14	0.14	0.14
19.433	0.14	0.14	0.14	0.14	0.14
19.600	0.14	0.14	0.14	0.14	0.13
19.767	0.13	0.13	0.13	0.13	0.13
19.933	0.13	0.13	0.13	0.13	0.13
20.100	0.13	0.13	0.13	0.13	0.13

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.267	0.13	0.13	0.13	0.13	0.13
20.433	0.13	0.13	0.12	0.12	0.12
20.600	0.12	0.12	0.12	0.12	0.12
20.767	0.12	0.12	0.12	0.12	0.12
20.933	0.12	0.12	0.12	0.12	0.12
21.100	0.12	0.12	0.12	0.12	0.12
21.267	0.12	0.12	0.12	0.12	0.11
21.433	0.11	0.11	0.11	0.11	0.11
21.600	0.11	0.11	0.11	0.11	0.11
21.767	0.11	0.11	0.11	0.11	0.11
21.933	0.11	0.11	0.11	0.11	0.11
22.100	0.11	0.11	0.11	0.11	0.11
22.267	0.11	0.11	0.10	0.10	0.10
22.433	0.10	0.10	0.10	0.10	0.10
22.600	0.10	0.10	0.10	0.10	0.10
22.767	0.10	0.10	0.10	0.10	0.10
22.933	0.10	0.10	0.10	0.10	0.10
23.100	0.10	0.10	0.10	0.10	0.10
23.267	0.09	0.09	0.09	0.09	0.09
23.433	0.09	0.09	0.09	0.09	0.09
23.600	0.09	0.09	0.09	0.09	0.09
23.767	0.09	0.09	0.09	0.09	0.09
23.933	0.09	0.09	0.09	0.09	0.08
24.100	0.08	0.08	0.08	0.08	0.08
24.267	0.08	0.08	0.08	0.08	0.08
24.433	0.08	0.08	0.07	0.07	0.06
24.600	0.06	0.05	0.05	0.04	0.04
24.767	0.04	0.03	0.03	0.03	0.02
24.933	0.02	0.02	0.02	0.02	0.02
25.100	0.01	0.01	0.01	0.01	0.01
25.267	0.01	0.01	0.01	0.01	0.01
25.433	0.01	0.01	0.00	0.00	0.00
25.600	0.00	0.00	0.00	0.00	0.00
25.767	0.00	0.00	0.00	0.00	0.00
25.933	0.00	0.00	0.00	0.00	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Peak Discharge	6.44 ft ³ /s
Time to Peak	12.167 hours
Hydrograph Volume	0.680 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.433	0.00	0.00	0.00	0.00	0.00
6.600	0.00	0.00	0.00	0.00	0.00
6.767	0.00	0.01	0.01	0.01	0.01
6.933	0.01	0.01	0.01	0.01	0.01
7.100	0.01	0.01	0.01	0.01	0.01
7.267	0.02	0.02	0.02	0.02	0.02
7.433	0.02	0.02	0.02	0.02	0.02
7.600	0.02	0.03	0.03	0.03	0.03
7.767	0.03	0.03	0.03	0.03	0.03
7.933	0.04	0.04	0.04	0.04	0.04
8.100	0.04	0.04	0.04	0.05	0.05
8.267	0.05	0.05	0.05	0.05	0.05
8.433	0.06	0.06	0.06	0.06	0.06
8.600	0.07	0.07	0.07	0.07	0.07
8.767	0.08	0.08	0.08	0.08	0.08
8.933	0.08	0.08	0.08	0.08	0.08
9.100	0.08	0.08	0.08	0.08	0.08
9.267	0.08	0.08	0.08	0.08	0.09
9.433	0.09	0.10	0.11	0.12	0.12
9.600	0.13	0.14	0.14	0.15	0.15
9.767	0.16	0.16	0.17	0.17	0.18
9.933	0.18	0.19	0.20	0.21	0.21
10.100	0.22	0.22	0.23	0.24	0.24
10.267	0.25	0.26	0.26	0.27	0.28
10.433	0.28	0.29	0.30	0.31	0.31
10.600	0.32	0.33	0.33	0.34	0.35
10.767	0.36	0.37	0.37	0.38	0.39
10.933	0.40	0.41	0.42	0.42	0.43
11.100	0.45	0.46	0.47	0.49	0.51
11.267	0.52	0.54	0.57	0.60	0.63
11.433	0.66	0.69	0.72	0.75	0.80
11.600	0.87	0.91	0.97	1.04	1.13
11.767	1.27	1.43	1.54	1.56	1.68
11.933	1.85	1.96	2.13	2.96	5.84
12.100	6.06	6.11	6.44	6.37	5.95
12.267	5.97	6.11	4.62	3.88	3.41
12.433	3.09	2.78	2.45	2.28	2.24

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.600	2.18	2.17	2.17	2.08	2.03
12.767	2.03	2.00	1.96	1.89	1.85
12.933	1.85	1.78	1.71	1.67	1.61
13.100	1.55	1.55	1.53	1.47	1.39
13.267	1.30	1.22	1.16	1.11	1.07
13.433	1.03	1.00	0.97	0.94	0.91
13.600	0.89	0.84	0.79	0.75	0.73
13.767	0.70	0.68	0.66	0.65	0.64
13.933	0.62	0.61	0.60	0.59	0.58
14.100	0.57	0.57	0.56	0.56	0.55
14.267	0.55	0.54	0.54	0.53	0.53
14.433	0.53	0.52	0.52	0.51	0.51
14.600	0.50	0.50	0.50	0.49	0.49
14.767	0.48	0.48	0.47	0.47	0.47
14.933	0.46	0.46	0.45	0.45	0.45
15.100	0.44	0.44	0.43	0.43	0.42
15.267	0.42	0.42	0.41	0.41	0.40
15.433	0.40	0.39	0.39	0.39	0.38
15.600	0.38	0.37	0.37	0.37	0.36
15.767	0.36	0.35	0.35	0.34	0.34
15.933	0.34	0.33	0.33	0.32	0.32
16.100	0.31	0.31	0.31	0.30	0.30
16.267	0.30	0.30	0.29	0.29	0.29
16.433	0.29	0.28	0.28	0.28	0.28
16.600	0.28	0.27	0.27	0.27	0.27
16.767	0.27	0.26	0.26	0.26	0.26
16.933	0.26	0.26	0.25	0.25	0.25
17.100	0.25	0.25	0.24	0.24	0.24
17.267	0.24	0.24	0.23	0.23	0.23
17.433	0.23	0.23	0.23	0.22	0.22
17.600	0.22	0.22	0.22	0.21	0.21
17.767	0.21	0.21	0.21	0.20	0.20
17.933	0.20	0.20	0.20	0.20	0.19
18.100	0.19	0.19	0.19	0.19	0.19
18.267	0.19	0.18	0.18	0.18	0.18
18.433	0.18	0.18	0.18	0.18	0.18
18.600	0.18	0.18	0.18	0.18	0.18
18.767	0.18	0.18	0.18	0.17	0.17
18.933	0.17	0.17	0.17	0.17	0.17
19.100	0.17	0.17	0.17	0.17	0.17
19.267	0.17	0.17	0.17	0.17	0.17
19.433	0.17	0.17	0.16	0.16	0.16

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.600	0.16	0.16	0.16	0.16	0.16
19.767	0.16	0.16	0.16	0.16	0.16
19.933	0.16	0.16	0.16	0.16	0.15
20.100	0.15	0.15	0.15	0.15	0.15
20.267	0.15	0.15	0.15	0.15	0.15
20.433	0.15	0.15	0.15	0.15	0.15
20.600	0.15	0.15	0.15	0.15	0.15
20.767	0.14	0.14	0.14	0.14	0.14
20.933	0.14	0.14	0.14	0.14	0.14
21.100	0.14	0.14	0.14	0.14	0.14
21.267	0.14	0.14	0.14	0.14	0.14
21.433	0.14	0.14	0.14	0.14	0.13
21.600	0.13	0.13	0.13	0.13	0.13
21.767	0.13	0.13	0.13	0.13	0.13
21.933	0.13	0.13	0.13	0.13	0.13
22.100	0.13	0.13	0.13	0.13	0.13
22.267	0.13	0.13	0.12	0.12	0.12
22.433	0.12	0.12	0.12	0.12	0.12
22.600	0.12	0.12	0.12	0.12	0.12
22.767	0.12	0.12	0.12	0.12	0.12
22.933	0.12	0.12	0.12	0.12	0.12
23.100	0.12	0.11	0.11	0.11	0.11
23.267	0.11	0.11	0.11	0.11	0.11
23.433	0.11	0.11	0.11	0.11	0.11
23.600	0.11	0.11	0.11	0.11	0.11
23.767	0.11	0.11	0.11	0.11	0.10
23.933	0.10	0.10	0.10	0.10	0.10
24.100	0.09	0.09	0.08	0.08	0.08
24.267	0.08	0.08	0.08	0.08	0.08
24.433	0.08	0.08	0.08	0.08	0.07
24.600	0.07	0.06	0.05	0.05	0.05
24.767	0.04	0.04	0.03	0.03	0.03
24.933	0.03	0.02	0.02	0.02	0.02
25.100	0.02	0.01	0.01	0.01	0.01
25.267	0.01	0.01	0.01	0.01	0.01
25.433	0.01	0.01	0.01	0.00	0.00
25.600	0.00	0.00	0.00	0.00	0.00
25.767	0.00	0.00	0.00	0.00	0.00
25.933	0.00	0.00	0.00	0.00	0.00
26.100	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Peak Discharge	6.92 ft ³ /s
Time to Peak	12.167 hours
Hydrograph Volume	0.728 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.233	0.00	0.00	0.00	0.00	0.00
6.400	0.00	0.00	0.00	0.00	0.00
6.567	0.01	0.01	0.01	0.01	0.01
6.733	0.01	0.01	0.01	0.01	0.01
6.900	0.01	0.01	0.01	0.01	0.01
7.067	0.02	0.02	0.02	0.02	0.02
7.233	0.02	0.02	0.02	0.02	0.02
7.400	0.03	0.03	0.03	0.03	0.03
7.567	0.03	0.03	0.03	0.03	0.03
7.733	0.04	0.04	0.04	0.04	0.04
7.900	0.04	0.04	0.04	0.05	0.05
8.067	0.05	0.05	0.05	0.05	0.05
8.233	0.06	0.06	0.06	0.06	0.06
8.400	0.07	0.07	0.07	0.07	0.07
8.567	0.08	0.08	0.08	0.08	0.08
8.733	0.08	0.08	0.08	0.08	0.08
8.900	0.08	0.08	0.08	0.08	0.08
9.067	0.08	0.08	0.08	0.08	0.08
9.233	0.09	0.10	0.10	0.11	0.12
9.400	0.12	0.13	0.14	0.14	0.15
9.567	0.15	0.16	0.16	0.17	0.17
9.733	0.18	0.19	0.20	0.20	0.21
9.900	0.22	0.22	0.23	0.23	0.24
10.067	0.24	0.25	0.25	0.26	0.27
10.233	0.27	0.28	0.29	0.29	0.30
10.400	0.31	0.31	0.32	0.33	0.34
10.567	0.34	0.35	0.36	0.37	0.38
10.733	0.39	0.39	0.40	0.41	0.42
10.900	0.43	0.44	0.45	0.46	0.47
11.067	0.48	0.49	0.50	0.52	0.53
11.233	0.55	0.57	0.60	0.63	0.66
11.400	0.69	0.72	0.75	0.79	0.82
11.567	0.88	0.91	0.95	1.02	1.09
11.733	1.21	1.37	1.51	1.55	1.65
11.900	1.78	1.86	2.03	2.19	4.56
12.067	6.57	5.94	6.63	6.92	6.75
12.233	6.51	6.06	5.97	6.07	4.54

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.400	3.76	3.32	2.97	2.61	2.30
12.567	2.26	2.21	2.17	2.17	2.14
12.733	2.06	2.03	2.03	2.00	1.95
12.900	1.89	1.85	1.85	1.78	1.72
13.067	1.67	1.62	1.56	1.55	1.54
13.233	1.48	1.41	1.33	1.25	1.19
13.400	1.13	1.09	1.06	1.03	1.00
13.567	0.97	0.94	0.92	0.89	0.86
13.733	0.81	0.78	0.75	0.72	0.70
13.900	0.68	0.67	0.65	0.64	0.63
14.067	0.62	0.61	0.60	0.59	0.59
14.233	0.58	0.57	0.57	0.57	0.56
14.400	0.56	0.55	0.55	0.55	0.54
14.567	0.54	0.53	0.53	0.52	0.52
14.733	0.52	0.51	0.51	0.50	0.50
14.900	0.49	0.49	0.49	0.48	0.48
15.067	0.47	0.47	0.46	0.46	0.45
15.233	0.45	0.45	0.44	0.44	0.43
15.400	0.43	0.42	0.42	0.41	0.41
15.567	0.40	0.40	0.40	0.39	0.39
15.733	0.38	0.38	0.37	0.37	0.36
15.900	0.36	0.36	0.35	0.35	0.34
16.067	0.34	0.33	0.33	0.33	0.32
16.233	0.32	0.32	0.31	0.31	0.31
16.400	0.31	0.30	0.30	0.30	0.30
16.567	0.29	0.29	0.29	0.29	0.29
16.733	0.28	0.28	0.28	0.28	0.28
16.900	0.27	0.27	0.27	0.27	0.27
17.067	0.26	0.26	0.26	0.26	0.26
17.233	0.25	0.25	0.25	0.25	0.25
17.400	0.24	0.24	0.24	0.24	0.24
17.567	0.23	0.23	0.23	0.23	0.23
17.733	0.22	0.22	0.22	0.22	0.22
17.900	0.21	0.21	0.21	0.21	0.21
18.067	0.20	0.20	0.20	0.20	0.20
18.233	0.20	0.20	0.19	0.19	0.19
18.400	0.19	0.19	0.19	0.19	0.19
18.567	0.19	0.19	0.19	0.19	0.19
18.733	0.19	0.18	0.18	0.18	0.18
18.900	0.18	0.18	0.18	0.18	0.18
19.067	0.18	0.18	0.18	0.18	0.18
19.233	0.18	0.18	0.18	0.18	0.18

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Detention Pond (OUT)

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.400	0.18	0.17	0.17	0.17	0.17
19.567	0.17	0.17	0.17	0.17	0.17
19.733	0.17	0.17	0.17	0.17	0.17
19.900	0.17	0.17	0.17	0.17	0.16
20.067	0.16	0.16	0.16	0.16	0.16
20.233	0.16	0.16	0.16	0.16	0.16
20.400	0.16	0.16	0.16	0.16	0.16
20.567	0.16	0.16	0.16	0.15	0.15
20.733	0.15	0.15	0.15	0.15	0.15
20.900	0.15	0.15	0.15	0.15	0.15
21.067	0.15	0.15	0.15	0.15	0.15
21.233	0.15	0.15	0.15	0.15	0.15
21.400	0.14	0.14	0.14	0.14	0.14
21.567	0.14	0.14	0.14	0.14	0.14
21.733	0.14	0.14	0.14	0.14	0.14
21.900	0.14	0.14	0.14	0.14	0.14
22.067	0.14	0.14	0.13	0.13	0.13
22.233	0.13	0.13	0.13	0.13	0.13
22.400	0.13	0.13	0.13	0.13	0.13
22.567	0.13	0.13	0.13	0.13	0.13
22.733	0.13	0.13	0.13	0.13	0.12
22.900	0.12	0.12	0.12	0.12	0.12
23.067	0.12	0.12	0.12	0.12	0.12
23.233	0.12	0.12	0.12	0.12	0.12
23.400	0.12	0.12	0.12	0.12	0.12
23.567	0.12	0.11	0.11	0.11	0.11
23.733	0.11	0.11	0.11	0.11	0.11
23.900	0.11	0.11	0.11	0.11	0.11
24.067	0.10	0.10	0.09	0.08	0.08
24.233	0.08	0.08	0.08	0.08	0.08
24.400	0.08	0.08	0.08	0.08	0.08
24.567	0.08	0.07	0.06	0.06	0.05
24.733	0.05	0.04	0.04	0.04	0.03
24.900	0.03	0.03	0.02	0.02	0.02
25.067	0.02	0.02	0.02	0.01	0.01
25.233	0.01	0.01	0.01	0.01	0.01
25.400	0.01	0.01	0.01	0.01	0.01
25.567	0.00	0.00	0.00	0.00	0.00
25.733	0.00	0.00	0.00	0.00	0.00
25.900	0.00	0.00	0.00	0.00	0.00
26.067	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years

Storm Event: TypeIII 24hr (4.3 in)

Summary for Hydrograph Addition at 'Detention Pond'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Site

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.020	12.133	0.24
Flow (From)	Site	0.241	12.100	2.95
Flow (In)	Detention Pond	0.261	12.100	3.18

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years

Storm Event: TypeIII 24hr (6.0 in)

Summary for Hydrograph Addition at 'Detention Pond'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Site

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.037	12.100	0.45
Flow (From)	Site	0.409	12.100	4.98
Flow (In)	Detention Pond	0.446	12.100	5.43

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years

Storm Event: TypeIII 24hr (6.9 in)

Summary for Hydrograph Addition at 'Detention Pond'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Site

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.047	12.100	0.58
Flow (From)	Site	0.502	12.100	6.09
Flow (In)	Detention Pond	0.550	12.100	6.67

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years

Storm Event: TypeIII 24hr (8.0 in)

Summary for Hydrograph Addition at 'Detention Pond'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Site

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.060	12.100	0.73
Flow (From)	Site	0.620	12.100	7.46
Flow (In)	Detention Pond	0.680	12.100	8.19

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Detention Pond (IN)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years

Storm Event: TypeIII 24hr (8.4 in)

Summary for Hydrograph Addition at 'Detention Pond'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	Offsite
<Catchment to Outflow Node>	Site

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Offsite	0.065	12.100	0.79
Flow (From)	Site	0.663	12.100	7.96
Flow (In)	Detention Pond	0.728	12.100	8.75

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 2 years

Label: Outlet

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Peak Discharge	1.81 ft ³ /s
Time to Peak	12.267 hours
Hydrograph Volume	0.261 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.067	0.00	0.00	0.00	0.00	0.00
9.233	0.00	0.00	0.00	0.00	0.01
9.400	0.01	0.01	0.01	0.01	0.01
9.567	0.01	0.01	0.01	0.01	0.01
9.733	0.01	0.02	0.02	0.02	0.02
9.900	0.02	0.02	0.02	0.02	0.02
10.067	0.03	0.03	0.03	0.03	0.03
10.233	0.03	0.03	0.04	0.04	0.04
10.400	0.04	0.04	0.04	0.05	0.05
10.567	0.05	0.05	0.05	0.06	0.06
10.733	0.06	0.06	0.06	0.07	0.07
10.900	0.07	0.07	0.08	0.08	0.08
11.067	0.08	0.08	0.08	0.08	0.08
11.233	0.08	0.08	0.08	0.08	0.08
11.400	0.08	0.09	0.10	0.11	0.13
11.567	0.14	0.16	0.18	0.22	0.28
11.733	0.33	0.40	0.47	0.54	0.65
11.900	0.78	0.89	0.98	1.10	1.31
12.067	1.50	1.55	1.65	1.72	1.77
12.233	1.80	1.81	1.79	1.77	1.74
12.400	1.71	1.68	1.65	1.59	1.55
12.567	1.55	1.49	1.40	1.28	1.18
12.733	1.09	1.03	0.98	0.92	0.85
12.900	0.74	0.66	0.59	0.55	0.52
13.067	0.49	0.46	0.44	0.43	0.41
13.233	0.40	0.38	0.37	0.37	0.36
13.400	0.35	0.34	0.34	0.33	0.33
13.567	0.32	0.32	0.31	0.31	0.31
13.733	0.30	0.30	0.29	0.29	0.29
13.900	0.28	0.28	0.27	0.27	0.27
14.067	0.26	0.26	0.26	0.25	0.25
14.233	0.25	0.25	0.24	0.24	0.24
14.400	0.24	0.23	0.23	0.23	0.23
14.567	0.23	0.23	0.22	0.22	0.22
14.733	0.22	0.22	0.21	0.21	0.21
14.900	0.21	0.21	0.21	0.20	0.20
15.067	0.20	0.20	0.20	0.19	0.19

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 2 years

Label: Outlet

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.233	0.19	0.19	0.19	0.19	0.18
15.400	0.18	0.18	0.18	0.18	0.18
15.567	0.18	0.17	0.17	0.17	0.17
15.733	0.17	0.17	0.16	0.16	0.16
15.900	0.16	0.16	0.16	0.15	0.15
16.067	0.15	0.15	0.15	0.15	0.14
16.233	0.14	0.14	0.14	0.14	0.14
16.400	0.14	0.14	0.13	0.13	0.13
16.567	0.13	0.13	0.13	0.13	0.13
16.733	0.13	0.13	0.12	0.12	0.12
16.900	0.12	0.12	0.12	0.12	0.12
17.067	0.12	0.12	0.12	0.11	0.11
17.233	0.11	0.11	0.11	0.11	0.11
17.400	0.11	0.11	0.11	0.11	0.11
17.567	0.10	0.10	0.10	0.10	0.10
17.733	0.10	0.10	0.10	0.10	0.10
17.900	0.10	0.10	0.09	0.09	0.09
18.067	0.09	0.09	0.09	0.09	0.09
18.233	0.09	0.09	0.09	0.09	0.09
18.400	0.09	0.09	0.08	0.08	0.08
18.567	0.08	0.08	0.08	0.08	0.08
18.733	0.08	0.08	0.08	0.08	0.08
18.900	0.08	0.08	0.08	0.08	0.08
19.067	0.08	0.08	0.08	0.08	0.08
19.233	0.08	0.08	0.08	0.08	0.08
19.400	0.08	0.08	0.08	0.08	0.08
19.567	0.08	0.08	0.08	0.08	0.08
19.733	0.08	0.08	0.08	0.08	0.08
19.900	0.08	0.08	0.08	0.08	0.08
20.067	0.08	0.08	0.08	0.08	0.08
20.233	0.08	0.08	0.08	0.08	0.08
20.400	0.08	0.08	0.08	0.08	0.08
20.567	0.08	0.08	0.08	0.08	0.08
20.733	0.08	0.08	0.08	0.08	0.08
20.900	0.08	0.08	0.08	0.08	0.08
21.067	0.08	0.08	0.08	0.08	0.08
21.233	0.08	0.08	0.08	0.08	0.08
21.400	0.08	0.08	0.08	0.08	0.08
21.567	0.08	0.08	0.08	0.08	0.07
21.733	0.07	0.07	0.07	0.07	0.07
21.900	0.07	0.07	0.07	0.07	0.06
22.067	0.06	0.06	0.06	0.06	0.06

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 2 years

Label: Outlet

Storm Event: TypeIII 24hr (4.3 in)

Scenario: Bryant, AR - Synthetic Curve, 2 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.233	0.06	0.06	0.06	0.06	0.06
22.400	0.06	0.06	0.06	0.06	0.06
22.567	0.06	0.06	0.06	0.06	0.06
22.733	0.06	0.06	0.06	0.06	0.06
22.900	0.06	0.05	0.05	0.05	0.05
23.067	0.05	0.05	0.05	0.05	0.05
23.233	0.05	0.05	0.05	0.05	0.05
23.400	0.05	0.05	0.05	0.05	0.05
23.567	0.05	0.05	0.05	0.05	0.05
23.733	0.05	0.05	0.05	0.05	0.05
23.900	0.05	0.05	0.05	0.05	0.05
24.067	0.05	0.04	0.04	0.04	0.03
24.233	0.03	0.03	0.03	0.02	0.02
24.400	0.02	0.02	0.02	0.01	0.01
24.567	0.01	0.01	0.01	0.01	0.01
24.733	0.01	0.01	0.01	0.01	0.01
24.900	0.00	0.00	0.00	0.00	0.00
25.067	0.00	0.00	0.00	0.00	0.00
25.233	0.00	0.00	0.00	0.00	0.00
25.400	0.00	0.00	0.00	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Peak Discharge	3.73 ft ³ /s
Time to Peak	12.200 hours
Hydrograph Volume	0.446 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.700	0.00	0.00	0.00	0.00	0.00
7.867	0.00	0.00	0.00	0.00	0.00
8.033	0.01	0.01	0.01	0.01	0.01
8.200	0.01	0.01	0.01	0.01	0.01
8.367	0.01	0.01	0.01	0.01	0.02
8.533	0.02	0.02	0.02	0.02	0.02
8.700	0.02	0.02	0.02	0.03	0.03
8.867	0.03	0.03	0.03	0.03	0.03
9.033	0.03	0.04	0.04	0.04	0.04
9.200	0.04	0.04	0.05	0.05	0.05
9.367	0.05	0.05	0.05	0.06	0.06
9.533	0.06	0.06	0.06	0.06	0.07
9.700	0.07	0.07	0.07	0.08	0.08
9.867	0.08	0.08	0.08	0.08	0.08
10.033	0.08	0.08	0.08	0.08	0.08
10.200	0.08	0.08	0.08	0.08	0.08
10.367	0.08	0.08	0.08	0.09	0.10
10.533	0.11	0.11	0.12	0.13	0.14
10.700	0.14	0.15	0.16	0.16	0.17
10.867	0.18	0.18	0.19	0.20	0.21
11.033	0.22	0.23	0.24	0.25	0.26
11.200	0.27	0.28	0.29	0.31	0.32
11.367	0.34	0.35	0.37	0.38	0.40
11.533	0.42	0.45	0.48	0.53	0.59
11.700	0.70	0.82	0.91	0.98	1.05
11.867	1.14	1.27	1.43	1.55	1.66
12.033	1.85	1.99	2.11	2.24	3.29
12.200	3.73	3.56	3.29	3.01	2.77
12.367	2.54	2.31	2.27	2.23	2.18
12.533	2.17	2.15	2.05	2.03	2.01
12.700	1.96	1.87	1.85	1.80	1.72
12.867	1.66	1.59	1.55	1.55	1.47
13.033	1.37	1.26	1.16	1.09	1.04
13.200	0.99	0.94	0.89	0.82	0.74
13.367	0.68	0.63	0.60	0.57	0.56
13.533	0.54	0.53	0.52	0.51	0.50
13.700	0.49	0.48	0.48	0.47	0.46

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.867	0.45	0.45	0.44	0.43	0.43
14.033	0.42	0.42	0.41	0.40	0.40
14.200	0.39	0.39	0.39	0.38	0.38
14.367	0.38	0.37	0.37	0.37	0.36
14.533	0.36	0.36	0.35	0.35	0.35
14.700	0.34	0.34	0.34	0.34	0.33
14.867	0.33	0.33	0.32	0.32	0.32
15.033	0.32	0.31	0.31	0.31	0.30
15.200	0.30	0.30	0.30	0.29	0.29
15.367	0.29	0.28	0.28	0.28	0.27
15.533	0.27	0.27	0.27	0.26	0.26
15.700	0.26	0.25	0.25	0.25	0.25
15.867	0.24	0.24	0.24	0.23	0.23
16.033	0.23	0.22	0.22	0.22	0.22
16.200	0.21	0.21	0.21	0.21	0.21
16.367	0.21	0.20	0.20	0.20	0.20
16.533	0.20	0.20	0.19	0.19	0.19
16.700	0.19	0.19	0.19	0.19	0.19
16.867	0.18	0.18	0.18	0.18	0.18
17.033	0.18	0.18	0.18	0.18	0.17
17.200	0.17	0.17	0.17	0.17	0.17
17.367	0.17	0.17	0.17	0.16	0.16
17.533	0.16	0.16	0.16	0.16	0.16
17.700	0.16	0.15	0.15	0.15	0.15
17.867	0.15	0.15	0.15	0.15	0.14
18.033	0.14	0.14	0.14	0.14	0.14
18.200	0.14	0.14	0.14	0.13	0.13
18.367	0.13	0.13	0.13	0.13	0.13
18.533	0.13	0.13	0.13	0.13	0.13
18.700	0.13	0.13	0.13	0.13	0.13
18.867	0.12	0.12	0.12	0.12	0.12
19.033	0.12	0.12	0.12	0.12	0.12
19.200	0.12	0.12	0.12	0.12	0.12
19.367	0.12	0.12	0.12	0.12	0.12
19.533	0.12	0.12	0.12	0.11	0.11
19.700	0.11	0.11	0.11	0.11	0.11
19.867	0.11	0.11	0.11	0.11	0.11
20.033	0.11	0.11	0.11	0.11	0.11
20.200	0.11	0.11	0.11	0.11	0.11
20.367	0.11	0.11	0.11	0.11	0.11
20.533	0.10	0.10	0.10	0.10	0.10
20.700	0.10	0.10	0.10	0.10	0.10

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet

Storm Event: TypeIII 24hr (6.0 in)

Scenario: Bryant, AR - Synthetic Curve, 10 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.867	0.10	0.10	0.10	0.10	0.10
21.033	0.10	0.10	0.10	0.10	0.10
21.200	0.10	0.10	0.10	0.10	0.10
21.367	0.10	0.10	0.10	0.10	0.10
21.533	0.10	0.10	0.10	0.09	0.09
21.700	0.09	0.09	0.09	0.09	0.09
21.867	0.09	0.09	0.09	0.09	0.09
22.033	0.09	0.09	0.09	0.09	0.09
22.200	0.09	0.09	0.09	0.09	0.09
22.367	0.09	0.09	0.09	0.09	0.09
22.533	0.09	0.09	0.09	0.09	0.09
22.700	0.09	0.09	0.08	0.08	0.08
22.867	0.08	0.08	0.08	0.08	0.08
23.033	0.08	0.08	0.08	0.08	0.08
23.200	0.08	0.08	0.08	0.08	0.08
23.367	0.08	0.08	0.08	0.08	0.08
23.533	0.08	0.08	0.08	0.08	0.08
23.700	0.08	0.08	0.08	0.08	0.08
23.867	0.08	0.08	0.08	0.08	0.08
24.033	0.08	0.08	0.08	0.08	0.08
24.200	0.08	0.08	0.08	0.08	0.08
24.367	0.08	0.08	0.07	0.06	0.06
24.533	0.05	0.05	0.04	0.04	0.04
24.700	0.03	0.03	0.03	0.03	0.02
24.867	0.02	0.02	0.02	0.02	0.01
25.033	0.01	0.01	0.01	0.01	0.01
25.200	0.01	0.01	0.01	0.01	0.01
25.367	0.01	0.00	0.00	0.00	0.00
25.533	0.00	0.00	0.00	0.00	0.00
25.700	0.00	0.00	0.00	0.00	0.00
25.867	0.00	0.00	0.00	0.00	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Peak Discharge	5.83 ft ³ /s
Time to Peak	12.167 hours
Hydrograph Volume	0.550 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.100	0.00	0.00	0.00	0.00	0.00
7.267	0.00	0.00	0.00	0.00	0.00
7.433	0.01	0.01	0.01	0.01	0.01
7.600	0.01	0.01	0.01	0.01	0.01
7.767	0.01	0.01	0.01	0.01	0.02
7.933	0.02	0.02	0.02	0.02	0.02
8.100	0.02	0.02	0.02	0.02	0.02
8.267	0.03	0.03	0.03	0.03	0.03
8.433	0.03	0.03	0.03	0.04	0.04
8.600	0.04	0.04	0.04	0.04	0.04
8.767	0.05	0.05	0.05	0.05	0.05
8.933	0.05	0.06	0.06	0.06	0.06
9.100	0.06	0.07	0.07	0.07	0.07
9.267	0.07	0.08	0.08	0.08	0.08
9.433	0.08	0.08	0.08	0.08	0.08
9.600	0.08	0.08	0.08	0.08	0.08
9.767	0.08	0.08	0.08	0.08	0.08
9.933	0.08	0.09	0.10	0.11	0.11
10.100	0.12	0.13	0.13	0.14	0.14
10.267	0.15	0.16	0.16	0.17	0.17
10.433	0.18	0.19	0.20	0.21	0.22
10.600	0.22	0.23	0.24	0.25	0.25
10.767	0.26	0.27	0.27	0.28	0.29
10.933	0.30	0.30	0.31	0.32	0.32
11.100	0.33	0.34	0.35	0.37	0.38
11.267	0.40	0.41	0.43	0.45	0.47
11.433	0.49	0.51	0.53	0.55	0.59
11.600	0.65	0.73	0.82	0.91	0.97
11.767	1.05	1.14	1.27	1.43	1.54
11.933	1.56	1.71	1.86	2.03	2.21
12.100	4.02	5.61	5.83	5.27	4.61
12.267	4.06	3.62	3.33	3.06	2.79
12.433	2.54	2.30	2.26	2.21	2.17
12.600	2.17	2.11	2.03	2.03	2.00
12.767	1.95	1.87	1.85	1.82	1.73
12.933	1.68	1.62	1.56	1.55	1.52
13.100	1.45	1.34	1.25	1.17	1.10

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.267	1.06	1.01	0.97	0.93	0.90
13.433	0.85	0.78	0.73	0.69	0.66
13.600	0.63	0.61	0.60	0.58	0.57
13.767	0.56	0.55	0.55	0.54	0.53
13.933	0.52	0.52	0.51	0.50	0.50
14.100	0.49	0.48	0.48	0.47	0.47
14.267	0.46	0.46	0.45	0.45	0.44
14.433	0.44	0.44	0.43	0.43	0.42
14.600	0.42	0.42	0.41	0.41	0.41
14.767	0.40	0.40	0.40	0.39	0.39
14.933	0.39	0.38	0.38	0.38	0.37
15.100	0.37	0.37	0.36	0.36	0.36
15.267	0.35	0.35	0.34	0.34	0.34
15.433	0.33	0.33	0.33	0.32	0.32
15.600	0.32	0.31	0.31	0.31	0.30
15.767	0.30	0.30	0.29	0.29	0.28
15.933	0.28	0.28	0.27	0.27	0.27
16.100	0.26	0.26	0.26	0.25	0.25
16.267	0.25	0.25	0.25	0.24	0.24
16.433	0.24	0.24	0.24	0.23	0.23
16.600	0.23	0.23	0.23	0.23	0.23
16.767	0.22	0.22	0.22	0.22	0.22
16.933	0.22	0.21	0.21	0.21	0.21
17.100	0.21	0.21	0.20	0.20	0.20
17.267	0.20	0.20	0.20	0.20	0.19
17.433	0.19	0.19	0.19	0.19	0.19
17.600	0.18	0.18	0.18	0.18	0.18
17.767	0.18	0.18	0.18	0.17	0.17
17.933	0.17	0.17	0.17	0.17	0.17
18.100	0.17	0.16	0.16	0.16	0.16
18.267	0.16	0.16	0.16	0.16	0.16
18.433	0.16	0.16	0.15	0.15	0.15
18.600	0.15	0.15	0.15	0.15	0.15
18.767	0.15	0.15	0.15	0.15	0.15
18.933	0.15	0.15	0.15	0.15	0.14
19.100	0.14	0.14	0.14	0.14	0.14
19.267	0.14	0.14	0.14	0.14	0.14
19.433	0.14	0.14	0.14	0.14	0.14
19.600	0.14	0.14	0.14	0.14	0.13
19.767	0.13	0.13	0.13	0.13	0.13
19.933	0.13	0.13	0.13	0.13	0.13
20.100	0.13	0.13	0.13	0.13	0.13

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet

Storm Event: TypeIII 24hr (6.9 in)

Scenario: Bryant, AR - Synthetic Curve, 25 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.267	0.13	0.13	0.13	0.13	0.13
20.433	0.13	0.13	0.12	0.12	0.12
20.600	0.12	0.12	0.12	0.12	0.12
20.767	0.12	0.12	0.12	0.12	0.12
20.933	0.12	0.12	0.12	0.12	0.12
21.100	0.12	0.12	0.12	0.12	0.12
21.267	0.12	0.12	0.12	0.12	0.11
21.433	0.11	0.11	0.11	0.11	0.11
21.600	0.11	0.11	0.11	0.11	0.11
21.767	0.11	0.11	0.11	0.11	0.11
21.933	0.11	0.11	0.11	0.11	0.11
22.100	0.11	0.11	0.11	0.11	0.11
22.267	0.11	0.11	0.10	0.10	0.10
22.433	0.10	0.10	0.10	0.10	0.10
22.600	0.10	0.10	0.10	0.10	0.10
22.767	0.10	0.10	0.10	0.10	0.10
22.933	0.10	0.10	0.10	0.10	0.10
23.100	0.10	0.10	0.10	0.10	0.10
23.267	0.09	0.09	0.09	0.09	0.09
23.433	0.09	0.09	0.09	0.09	0.09
23.600	0.09	0.09	0.09	0.09	0.09
23.767	0.09	0.09	0.09	0.09	0.09
23.933	0.09	0.09	0.09	0.09	0.08
24.100	0.08	0.08	0.08	0.08	0.08
24.267	0.08	0.08	0.08	0.08	0.08
24.433	0.08	0.08	0.07	0.07	0.06
24.600	0.06	0.05	0.05	0.04	0.04
24.767	0.04	0.03	0.03	0.03	0.02
24.933	0.02	0.02	0.02	0.02	0.02
25.100	0.01	0.01	0.01	0.01	0.01
25.267	0.01	0.01	0.01	0.01	0.01
25.433	0.01	0.01	0.00	0.00	0.00
25.600	0.00	0.00	0.00	0.00	0.00
25.767	0.00	0.00	0.00	0.00	0.00
25.933	0.00	0.00	0.00	0.00	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Peak Discharge	6.44 ft ³ /s
Time to Peak	12.167 hours
Hydrograph Volume	0.680 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.433	0.00	0.00	0.00	0.00	0.00
6.600	0.00	0.00	0.00	0.00	0.00
6.767	0.00	0.01	0.01	0.01	0.01
6.933	0.01	0.01	0.01	0.01	0.01
7.100	0.01	0.01	0.01	0.01	0.01
7.267	0.02	0.02	0.02	0.02	0.02
7.433	0.02	0.02	0.02	0.02	0.02
7.600	0.02	0.03	0.03	0.03	0.03
7.767	0.03	0.03	0.03	0.03	0.03
7.933	0.04	0.04	0.04	0.04	0.04
8.100	0.04	0.04	0.04	0.05	0.05
8.267	0.05	0.05	0.05	0.05	0.05
8.433	0.06	0.06	0.06	0.06	0.06
8.600	0.07	0.07	0.07	0.07	0.07
8.767	0.08	0.08	0.08	0.08	0.08
8.933	0.08	0.08	0.08	0.08	0.08
9.100	0.08	0.08	0.08	0.08	0.08
9.267	0.08	0.08	0.08	0.08	0.09
9.433	0.09	0.10	0.11	0.12	0.12
9.600	0.13	0.14	0.14	0.15	0.15
9.767	0.16	0.16	0.17	0.17	0.18
9.933	0.18	0.19	0.20	0.21	0.21
10.100	0.22	0.22	0.23	0.24	0.24
10.267	0.25	0.26	0.26	0.27	0.28
10.433	0.28	0.29	0.30	0.31	0.31
10.600	0.32	0.33	0.33	0.34	0.35
10.767	0.36	0.37	0.37	0.38	0.39
10.933	0.40	0.41	0.42	0.42	0.43
11.100	0.45	0.46	0.47	0.49	0.51
11.267	0.52	0.54	0.57	0.60	0.63
11.433	0.66	0.69	0.72	0.75	0.80
11.600	0.87	0.91	0.97	1.04	1.13
11.767	1.27	1.43	1.54	1.56	1.68
11.933	1.85	1.96	2.13	2.96	5.84
12.100	6.06	6.11	6.44	6.37	5.95
12.267	5.97	6.11	4.62	3.88	3.41
12.433	3.09	2.78	2.45	2.28	2.24

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.600	2.18	2.17	2.17	2.08	2.03
12.767	2.03	2.00	1.96	1.89	1.85
12.933	1.85	1.78	1.71	1.67	1.61
13.100	1.55	1.55	1.53	1.47	1.39
13.267	1.30	1.22	1.16	1.11	1.07
13.433	1.03	1.00	0.97	0.94	0.91
13.600	0.89	0.84	0.79	0.75	0.73
13.767	0.70	0.68	0.66	0.65	0.64
13.933	0.62	0.61	0.60	0.59	0.58
14.100	0.57	0.57	0.56	0.56	0.55
14.267	0.55	0.54	0.54	0.53	0.53
14.433	0.53	0.52	0.52	0.51	0.51
14.600	0.50	0.50	0.50	0.49	0.49
14.767	0.48	0.48	0.47	0.47	0.47
14.933	0.46	0.46	0.45	0.45	0.45
15.100	0.44	0.44	0.43	0.43	0.42
15.267	0.42	0.42	0.41	0.41	0.40
15.433	0.40	0.39	0.39	0.39	0.38
15.600	0.38	0.37	0.37	0.37	0.36
15.767	0.36	0.35	0.35	0.34	0.34
15.933	0.34	0.33	0.33	0.32	0.32
16.100	0.31	0.31	0.31	0.30	0.30
16.267	0.30	0.30	0.29	0.29	0.29
16.433	0.29	0.28	0.28	0.28	0.28
16.600	0.28	0.27	0.27	0.27	0.27
16.767	0.27	0.26	0.26	0.26	0.26
16.933	0.26	0.26	0.25	0.25	0.25
17.100	0.25	0.25	0.24	0.24	0.24
17.267	0.24	0.24	0.23	0.23	0.23
17.433	0.23	0.23	0.23	0.22	0.22
17.600	0.22	0.22	0.22	0.21	0.21
17.767	0.21	0.21	0.21	0.20	0.20
17.933	0.20	0.20	0.20	0.20	0.19
18.100	0.19	0.19	0.19	0.19	0.19
18.267	0.19	0.18	0.18	0.18	0.18
18.433	0.18	0.18	0.18	0.18	0.18
18.600	0.18	0.18	0.18	0.18	0.18
18.767	0.18	0.18	0.18	0.17	0.17
18.933	0.17	0.17	0.17	0.17	0.17
19.100	0.17	0.17	0.17	0.17	0.17
19.267	0.17	0.17	0.17	0.17	0.17
19.433	0.17	0.17	0.16	0.16	0.16

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet

Storm Event: TypeIII 24hr (8.0 in)

Scenario: Bryant, AR - Synthetic Curve, 50 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.600	0.16	0.16	0.16	0.16	0.16
19.767	0.16	0.16	0.16	0.16	0.16
19.933	0.16	0.16	0.16	0.16	0.15
20.100	0.15	0.15	0.15	0.15	0.15
20.267	0.15	0.15	0.15	0.15	0.15
20.433	0.15	0.15	0.15	0.15	0.15
20.600	0.15	0.15	0.15	0.15	0.15
20.767	0.14	0.14	0.14	0.14	0.14
20.933	0.14	0.14	0.14	0.14	0.14
21.100	0.14	0.14	0.14	0.14	0.14
21.267	0.14	0.14	0.14	0.14	0.14
21.433	0.14	0.14	0.14	0.14	0.13
21.600	0.13	0.13	0.13	0.13	0.13
21.767	0.13	0.13	0.13	0.13	0.13
21.933	0.13	0.13	0.13	0.13	0.13
22.100	0.13	0.13	0.13	0.13	0.13
22.267	0.13	0.13	0.12	0.12	0.12
22.433	0.12	0.12	0.12	0.12	0.12
22.600	0.12	0.12	0.12	0.12	0.12
22.767	0.12	0.12	0.12	0.12	0.12
22.933	0.12	0.12	0.12	0.12	0.12
23.100	0.12	0.11	0.11	0.11	0.11
23.267	0.11	0.11	0.11	0.11	0.11
23.433	0.11	0.11	0.11	0.11	0.11
23.600	0.11	0.11	0.11	0.11	0.11
23.767	0.11	0.11	0.11	0.11	0.10
23.933	0.10	0.10	0.10	0.10	0.10
24.100	0.09	0.09	0.08	0.08	0.08
24.267	0.08	0.08	0.08	0.08	0.08
24.433	0.08	0.08	0.08	0.08	0.07
24.600	0.07	0.06	0.05	0.05	0.05
24.767	0.04	0.04	0.03	0.03	0.03
24.933	0.03	0.02	0.02	0.02	0.02
25.100	0.02	0.01	0.01	0.01	0.01
25.267	0.01	0.01	0.01	0.01	0.01
25.433	0.01	0.01	0.01	0.00	0.00
25.600	0.00	0.00	0.00	0.00	0.00
25.767	0.00	0.00	0.00	0.00	0.00
25.933	0.00	0.00	0.00	0.00	0.00
26.100	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Peak Discharge	6.92 ft ³ /s
Time to Peak	12.167 hours
Hydrograph Volume	0.728 ac-ft

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.233	0.00	0.00	0.00	0.00	0.00
6.400	0.00	0.00	0.00	0.00	0.00
6.567	0.01	0.01	0.01	0.01	0.01
6.733	0.01	0.01	0.01	0.01	0.01
6.900	0.01	0.01	0.01	0.01	0.01
7.067	0.02	0.02	0.02	0.02	0.02
7.233	0.02	0.02	0.02	0.02	0.02
7.400	0.03	0.03	0.03	0.03	0.03
7.567	0.03	0.03	0.03	0.03	0.03
7.733	0.04	0.04	0.04	0.04	0.04
7.900	0.04	0.04	0.04	0.05	0.05
8.067	0.05	0.05	0.05	0.05	0.05
8.233	0.06	0.06	0.06	0.06	0.06
8.400	0.07	0.07	0.07	0.07	0.07
8.567	0.08	0.08	0.08	0.08	0.08
8.733	0.08	0.08	0.08	0.08	0.08
8.900	0.08	0.08	0.08	0.08	0.08
9.067	0.08	0.08	0.08	0.08	0.08
9.233	0.09	0.10	0.10	0.11	0.12
9.400	0.12	0.13	0.14	0.14	0.15
9.567	0.15	0.16	0.16	0.17	0.17
9.733	0.18	0.19	0.20	0.20	0.21
9.900	0.22	0.22	0.23	0.23	0.24
10.067	0.24	0.25	0.25	0.26	0.27
10.233	0.27	0.28	0.29	0.29	0.30
10.400	0.31	0.31	0.32	0.33	0.34
10.567	0.34	0.35	0.36	0.37	0.38
10.733	0.39	0.39	0.40	0.41	0.42
10.900	0.43	0.44	0.45	0.46	0.47
11.067	0.48	0.49	0.50	0.52	0.53
11.233	0.55	0.57	0.60	0.63	0.66
11.400	0.69	0.72	0.75	0.79	0.82
11.567	0.88	0.91	0.95	1.02	1.09
11.733	1.21	1.37	1.51	1.55	1.65
11.900	1.78	1.86	2.03	2.19	4.56
12.067	6.57	5.94	6.63	6.92	6.75
12.233	6.51	6.06	5.97	6.07	4.54

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.400	3.76	3.32	2.97	2.61	2.30
12.567	2.26	2.21	2.17	2.17	2.14
12.733	2.06	2.03	2.03	2.00	1.95
12.900	1.89	1.85	1.85	1.78	1.72
13.067	1.67	1.62	1.56	1.55	1.54
13.233	1.48	1.41	1.33	1.25	1.19
13.400	1.13	1.09	1.06	1.03	1.00
13.567	0.97	0.94	0.92	0.89	0.86
13.733	0.81	0.78	0.75	0.72	0.70
13.900	0.68	0.67	0.65	0.64	0.63
14.067	0.62	0.61	0.60	0.59	0.59
14.233	0.58	0.57	0.57	0.57	0.56
14.400	0.56	0.55	0.55	0.55	0.54
14.567	0.54	0.53	0.53	0.52	0.52
14.733	0.52	0.51	0.51	0.50	0.50
14.900	0.49	0.49	0.49	0.48	0.48
15.067	0.47	0.47	0.46	0.46	0.45
15.233	0.45	0.45	0.44	0.44	0.43
15.400	0.43	0.42	0.42	0.41	0.41
15.567	0.40	0.40	0.40	0.39	0.39
15.733	0.38	0.38	0.37	0.37	0.36
15.900	0.36	0.36	0.35	0.35	0.34
16.067	0.34	0.33	0.33	0.33	0.32
16.233	0.32	0.32	0.31	0.31	0.31
16.400	0.31	0.30	0.30	0.30	0.30
16.567	0.29	0.29	0.29	0.29	0.29
16.733	0.28	0.28	0.28	0.28	0.28
16.900	0.27	0.27	0.27	0.27	0.27
17.067	0.26	0.26	0.26	0.26	0.26
17.233	0.25	0.25	0.25	0.25	0.25
17.400	0.24	0.24	0.24	0.24	0.24
17.567	0.23	0.23	0.23	0.23	0.23
17.733	0.22	0.22	0.22	0.22	0.22
17.900	0.21	0.21	0.21	0.21	0.21
18.067	0.20	0.20	0.20	0.20	0.20
18.233	0.20	0.20	0.19	0.19	0.19
18.400	0.19	0.19	0.19	0.19	0.19
18.567	0.19	0.19	0.19	0.19	0.19
18.733	0.19	0.18	0.18	0.18	0.18
18.900	0.18	0.18	0.18	0.18	0.18
19.067	0.18	0.18	0.18	0.18	0.18
19.233	0.18	0.18	0.18	0.18	0.18

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet

Storm Event: TypeIII 24hr (8.4 in)

Scenario: Bryant, AR - Synthetic Curve, 100 yrs

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.033 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.400	0.18	0.17	0.17	0.17	0.17
19.567	0.17	0.17	0.17	0.17	0.17
19.733	0.17	0.17	0.17	0.17	0.17
19.900	0.17	0.17	0.17	0.17	0.16
20.067	0.16	0.16	0.16	0.16	0.16
20.233	0.16	0.16	0.16	0.16	0.16
20.400	0.16	0.16	0.16	0.16	0.16
20.567	0.16	0.16	0.16	0.15	0.15
20.733	0.15	0.15	0.15	0.15	0.15
20.900	0.15	0.15	0.15	0.15	0.15
21.067	0.15	0.15	0.15	0.15	0.15
21.233	0.15	0.15	0.15	0.15	0.15
21.400	0.14	0.14	0.14	0.14	0.14
21.567	0.14	0.14	0.14	0.14	0.14
21.733	0.14	0.14	0.14	0.14	0.14
21.900	0.14	0.14	0.14	0.14	0.14
22.067	0.14	0.14	0.13	0.13	0.13
22.233	0.13	0.13	0.13	0.13	0.13
22.400	0.13	0.13	0.13	0.13	0.13
22.567	0.13	0.13	0.13	0.13	0.13
22.733	0.13	0.13	0.13	0.13	0.12
22.900	0.12	0.12	0.12	0.12	0.12
23.067	0.12	0.12	0.12	0.12	0.12
23.233	0.12	0.12	0.12	0.12	0.12
23.400	0.12	0.12	0.12	0.12	0.12
23.567	0.12	0.11	0.11	0.11	0.11
23.733	0.11	0.11	0.11	0.11	0.11
23.900	0.11	0.11	0.11	0.11	0.11
24.067	0.10	0.10	0.09	0.08	0.08
24.233	0.08	0.08	0.08	0.08	0.08
24.400	0.08	0.08	0.08	0.08	0.08
24.567	0.08	0.07	0.06	0.06	0.05
24.733	0.05	0.04	0.04	0.04	0.03
24.900	0.03	0.03	0.02	0.02	0.02
25.067	0.02	0.02	0.02	0.01	0.01
25.233	0.01	0.01	0.01	0.01	0.01
25.400	0.01	0.01	0.01	0.01	0.01
25.567	0.00	0.00	0.00	0.00	0.00
25.733	0.00	0.00	0.00	0.00	0.00
25.900	0.00	0.00	0.00	0.00	0.00
26.067	0.00	0.00	(N/A)	(N/A)	(N/A)

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Post-Development Conditions

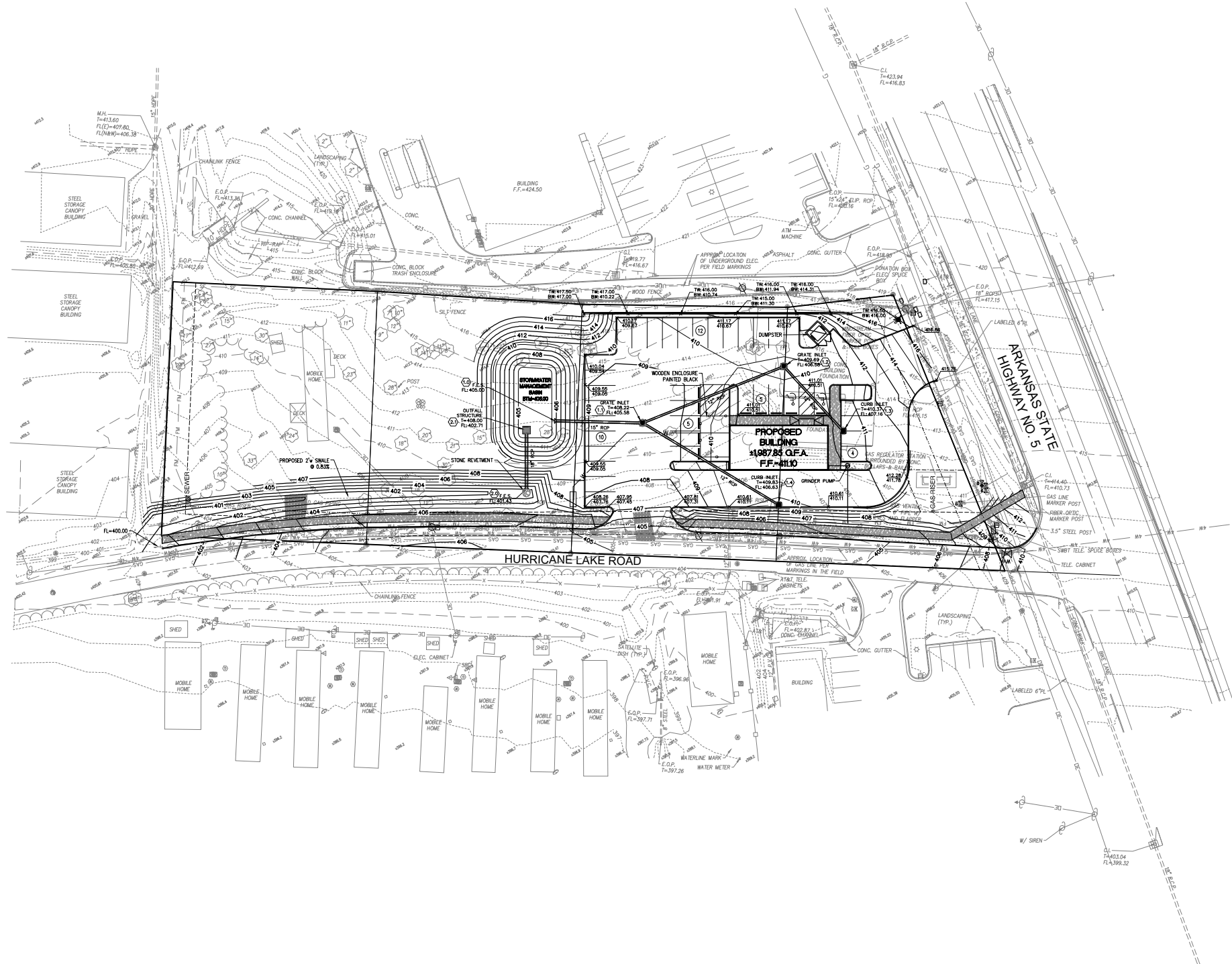
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**APPENDIX G:
SITE GRADING PLAN
(PLAN SHEET C5.0)**



SITE IMPROVEMENT PLANS FOR:
GOOD DAY FARM - BRYANT

3205 HIGHWAY 5 N.
BRYANT, ARKANSAS 72019

PREPARED BY:
STOCK & ASSOCIATES
Consulting Engineers, Inc.
257 Chestnutfield Business Parkway
Bryant, Arkansas 72019
P: 501-201-1000 F: 501-201-1001
E: gerald@stockinc.com
Web: www.stockinc.com

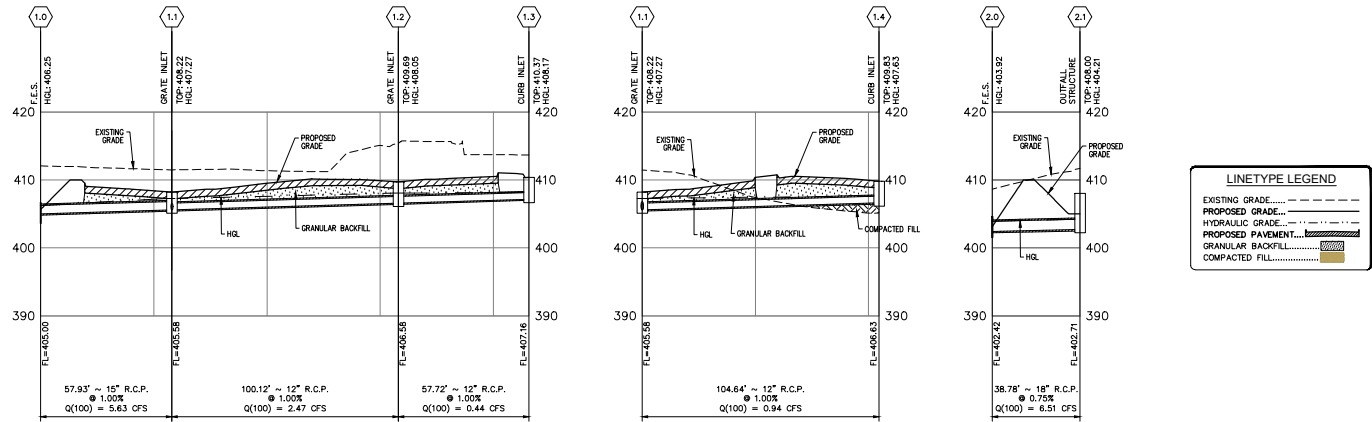
05/21/25
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:

DRAWN BY:	CHECKED BY:
L.C.M.	G.M.S.
DATE:	JOB NO:
05-14-2025	2025-7775
W.S.D. #	BASE MAP #
S.L.C. HAT #	HAT S.D.P. #
W.D.A. #	
SHEET TITLE:	
SITE GRADING PLAN	
SHEET NO.:	

C5.0

**APPENDIX H:
SEWER PROFILES
(PLAN SHEET C8.0)**



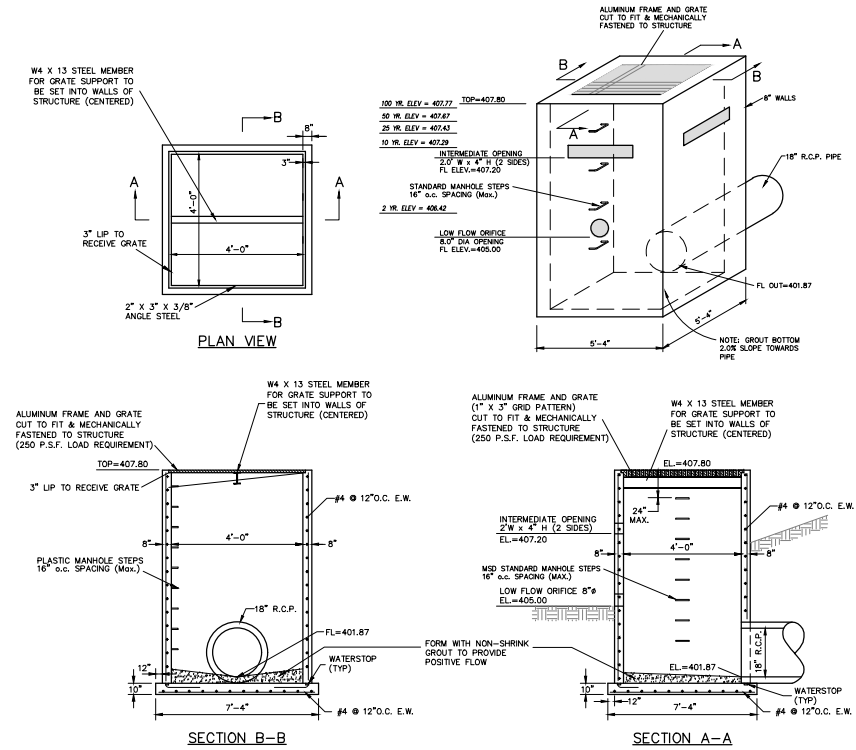
STORM SEWER PROFILES

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

Project name: GDF - BRYANT				Calculated By: J.C.H.				100-year Pipe Hydraulics																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Structure Number				Upper structure				Lower structure				Length (ft)				Flowline Grade #/ft				Pipe Size (in.)				Full Flow Cap. (cfs)				Total Q (cfs)				Mean Full Flow Vel (ft/s) (ft/s)				Bend Coef				Curve Coef				Velocity Head (ft)				Q/V (ft/s)				Pipe Coef (ft)				H (ft)				Junction (ft)				Bend (ft)				Curve (ft)				Total H=				Upper F.L. - Drop				Lower HE -H				Lower HE -H				Structure Elevation				Free Board				Structure Number				Remarks				Velocity Minimum Formula (ft/s)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
21				21				20				402.71				402.42				28.78				0.0075				18				9.12				6.51				3.68				0.00				0.00				0.21				1.37				0.012				0.15				0.00				0.00				404.21				404.07				402.02				404.21				408.00				3.79				2.1				Outfall Structure				516																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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100-YEAR PIPE HYDRAULICS

OUTFALL STRUCTURE NOTES:
1) CONTROL STRUCTURE TO BE REINFORCED CONCRETE: WALL THICKNESS IS 8" w/ TWO (2) ROWS OF #4 STEEL.
2) OUTFALL STRUCTURE SHALL BE PRE-CAST OR CAST-IN-PLACE.
3) CONTRACTOR SHALL PROVIDE A HIGH LEVEL OF CARE WHEN PLACING & COMPACTING "CLAY" SOILS AROUND OUTFALL STRUCTURE & PIPING. THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM THE "LEVEL OF PLACEMENT".
4) ENGINEER APPROVED SHOP DRAWINGS MUST BE SUBMITTED TO MSD FOR REVIEW PRIOR TO THE CONSTRUCTION OF THIS STRUCTURE. MSD CONTACT: BRIAN DUNN (314) 788-6387.



OUTFALL STRUCTURE #21
(N.T.S.)

UTILITY CONFLICT NOTE:
CONTRACTOR SHALL NOTIFY THIS ENGINEER IMMEDIATELY OF ANY POTENTIAL UNDERGROUND UTILITY CONFLICT AT TIME OF EXCAVATION.

ALL DETAILS SHOWN ON THESE PLANS ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE DETAILS ARE TO BE VERIFIED PER BRYANT'S STANDARD CONSTRUCTION SPECIFICATIONS. ALL METHODS, MEANS AND MATERIALS SHALL CONFORM TO BRYANT'S CURRENT STANDARD CONSTRUCTION SPECIFICATIONS.

GOOD DAY FARM - BRYANT

3205 HIGHWAY 5 N.
BRYANT, ARKANSAS 72019

05/21/25
GEORGE M. STOKK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000096

REVISIONS:

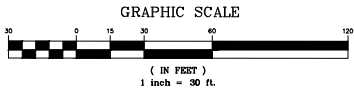
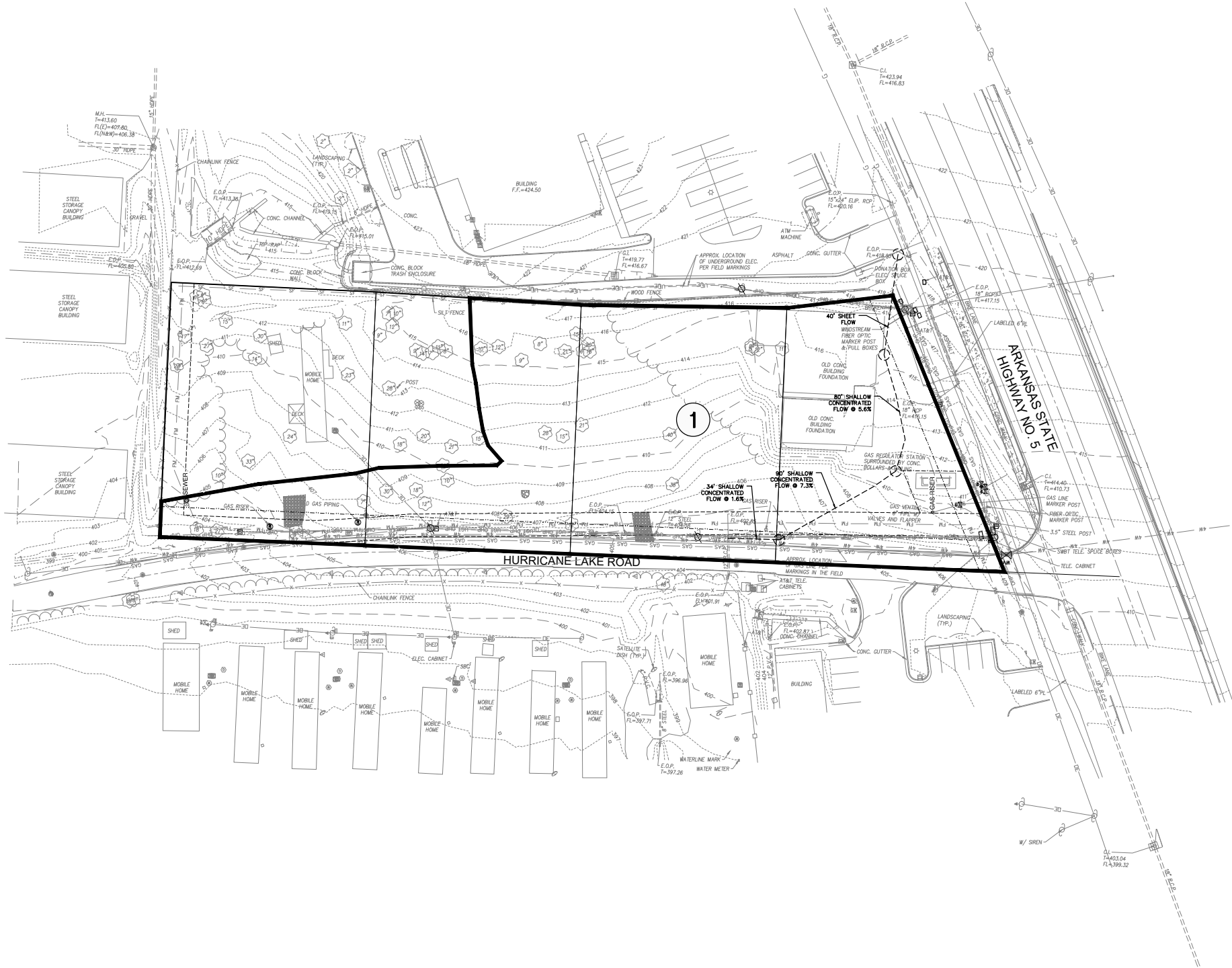
DRAWN BY: L.C.H. CHECKED BY: G.M.S.
DATE: 05-14-2025 JOB NO: 2025-7775
W.S.D. # BASE MAP #
S.L.C. HAT # HAT S.D.P. #
W.D.A.R. #
SHEET TITLE:
SHEET NO.: 8.0

**APPENDIX I:
DRAINAGE AREA MAPS
(PLAN SHEET C10.0 & C10.1)**

STORMWATER DIFFERENTIAL RUNOFF			
PRE-DEVELOPED			
	ACRES	C ₁	TOTAL Q(100)
GRASS	1.20	5.10	6.40
PAVEMENT	0.15	9.50	1.40
TOTAL Q(100) =			7.81
POST-DEVELOPED			
	ACRES	C ₁	TOTAL Q(100)
GRASS	0.61	5.10	3.09
PAVEMENT	0.90	9.50	7.96
TOTAL Q(100) =			10.67
DIFFERENTIAL = POST - PRE =			2.86

TABLE 1		
Allowable Peak Discharge		
Pre-Developed Conditions		
Design Storm (Year)	Pre-Development Runoff (c.f.s.)*	Volume (ac-ft)
2	2.53	0.210
10	4.61	0.377
25	5.77	0.472
50	7.22	0.593
100	7.75	0.637

* = Includes offsite drainage onto subject property



GOOD DAY FARM - BRYANT

SITE IMPROVEMENT PLANS FOR:

3205 HIGHWAY 5 N.
BRYANT, ARKANSAS 72019

05/21/25
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000096

REVISIONS:

DRAWN BY:	C.E.M.	CHECKED BY:	C.E.M.
DATE:	05-14-2025	DATE:	05-14-2025
W.S.D. #		W.S.D. #	
S.L.C. HAT #		S.L.C. HAT #	
W.D.A. #		W.D.A. #	
SHEET TITLE:			
EXISTING DRAINAGE AREA MAP			
SHEET NO. C10.0			

GOOD DAY FARM - BRYANT

STORMWATER RUNOFF CALCULATIONS

2024-7775

Q=QIA

Q=PEAK FLOW, C=RUNOFF COEFF.,

I=RAINFALL INTENSITY, A=DRAINAGE AREA

I=10 IN/HR

C (IMPERVIOUS)=0.95*

C (PERVIOUS)=0.51*

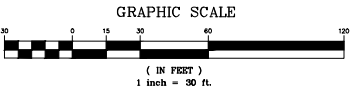
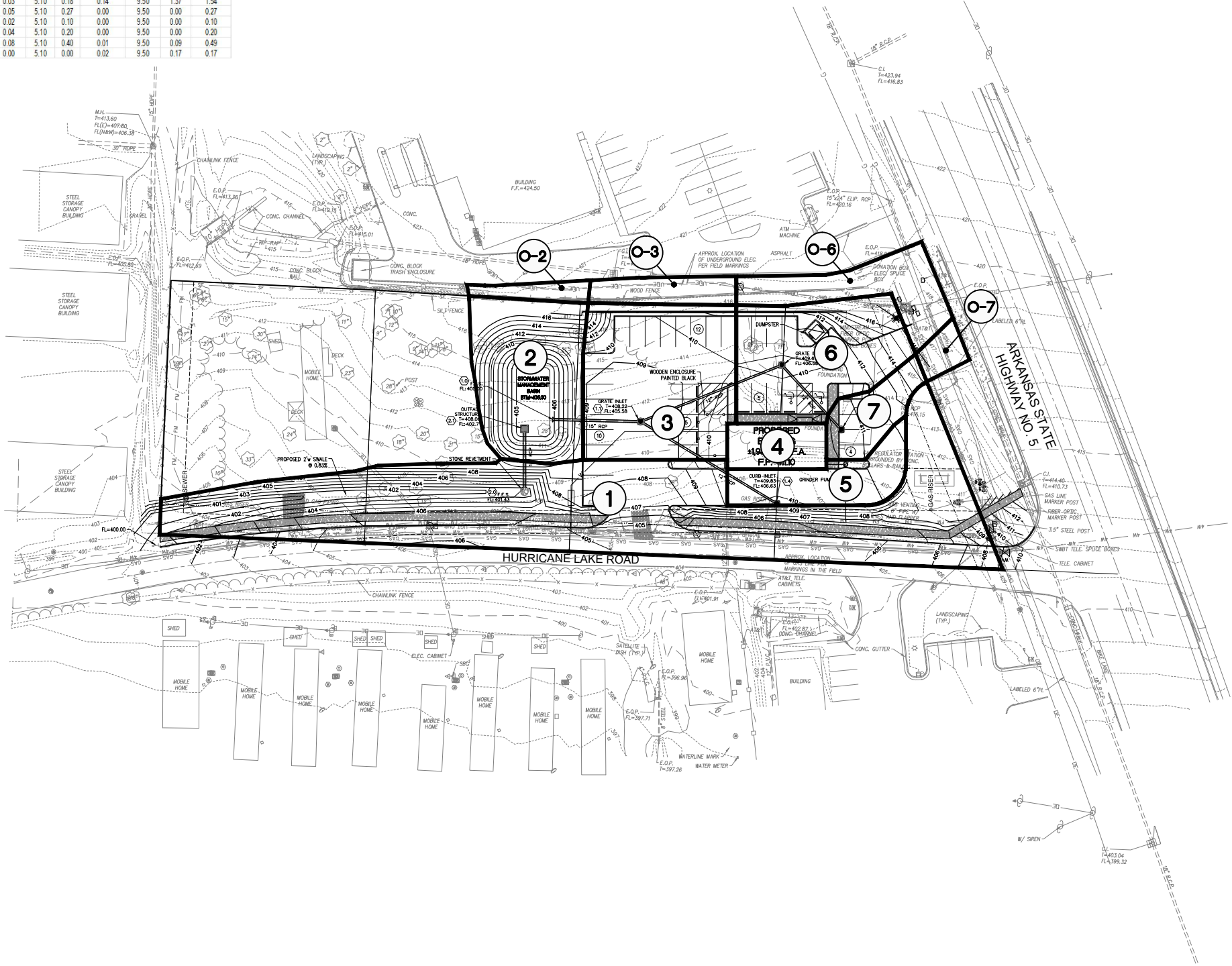
*FROM TABLE 400-1

POST-DEVELOPMENT RUNOFF

SUBAREA	AREA (SQ FT)		TOTAL AREA		PERVIOUS	C1	Q	IMPERVIOUS	C1	Q	Q
	PERVIOUS	IMPERVIOUS	SQ FT	AC							
1	15,088	12,945	28,033	0.64	0.35	5.10	1.77	0.30	9.50	2.82	4.59
2	7,501	0	7,501	0.17	0.17	5.10	0.88	0.00	9.50	0.00	0.88
3	0	10,160	10,160	0.23	0.00	5.10	0.00	0.23	9.50	2.22	2.22
4	0	1,960	1,960	0.04	0.00	5.10	0.00	0.04	9.50	0.43	0.43
5	0	3,415	3,415	0.08	0.00	5.10	0.00	0.08	9.50	0.74	0.74
6	1,500	6,268	7,768	0.18	0.03	5.10	0.18	0.14	9.50	1.37	1.54
7	2,292	0	2,292	0.05	0.05	5.10	0.27	0.00	9.50	0.00	0.27
O2	854	0	854	0.02	0.02	5.10	0.10	0.00	9.50	0.00	0.10
O3	1,689	0	1,689	0.04	0.04	5.10	0.20	0.00	9.50	0.00	0.20
O6	3,424	400	3,824	0.09	0.08	5.10	0.40	0.01	9.50	0.09	0.49
O7	0	779	779	0.02	0.00	5.10	0.00	0.02	9.50	0.17	0.17

TABLE 2			
Peak Discharge - Post-Developed Conditions			
Design Storm (Year)	Allowable Discharge (cfs)	Post-Developed Discharge (cfs)	
2	2.59	1.81	
10	4.61	3.73	
25	5.77	5.83	
50	7.22	6.44	
100	7.75	6.92	

Stormwater Detention Summary			
Design Storm (Year)	Basin Discharge (cfs)	Basin WSEL (feet)	Basin Freeboard (feet)
2	1.81	406.46	3.54
10	3.73	407.31	2.69
25	5.83	407.44	2.56
50	6.44	407.72	2.28
100	6.92	407.82	2.18



257 Chestnutfield Business Parkway
Bryant, AR 72019
P: 501-200-1000
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Stock & Associates
Consulting Engineers, Inc.

SITE IMPROVEMENT PLANS FOR:

GOOD DAY FARM - BRYANT

3205 HIGHWAY 5 N.
BRYANT, ARKANSAS 72019

05/21/25

GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

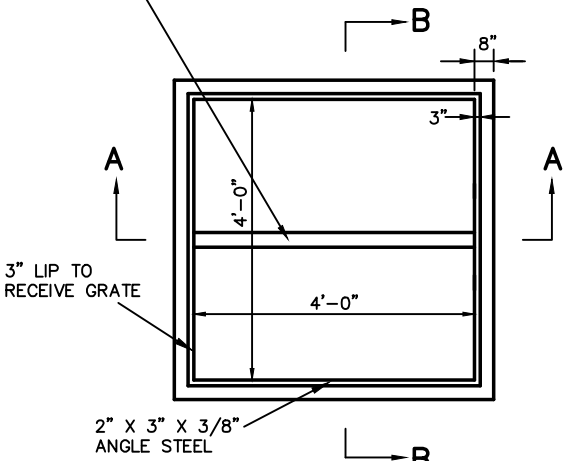
REVISIONS:

DRAWN BY: L.C.W.	CHECKED BY: G.M.S.
DATE: 05-14-2025	JOB NO: 2025-7775
W.S.D. #	BASE MAP #
S.L.C. HAT #	HAT S.D.P. #
W.D.A. #	
SHEET TITLE: PROPOSED DRAINAGE AREA MAP	
SHEET NO.: C10.1	

**APPENDIX J:
OUTFALL STRUCTURE
DETAIL**

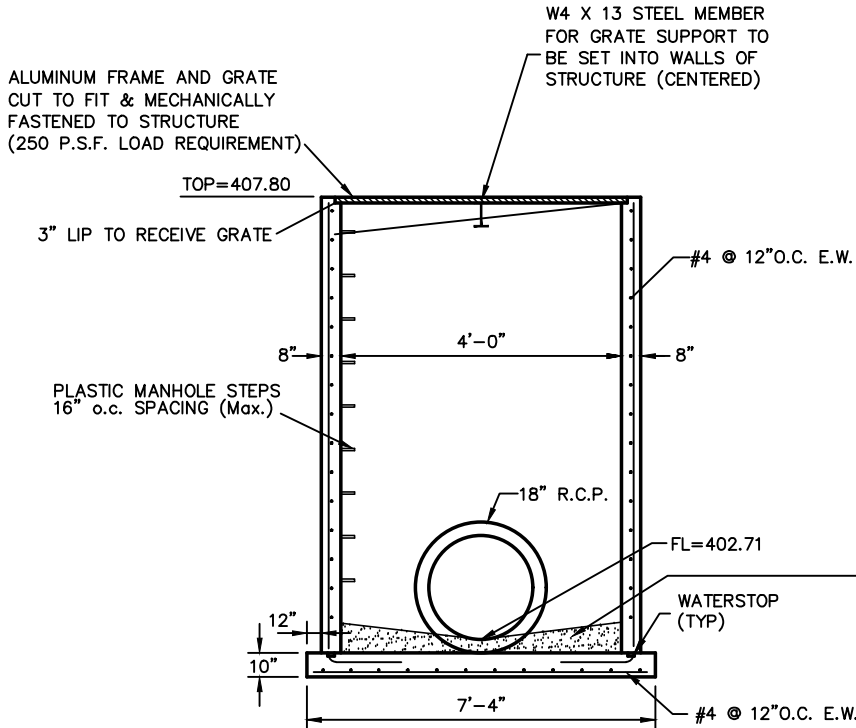
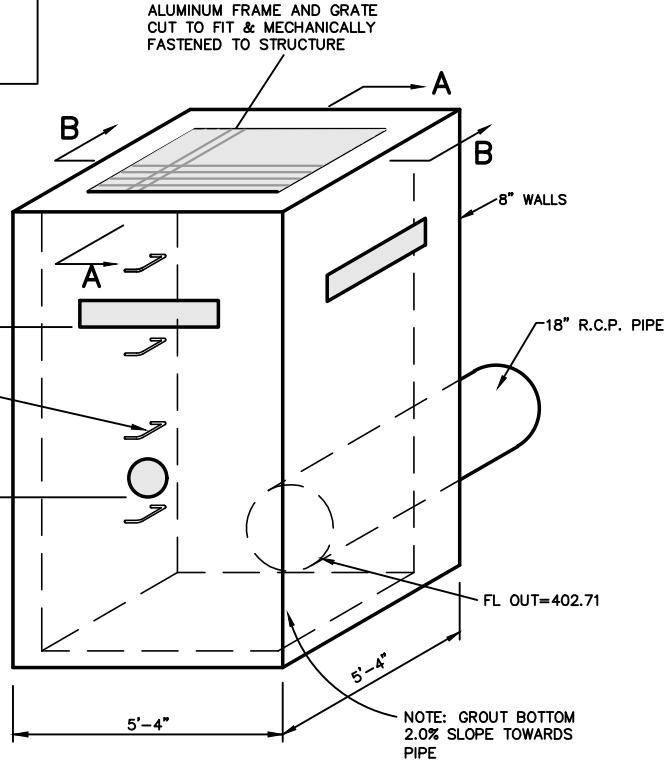
- OUTFALL STRUCTURE NOTES:**
- 1) CONTROL STRUCTURE TO BE REINFORCED CONCRETE: WALL THICKNESS IS 8" w/ TWO (2) ROWS OF #4 STEEL.
 - 2) OUTFALL STRUCTURE SHALL BE PRE-CAST OR CAST-IN-PLACE.
 - 3) CONTRACTOR SHALL PROVIDE A HIGH LEVEL OF CARE WHEN PLACING & COMPACTING "CLAY" SOILS AROUND OUTFALL STRUCTURE & PIPING. THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM THE "LEVEL OF PLACEMENT"
 - 4) ENGINEER APPROVED SHOP DRAWINGS MUST BE SUBMITTED TO MSD FOR REVIEW PRIOR TO THE CONSTRUCTION OF THIS STRUCTURE. MSD CONTACT: BRIAN DUNN (314) 768-6387.

W4 X 13 STEEL MEMBER FOR GRATE SUPPORT TO BE SET INTO WALLS OF STRUCTURE (CENTERED)

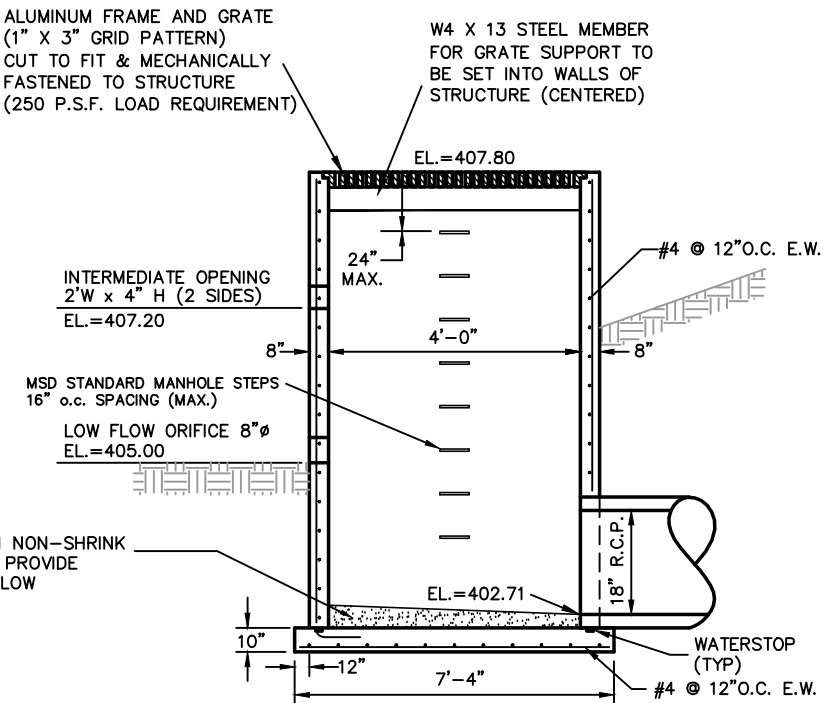


PLAN VIEW

100 YR. ELEV = 407.82	TOP=407.82
50 YR. ELEV = 407.72	
25 YR. ELEV = 407.44	
10 YR. ELEV = 407.31	
INTERMEDIATE OPENING	
2.0' W x 4" H (2 SIDES)	
FL ELEV.=407.20	
STANDARD MANHOLE STEPS	
16" o.c. SPACING (Max.)	
2 YR. ELEV = 406.46	
LOW FLOW ORIFICE	
8.0" DIA OPENING	
FL ELEV.=405.00	



SECTION B-B



SECTION A-A

OUTFALL STRUCTURE #2.1
(N.T.S.)