STORMWATER MANAGEMENT FACILITIES REPORT: CALCULATIONS

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

Prepared For:

Good Day Farm
425 W. Capitol Avenue
Little Rock, AR 72201
Contact: Ms. Regan Etheridge
Ph. (501) 551-0502

Prepared By:

Stock & Associates Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, Missouri 63005
Ph. 636-530-9100
Fax 636-530-9130
Contact: Mr. Timothy (Ty) Gramling, P.E.

Date: 06/25/2025

STOCK JOB #: 2025-7775

Report prepared by:

Ty Gramling
Ty Gramling, P.E.
Civil Engineer

Under the direct supervision of:

06-25-2025
George M. Stock, P.E.
Civil Engineer
License No. 9185
Certificate of Authority #4355

TABLE OF CONTENTS

I. Executive Summary

II. Introduction
- A. Evaluation of Existing Conditions
- B. Evaluation of Proposed Conditions

III. Storm Sewer Hydraulics, Open Channel Flow & Detention Design
- A. Storm Sewer Hydraulics
- B. Open Channel Flow
- C. Detention Design

IV. Summary

V. Appendices
- Appendix A – USDA Natural Resources Conservations Service Soil Map
- Appendix B – FEMA FIRMette
- Appendix C – Storm Sewer Hydraulic Calculations
- Appendix D – Open Channel Calculations
- Appendix E – Runoff & Storage Calculations – Pre-Developed Conditions
- Appendix F – Runoff & Storage Calculations – Post-Developed Conditions
- Appendix G – Site Grading Plan (Plan Sheet C5.0)
- Appendix H – Sewer Profiles (Plan Sheet C8.0)
- Appendix I – Drainage Area Maps (Plan Sheet C10.0 and C10.1)
- Appendix J – Outfall Structure Detail

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 ±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± 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 ±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

Design Storm (Year)	***Pre- Development Runoff (c.f.s.)***
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

Design Storm (Year)	*Pre-Developed Discharge (cfs)*	*Post-Developed Discharge (cfs)*
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

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

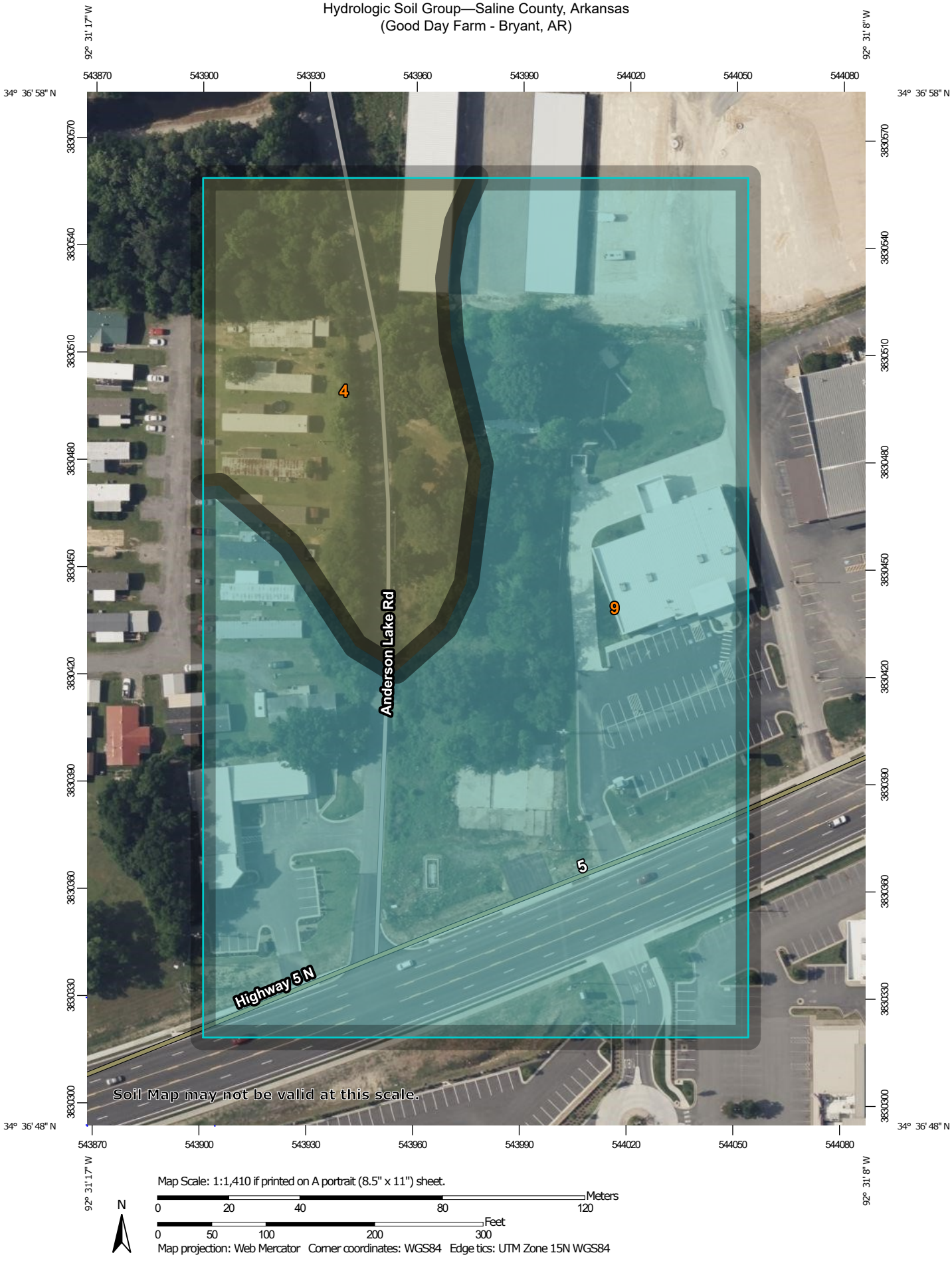
IV. SUMMARY

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)



Map Scale: 1:1,410 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 20 40 80 120

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

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

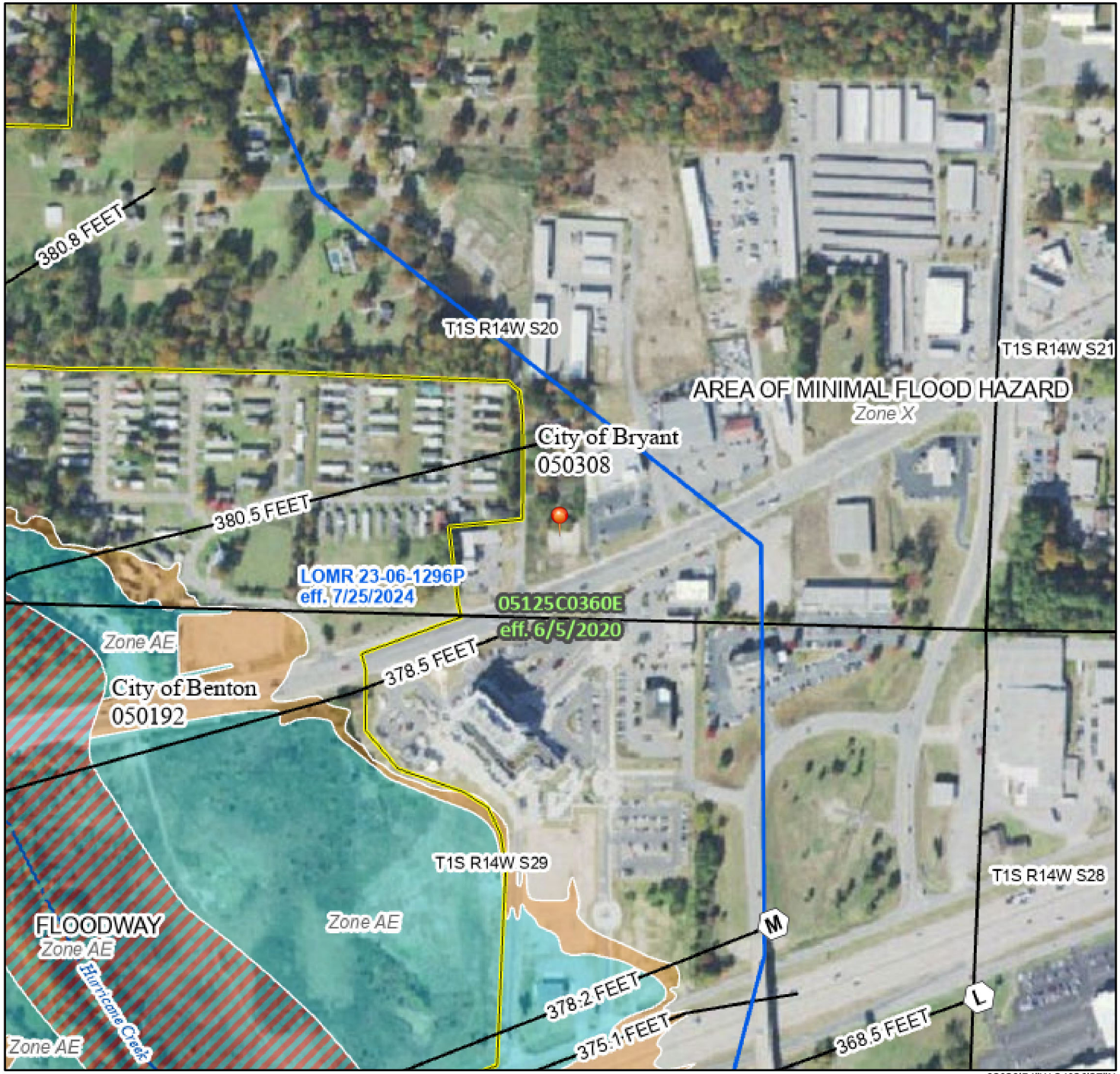
Tie-break Rule: Higher

APPENDIX B:
FEMA FIRMETTE

National Flood Hazard Layer FIRMette

FEMA

92°31'32"W 34°37'7"N



92°30'54"W 34°36'37"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

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
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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*		5^0 = 0.06	20^0 = 0.24	35^0 = 0.4	50^0 = 0.50	65^0 = 0.57	80^0 = 0.65																	
	LINE		**FLOW LINE ELEVATIONS**						10^0 = 0.11	25^0 = 0.30	40^0 = 0.43	55^0 = 0.52	70^0 = 0.60	85^0 = 0.67			**HEAD LOSS**					**Hydraulic Elevations**									
									15^0 = 0.18	30^0 = 0.35	45^0 = 0.47	60^0 = 0.55	75^0 = 0.62	90^0 = 0.70											**Structure**	**Top/Sill**	**Free**			**Velocity**
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_h) (ft)**	**QV_h (ft^4/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.**	**Upper H.E. + H_{mt}**	**Structure Elevation**	**Board**	**Structure Number**	**Remarks**	**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: $V = Q_{ACT}./A_{PIPE}$

FRICTION LOSS (H_f) : $Hf = 2.87\ n^2\ (LV^2/d^{1.33})$

VELOCITY HEAD : $V_h = V^2/2g$

JUNCTION LOSES (JUNC.) = [$Q_{out}Vh_{out}$ - Sum ($Q_{in}V_{in}$)]x1.33/[Q_{out}]

BEND LOSES (BEND) = (V^h) * ANGLE COEFFICIENT

CURVE LOSS=V_h*CURVE COEFFICIENT

Note:

1. IF MORE THAN ONE INCOMING LINE, CALC. EACH BEND LOSS AND ADD TOGETHER.
2. NO STRUCTURE LOSES TO BE CALCULATED AT A DROP
3. IF $QV_{h(in)} > QV_{h(out)}$, NO JUNCTION LOSES TO BE CALCULATED.

Note(s):

APPENDIX D:
OPEN CHANNEL
CALCULATIONS

Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Jun 25 2025

Ditch Section A-A

Trapezoidal

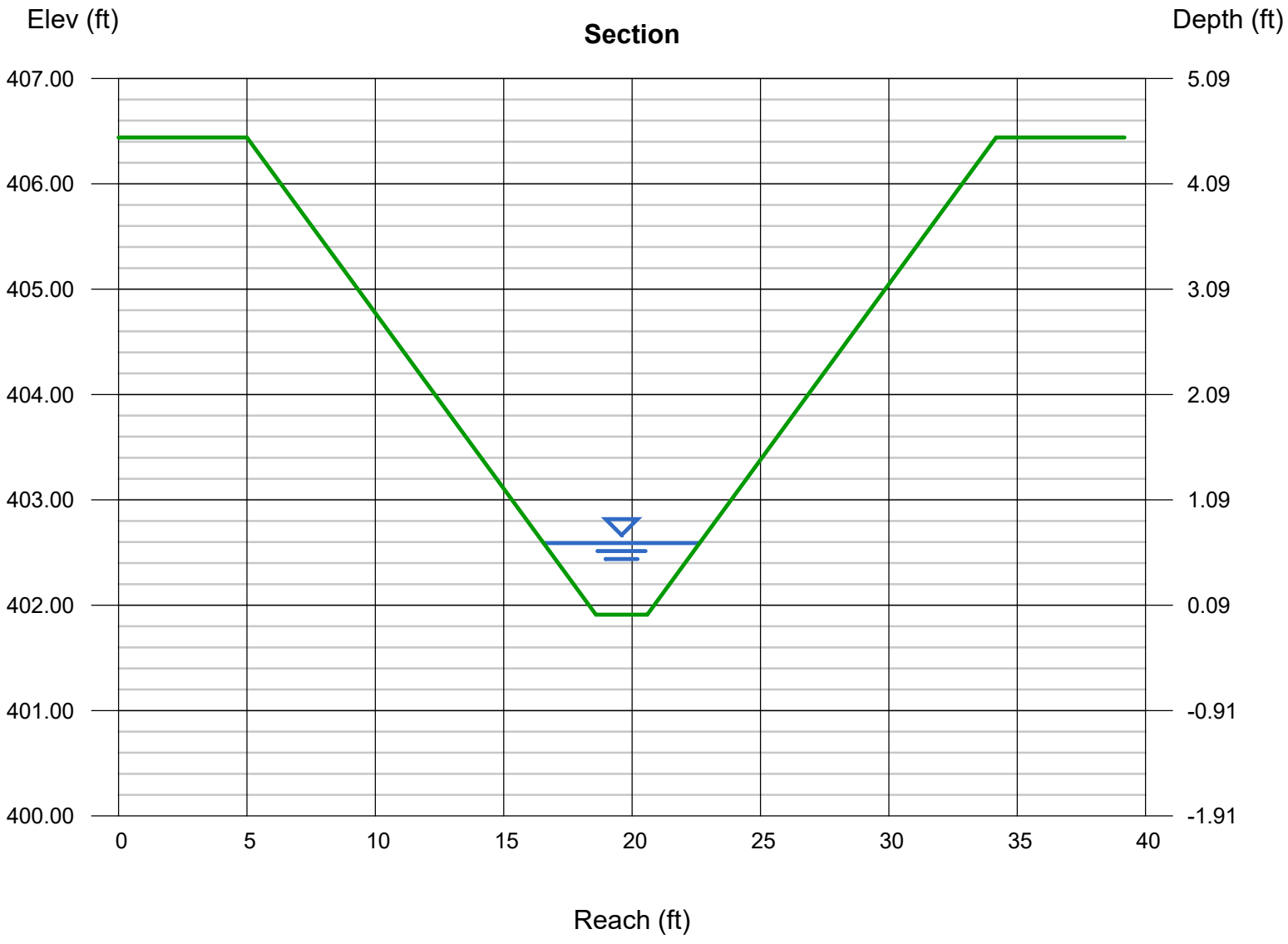
Bottom Width (ft)	= 2.00
Side Slopes (z:1)	= 3.00, 3.00
Total Depth (ft)	= 4.53
Invert Elev (ft)	= 401.91
Slope (%)	= 0.83
N-Value	= 0.018

Calculations

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

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



Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Jun 25 2025

Ditch Section B-B

Trapezoidal

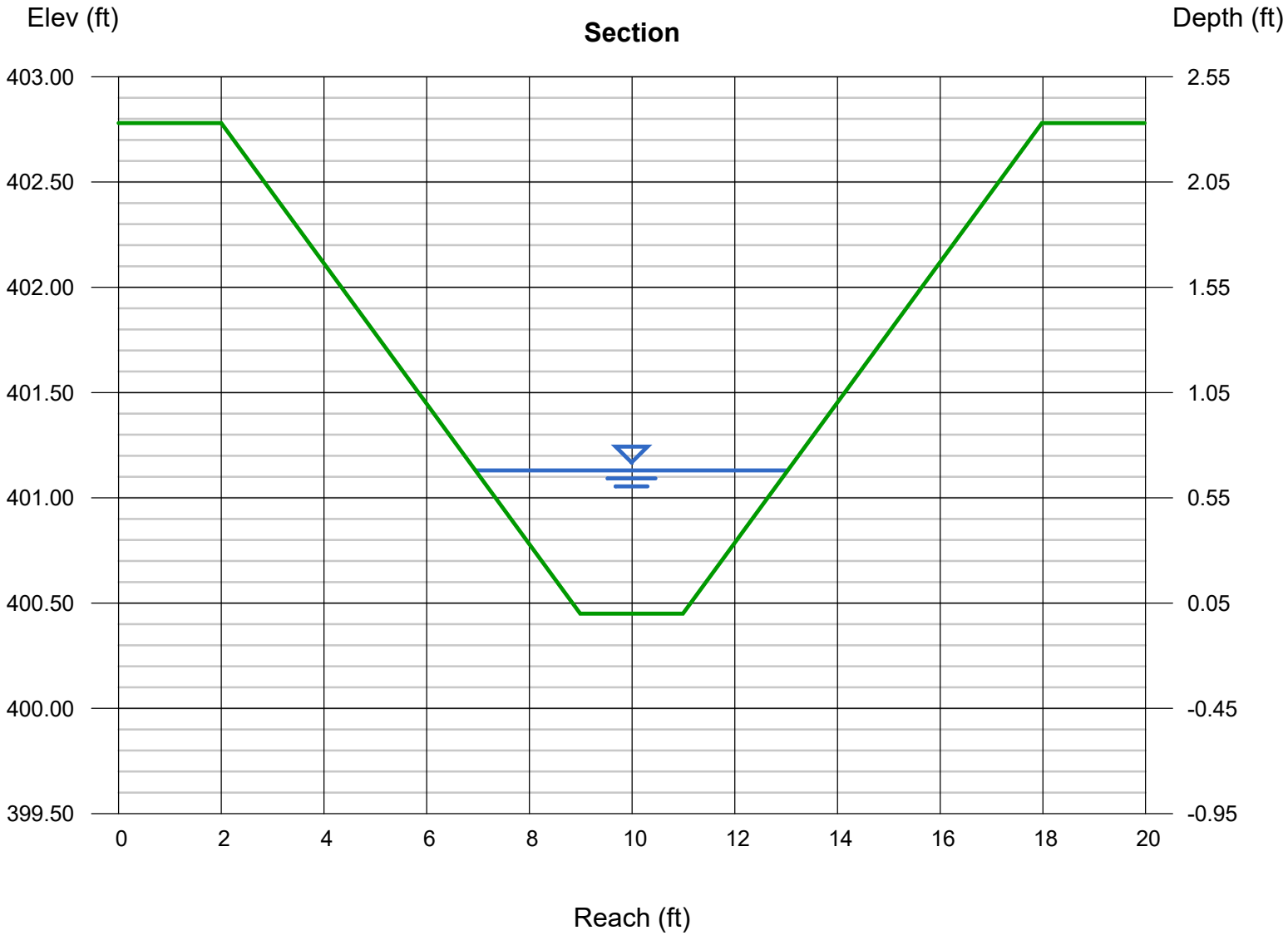
Bottom Width (ft)	= 2.00
Side Slopes (z:1)	= 3.00, 3.00
Total Depth (ft)	= 2.33
Invert Elev (ft)	= 400.45
Slope (%)	= 0.83
N-Value	= 0.018

Calculations

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

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



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

Table of Contents

User Notifications 2

Master Network Summary 3

Bryant Arkansas

Time-Depth Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 5

Time-Depth Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 7

Time-Depth Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 9

Time-Depth Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 11

Time-Depth Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 13

Offsite

Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 15

Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 18

Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 21

Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 24

Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 27

Pre-Developed

Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 30

Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 33

Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 36

Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 39

Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 42

Offsite

Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 45

Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 46

Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 47

Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 48

Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 49

Pre-Developed

Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 50

Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 51

Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 52

Table of Contents

Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 53
Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 54

Unit Hydrograph Equations 55

Offsite

Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 57
Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 59
Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 62
Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 64
Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 67
Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 69
Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 72
Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 74
Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 77
Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 79

Pre-Developed

Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 82
Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 84
Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 87
Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 89
Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 92
Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 94
Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 97
Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 99
Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 102
Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 104

Point of Interest

Addition Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 107
Addition Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 108

Table of Contents

Addition Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 109
Addition Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 110
Addition Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 111

Pre-Development Conditions

Subsection: User Notifications

User Notifications?	No user notifications generated.

Pre-Development Conditions

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft³/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 (ft³/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
Label: Bryant Arkansas
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
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)

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
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)

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
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)

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
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

Pre-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)

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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.104 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.104 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.104 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.104 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.104 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

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

Tc =	R = Qa / Wp V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n (Lf / V) / 3600
Where:	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

Tc =	Unpaved surface: V = 16.1345 * (Sf**0.5) Paved Surface: V = 20.3282 * (Sf**0.5) (Lf / V) / 3600
Where:	V= Velocity, ft/sec Sf= Slope, ft/ft Tc= Time of concentration, hours Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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

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 0.1333Tc, rtm, and th (Smallest dt is then adjusted to match up with Tp)
UDdt	User specified override computational main time increment (only used if UDdt is => .1333Tc)
D(t)	Point on distribution curve (fraction of P) for time step t
K	2 / (1 + (Tr/Tp)): default K = 0.75: (for Tr/Tp = 1.67)
Ks	Hydrograph shape factor = Unit Conversions * K: = ((1hr/3600sec) * (1ft/12in) * ((5280ft)**2/sq.mi)) * K Default Ks = 645.333 * 0.75 = 484
Lag	Lag time from center of excess runoff (dt) to Tp: Lag = 0.6Tc
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 1hr, for 1 sq.mi. = (Ks * A * Q) / Tp (where Q = 1in. runoff, A=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: Tb = Tp + Tr
Tp	Time (hrs) to peak of a unit hydrograph: Tp = (dt/2) + Lag
Tr	Time (hrs) of receding limb of unit hydrograph: Tr = ratio of Tp

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)	Pi(t) = Pa(t) - Pa(t-1): Col.(4) - Preceding Col.(4)
Column (4)	Pa(t) = D(t) x 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 (Pa(t) is <= 0.2Sp) then use: Rap(t) = 0.0
	If (Pa(t) is > 0.2Sp) then use:
	
	Rap(t) = (Col.(4)-0.2Sp)**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.

Incremental Weighted Runoff

Column (9)	R(t) = (Ap/At) x Rip(t) + (Ai/At) x Rii(t) R(t) = (Ap/At) x Col.(6) + (Ai/At) x Col.(8)

SCS Unit Hydrograph Method

Column (10)	Q(t) is computed with the SCS unit hydrograph method using R(t) and Qu(t).

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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.133 hours
Flow (Peak Interpolated Output)	0.23 ft³/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 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.45 ft³/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 ft³/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: 10 years
Label: Offsite 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)	0.104 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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.57 ft³/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
Return Event: 25 years
Label: Offsite
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	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: 25 years
Label: Offsite 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)	0.104 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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.73 ft³/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 ft³/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: 50 years
Label: Offsite 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)	0.104 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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
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)	0.104 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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.79 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Pre-Developed
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)	1.361 acres

Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	2.33 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	2.30 ft³/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
Label: Pre-Developed
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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) 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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	4.16 ft³/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) Return Event: 10 years
Label: Pre-Developed 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)	1.361 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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	5.19 ft³/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) Return Event: 25 years
Label: Pre-Developed 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)	1.361 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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	6.49 ft³/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 ft³/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: 50 years
Label: Pre-Developed 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)	1.361 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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Pre-Developed
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)	1.361 acres

Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	6.99 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	6.96 ft³/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
Label: Pre-Developed
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	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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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

Index

B

Bryant Arkansas (Time-Depth Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...7, 8
Bryant Arkansas (Time-Depth Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...13, 14
Bryant Arkansas (Time-Depth Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...5, 6
Bryant Arkansas (Time-Depth Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...9, 10
Bryant Arkansas (Time-Depth Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...11, 12

M

Master Network Summary...3, 4

O

Offsite (Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...46

Offsite (Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...49

Offsite (Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...45

Offsite (Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...47

Offsite (Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...48

Offsite (Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...18, 19, 20
Offsite (Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...27, 28, 29
Offsite (Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...15, 16, 17
Offsite (Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...21, 22, 23
Offsite (Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...24, 25, 26
Offsite (Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...64, 65, 66
Offsite (Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...79, 80, 81
Offsite (Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...59, 60, 61
Offsite (Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...69, 70, 71
Offsite (Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...74, 75, 76
Offsite (Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...62, 63
Offsite (Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...77, 78
Offsite (Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...57, 58

Offsite (Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...67, 68
Offsite (Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...72, 73

P

Point of Interest (Addition Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...108
Point of Interest (Addition Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...111
Point of Interest (Addition Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...107
Point of Interest (Addition Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...109
Point of Interest (Addition Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...110
Pre-Developed (Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...51
Pre-Developed (Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...54
Pre-Developed (Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...50
Pre-Developed (Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...52
Pre-Developed (Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...53
Pre-Developed (Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...33, 34, 35
Pre-Developed (Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...42, 43, 44
Pre-Developed (Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...30, 31, 32
Pre-Developed (Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...36, 37, 38
Pre-Developed (Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...39, 40, 41
Pre-Developed (Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...89, 90, 91
Pre-Developed (Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...104, 105, 106
Pre-Developed (Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...84, 85, 86
Pre-Developed (Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...94, 95, 96
Pre-Developed (Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...99, 100, 101
Pre-Developed (Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...87, 88
Pre-Developed (Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...102, 103
Pre-Developed (Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...82, 83
Pre-Developed (Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...92, 93

Pre-Development Conditions

Pre-Developed (Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...97, 98

U

Unit Hydrograph Equations...55, 56

User Notifications...2

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

Table of Contents

	User Notifications	2
	Master Network Summary	5
Bryant Arkansas		
	Time-Depth Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	7
	Time-Depth Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	9
	Time-Depth Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	11
	Time-Depth Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	13
	Time-Depth Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	15
Offsite		
	Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	17
	Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	19
	Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	21
	Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	23
	Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	25
Site		
	Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	27
	Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	29
	Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	31
	Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	33
	Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	35
Offsite		
	Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	37
	Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	38
	Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	39
	Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	40
	Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	41
Site		
	Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	42
	Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	43
	Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	44

Table of Contents

Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 45
Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 46

Unit Hydrograph Equations 47

Offsite

Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 49
Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 51
Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 54
Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 56
Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 59
Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 61
Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 64
Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 66
Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 69
Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 71

Site

Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 74
Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 76
Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 79
Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 81
Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 84
Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs) 86
Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 89
Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs) 91
Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 94
Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs) 96

POI

Addition Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs) 99
Addition Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs) 100

Table of Contents

	Addition Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	101
	Addition Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	102
	Addition Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	103
Detention Pond (OUT)		
	Time vs. Elevation, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	104
	Time vs. Elevation, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	116
	Time vs. Elevation, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	128
	Time vs. Elevation, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	140
	Time vs. Elevation, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	152
Detention Pond		
	Time vs. Volume, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	164
	Time vs. Volume, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	176
	Time vs. Volume, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	188
	Time vs. Volume, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	200
	Time vs. Volume, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	212
Detention Pond		
	Elevation-Area Volume Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	224
	Volume Equations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	225
	Elevation-Area Volume Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	226
	Volume Equations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	227
	Elevation-Area Volume Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	228
	Volume Equations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	229
	Elevation-Area Volume Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	230
	Volume Equations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	231
	Elevation-Area Volume Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	232
	Volume Equations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	233
Outfall Structure		
	Outlet Input Data, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	234
	Individual Outlet Curves, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	238

Table of Contents

	Composite Rating Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	264
	Outlet Input Data, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	269
	Individual Outlet Curves, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	273
	Composite Rating Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	278
	Outlet Input Data, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	283
	Individual Outlet Curves, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	287
	Composite Rating Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	292
	Outlet Input Data, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	297
	Individual Outlet Curves, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	301
	Composite Rating Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	306
	Outlet Input Data, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	311
	Individual Outlet Curves, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	315
	Composite Rating Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	320
Detention Pond		
	Elevation-Volume-Flow Table (Pond), 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	325
	Elevation-Volume-Flow Table (Pond), 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	327
	Elevation-Volume-Flow Table (Pond), 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	329
	Elevation-Volume-Flow Table (Pond), 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	331
	Elevation-Volume-Flow Table (Pond), 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	333
Detention Pond (IN)		
	Detention Time, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	335
	Level Pool Pond Routing Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	336
	Detention Time, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	337
	Level Pool Pond Routing Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	338
	Detention Time, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	339
	Level Pool Pond Routing Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	340
	Detention Time, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	341
	Level Pool Pond Routing Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	342
	Detention Time, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	343

Table of Contents

	Level Pool Pond Routing Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	344
Detention Pond (OUT)		
	Pond Routed Hydrograph (total out), 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	345
	Pond Routed Hydrograph (total out), 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	348
	Pond Routed Hydrograph (total out), 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	351
	Pond Routed Hydrograph (total out), 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	354
	Pond Routed Hydrograph (total out), 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	357
Detention Pond (IN)		
	Pond Inflow Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	360
	Pond Inflow Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	361
	Pond Inflow Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	362
	Pond Inflow Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	363
	Pond Inflow Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	364
Outlet		
	Diverted Hydrograph, 2 years (Bryant, AR - Synthetic Curve, 2 yrs)	365
	Diverted Hydrograph, 10 years (Bryant, AR - Synthetic Curve, 10 yrs)	368
	Diverted Hydrograph, 25 years (Bryant, AR - Synthetic Curve, 25 yrs)	371
	Diverted Hydrograph, 50 years (Bryant, AR - Synthetic Curve, 50 yrs)	374
	Diverted Hydrograph, 100 years (Bryant, AR - Synthetic Curve, 100 yrs)	377

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 ft³/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 ft³/s Interp. peak flow= 0.24 ft³/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 ft³/s. HW +/- Convergence 0.02 ft TW +/- Convergence 0.13 ft
Source	Warning

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 ft³/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 ft³/s. HW +/- Convergence 0.02 ft TW +/- Convergence 0.13 ft
Source	Warning

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 ft³/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 (ft³/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 (ft³/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
Label: Bryant Arkansas
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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)

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
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)

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
Return Event: 50 years
Label: Bryant Arkansas
Storm Event: TypeIII 24hr (8.0 in)
Scenario: Bryant, AR - Synthetic Curve, 50 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	7.2	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 ft²
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 ft²
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

==== SCS Channel Flow

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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 ft²
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

==== SCS Channel Flow

Tc = R = Qa / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

(Lf / V) / 3600

Where:
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

Tc = Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved Surface:
V = 20.3282 * (Sf**0.5)

(Lf / V) / 3600

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

==== SCS TR-55 Sheet Flow

Tc = (0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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 ft²
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

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

Tc = R = Qa / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

(Lf / V) / 3600

Where:
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

Tc = Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved Surface:
V = 20.3282 * (Sf**0.5)

(Lf / V) / 3600

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

==== SCS TR-55 Sheet Flow

Tc = (0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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 ft²
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 ft²
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

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**0.4))
Where:	Tc= Time of concentration, hours
	n= Manning's n
	Lf= Flow length, feet
	P= 2yr, 24hr Rain depth, inches
	Sf= Slope, %

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 ft²
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 ft²
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

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

Tc =	R = Qa / Wp
	V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n
	(Lf / V) / 3600
Where:	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

Tc =	Unpaved surface:
	V = 16.1345 * (Sf**0.5)
	Paved Surface:
	V = 20.3282 * (Sf**0.5)
	(Lf / V) / 3600
Where:	V= Velocity, ft/sec
	Sf= Slope, ft/ft
	Tc= Time of concentration, hours
	Lf= Flow length, feet

==== SCS TR-55 Sheet Flow

Tc =	(0.007 * ((n * Lf)**0.8)) / ((P**0.5) * (Sf**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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

==== 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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

==== 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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

==== 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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

==== 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

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.100 hours

==== 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

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 0.1333Tc, rtm, and th (Smallest dt is then adjusted to match up with Tp)
UDdt	User specified override computational main time increment (only used if UDdt is => .1333Tc)
D(t)	Point on distribution curve (fraction of P) for time step t
K	2 / (1 + (Tr/Tp)): default K = 0.75: (for Tr/Tp = 1.67)
Ks	Hydrograph shape factor = Unit Conversions * K: = ((1hr/3600sec) * (1ft/12in) * ((5280ft)**2/sq.mi)) * K Default Ks = 645.333 * 0.75 = 484
Lag	Lag time from center of excess runoff (dt) to Tp: Lag = 0.6Tc
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 1hr, for 1 sq.mi. = (Ks * A * Q) / Tp (where Q = 1in. runoff, A=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: Tb = Tp + Tr
Tp	Time (hrs) to peak of a unit hydrograph: Tp = (dt/2) + Lag
Tr	Time (hrs) of receding limb of unit hydrograph: Tr = ratio of Tp

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)	Pi(t) = Pa(t) - Pa(t-1): Col.(4) - Preceding Col.(4)
Column (4)	Pa(t) = D(t) x 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 (Pa(t) is <= 0.2Sp) then use: Rap(t) = 0.0
	If (Pa(t) is > 0.2Sp) then use:
	
	Rap(t) = (Col.(4)-0.2Sp)**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.

Incremental Weighted Runoff

Column (9)	R(t) = (Ap/At) x Rip(t) + (Ai/At) x Rii(t) R(t) = (Ap/At) x Col.(6) + (Ai/At) x Col.(8)

SCS Unit Hydrograph Method

Column (10)	Q(t) is computed with the SCS unit hydrograph method using R(t) and Qu(t).

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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.133 hours
Flow (Peak Interpolated Output)	0.24 ft³/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

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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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

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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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)

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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.45 ft³/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
Return Event: 10 years
Label: Offsite
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	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

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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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)

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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.58 ft³/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

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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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)

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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.73 ft³/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
Return Event: 50 years
Label: Offsite
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	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

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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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)

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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	0.79 ft³/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

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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Site
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)	1.410 acres

Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.120 hours
Flow (Peak, Computed)	2.97 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	2.95 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	4.98 ft³/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
Label: Site
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	15.98 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	6.09 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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

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 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	7.46 ft³/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
Label: Site
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	15.98 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Site
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)	1.410 acres

Computational Time Increment	0.013 hours
Time to Peak (Computed)	12.107 hours
Flow (Peak, Computed)	7.98 ft³/s
Output Increment	0.033 hours
Time to Flow (Peak Interpolated Output)	12.100 hours
Flow (Peak Interpolated Output)	7.96 ft³/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
Label: Site
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	15.98 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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

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

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

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond (OUT)
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 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)
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
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)
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
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)
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
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)
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
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)
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
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)
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
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)
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
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)
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
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)
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
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)
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
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)
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
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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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
Label: Detention Pond
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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)
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

Pond Volume Equations

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

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

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

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

Subsection: Volume Equations
Return Event: 10 years
Label: Detention Pond
Storm Event: TypeIII 24hr (6.0 in)
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Pond Volume Equations

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

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

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

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

Pond Volume Equations

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

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

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

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

Pond Volume Equations

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

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

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

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

Pond Volume Equations

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

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

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

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)

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 ft³/s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft³/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 ft²
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 ft²
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

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 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/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 (ft³/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 (ft³/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 (ft³/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 (ft³/s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)	Message
408.40	23.08	408.30	Free Outfall	Free Outfall	0.00	1.72	(N/A)	0.00	WS below an invert; no flow.
408.50	23.50	408.50	Free Outfall	Free Outfall	0.00	4.62	(N/A)	0.00	CRIT.DEPTH CONTROL Vh= .032ft Dcr= .094ft CRIT.DEPTH Hev= .00ft
408.60	23.70	408.60	Free Outfall	Free Outfall	0.00	10.64	(N/A)	0.00	CRIT.DEPTH CONTROL Vh= .032ft Dcr= .094ft CRIT.DEPTH Hev= .00ft
408.70	23.91	408.70	Free Outfall	Free Outfall	0.00	17.07	(N/A)	0.00	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
408.80	24.12	408.80	Free Outfall	Free Outfall	0.00	23.88	(N/A)	0.00	FLOW PRECEDENCE SET TO UPSTREAM CONTROLLING STRUCTURE
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	

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

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

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

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
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 (ft³/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 (ft³/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	0.00	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 (ft³/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 (ft³/s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)	Message
408.50	28.11	408.50	408.50	408.50	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.60	34.35	408.60	408.60	408.60	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.70	40.98	408.70	408.70	408.70	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.80	48.00	408.80	408.80	408.80	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.90	55.38	408.90	408.90	408.90	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.00	63.10	409.00	409.00	409.00	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.10	71.15	409.10	409.10	409.10	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.20	79.51	409.20	409.20	409.20	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.30	88.18	409.30	409.30	409.30	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.40	97.15	409.40	409.40	409.40	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.50	100.41	409.50	409.50	409.50	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.60	103.32	409.60	409.60	409.60	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.70	106.15	409.70	409.70	409.70	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.80	108.91	409.80	409.80	409.80	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.90	111.60	409.90	409.90	409.90	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
410.00	114.22	410.00	410.00	410.00	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.

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.
WS below an invert; no flow.
Weir: H =0.1ft

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

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

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 (ft³/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 (ft³/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	0.00	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 (ft³/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 (ft³/s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)	Message
408.50	0.00	408.50	408.50	408.50	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.60	0.00	408.60	408.60	408.60	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.70	0.00	408.70	408.70	408.70	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.80	0.00	408.80	408.80	408.80	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.90	0.00	408.90	408.90	408.90	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.00	0.00	409.00	409.00	409.00	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.10	0.00	409.10	409.10	409.10	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.20	0.00	409.20	409.20	409.20	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.30	0.00	409.30	409.30	409.30	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.40	0.00	409.40	409.40	409.40	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.50	0.00	409.50	409.50	409.50	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.60	0.00	409.60	409.60	409.60	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.70	0.00	409.70	409.70	409.70	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.80	0.00	409.80	409.80	409.80	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.90	0.00	409.90	409.90	409.90	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
410.00	0.00	410.00	410.00	410.00	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.

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

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
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

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
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 (ft³/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 (ft³/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	0.00	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 (ft³/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 (ft³/s)	Downstream Channel Tailwater (ft)	Tailwater Error (ft)	Message
408.50	0.00	408.50	408.50	408.50	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.60	0.00	408.60	408.60	408.60	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.70	0.00	408.70	408.70	408.70	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.80	0.00	408.80	408.80	408.80	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
408.90	0.00	408.90	408.90	408.90	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.00	0.00	409.00	409.00	409.00	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.10	0.00	409.10	409.10	409.10	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.20	0.00	409.20	409.20	409.20	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.30	0.00	409.30	409.30	409.30	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.40	0.00	409.40	409.40	409.40	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.50	0.00	409.50	409.50	409.50	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.60	0.00	409.60	409.60	409.60	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.70	0.00	409.70	409.70	409.70	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.80	0.00	409.80	409.80	409.80	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
409.90	0.00	409.90	409.90	409.90	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.
410.00	0.00	410.00	410.00	410.00	0.00	0.00	(N/A)	0.00	WS below an invert; no flow.

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

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
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE
FLOW PRECEDENCE SET TO DOWNSTREAM CONTROLLING STRUCTURE

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
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 (ft³/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 (ft³/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

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 (ft³/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 (ft³/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

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

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
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

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)	Contributing Structures
409.20	24.92	(N/A)	0.00	(no Q: Weir - 1,Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1)
409.30	25.12	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.40	25.31	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.50	25.50	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.60	25.70	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.70	25.89	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.80	26.08	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.90	26.27	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
410.00	26.45	(N/A)	0.00	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)
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)

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)
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)

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)

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)

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 ft³/s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft³/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 ft²
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 ft²
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

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

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			

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			

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			

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			

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 (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
409.20	24.92	(N/A)	0.00	(no Q: Weir - 1,Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1)
409.30	25.12	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.40	25.31	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.50	25.50	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.60	25.70	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.70	25.89	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.80	26.08	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.90	26.27	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
410.00	26.45	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)

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)
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)
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)

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)

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)

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 ft³/s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft³/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 ft²
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 ft²
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

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

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			

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			

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			

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			

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)	Contributing Structures
409.20	24.92	(N/A)	0.00	(no Q: Weir - 1,Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1)
409.30	25.12	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.40	25.31	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.50	25.50	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.60	25.70	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.70	25.89	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.80	26.08	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.90	26.27	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
410.00	26.45	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)

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)
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)

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)
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)

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)

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 ft³/s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft³/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 ft²
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 ft²
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

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

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			

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			

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			

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			

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 (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
409.20	24.92	(N/A)	0.00	(no Q: Weir - 1,Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1)
409.30	25.12	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.40	25.31	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.50	25.50	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.60	25.70	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.70	25.89	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.80	26.08	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.90	26.27	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
410.00	26.45	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)

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)
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)

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 - 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)

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
Label: Outfall Structure
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 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	407.82	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)

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 ft³/s
T2 Elevation	403.66 ft	T2 Flow	8.66 ft³/s

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: Riser - 1 Structure Type: Inlet Box	
Number of Openings	1
Elevation	407.82 ft
Orifice Area	16.0 ft²
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 ft²
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

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

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			

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			

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			

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			

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

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)	Contributing Structures
409.10	24.72	(N/A)	0.00	(no Q: Weir - 1,Orifice - 1,Riser - 1,Orifice - 2,Culvert - 1)
409.20	24.92	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.30	25.12	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.40	25.31	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.50	25.50	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.60	25.70	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.70	25.89	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.80	26.08	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
409.90	26.27	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)
410.00	26.45	(N/A)	0.00	Orifice - 2,Culvert - 1 (no Q: Weir - 1,Orifice - 1,Riser - 1)

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)
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)

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)

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 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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 (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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 (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.033 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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 (ft³/s)	Storage (ac-ft)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/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

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)	3.18 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.81 ft³/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

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

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)	6.67 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	5.83 ft³/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

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

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 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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)

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) (ft³/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

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

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) (ft³/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
Return Event: 50 years
Label: Detention Pond (IN)
Storm Event: TypeIII 24hr (8.0 in)
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

Peak Discharge	1.81 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 2 yrs

Return Event: 2 years
Storm Event: TypeIII 24hr (4.3 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

Peak Discharge	3.73 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 10 yrs

Return Event: 10 years
Storm Event: TypeIII 24hr (6.0 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

Peak Discharge	5.83 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 25 yrs

Return Event: 25 years
Storm Event: TypeIII 24hr (6.9 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

Peak Discharge	6.44 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 50 yrs

Return Event: 50 years
Storm Event: TypeIII 24hr (8.0 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

Peak Discharge	6.92 ft³/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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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
Label: Outlet
Scenario: Bryant, AR - Synthetic Curve, 100 yrs

Return Event: 100 years
Storm Event: TypeIII 24hr (8.4 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.033 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/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

Index

B

Bryant Arkansas (Time-Depth Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...9, 10
Bryant Arkansas (Time-Depth Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...15, 16
Bryant Arkansas (Time-Depth Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...7, 8
Bryant Arkansas (Time-Depth Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...11, 12
Bryant Arkansas (Time-Depth Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...13, 14

D

Detention Pond (Elevation-Area Volume Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...226
Detention Pond (Elevation-Area Volume Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...232
Detention Pond (Elevation-Area Volume Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...224
Detention Pond (Elevation-Area Volume Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...228
Detention Pond (Elevation-Area Volume Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...230
Detention Pond (Elevation-Volume-Flow Table (Pond), 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...327, 328
Detention Pond (Elevation-Volume-Flow Table (Pond), 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...333, 334
Detention Pond (Elevation-Volume-Flow Table (Pond), 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...325, 326
Detention Pond (Elevation-Volume-Flow Table (Pond), 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...329, 330
Detention Pond (Elevation-Volume-Flow Table (Pond), 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...331, 332
Detention Pond (IN) (Detention Time, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...337
Detention Pond (IN) (Detention Time, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...343
Detention Pond (IN) (Detention Time, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...335
Detention Pond (IN) (Detention Time, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...339
Detention Pond (IN) (Detention Time, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...341
Detention Pond (IN) (Level Pool Pond Routing Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...338
Detention Pond (IN) (Level Pool Pond Routing Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...344
Detention Pond (IN) (Level Pool Pond Routing Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...336
Detention Pond (IN) (Level Pool Pond Routing Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...340

Detention Pond (IN) (Level Pool Pond Routing Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...342
Detention Pond (IN) (Pond Inflow Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...361
Detention Pond (IN) (Pond Inflow Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...364
Detention Pond (IN) (Pond Inflow Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...360
Detention Pond (IN) (Pond Inflow Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...362
Detention Pond (IN) (Pond Inflow Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...363
Detention Pond (OUT) (Pond Routed Hydrograph (total out), 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...348, 349, 350
Detention Pond (OUT) (Pond Routed Hydrograph (total out), 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...357, 358, 359
Detention Pond (OUT) (Pond Routed Hydrograph (total out), 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...345, 346, 347
Detention Pond (OUT) (Pond Routed Hydrograph (total out), 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...351, 352, 353
Detention Pond (OUT) (Pond Routed Hydrograph (total out), 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...354, 355, 356
Detention Pond (OUT) (Time vs. Elevation, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127
Detention Pond (OUT) (Time vs. Elevation, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163
Detention Pond (OUT) (Time vs. Elevation, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115
Detention Pond (OUT) (Time vs. Elevation, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139
Detention Pond (OUT) (Time vs. Elevation, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151
Detention Pond (Time vs. Volume, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187
Detention Pond (Time vs. Volume, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223
Detention Pond (Time vs. Volume, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175
Detention Pond (Time vs. Volume, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199
Detention Pond (Time vs. Volume, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211
Detention Pond (Volume Equations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...227
Detention Pond (Volume Equations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...233
Detention Pond (Volume Equations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...225
Detention Pond (Volume Equations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...229
Detention Pond (Volume Equations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...231

M

Post-Development Conditions

Master Network Summary...5, 6

O

Offsite (Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...38

Offsite (Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...41

Offsite (Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...37

Offsite (Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...39

Offsite (Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...40

Offsite (Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...19, 20

Offsite (Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...25, 26

Offsite (Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...17, 18

Offsite (Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...21, 22

Offsite (Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...23, 24

Offsite (Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...56, 57, 58

Offsite (Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...71, 72, 73

Offsite (Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...51, 52, 53

Offsite (Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...61, 62, 63

Offsite (Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...66, 67, 68

Offsite (Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...54, 55

Offsite (Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...69, 70

Offsite (Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...49, 50

Offsite (Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...59, 60

Offsite (Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...64, 65

Outfall Structure (Composite Rating Curve, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...278, 279, 280, 281, 282

Outfall Structure (Composite Rating Curve, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...320, 321, 322, 323, 324

Outfall Structure (Composite Rating Curve, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...264, 265, 266, 267, 268

Outfall Structure (Composite Rating Curve, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...292, 293, 294, 295, 296

Outfall Structure (Composite Rating Curve, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...306, 307, 308, 309, 310

Outfall Structure (Individual Outlet Curves, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...273, 274, 275, 276, 277

Post-Development Conditions

Outfall Structure (Individual Outlet Curves, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...315, 316, 317, 318, 319
Outfall Structure (Individual Outlet Curves, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263
Outfall Structure (Individual Outlet Curves, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...287, 288, 289, 290, 291
Outfall Structure (Individual Outlet Curves, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...301, 302, 303, 304, 305
Outfall Structure (Outlet Input Data, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...269, 270, 271, 272
Outfall Structure (Outlet Input Data, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...311, 312, 313, 314
Outfall Structure (Outlet Input Data, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...234, 235, 236, 237
Outfall Structure (Outlet Input Data, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...283, 284, 285, 286
Outfall Structure (Outlet Input Data, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...297, 298, 299, 300
Outlet (Diverted Hydrograph, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...368, 369, 370
Outlet (Diverted Hydrograph, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...377, 378, 379
Outlet (Diverted Hydrograph, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...365, 366, 367
Outlet (Diverted Hydrograph, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...371, 372, 373
Outlet (Diverted Hydrograph, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...374, 375, 376

P

POI (Addition Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...100

POI (Addition Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...103

POI (Addition Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...99

POI (Addition Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...101

POI (Addition Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...102

S

Site (Runoff CN-Area, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...43

Site (Runoff CN-Area, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...46

Site (Runoff CN-Area, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...42

Site (Runoff CN-Area, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...44

Site (Runoff CN-Area, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...45

Site (Time of Concentration Calculations, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...29, 30
Site (Time of Concentration Calculations, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...35, 36

Site (Time of Concentration Calculations, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...27, 28
Site (Time of Concentration Calculations, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...31, 32
Site (Time of Concentration Calculations, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...33, 34
Site (Unit Hydrograph (Hydrograph Table), 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...81, 82, 83
Site (Unit Hydrograph (Hydrograph Table), 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...96, 97, 98
Site (Unit Hydrograph (Hydrograph Table), 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...76, 77, 78
Site (Unit Hydrograph (Hydrograph Table), 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...86, 87, 88
Site (Unit Hydrograph (Hydrograph Table), 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...91, 92, 93
Site (Unit Hydrograph Summary, 10 years (Bryant, AR - Synthetic Curve, 10 yrs))...79, 80
Site (Unit Hydrograph Summary, 100 years (Bryant, AR - Synthetic Curve, 100 yrs))...94, 95
Site (Unit Hydrograph Summary, 2 years (Bryant, AR - Synthetic Curve, 2 yrs))...74, 75
Site (Unit Hydrograph Summary, 25 years (Bryant, AR - Synthetic Curve, 25 yrs))...84, 85
Site (Unit Hydrograph Summary, 50 years (Bryant, AR - Synthetic Curve, 50 yrs))...89, 90

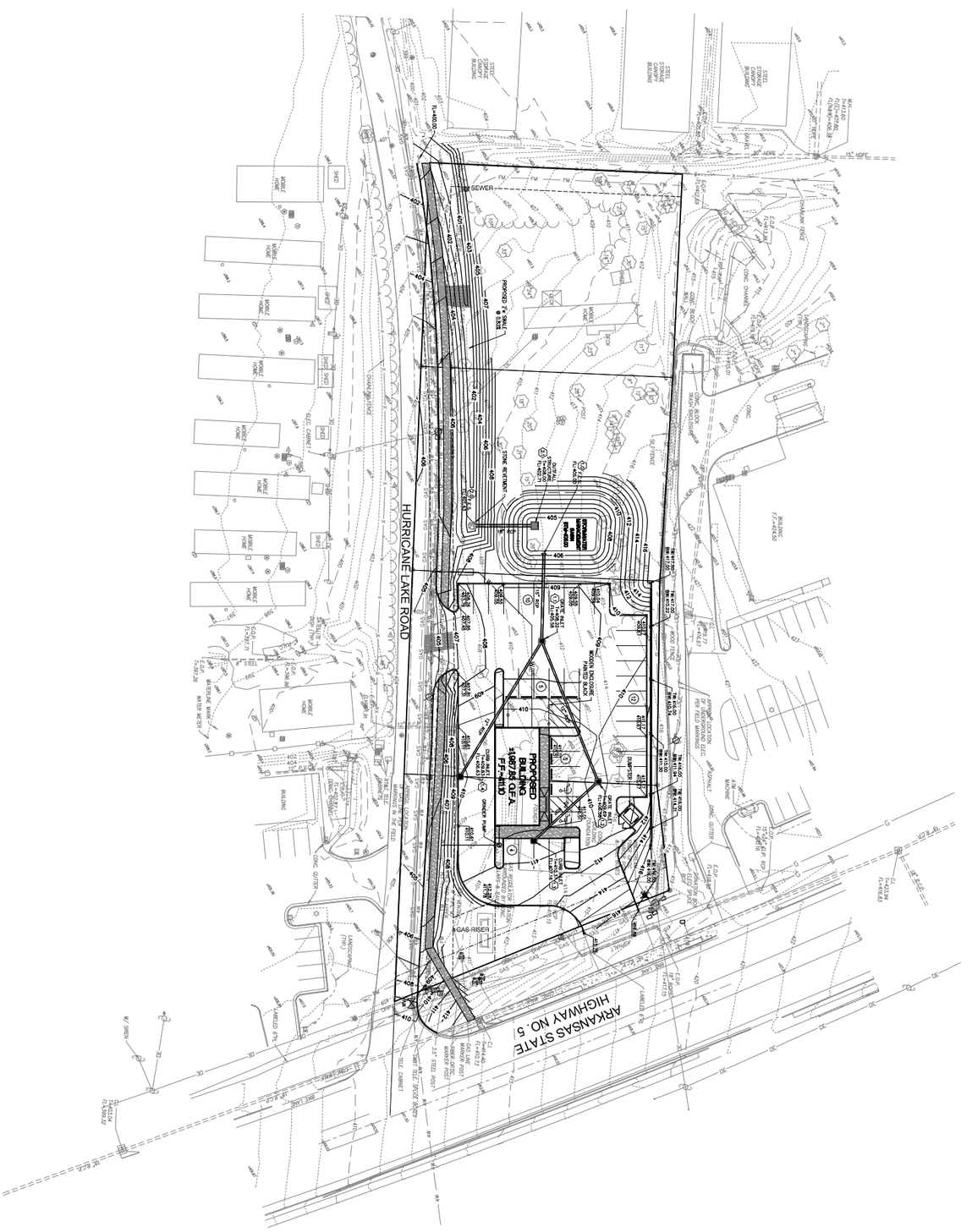
U

Unit Hydrograph Equations...47, 48

User Notifications...2, 3, 4

APPENDIX G:
SITE GRADING PLAN
(PLAN SHEET C5.0)

DRAWING FILE: O:\DRAWITTOS\2025\7753\Civil\Preliminary\7775-Base-Current_NEW.dwg LAYOUT: C5.0-Site Grading Plan PLOTTED: Jun 26, 2025 - 4:05pm PLOTTED BY: lucas.arthur



SITE GRADING PLAN

SHEET NO.
C5.0

DRAWN BY: CLR
CHECKED BY: CLR
JOB NO: 24-2025
SCALE: 1" = 30'
DATE: 06/26/25
SHEET TITLE:

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:
CHRISTOPHER L. TURNER, P.E.
REGISTRATION NUMBER: 0029646
DATE: 6/26/25

REVISIONS:

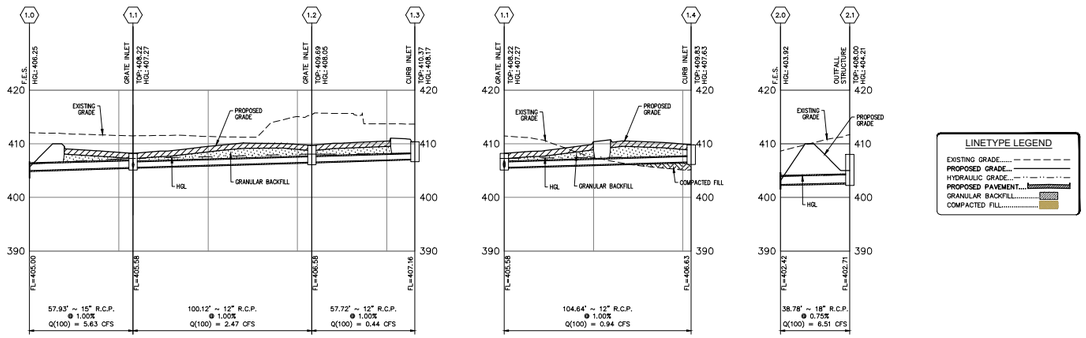
SITE IMPROVEMENT PLANS FOR:

GOOD DAY FARM - BRYANT

3205 HIGHWAY 5 N,
BRYANT, ARKANSAS 72019

PREPARED BY:
STOCKL & ASSOCIATES
Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63005 PH. (636) 530-9100 FAX (636) 530-9130
e-mail: general@stocklassoc.com
Web: www.stocklassoc.com

APPENDIX H:
SEWER PROFILES
(PLAN SHEET C8.0)



STORM SEWER PROFILES

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

LINETYPE LEGEND

EXISTING GRADE.....
PROPOSED GRADE.....
HYDRAULIC GRADE.....
PROPOSED PAVEMENT.....
GRANULAR BACKFILL.....
COMPACTED FILL.....

Project name:	GDF - BRYANT	Calculated By:	L.C.W.
Project number:	2024-7775	Checked By:	G.M.S.
Project Location:	BRYANT, AR	Date:	5/21/2025

100-year Pipe Hydraulics

Bend Coefficient:

5° =0.06	20° =0.24	35° = 0.4	50° =0.50	65° =0.57	80° =0.65
10° =0.11	25° =0.30	40° =0.43	55° =0.52	70° =0.60	85° =0.67
15° =0.18	30° =0.35	45° =0.47	60° =0.55	75° =0.62	90° =0.70

Revisions:

Structure Number	LINE: Upper structure	LINE: Lower structure	FLOW LINE ELEVATIONS: Upper structure	FLOW LINE ELEVATIONS: 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(Vh) (ft)	QVh (ft^3/s)	Pipe Coef. (n)	HEAD LOSS: Hj (ft)	Junction (ft)	Bend (ft)	Curve (ft)	Total H=	Hydraulic Elevations: Upper F.L. +Dia.	Lower HE +Hf	Lower HE	Structure Upper HE + H=	Top/Sill Structure Elevation	Free Board	Structure Number	Remarks	Velocity Mannings Formula (ft/s)
2.1	2.1	2.0	402.71	402.42	38.78	0.0075	18	9.12	6.51	3.68	0.00	0.00	0.21	1.37	0.013	0.15	0.00	0.00	0.00	0.00	404.21	404.07	403.92	404.21	408.00	3.79	2.1	Outfall Structure	5.16
2.0	2.0		402.42																				Top of Pipe =	403.92			2.0	FES	
1.4	1.4	1.1	406.63	405.58	34.64	0.0100	12	3.57	0.74	0.94	0.00	0.00	0.01	0.01	0.013	0.01	0.00	0.00	0.00	0.00	407.63	407.29	407.27	407.63	409.83	2.20	1.4	Curb Inlet	4.55
1.1	1.1		405.58																				From Below =	407.27			1.1	Grate Inlet	
1.3	1.3	1.2	407.16	406.58	57.72	0.0100	12	3.57	0.44	0.56	0.00	0.00	0.00	0.00	0.013	0.01	0.01	0.00	0.00	0.01	408.16	408.06	408.05	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	2.47	3.14	0.60	0.00	0.15	0.38	0.013	0.48	0.20	0.09	0.00	0.30	407.58	407.75	407.27	408.05	409.69	1.64	1.2	Grate Inlet	4.55
1.1	1.1	1.0	405.58	405.00	57.93	0.0100	15	6.48	5.63	4.59	0.30	0.00	0.33	1.84	0.013	0.44	0.35	0.10	0.00	0.44	406.93	406.69	406.25	407.27	408.22	0.95	1.1	Grate Inlet	5.28
1.0	1.0		405.00																				Top of Pipe =	406.25			1.0	FES	

MEAN FULL FLOW VELOCITY: $V = Q_{ACF}/A_{PIPE}$
FRICTION LOSS (Hf): $Hf = 2.87\ n^2\ (LV^2/d^{1.33})$
VELOCITY HEAD: $V_h = V^2/2g$

JUNCTION LOSES (JUNC.) = [$Q_{out}V_{hout}$ - Sum ($Q_{in}V_{in}$)]x1.33/[Q_{out}]
BEND LOSES (BEND) = (V^2) * ANGLE COEFFICIENT
CURVE LOSS=V_h*CURVE COEFFICIENT

Note:
1. IF MORE THAN ONE INCOMING LINE, CALC. EACH BEND LOSS AND ADD TOGETHER.
2. NO STRUCTURE LOSES TO BE CALCULATED AT A DROP
3. IF $GV_{h(ds)} > GV_{h(us)}$, NO JUNCTION LOSES TO BE CALCULATED.

Note(s):

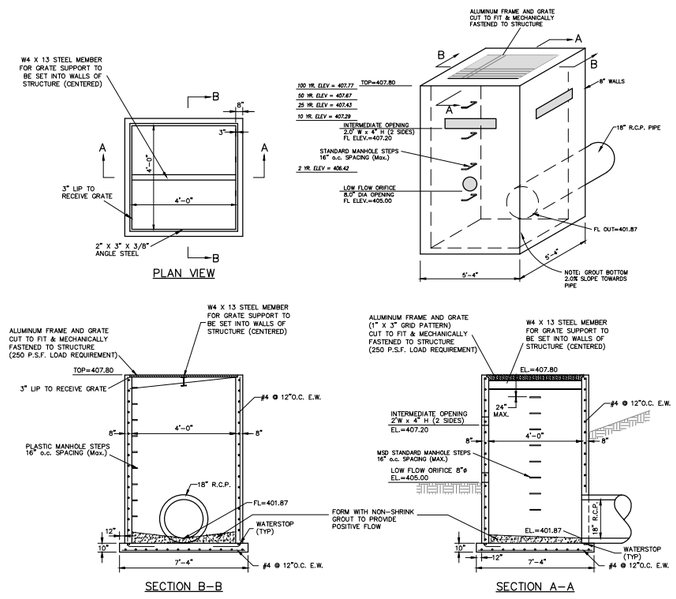
100-YEAR PIPE HYDRAULICS

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) 768-6387.



OUTFALL STRUCTURE #2.1

(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.

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
Chesterfield, MO 63005-1410
530-2600 FAX (636) 530-0100
e-mail: general@stockassoc.com
Web: www.stockassoc.com

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: 000096

REVISIONS:

DRAWN BY: L.C.W.	CHECKED BY: G.M.S.
DATE: 05-14-2025	JOB NO: 2025-7775
M.S.D. P #:	BASE MAP #:
S.L.C. H&T #:	H&T S.U.P. #:
M.D.N.R. #:	

SHEET TITLE: SEWER PROFILES

SHEET NO: 8.0

This drawing is the property of Stock & Associates Consulting Engineers, Inc. and is not to be used for any purpose without the written consent of Stock & Associates Consulting Engineers, Inc.

APPENDIX I:
DRAINAGE AREA MAPS
(PLAN SHEET C10.0 & C10.1)

STORMWATER DIFFERENTIAL RUNOFF

PRE-DEVELOPED			
	ACRES	C*I	TOTAL Q(100)
GRASS	1.26	5.10	6.40
PVMT/ROOF	0.15	9.50	1.40
		TOTAL Q(100) =	7.81

POST-DEVELOPED			
	ACRES	C*I	TOTAL Q(100)
GRASS	0.61	5.10	3.09
PVMT/ROOF	0.80	9.50	7.58
		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

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
Chesterfield, MO 63005-1243
(636) 530-9100 FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

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: 000096

REVISIONS:

DRAWN BY: L.C.W.	CHECKED BY: G.M.S.
DATE: 05-14-2025	JOB NO.: 2025-7775
M.S.D. P #:	BASE MAP #:
S.L.C. H&T #:	H&T S.U.P. #:
M.D.N.R. #:	

SHEET TITLE:
EXISTING DRAINAGE AREA MAP

SHEET NO.:
C10.0

GOOD DAY FARM - BRYANT 2024-7775

STORMWATER RUNOFF CALCULATIONS

Q=CIA
Q=PEAK FLOW, C=RUNOFF COEFF.,
I=RAINFALL INTENSITY, A=DRAINAGE AREA

100 YEAR 5-MIN
I=10 IN/HR
C (IMPERVIOUS)=0.95*
C (PERVIOUS) = 0.51*
*=FROM TABLE 400-1

POST-DEVELOPMENT RUNOFF

SUBAREA	AREA (SQ FT) PERVIOUS	IMPERVIOUS	TOTAL AREA SQ FT	AC	PERVIOUS ACREAGE	C*I (PERV.)	Q (PERV.)	IMPERVIOUS ACREAGE	C*I (IMPRV.)	Q (IMPRV.)	Q (TOTAL)
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
O-2	854	0	854	0.02	0.02	5.10	0.10	0.00	9.50	0.00	0.10
O-3	1,689	0	1,689	0.04	0.04	5.10	0.20	0.00	9.50	0.00	0.20
O-6	3,424	400	3,824	0.09	0.08	5.10	0.40	0.01	9.50	0.09	0.49
O-7	0	779	779	0.02	0.00	5.10	0.00	0.02	9.50	0.17	0.17

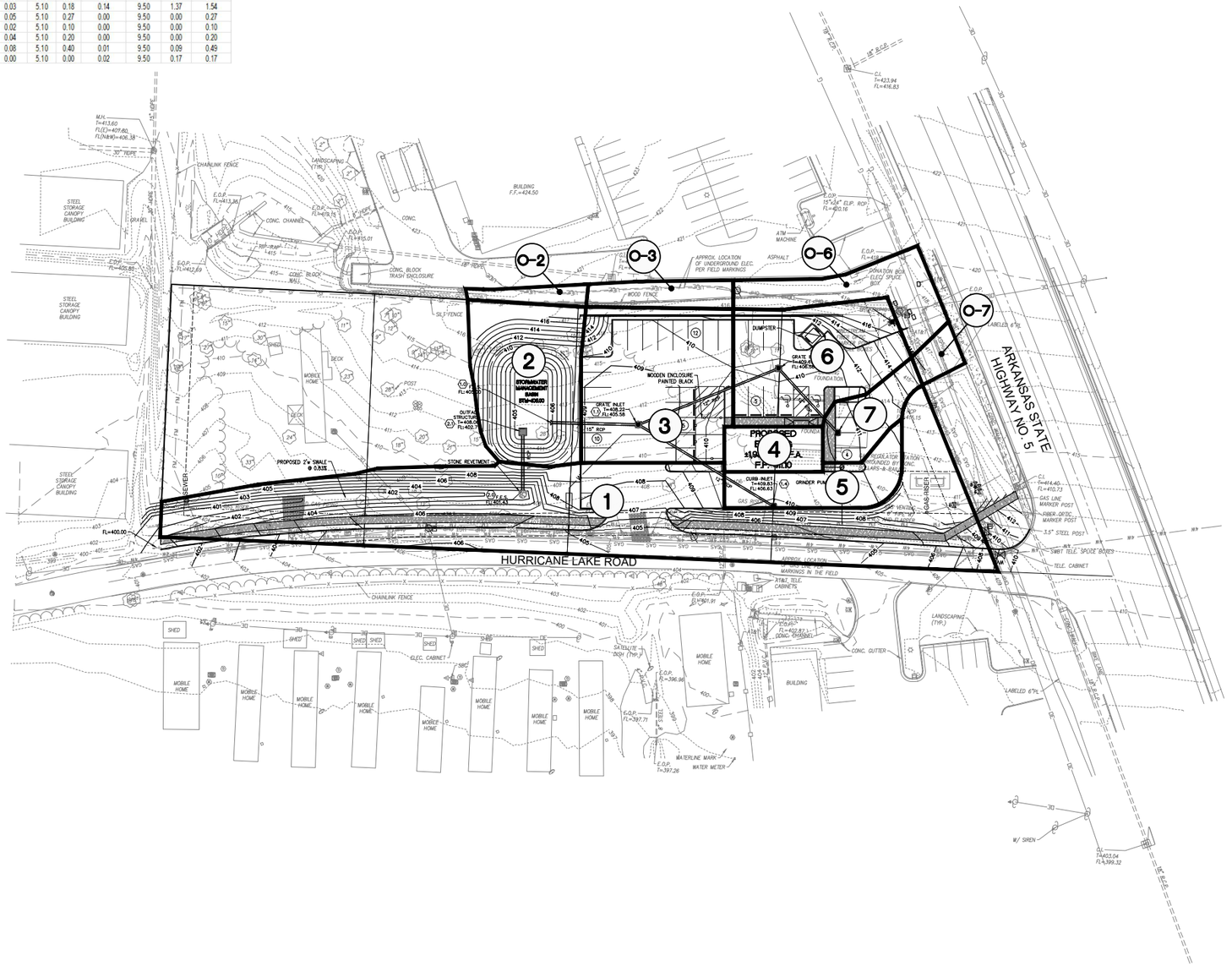
TABLE 2

Peak Discharge - Post-Developed Conditions

Design Storm (Year)	Allowable Discharge (cfs)	Post-Developed Discharge (cfs)
2	2.53	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



GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
Chesterfield, MO 63005-1243
(636)-530-9100 FAX: (636)-530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

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
M.S.D. P. #	BASE MAP #
S.L.C. H&T #	H&T S.U.P. #
M.D.N.R. #	

SHEET TITLE:
PROPOSED DRAINAGE AREA MAP

SHEET NO.:
C10.1

APPENDIX J:
OUTFALL STRUCTURE
DETAIL

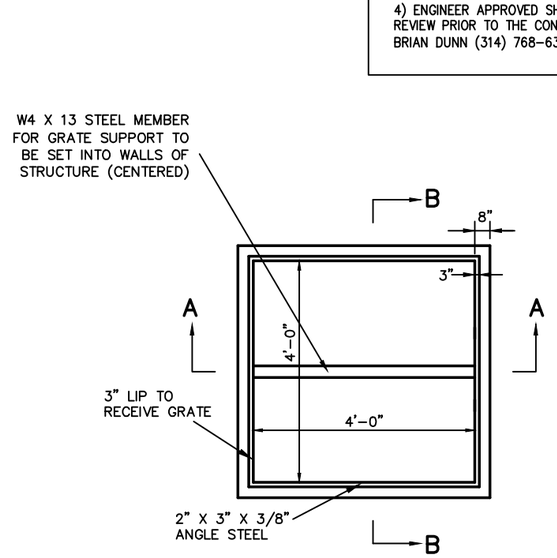
OUTFALL STRUCTURE NOTES:

1) CONTROL STRUCTURE TO BE REINFORCED CONCRETE: WALL THICKNESS IS 8" w/ TWO (2) ROWS OF #4 STEEL.

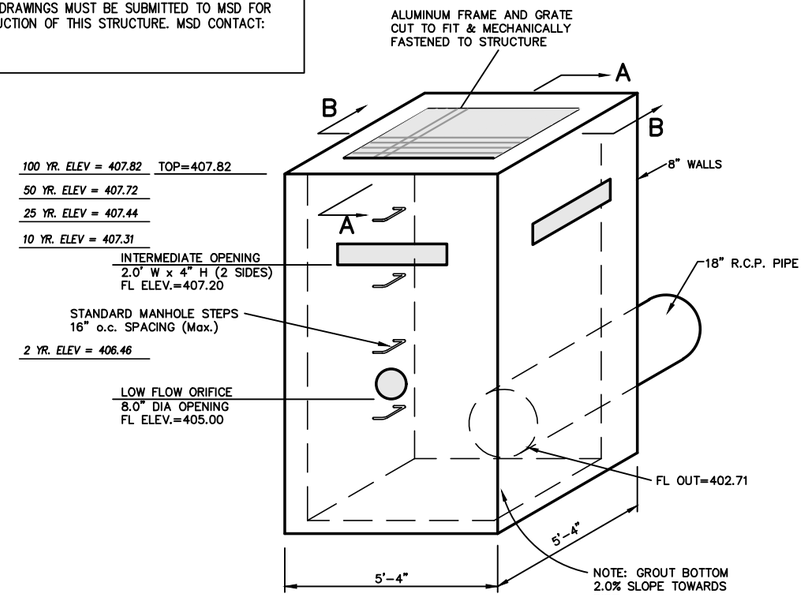
2) OUTFALL STRUCTURE SHALL BE PRE-CAST OR CAST-IN-PLACE.

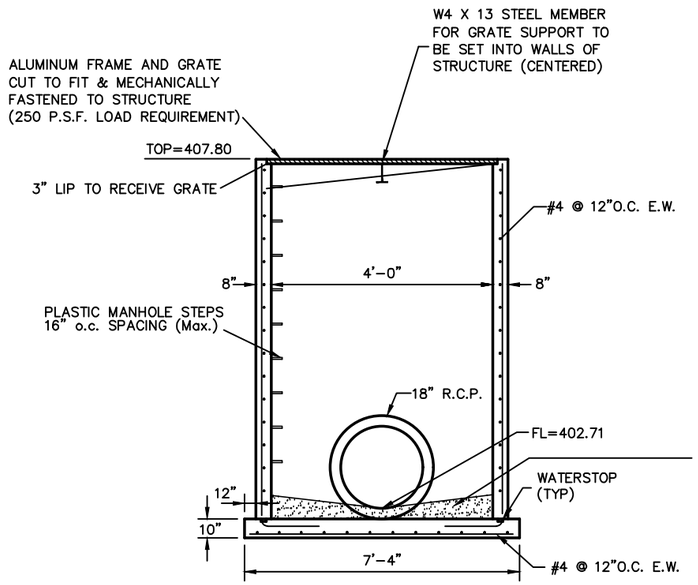
3) CONTRACTOR SHALL PROVIDE A HIGH LEVEL OF CARE WHEN PLACING & COMPACTING "CLAY" SOILS AROUND OUTFALL STRUCTURE & PIPING. THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM THE "LEVEL OF PLACEMENT"

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.

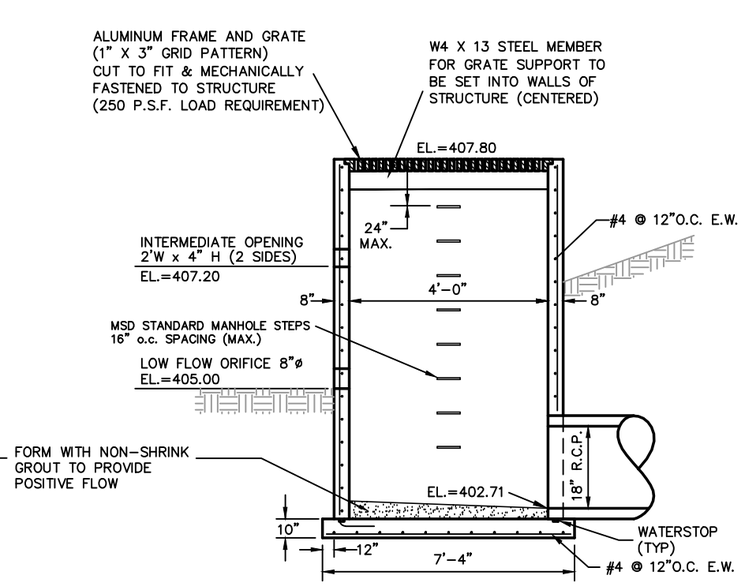


PLAN VIEW





SECTION B-B



SECTION A-A

OUTFALL STRUCTURE #2.1

(N.T.S.)