



Engineering
& Design

Stormwater Management Report

December 20, 2022

NEP Magick Cauldron

119 Airport Road

Smithfield Township, Monroe County, Pennsylvania

Prepared for:

Northeast Pennsylvania SMSA
d/b/a Verizon Wireless
512 Township Line Road
Building 2, Floor 3
Blue Bell, PA 19422

Prepared by:

Eric M. Rundstrom, P.E., CME
PA Professional Engineer
License No. PE090277

Colliers Engineering & Design

2000 Midlantic Drive
Suite 100
Mt. Laurel, New Jersey 08054
Main: 856 797 0412
Colliersengineering.com

Project No. 22960030A

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Introduction

This report presents the analysis design of the stormwater management system for the proposed telecommunications tower construction located at 119 Airport Road in Smithfield Township, Monroe County, Pennsylvania. This report has been prepared to demonstrate compliance with the Smithfield Township Stormwater Management Ordinance (SWMO). The purpose of this report is to demonstrate that the proposed development design will mitigate stormwater runoff and comply with the water quality requirements that apply to this site.

Site Description

The site topography as described in the existing topographic conditions survey prepared by Colliers Engineering & Design, dated November 9, 2022, indicate the site has elevations ranging approximately from 506± feet to 536± feet. Site grades are highest along the southeastern portion of the site and surface water drains to an unnamed tributary to Sambo Creek. The Chapter 93 classification for Sambo Creek is Cold Water Fishery (CWF). The existing site primarily wooded area owned by RR2 Airport Road LLC. There is an existing paved/gravel pathway that begins at the intersection of the paved driveway and Airport Road (see appendix A).

Classification of Soils

The soils within the limit of disturbance include Benson-Rock outcrop complex, 8 to 25 percent slopes (BeC), as seen in the NRCS Soil Survey Map in Appendix A. Benson soils are considered hydrologic soil group D.

Project Description

The existing paved/gravel pathway will be demolished and replaced with a gravel access driveway that leads to the proposed tower site. The entire length of the access drive will be underlain by an infiltration trench to capture and store excess runoff. The access road will be constructed with PADOT 2A Modified Coarse Aggregate surface course and a Clean AASHTO #3 Aggregate infiltration trench will be used for a subsurface infiltration trench along the length of the driveway. The gravel tower site will have a Compacted AASHTO #57 Stone surface over a layer of Geotextile Fabric and Rolled PADOT 2A Modified Stone. The tower site will include multiple concrete pads for foundations and equipment. The rest of the disturbed are will be seeded in grass.

The scope of work of the project includes, but is not limited to the following improvements:

- Site Clearing
- Preliminary and Final Grading Road Construction
- Tower Site Construction
- Subgrade Stormwater Management Features

Drainage Design

The driveway was divided into five (5) individual drainage areas and each were analyzed for a subgrade detention/infiltration system. The overall system was designed based on the cumulative flow of each of the drainage areas. These drainage areas were delineated based off the proposed grades. According to the Smithfield Township Stormwater Management ordinance (chapter 26, part 2) and the map in Appendix D, the site is in the Brodhead Creek B-1 Discharge District. B-1 requires the site to control proposed runoff rates to existing conditions in accordance with SWMO Table 225.1. To show compliance with SWMO Section 225 as well as Sections 223 (Water Quality and Streambank Erosion) and 224 (Groundwater Recharge), stormwater management facilities have been designed for the site based on the rainfall and rainfall values referenced from NOAA.

The Water Quality volume analysis was performed using the SCS Method and analyzed the volume change for the area within the limit of disturbance. The results show the 2-year volume discharged from the undetained post-development area does not exceed the 1-year pre-development volume. The infiltration trenches have been designed to store the 2-year volume from the post-development detained areas with minimal discharge (see appendix C).

Pre-Development Conditions

Based on the existing woods and access road within the limit of disturbance, the pre-development peak discharge rates were computed for the design storm events (see appendix B). The existing peak discharge rates were reduced as required in the post-development conditions. The pre-development network can be seen in Figure 1.

Pre

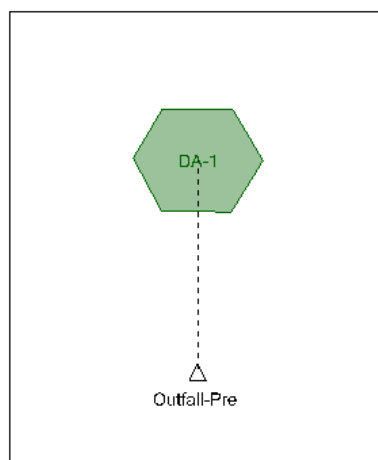


Figure 1: Pre-Development Network

Existing Conditions Peak Flow Summary	
Design Storm	Pre-Development Peak Flow (cfs)
1-Year	2.23
2-Year	3.15
5-Year	4.60
10-Year	5.91
25-Year	8.08
50-Year	10.13
100-Year	12.59

Post-Development Hydrology

Five (5) individual subsurface infiltration trenches were proposed. To capture the difference between pre- and post-development condition the infiltration/detention systems were located along the access road, downslope of the tower site and access road. Each infiltration trench was sized to manage the volume increase and address peak rates in runoff for each drainage area. Although the trenches vary in depth, each trench is 2' wide on the surface, but span 12' under the access road. In addition, a 3" berm runs along each trench. Based on the infiltration rate for each test pit, the proposed stormwater facilities will dewater and infiltrate within 72 hours (see appendix C). All pre- and post-development peak rate hydrographs, recharge calculations, and infiltration trench design are included in Appendix B. The post-development network can be seen in Figure 2. The following tables are a summary of the overall proposed conditions.

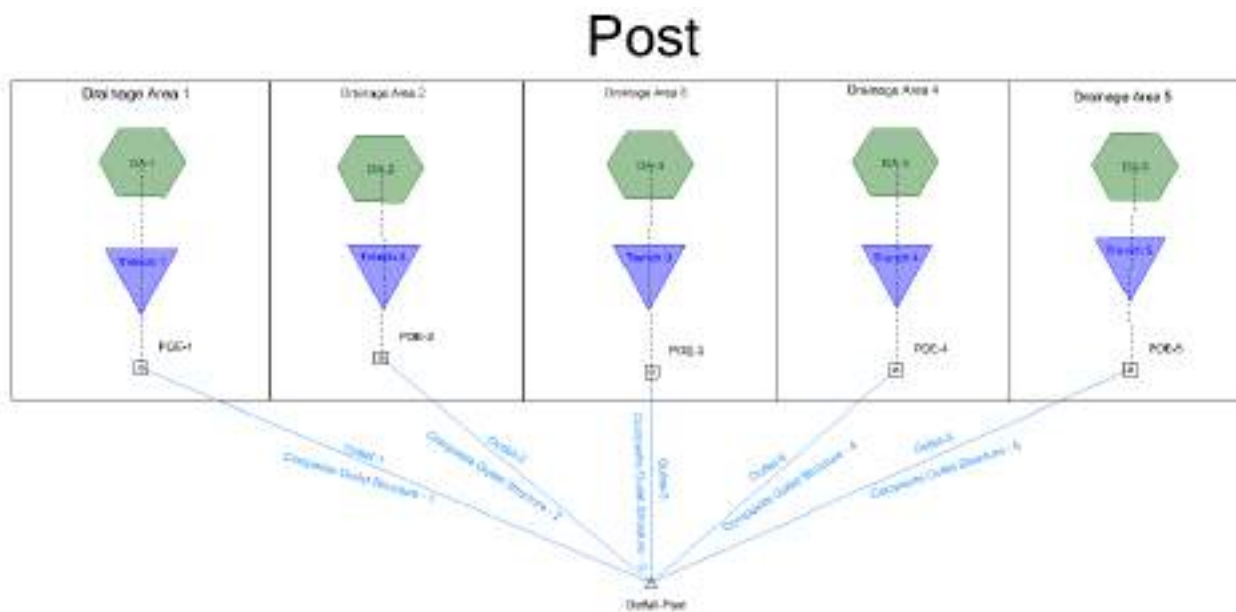


Figure 2: Post-Development Network

Proposed Conditions Peak Flow Summary			
Post-Development Design Storm	Reduce to Pre-Development Design Storm*	Allowable Peak Discharge (cfs)	Post-Development Trench 5 Peak Discharge (cfs)
2-Year	1-Year	2.23	0.43
5-Year	2-Year	3.15	0.85
10-Year	5-Year	4.60	1.86
25-Year	10-Year	5.91	4.21
50-Year	25-Year	8.08	5.82
100-Year	100-Year	12.59	8.72

*Per SWMO Table 225.1

Recharge/Water Quality Volume Summary			
Infiltration Volume Provided (CF)	Required Recharge Volume (CF)	Existing 1-Year Volume (CF)	Proposed 2-Year Volume (CF)
9291	621	5402	2182

Operations and Maintenance

1. The lessee (Verizon Wireless) shall own, maintain and be responsible for all stormwater management facilities that are located outside of street rights-of-way as proposed on the preliminary/final land development plans.
2. The lessee shall conduct a visual inspection of all stormwater management and permanent storage facilities at least once every year and after significant storm events. Such visual examination shall at least involve an examination of the stormwater collection and conveyance systems for debris deposition (such debris may include, but shall not be limited to aggregate material, leaves, grass clippings, soil and trash), and an examination of the permanent storage structures for soil and structural settlement, depressions, sinkholes, seeps, tank leakage, structural cracking, animal burrows, excessive vegetation, clogging, erosion and foundation movement.
3. The lessee shall remove any accumulation of debris and repair any damage to the stormwater management and permanent storage facilities. Repairs shall be made using material that meets or exceeds the specifications provided on the plans.
4. The lessee is required to maintain a record of all inspections, repairs, and maintenance activities associated with the stormwater management and permanent BMP facilities at this project site. The lessee shall immediately notify the municipality and the conservation district prior to initiating any major repair activities (such as repairs that may be required as a result of settlement, sinkholes, seeps, structural cracking or foundation movement).
5. The lessee shall also comply with any other maintenance notes that may be on the preliminary/final land development plans.
6. The lessee shall be responsible for proper maintenance during and after development.
7. At no time will any action be taken by the occupant to disrupt or in any way impair the effectiveness of any stormwater management system.

Conclusion

The proposed improvements have been designed to minimize the adverse impact of stormwater runoff on water quality, water quantity and groundwater recharge. This has been accomplished by incorporating multiple stormwater management trenches along the access road. The project complies with SWMO Section 225 as well as Sections 223 (Water Quality and Streambank Erosion) and 224 (Groundwater Recharge).

Appendix A

Maps and References



PROJECT LOCATION



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Doing Business as



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SITE LOCATION MAP
FOR
VERIZON WIRELESS

MAGICK CAULDRON

SMITHFIELD TOWNSHIP
MONROE COUNTY
PENNSYLVANIA



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RED BANK (Headquarters)
331 Newman Springs Road,
Suite 203
Red Bank, NJ 07701
Phone: 732.383.1950
COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS MASER CONSULTING

STORMWATER MANAGEMENT REPORT

SCALE: AS SHOWN	DATE: 12/13/12	DRAWN BY: RNR	CHECKED BY: MG
PROJECT NUMBER: 22960030A	DRAWING NAME: C-DRNG		

SHEET TITLE:
SITE LOCATION MAP

SHEET NUMBER:
1 of 1



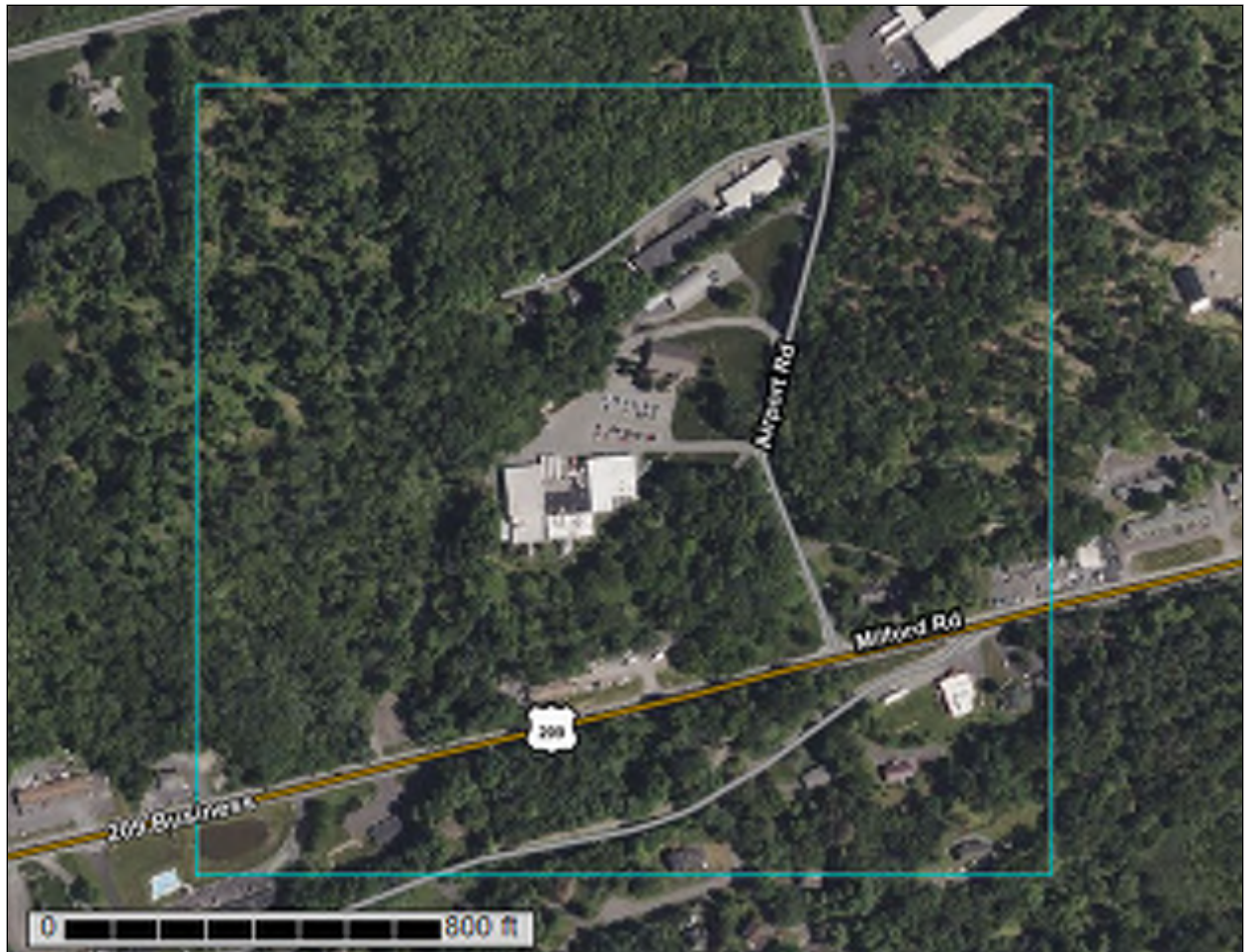
United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Monroe County, Pennsylvania



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

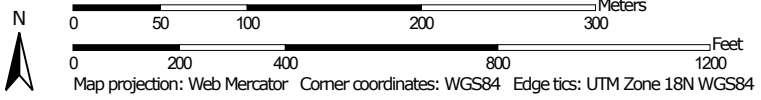
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.




































Custom Soil Resource Report Soil Map



Map Scale: 1:4,340 if printed on A landscape (11" x 8.5") sheet.



MAP LEGEND

Area of Interest (AOI)			Spoil Area
	Area of Interest (AOI)		Stony Spot
Soils			Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
Special Point Features		Water Features	
	Blowout		Streams and Canals
	Borrow Pit	Transportation	
	Clay Spot		Rails
	Closed Depression		Interstate Highways
	Gravel Pit		US Routes
	Gravelly Spot		Major Roads
	Landfill		Local Roads
	Lava Flow	Background	
	Marsh or swamp		Aerial Photography
	Mine or Quarry		
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

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: Monroe County, Pennsylvania
 Survey Area Data: Version 17, Sep 6, 2022

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

Date(s) aerial images were photographed: May 21, 2022—Jun 5, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BeC	Benson-Rock outcrop complex, 8 to 25 percent slopes	26.7	37.8%
BeF	Benson-Rock outcrop complex, 25 to 70 percent slopes	7.4	10.5%
BrA	Braceville gravelly loam, 0 to 3 percent slopes	0.2	0.2%
CmA	Chippewa and Norwich silt loams, 0 to 5 percent slopes	8.1	11.5%
MaB	Mardin channery silt loam, 3 to 8 percent slopes	3.0	4.3%
Ms	Mucky peat, shallow	9.7	13.7%
Sh	Sheffield silt loam	15.1	21.5%
W	Water	0.3	0.4%
Totals for Area of Interest		70.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor

Custom Soil Resource Report

components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Monroe County, Pennsylvania

BeC—Benson-Rock outcrop complex, 8 to 25 percent slopes

Map Unit Setting

National map unit symbol: 9y9c
Elevation: 90 to 2,460 feet
Mean annual precipitation: 28 to 70 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 105 to 180 days
Farmland classification: Not prime farmland

Map Unit Composition

Benson and similar soils: 60 percent
Rock outcrop: 20 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Benson

Setting

Landform: Hillslopes
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Loamy till

Typical profile

H1 - 0 to 8 inches: channery silt loam
H2 - 8 to 18 inches: very channery silt loam
H3 - 18 to 22 inches: unweathered bedrock

Properties and qualities

Slope: 8 to 25 percent
Depth to restrictive feature: 12 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: F101XY011NY - Shallow Till Upland
Hydric soil rating: No

Description of Rock Outcrop

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Volusia

Percent of map unit: 4 percent
Landform: Hills
Landform position (two-dimensional): Summit, footslope
Landform position (three-dimensional): Base slope, side slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Wyoming

Percent of map unit: 4 percent
Landform: Terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Mardin

Percent of map unit: 4 percent
Hydric soil rating: No

Chenango

Percent of map unit: 4 percent
Landform: Outwash terraces
Landform position (three-dimensional): Riser
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Hydric soil rating: No

Bath

Percent of map unit: 4 percent
Landform: Mountains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Upper third of mountainflank, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

BeF—Benson-Rock outcrop complex, 25 to 70 percent slopes

Map Unit Setting

National map unit symbol: 9y9d
Elevation: 90 to 1,800 feet
Mean annual precipitation: 28 to 51 inches

Custom Soil Resource Report

Mean annual air temperature: 40 to 55 degrees F
Frost-free period: 100 to 180 days
Farmland classification: Not prime farmland

Map Unit Composition

Benson and similar soils: 60 percent
Rock outcrop: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Benson

Setting

Landform: Hillslopes
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Loamy till

Typical profile

H1 - 0 to 8 inches: channery silt loam
H2 - 8 to 18 inches: very channery silt loam
H3 - 18 to 22 inches: unweathered bedrock

Properties and qualities

Slope: 25 to 70 percent
Depth to restrictive feature: 12 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: F101XY011NY - Shallow Till Upland
Hydric soil rating: No

Description of Rock Outcrop

Properties and qualities

Depth to restrictive feature: 0 inches to lithic bedrock

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydric soil rating: No

Minor Components

Bath

Percent of map unit: 8 percent

Custom Soil Resource Report

Landform: Mountains

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Upper third of mountainflank, side slope

Down-slope shape: Convex

Across-slope shape: Convex

Hydric soil rating: No

Wyoming

Percent of map unit: 7 percent

Landform: Terraces

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Riser

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

BrA—Braceville gravelly loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 9y9f

Elevation: 160 to 1,970 feet

Mean annual precipitation: 36 to 56 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 145 to 175 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Braceville and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Braceville

Setting

Landform: Outwash terraces

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Tread

Down-slope shape: Convex, linear

Across-slope shape: Concave, linear

Parent material: Coarse-loamy outwash

Typical profile

H1 - 0 to 3 inches: gravelly loam

H2 - 3 to 30 inches: gravelly silt loam

H3 - 30 to 55 inches: very gravelly loam

H4 - 55 to 60 inches: stratified sand and gravel

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 18 to 30 inches to fragipan

Custom Soil Resource Report

Drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: C
Ecological site: F140XY020NY - Dense Outwash
Hydric soil rating: No

Minor Components

Rexford, pd

Percent of map unit: 10 percent
Landform: Depressions
Hydric soil rating: Yes

CmA—Chippewa and Norwich silt loams, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2v32p
Elevation: 330 to 2,460 feet
Mean annual precipitation: 31 to 70 inches
Mean annual air temperature: 39 to 52 degrees F
Frost-free period: 105 to 180 days
Farmland classification: Not prime farmland

Map Unit Composition

Chippewa and similar soils: 41 percent
Norwich and similar soils: 39 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Chippewa

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy till dominated by siltstone, sandstone, and shale fragments

Typical profile

Ap - 0 to 7 inches: silt loam

Custom Soil Resource Report

Eg - 7 to 15 inches: channery silt loam
Bxg - 15 to 45 inches: channery silt loam
C - 45 to 72 inches: channery silt loam

Properties and qualities

Slope: 0 to 5 percent
Surface area covered with cobbles, stones or boulders: 0.0 percent
Depth to restrictive feature: 8 to 20 inches to fragipan
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: D
Ecological site: F140XY016NY - Mineral Wetlands
Hydric soil rating: Yes

Description of Norwich

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy till dominated by reddish sandstone, siltstone and shale fragments

Typical profile

A - 0 to 6 inches: silt loam
Eg - 6 to 10 inches: channery silt loam
Bg - 10 to 16 inches: channery silt loam
Bgx - 16 to 46 inches: channery silt loam
C - 46 to 72 inches: channery silt loam

Properties and qualities

Slope: 0 to 5 percent
Surface area covered with cobbles, stones or boulders: 0.0 percent
Depth to restrictive feature: 10 to 24 inches to fragipan
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 3.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w

Custom Soil Resource Report

Hydrologic Soil Group: D
Ecological site: F140XY016NY - Mineral Wetlands
Hydric soil rating: Yes

Minor Components

Volusia

Percent of map unit: 5 percent
Landform: Mountains, hills
Landform position (two-dimensional): Summit, footslope
Landform position (three-dimensional): Interfluve, base slope, side slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Chippewa, very poorly drained

Percent of map unit: 5 percent
Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Morris

Percent of map unit: 5 percent
Landform: Mountains, hills
Landform position (two-dimensional): Summit, footslope
Landform position (three-dimensional): Interfluve, base slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Norwich, very poorly drained

Percent of map unit: 5 percent
Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

MaB—Mardin channery silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2srhb
Elevation: 330 to 2,460 feet
Mean annual precipitation: 31 to 70 inches
Mean annual air temperature: 39 to 52 degrees F
Frost-free period: 105 to 180 days

Custom Soil Resource Report

Farmland classification: All areas are prime farmland

Map Unit Composition

Mardin and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mardin

Setting

Landform: Mountains, hills

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Interfluve, side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loamy till

Typical profile

Ap - 0 to 8 inches: channery silt loam

BE - 8 to 12 inches: channery silt loam

Bw1 - 12 to 16 inches: channery silt loam

Bw2 - 16 to 20 inches: channery silt loam

Bx1 - 20 to 36 inches: channery silt loam

Bx2 - 36 to 57 inches: channery silt loam

C - 57 to 72 inches: channery silt loam

Properties and qualities

Slope: 3 to 8 percent

Surface area covered with cobbles, stones or boulders: 0.0 percent

Depth to restrictive feature: 14 to 26 inches to fragipan

Drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)

Depth to water table: About 13 to 24 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: D

Ecological site: F140XY024NY - Moist Dense Till

Hydric soil rating: No

Minor Components

Volusia

Percent of map unit: 5 percent

Landform: Mountains, hills

Landform position (two-dimensional): Summit, footslope

Landform position (three-dimensional): Interfluve, base slope, side slope

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: No

Bath

Percent of map unit: 5 percent
Landform: Mountains, hills
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Interfluvium, side slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Lordstown

Percent of map unit: 5 percent
Landform: Hills, mountains
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Mountaintop, interfluvium, crest
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Ms—Mucky peat, shallow

Map Unit Setting

National map unit symbol: 9ycf
Elevation: 800 to 2,000 feet
Mean annual precipitation: 42 to 47 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 110 to 150 days
Farmland classification: Not prime farmland

Map Unit Composition

Paupack, mucky peat (shallow), and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Paupack, Mucky Peat (shallow)

Setting

Landform: Swamps
Parent material: Woody organic material over gravelly alluvium

Typical profile

Oe - 0 to 3 inches: mucky peat
Oa1 - 3 to 26 inches: muck
Oa2 - 26 to 36 inches: very stony muck
Cg - 36 to 70 inches: extremely stony sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Runoff class: Negligible

Custom Soil Resource Report

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.20 to 2.00 in/hr)

Depth to water table: About 0 to 6 inches

Frequency of flooding: None

Frequency of ponding: Frequent

Available water supply, 0 to 60 inches: Very high (about 17.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 5w

Hydrologic Soil Group: B/D

Ecological site: F140XY012PA - Organic Wetlands

Hydric soil rating: Yes

Sh—Sheffield silt loam

Map Unit Setting

National map unit symbol: 9ycv

Elevation: 920 to 1,090 feet

Mean annual precipitation: 34 to 44 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 133 to 182 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Sheffield and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Sheffield

Setting

Landform: Depressions on till plains

Landform position (two-dimensional): Summit, footslope

Landform position (three-dimensional): Interfluvium, head slope, base slope

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Till

Typical profile

H1 - 0 to 7 inches: silt loam

H2 - 7 to 19 inches: silty clay loam

H3 - 19 to 38 inches: silty clay loam

H4 - 38 to 66 inches: very channery silty clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 15 to 26 inches to fragipan; 48 to 99 inches to paralithic bedrock

Drainage class: Poorly drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Custom Soil Resource Report

Depth to water table: About 0 inches

Frequency of flooding: None

Frequency of ponding: Occasional

Available water supply, 0 to 60 inches: Low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: D

Ecological site: F140XY016NY - Mineral Wetlands

Hydric soil rating: Yes

W—Water

Map Unit Setting

National map unit symbol: 9ydz

Mean annual precipitation: 34 to 51 inches

Mean annual air temperature: 40 to 50 degrees F

Frost-free period: 100 to 160 days

Farmland classification: Not prime farmland

Map Unit Composition

Water: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

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Custom Soil Resource Report

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NOAA Atlas 14, Volume 2, Version 3
Location name: East Stroudsburg, Pennsylvania, USA*
Latitude: 41.0316°, Longitude: -75.1562°
Elevation: 503.2 ft**



* source: ESRI Maps
 ** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M. Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

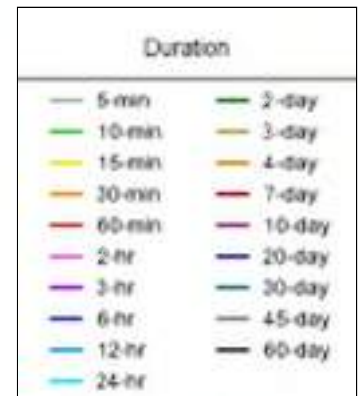
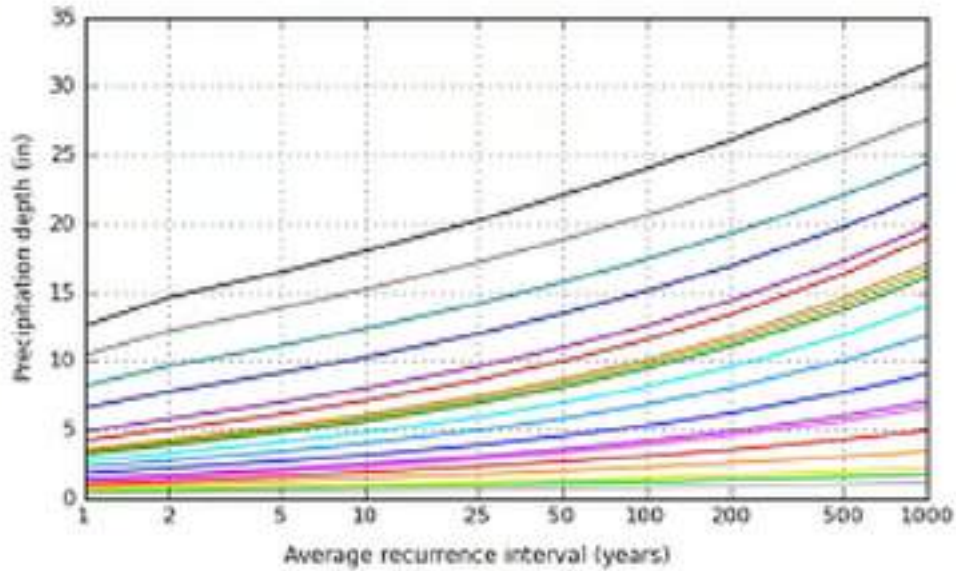
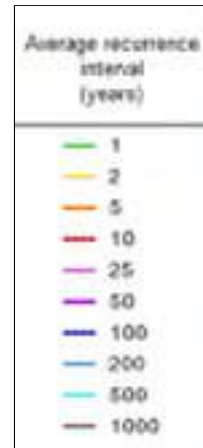
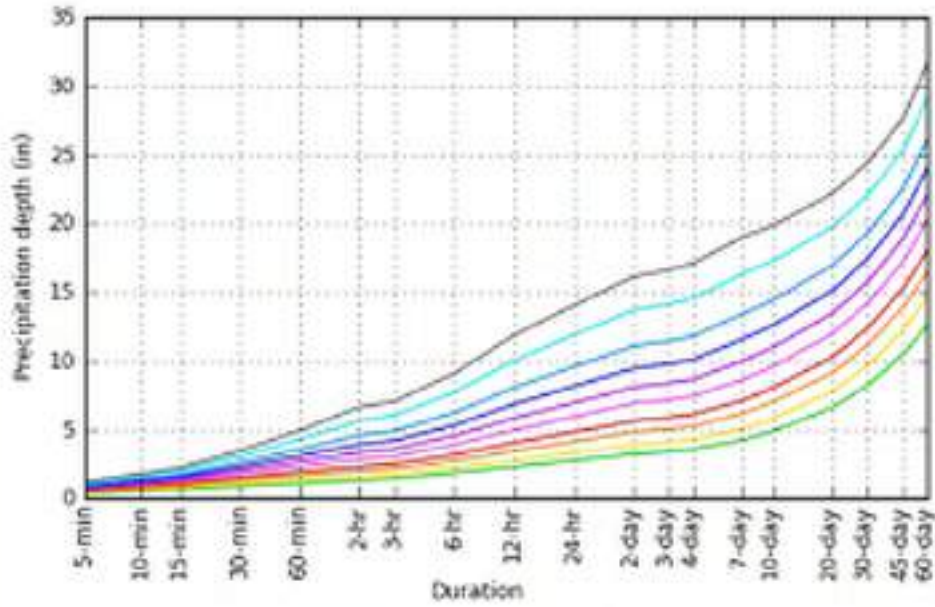
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.329 (0.293-0.369)	0.394 (0.350-0.442)	0.475 (0.421-0.533)	0.542 (0.478-0.606)	0.634 (0.555-0.709)	0.714 (0.620-0.798)	0.803 (0.689-0.899)	0.901 (0.765-1.01)	1.05 (0.878-1.19)	1.18 (0.970-1.35)
10-min	0.517 (0.460-0.580)	0.621 (0.552-0.697)	0.747 (0.662-0.839)	0.849 (0.750-0.950)	0.986 (0.862-1.10)	1.11 (0.959-1.24)	1.23 (1.06-1.38)	1.38 (1.17-1.55)	1.59 (1.33-1.80)	1.78 (1.46-2.03)
15-min	0.638 (0.568-0.716)	0.768 (0.683-0.863)	0.929 (0.823-1.04)	1.06 (0.933-1.18)	1.23 (1.08-1.38)	1.38 (1.20-1.55)	1.55 (1.33-1.73)	1.72 (1.46-1.94)	1.99 (1.66-2.26)	2.22 (1.83-2.54)
30-min	0.857 (0.763-0.962)	1.04 (0.926-1.17)	1.29 (1.15-1.45)	1.50 (1.32-1.67)	1.78 (1.55-1.99)	2.02 (1.75-2.26)	2.29 (1.96-2.56)	2.59 (2.19-2.91)	3.05 (2.54-3.45)	3.44 (2.83-3.93)
60-min	1.06 (0.941-1.19)	1.29 (1.15-1.45)	1.64 (1.45-1.84)	1.92 (1.70-2.15)	2.33 (2.04-2.61)	2.69 (2.34-3.01)	3.10 (2.66-3.47)	3.56 (3.02-4.00)	4.28 (3.57-4.84)	4.92 (4.04-5.61)
2-hr	1.28 (1.15-1.43)	1.56 (1.40-1.74)	1.97 (1.77-2.20)	2.32 (2.07-2.59)	2.85 (2.53-3.18)	3.34 (2.94-3.72)	3.91 (3.41-4.36)	4.57 (3.95-5.12)	5.64 (4.77-6.36)	6.62 (5.52-7.53)
3-hr	1.42 (1.29-1.58)	1.72 (1.56-1.91)	2.15 (1.94-2.38)	2.51 (2.26-2.78)	3.08 (2.74-3.41)	3.59 (3.17-3.98)	4.18 (3.65-4.65)	4.89 (4.21-5.45)	6.01 (5.08-6.75)	7.05 (5.87-7.98)
6-hr	1.85 (1.68-2.05)	2.22 (2.02-2.46)	2.73 (2.47-3.03)	3.18 (2.87-3.52)	3.89 (3.47-4.30)	4.54 (4.01-5.04)	5.31 (4.63-5.90)	6.22 (5.36-6.95)	7.70 (6.51-8.65)	9.08 (7.53-10.3)
12-hr	2.31 (2.09-2.56)	2.78 (2.52-3.09)	3.44 (3.12-3.82)	4.03 (3.62-4.47)	4.95 (4.41-5.49)	5.82 (5.12-6.46)	6.84 (5.94-7.60)	8.05 (6.90-8.98)	10.0 (8.42-11.2)	11.9 (9.78-13.4)
24-hr	2.75 (2.54-3.02)	3.31 (3.05-3.63)	4.11 (3.79-4.51)	4.82 (4.41-5.26)	5.92 (5.38-6.44)	6.94 (6.26-7.53)	8.15 (7.28-8.81)	9.57 (8.45-10.3)	11.9 (10.3-12.8)	14.0 (12.0-15.0)
2-day	3.24 (2.99-3.54)	3.88 (3.60-4.25)	4.81 (4.45-5.27)	5.63 (5.17-6.14)	6.90 (6.30-7.51)	8.07 (7.31-8.76)	9.45 (8.47-10.2)	11.1 (9.81-12.0)	13.7 (11.9-14.8)	16.1 (13.9-17.4)
3-day	3.40 (3.15-3.71)	4.08 (3.78-4.45)	5.03 (4.65-5.48)	5.86 (5.40-6.37)	7.17 (6.56-7.76)	8.37 (7.60-9.05)	9.77 (8.80-10.5)	11.4 (10.2-12.3)	14.1 (12.4-15.2)	16.6 (14.4-17.8)
4-day	3.57 (3.31-3.87)	4.27 (3.96-4.64)	5.24 (4.86-5.69)	6.10 (5.64-6.60)	7.44 (6.83-8.02)	8.67 (7.90-9.33)	10.1 (9.12-10.8)	11.8 (10.6-12.6)	14.5 (12.8-15.6)	17.1 (14.9-18.3)
7-day	4.22 (3.92-4.58)	5.04 (4.68-5.48)	6.15 (5.70-6.68)	7.11 (6.57-7.71)	8.61 (7.91-9.30)	9.98 (9.11-10.8)	11.6 (10.5-12.4)	13.4 (12.0-14.4)	16.3 (14.4-17.5)	19.0 (16.6-20.3)
10-day	4.88 (4.54-5.27)	5.80 (5.41-6.27)	7.00 (6.51-7.55)	8.02 (7.44-8.64)	9.58 (8.85-10.3)	11.0 (10.1-11.8)	12.6 (11.5-13.5)	14.4 (13.0-15.4)	17.3 (15.4-18.4)	19.8 (17.6-21.2)
20-day	6.59 (6.21-7.06)	7.78 (7.33-8.33)	9.13 (8.59-9.77)	10.3 (9.64-11.0)	12.0 (11.2-12.8)	13.4 (12.5-14.3)	15.1 (14.0-16.1)	16.9 (15.6-18.0)	19.7 (18.0-21.0)	22.2 (20.0-23.6)
30-day	8.21 (7.75-8.73)	9.64 (9.10-10.2)	11.1 (10.5-11.8)	12.4 (11.6-13.1)	14.2 (13.3-15.0)	15.7 (14.7-16.6)	17.4 (16.2-18.4)	19.3 (17.9-20.4)	22.0 (20.3-23.3)	24.4 (22.3-25.8)
45-day	10.4 (9.93-11.0)	12.2 (11.6-12.9)	13.8 (13.2-14.6)	15.2 (14.4-16.1)	17.2 (16.3-18.1)	18.8 (17.8-19.9)	20.6 (19.4-21.7)	22.5 (21.1-23.8)	25.3 (23.5-26.7)	27.6 (25.6-29.2)
60-day	12.6 (12.0-13.2)	14.6 (13.9-15.4)	16.5 (15.7-17.3)	18.0 (17.1-18.9)	20.2 (19.2-21.2)	22.0 (20.9-23.1)	24.0 (22.7-25.2)	26.1 (24.6-27.4)	29.1 (27.2-30.6)	31.6 (29.4-33.2)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

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PF graphical

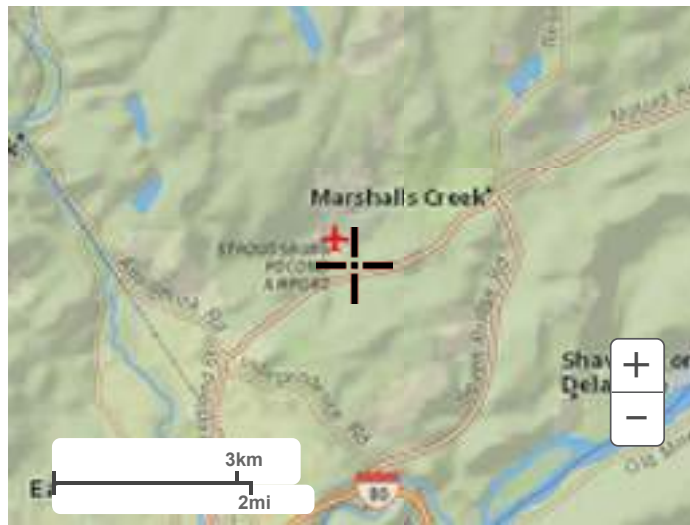
PDS-based depth-duration-frequency (DDF) curves
Latitude: 41.0316°, Longitude: -75.1562°



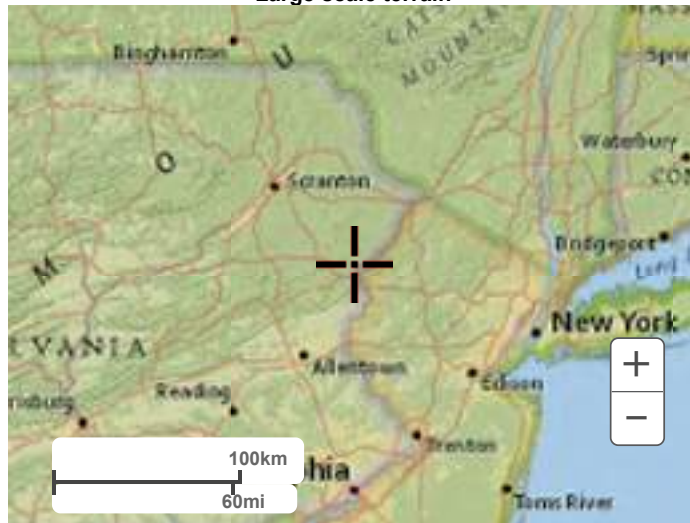
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Maps & aerials

Small scale terrain



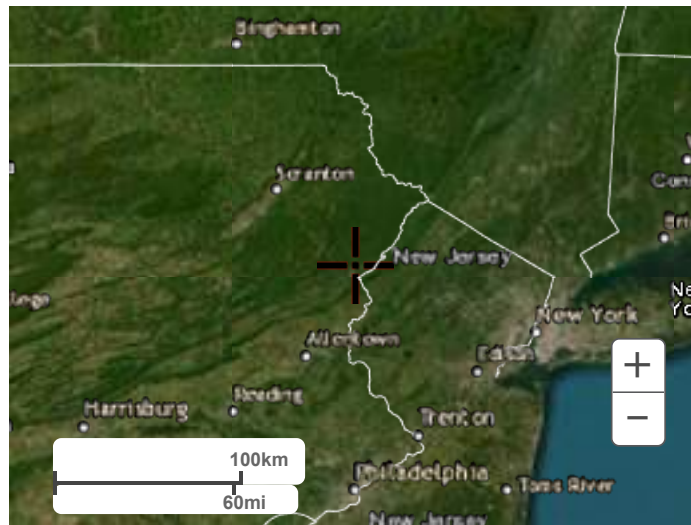
Large scale terrain



Large scale map



Large scale aerial



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1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

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NOAA Atlas 14, Volume 2, Version 3
Location name: East Stroudsburg, Pennsylvania,
USA*
Latitude: 41.0316°, Longitude: -75.1562°
Elevation: 503.2 ft**



* source: ESRI Maps
 ** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M. Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

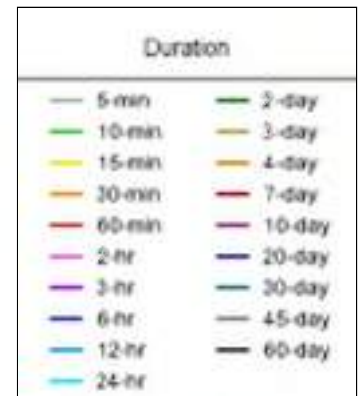
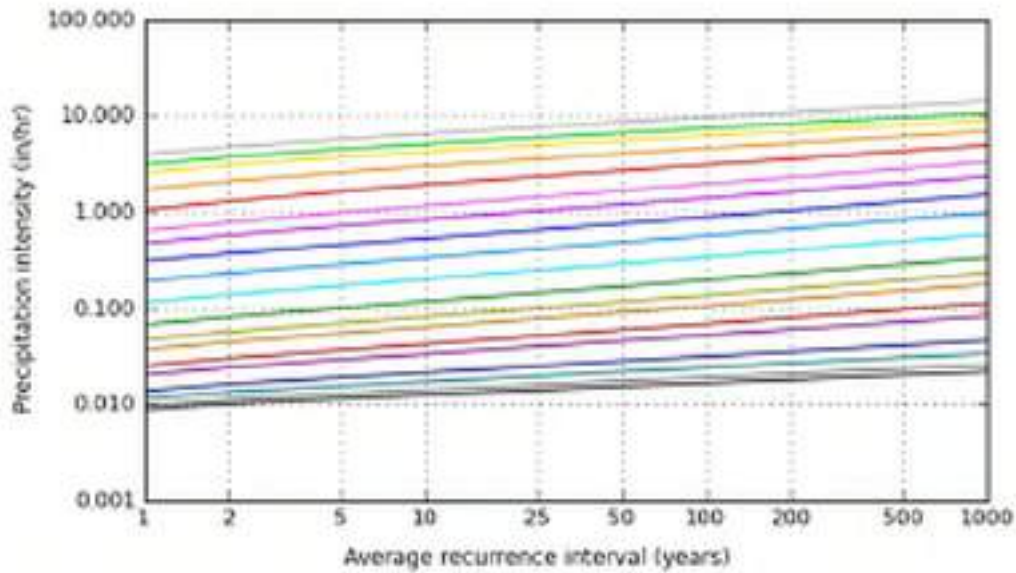
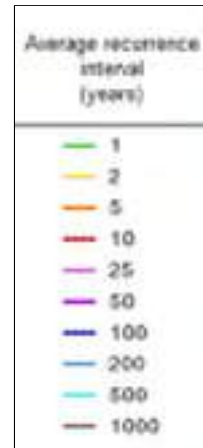
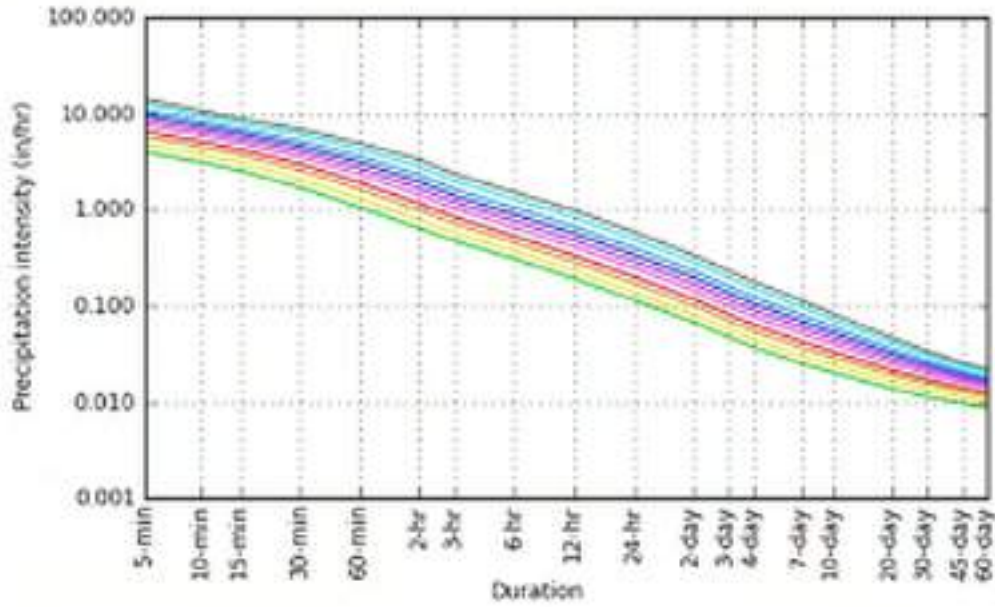
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	3.95 (3.52-4.43)	4.73 (4.20-5.30)	5.70 (5.05-6.40)	6.50 (5.74-7.27)	7.61 (6.66-8.51)	8.57 (7.44-9.58)	9.64 (8.27-10.8)	10.8 (9.18-12.2)	12.6 (10.5-14.3)	14.2 (11.6-16.2)
10-min	3.10 (2.76-3.48)	3.73 (3.31-4.18)	4.48 (3.97-5.03)	5.09 (4.50-5.70)	5.92 (5.17-6.61)	6.63 (5.75-7.41)	7.40 (6.35-8.29)	8.27 (7.02-9.30)	9.55 (7.97-10.8)	10.7 (8.75-12.2)
15-min	2.55 (2.27-2.86)	3.07 (2.73-3.45)	3.72 (3.29-4.17)	4.23 (3.73-4.73)	4.94 (4.32-5.52)	5.53 (4.80-6.18)	6.18 (5.31-6.93)	6.90 (5.85-7.75)	7.97 (6.66-9.03)	8.90 (7.31-10.1)
30-min	1.71 (1.53-1.92)	2.08 (1.85-2.34)	2.58 (2.29-2.90)	2.99 (2.64-3.34)	3.55 (3.11-3.97)	4.04 (3.51-4.52)	4.57 (3.93-5.12)	5.17 (4.39-5.81)	6.09 (5.08-6.90)	6.89 (5.66-7.85)
60-min	1.06 (0.941-1.19)	1.29 (1.15-1.45)	1.64 (1.45-1.84)	1.92 (1.70-2.15)	2.33 (2.04-2.61)	2.69 (2.34-3.01)	3.10 (2.66-3.47)	3.56 (3.02-4.00)	4.28 (3.57-4.84)	4.92 (4.04-5.61)
2-hr	0.639 (0.574-0.712)	0.778 (0.702-0.870)	0.986 (0.886-1.10)	1.16 (1.04-1.29)	1.43 (1.26-1.59)	1.67 (1.47-1.86)	1.95 (1.70-2.18)	2.29 (1.97-2.56)	2.82 (2.39-3.18)	3.31 (2.76-3.76)
3-hr	0.474 (0.428-0.526)	0.573 (0.518-0.637)	0.716 (0.646-0.794)	0.836 (0.752-0.927)	1.02 (0.913-1.13)	1.20 (1.06-1.33)	1.39 (1.22-1.55)	1.63 (1.40-1.82)	2.00 (1.69-2.25)	2.35 (1.95-2.66)
6-hr	0.308 (0.280-0.343)	0.371 (0.337-0.411)	0.456 (0.413-0.506)	0.530 (0.479-0.588)	0.649 (0.580-0.718)	0.758 (0.670-0.841)	0.886 (0.774-0.985)	1.04 (0.896-1.16)	1.29 (1.09-1.45)	1.52 (1.26-1.71)
12-hr	0.191 (0.174-0.212)	0.231 (0.209-0.256)	0.286 (0.259-0.317)	0.334 (0.301-0.371)	0.411 (0.366-0.456)	0.483 (0.425-0.536)	0.567 (0.493-0.631)	0.668 (0.573-0.746)	0.831 (0.699-0.934)	0.984 (0.811-1.11)
24-hr	0.115 (0.106-0.126)	0.138 (0.127-0.151)	0.171 (0.158-0.188)	0.201 (0.184-0.219)	0.247 (0.224-0.268)	0.289 (0.261-0.314)	0.339 (0.303-0.367)	0.399 (0.352-0.430)	0.495 (0.430-0.532)	0.584 (0.500-0.626)
2-day	0.067 (0.062-0.074)	0.081 (0.075-0.089)	0.100 (0.093-0.110)	0.117 (0.108-0.128)	0.144 (0.131-0.156)	0.168 (0.152-0.183)	0.197 (0.176-0.213)	0.231 (0.204-0.249)	0.285 (0.249-0.307)	0.336 (0.289-0.361)
3-day	0.047 (0.044-0.051)	0.057 (0.052-0.062)	0.070 (0.065-0.076)	0.081 (0.075-0.088)	0.100 (0.091-0.108)	0.116 (0.106-0.126)	0.136 (0.122-0.146)	0.159 (0.141-0.171)	0.196 (0.172-0.210)	0.231 (0.200-0.247)
4-day	0.037 (0.034-0.040)	0.044 (0.041-0.048)	0.055 (0.051-0.059)	0.064 (0.059-0.069)	0.078 (0.071-0.084)	0.090 (0.082-0.097)	0.105 (0.095-0.113)	0.123 (0.110-0.132)	0.151 (0.134-0.162)	0.178 (0.155-0.190)
7-day	0.025 (0.023-0.027)	0.030 (0.028-0.033)	0.037 (0.034-0.040)	0.042 (0.039-0.046)	0.051 (0.047-0.055)	0.059 (0.054-0.064)	0.069 (0.062-0.074)	0.080 (0.072-0.086)	0.097 (0.086-0.104)	0.113 (0.099-0.121)
10-day	0.020 (0.019-0.022)	0.024 (0.023-0.026)	0.029 (0.027-0.031)	0.033 (0.031-0.036)	0.040 (0.037-0.043)	0.046 (0.042-0.049)	0.052 (0.048-0.056)	0.060 (0.054-0.064)	0.072 (0.064-0.077)	0.083 (0.073-0.088)
20-day	0.014 (0.013-0.015)	0.016 (0.015-0.017)	0.019 (0.018-0.020)	0.021 (0.020-0.023)	0.025 (0.023-0.027)	0.028 (0.026-0.030)	0.031 (0.029-0.033)	0.035 (0.032-0.038)	0.041 (0.037-0.044)	0.046 (0.042-0.049)
30-day	0.011 (0.011-0.012)	0.013 (0.013-0.014)	0.015 (0.015-0.016)	0.017 (0.016-0.018)	0.020 (0.018-0.021)	0.022 (0.020-0.023)	0.024 (0.022-0.026)	0.027 (0.025-0.028)	0.031 (0.028-0.032)	0.034 (0.031-0.036)
45-day	0.010 (0.009-0.010)	0.011 (0.011-0.012)	0.013 (0.012-0.014)	0.014 (0.013-0.015)	0.016 (0.015-0.017)	0.017 (0.016-0.018)	0.019 (0.018-0.020)	0.021 (0.020-0.022)	0.023 (0.022-0.025)	0.026 (0.024-0.027)
60-day	0.009 (0.008-0.009)	0.010 (0.010-0.011)	0.011 (0.011-0.012)	0.013 (0.012-0.013)	0.014 (0.013-0.015)	0.015 (0.015-0.016)	0.017 (0.016-0.017)	0.018 (0.017-0.019)	0.020 (0.019-0.021)	0.022 (0.020-0.023)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

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PF graphical

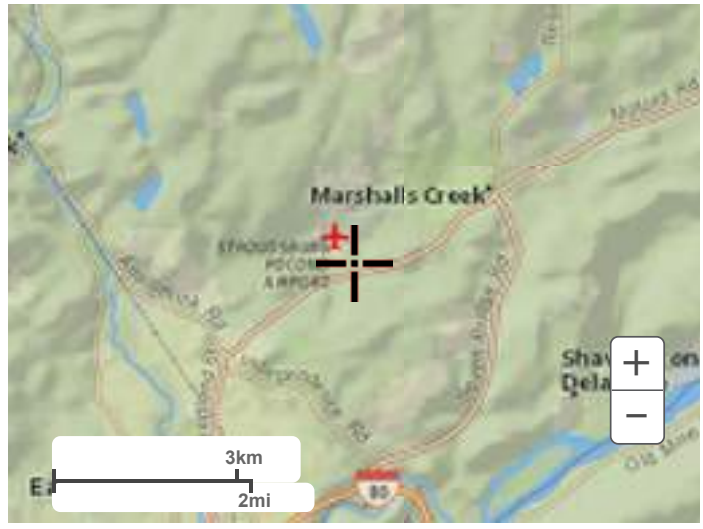
PDS-based intensity-duration-frequency (IDF) curves
Latitude: 41.0316°, Longitude: -75.1562°



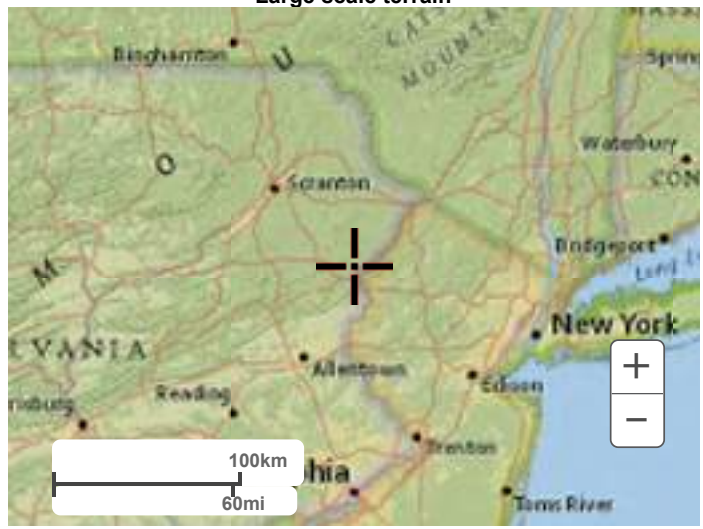
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Maps & aerials

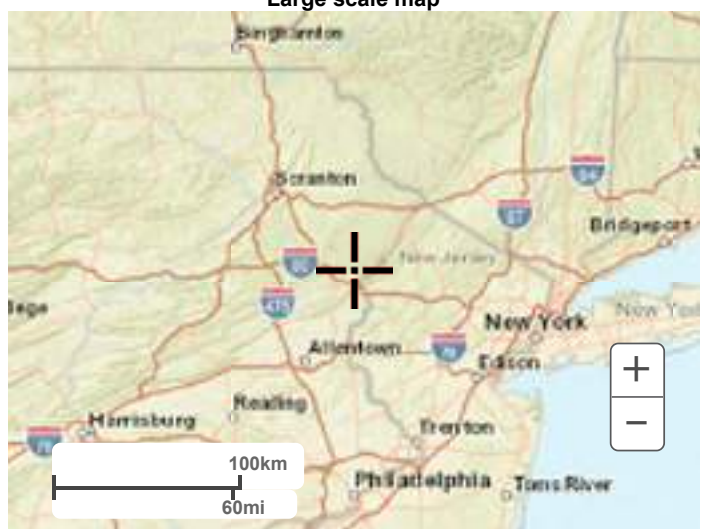
Small scale terrain



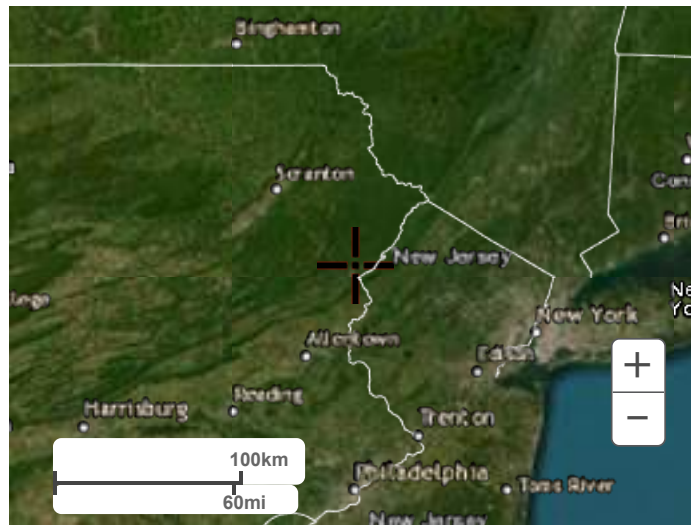
Large scale terrain



Large scale map



Large scale aerial



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Appendix B

Stormwater Management Rate Calculations

Pre-Development Conditions

Project Summary

Title	Magick Cauldron
Engineer	RNR
Company	Colliers Engineering & Design
Date	12/15/2022

Notes

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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 (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)
DA-1	Pre-Development 1-Year Storm	1	5,402.000	11.950	2.23
DA-1	Pre-Development 2-Year Storm	2	7,587.000	11.950	3.15
DA-1	Pre-Development 5-Year Storm	5	0.000	0.000	0.00
DA-1	Pre-Development 10-Year Storm	10	14,302.000	11.950	5.91
DA-1	Pre-Development 25-Year Storm	25	19,539.000	11.900	8.08
DA-1	Pre-Development 50-Year Storm	50	24,566.000	11.900	10.13
DA-1	Pre-Development 100-Year Storm	100	30,673.000	11.900	12.59

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Outfall-Pre	Pre-Development 1-Year Storm	1	5,402.000	11.950	2.23
Outfall-Pre	Pre-Development 2-Year Storm	2	7,587.000	11.950	3.15
Outfall-Pre	Pre-Development 5-Year Storm	5	0.000	0.000	0.00
Outfall-Pre	Pre-Development 10-Year Storm	10	14,302.000	11.950	5.91
Outfall-Pre	Pre-Development 25-Year Storm	25	19,539.000	11.900	8.08
Outfall-Pre	Pre-Development 50-Year Storm	50	24,566.000	11.900	10.13
Outfall-Pre	Pre-Development 100-Year Storm	100	30,673.000	11.900	12.59

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Pre-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Time-Depth Curve: 100-YR

Label	100-YR
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	0.2	0.2	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.3	0.3
3.000	0.3	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.4	0.4	0.4
4.000	0.4	0.4	0.4	0.4	0.4
4.500	0.5	0.5	0.5	0.5	0.5
5.000	0.5	0.5	0.5	0.6	0.6
5.500	0.6	0.6	0.6	0.6	0.6
6.000	0.7	0.7	0.7	0.7	0.7
6.500	0.7	0.7	0.8	0.8	0.8
7.000	0.8	0.8	0.8	0.9	0.9
7.500	0.9	0.9	0.9	0.9	1.0
8.000	1.0	1.0	1.0	1.0	1.1
8.500	1.1	1.1	1.1	1.1	1.2
9.000	1.2	1.2	1.3	1.3	1.3
9.500	1.3	1.4	1.4	1.4	1.4
10.000	1.5	1.5	1.5	1.6	1.6
10.500	1.7	1.7	1.8	1.8	1.9
11.000	1.9	2.0	2.0	2.1	2.2
11.500	2.3	2.5	2.9	3.5	4.6
12.000	5.4	5.6	5.7	5.8	5.9
12.500	6.0	6.1	6.1	6.2	6.2
13.000	6.3	6.3	6.4	6.4	6.5
13.500	6.5	6.5	6.6	6.6	6.7
14.000	6.7	6.7	6.7	6.8	6.8
14.500	6.8	6.9	6.9	6.9	6.9
15.000	7.0	7.0	7.0	7.0	7.0
15.500	7.1	7.1	7.1	7.1	7.2
16.000	7.2	7.2	7.2	7.2	7.2
16.500	7.3	7.3	7.3	7.3	7.3
17.000	7.3	7.4	7.4	7.4	7.4
17.500	7.4	7.4	7.5	7.5	7.5
18.000	7.5	7.5	7.5	7.5	7.6
18.500	7.6	7.6	7.6	7.6	7.6

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 100 years

Label: Monroe County, PA

Storm Event: 100-YR

Scenario: Pre-Development 100-Year Storm

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)
19.000	7.6	7.7	7.7	7.7	7.7
19.500	7.7	7.7	7.7	7.7	7.7
20.000	7.8	7.8	7.8	7.8	7.8
20.500	7.8	7.8	7.8	7.8	7.9
21.000	7.9	7.9	7.9	7.9	7.9
21.500	7.9	7.9	7.9	7.9	8.0
22.000	8.0	8.0	8.0	8.0	8.0
22.500	8.0	8.0	8.0	8.0	8.0
23.000	8.1	8.1	8.1	8.1	8.1
23.500	8.1	8.1	8.1	8.1	8.1
24.000	8.2	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 10 years

Label: Monroe County, PA

Storm Event: 10-YR

Scenario: Pre-Development 10-Year Storm

Time-Depth Curve: 10-YR

Label	10-YR
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	0.0
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	0.1	0.1	0.1	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	0.2
4.000	0.2	0.2	0.2	0.3	0.3
4.500	0.3	0.3	0.3	0.3	0.3
5.000	0.3	0.3	0.3	0.3	0.3
5.500	0.3	0.4	0.4	0.4	0.4
6.000	0.4	0.4	0.4	0.4	0.4
6.500	0.4	0.4	0.4	0.5	0.5
7.000	0.5	0.5	0.5	0.5	0.5
7.500	0.5	0.5	0.5	0.6	0.6
8.000	0.6	0.6	0.6	0.6	0.6
8.500	0.6	0.7	0.7	0.7	0.7
9.000	0.7	0.7	0.7	0.8	0.8
9.500	0.8	0.8	0.8	0.8	0.9
10.000	0.9	0.9	0.9	0.9	1.0
10.500	1.0	1.0	1.0	1.1	1.1
11.000	1.1	1.2	1.2	1.3	1.3
11.500	1.4	1.5	1.7	2.1	2.7
12.000	3.2	3.3	3.4	3.4	3.5
12.500	3.5	3.6	3.6	3.7	3.7
13.000	3.7	3.7	3.8	3.8	3.8
13.500	3.9	3.9	3.9	3.9	3.9
14.000	4.0	4.0	4.0	4.0	4.0
14.500	4.0	4.1	4.1	4.1	4.1
15.000	4.1	4.1	4.1	4.2	4.2
15.500	4.2	4.2	4.2	4.2	4.2
16.000	4.2	4.3	4.3	4.3	4.3
16.500	4.3	4.3	4.3	4.3	4.3
17.000	4.3	4.4	4.4	4.4	4.4
17.500	4.4	4.4	4.4	4.4	4.4
18.000	4.4	4.4	4.5	4.5	4.5
18.500	4.5	4.5	4.5	4.5	4.5

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Pre-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

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)
19.000	4.5	4.5	4.5	4.5	4.5
19.500	4.6	4.6	4.6	4.6	4.6
20.000	4.6	4.6	4.6	4.6	4.6
20.500	4.6	4.6	4.6	4.6	4.6
21.000	4.7	4.7	4.7	4.7	4.7
21.500	4.7	4.7	4.7	4.7	4.7
22.000	4.7	4.7	4.7	4.7	4.7
22.500	4.7	4.7	4.7	4.8	4.8
23.000	4.8	4.8	4.8	4.8	4.8
23.500	4.8	4.8	4.8	4.8	4.8
24.000	4.8	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Pre-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time-Depth Curve: 1-YR

Label	1-YR
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	1 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	0.0	0.0	0.0
1.500	0.0	0.0	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	0.1
3.500	0.1	0.1	0.1	0.1	0.1
4.000	0.1	0.1	0.1	0.1	0.1
4.500	0.2	0.2	0.2	0.2	0.2
5.000	0.2	0.2	0.2	0.2	0.2
5.500	0.2	0.2	0.2	0.2	0.2
6.000	0.2	0.2	0.2	0.2	0.2
6.500	0.2	0.3	0.3	0.3	0.3
7.000	0.3	0.3	0.3	0.3	0.3
7.500	0.3	0.3	0.3	0.3	0.3
8.000	0.3	0.3	0.3	0.3	0.4
8.500	0.4	0.4	0.4	0.4	0.4
9.000	0.4	0.4	0.4	0.4	0.4
9.500	0.4	0.5	0.5	0.5	0.5
10.000	0.5	0.5	0.5	0.5	0.5
10.500	0.6	0.6	0.6	0.6	0.6
11.000	0.6	0.7	0.7	0.7	0.7
11.500	0.8	0.8	1.0	1.2	1.6
12.000	1.8	1.9	1.9	2.0	2.0
12.500	2.0	2.0	2.1	2.1	2.1
13.000	2.1	2.1	2.2	2.2	2.2
13.500	2.2	2.2	2.2	2.2	2.2
14.000	2.3	2.3	2.3	2.3	2.3
14.500	2.3	2.3	2.3	2.3	2.3
15.000	2.3	2.4	2.4	2.4	2.4
15.500	2.4	2.4	2.4	2.4	2.4
16.000	2.4	2.4	2.4	2.4	2.4
16.500	2.5	2.5	2.5	2.5	2.5
17.000	2.5	2.5	2.5	2.5	2.5
17.500	2.5	2.5	2.5	2.5	2.5
18.000	2.5	2.5	2.5	2.5	2.6
18.500	2.6	2.6	2.6	2.6	2.6

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Pre-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

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)
19.000	2.6	2.6	2.6	2.6	2.6
19.500	2.6	2.6	2.6	2.6	2.6
20.000	2.6	2.6	2.6	2.6	2.6
20.500	2.6	2.6	2.6	2.6	2.6
21.000	2.7	2.7	2.7	2.7	2.7
21.500	2.7	2.7	2.7	2.7	2.7
22.000	2.7	2.7	2.7	2.7	2.7
22.500	2.7	2.7	2.7	2.7	2.7
23.000	2.7	2.7	2.7	2.7	2.7
23.500	2.7	2.7	2.7	2.7	2.7
24.000	2.8	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 25 years

Label: Monroe County, PA

Storm Event: 25-YR

Scenario: Pre-Development 25-Year Storm

Time-Depth Curve: 25-YR

Label	25-YR
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	0.0	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	0.2	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	0.2	0.3	0.3	0.3	0.3
4.000	0.3	0.3	0.3	0.3	0.3
4.500	0.3	0.3	0.3	0.4	0.4
5.000	0.4	0.4	0.4	0.4	0.4
5.500	0.4	0.4	0.4	0.5	0.5
6.000	0.5	0.5	0.5	0.5	0.5
6.500	0.5	0.5	0.6	0.6	0.6
7.000	0.6	0.6	0.6	0.6	0.6
7.500	0.6	0.7	0.7	0.7	0.7
8.000	0.7	0.7	0.7	0.8	0.8
8.500	0.8	0.8	0.8	0.8	0.9
9.000	0.9	0.9	0.9	0.9	0.9
9.500	1.0	1.0	1.0	1.0	1.0
10.000	1.1	1.1	1.1	1.1	1.2
10.500	1.2	1.2	1.3	1.3	1.3
11.000	1.4	1.4	1.5	1.5	1.6
11.500	1.7	1.8	2.1	2.6	3.4
12.000	3.9	4.0	4.1	4.2	4.3
12.500	4.4	4.4	4.4	4.5	4.5
13.000	4.6	4.6	4.6	4.7	4.7
13.500	4.7	4.8	4.8	4.8	4.8
14.000	4.9	4.9	4.9	4.9	4.9
14.500	5.0	5.0	5.0	5.0	5.0
15.000	5.1	5.1	5.1	5.1	5.1
15.500	5.1	5.2	5.2	5.2	5.2
16.000	5.2	5.2	5.2	5.2	5.3
16.500	5.3	5.3	5.3	5.3	5.3
17.000	5.3	5.4	5.4	5.4	5.4
17.500	5.4	5.4	5.4	5.4	5.4
18.000	5.5	5.5	5.5	5.5	5.5
18.500	5.5	5.5	5.5	5.5	5.5

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 25 years

Label: Monroe County, PA

Storm Event: 25-YR

Scenario: Pre-Development 25-Year Storm

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)
19.000	5.6	5.6	5.6	5.6	5.6
19.500	5.6	5.6	5.6	5.6	5.6
20.000	5.6	5.6	5.7	5.7	5.7
20.500	5.7	5.7	5.7	5.7	5.7
21.000	5.7	5.7	5.7	5.7	5.7
21.500	5.7	5.8	5.8	5.8	5.8
22.000	5.8	5.8	5.8	5.8	5.8
22.500	5.8	5.8	5.8	5.8	5.8
23.000	5.9	5.9	5.9	5.9	5.9
23.500	5.9	5.9	5.9	5.9	5.9
24.000	5.9	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Pre-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Time-Depth Curve: 2-YR

Label	2-YR
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	0.0	0.0	0.0
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	0.1
3.500	0.1	0.1	0.1	0.1	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	0.2	0.2	0.2	0.2
5.500	0.2	0.2	0.2	0.3	0.3
6.000	0.3	0.3	0.3	0.3	0.3
6.500	0.3	0.3	0.3	0.3	0.3
7.000	0.3	0.3	0.3	0.3	0.4
7.500	0.4	0.4	0.4	0.4	0.4
8.000	0.4	0.4	0.4	0.4	0.4
8.500	0.4	0.4	0.5	0.5	0.5
9.000	0.5	0.5	0.5	0.5	0.5
9.500	0.5	0.5	0.6	0.6	0.6
10.000	0.6	0.6	0.6	0.6	0.7
10.500	0.7	0.7	0.7	0.7	0.8
11.000	0.8	0.8	0.8	0.9	0.9
11.500	0.9	1.0	1.2	1.4	1.9
12.000	2.2	2.3	2.3	2.4	2.4
12.500	2.4	2.5	2.5	2.5	2.5
13.000	2.5	2.6	2.6	2.6	2.6
13.500	2.6	2.7	2.7	2.7	2.7
14.000	2.7	2.7	2.7	2.7	2.8
14.500	2.8	2.8	2.8	2.8	2.8
15.000	2.8	2.8	2.8	2.8	2.9
15.500	2.9	2.9	2.9	2.9	2.9
16.000	2.9	2.9	2.9	2.9	2.9
16.500	2.9	2.9	3.0	3.0	3.0
17.000	3.0	3.0	3.0	3.0	3.0
17.500	3.0	3.0	3.0	3.0	3.0
18.000	3.0	3.0	3.1	3.1	3.1
18.500	3.1	3.1	3.1	3.1	3.1

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Pre-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

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)
19.000	3.1	3.1	3.1	3.1	3.1
19.500	3.1	3.1	3.1	3.1	3.1
20.000	3.1	3.1	3.2	3.2	3.2
20.500	3.2	3.2	3.2	3.2	3.2
21.000	3.2	3.2	3.2	3.2	3.2
21.500	3.2	3.2	3.2	3.2	3.2
22.000	3.2	3.2	3.2	3.2	3.2
22.500	3.2	3.2	3.3	3.3	3.3
23.000	3.3	3.3	3.3	3.3	3.3
23.500	3.3	3.3	3.3	3.3	3.3
24.000	3.3	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 50 years

Label: Monroe County, PA

Storm Event: 50-YR

Scenario: Pre-Development 50-Year Storm

Time-Depth Curve: 50-YR

Label	50-YR
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	0.1
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	0.2	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.3	0.4	0.4	0.4
4.500	0.4	0.4	0.4	0.4	0.4
5.000	0.4	0.4	0.5	0.5	0.5
5.500	0.5	0.5	0.5	0.5	0.5
6.000	0.6	0.6	0.6	0.6	0.6
6.500	0.6	0.6	0.6	0.7	0.7
7.000	0.7	0.7	0.7	0.7	0.7
7.500	0.8	0.8	0.8	0.8	0.8
8.000	0.8	0.8	0.9	0.9	0.9
8.500	0.9	0.9	1.0	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	1.2
10.000	1.3	1.3	1.3	1.3	1.4
10.500	1.4	1.5	1.5	1.5	1.6
11.000	1.6	1.7	1.7	1.8	1.9
11.500	2.0	2.1	2.5	3.0	3.9
12.000	4.6	4.7	4.8	4.9	5.0
12.500	5.1	5.2	5.2	5.3	5.3
13.000	5.4	5.4	5.4	5.5	5.5
13.500	5.5	5.6	5.6	5.6	5.7
14.000	5.7	5.7	5.7	5.8	5.8
14.500	5.8	5.8	5.9	5.9	5.9
15.000	5.9	5.9	6.0	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
16.500	6.2	6.2	6.2	6.2	6.2
17.000	6.3	6.3	6.3	6.3	6.3
17.500	6.3	6.3	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

Pre-Development Conditions

Subsection: Time-Depth Curve

Return Event: 50 years

Label: Monroe County, PA

Storm Event: 50-YR

Scenario: Pre-Development 50-Year Storm

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)
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	6.7	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	6.8	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	6.9
23.000	6.9	6.9	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: Monroe County, PA

Scenario: Pre-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Time-Depth Curve: 5-YR

Label	5-YR
Start Time	0.000 hours
Increment	0.100 hours
End Time	-0.100 hours
Return Event	5 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	0.2	0.2	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	0.3
5.000	0.3	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	0.4	0.4
6.500	0.4	0.4	0.4	0.4	0.4
7.000	0.4	0.4	0.4	0.4	0.4
7.500	0.4	0.5	0.5	0.5	0.5
8.000	0.5	0.5	0.5	0.5	0.5
8.500	0.5	0.6	0.6	0.6	0.6
9.000	0.6	0.6	0.6	0.6	0.7
9.500	0.7	0.7	0.7	0.7	0.7
10.000	0.7	0.8	0.8	0.8	0.8
10.500	0.8	0.9	0.9	0.9	0.9
11.000	1.0	1.0	1.0	1.1	1.1
11.500	1.2	1.3	1.5	1.8	2.3
12.000	2.7	2.8	2.9	2.9	3.0
12.500	3.0	3.1	3.1	3.1	3.1
13.000	3.2	3.2	3.2	3.2	3.3
13.500	3.3	3.3	3.3	3.3	3.4
14.000	3.4	3.4	3.4	3.4	3.4
14.500	3.4	3.5	3.5	3.5	3.5
15.000	3.5	3.5	3.5	3.5	3.6
15.500	3.6	3.6	3.6	3.6	3.6
16.000	3.6	3.6	3.6	3.6	3.7
16.500	3.7	3.7	3.7	3.7	3.7
17.000	3.7	3.7	3.7	3.7	3.7
17.500	3.7	3.8	3.8	3.8	3.8
18.000	3.8	3.8	3.8	3.8	3.8
18.500	3.8	3.8	3.8	3.8	3.8

Pre-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Pre-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

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)
19.000	3.9	3.9	3.9	3.9	3.9
19.500	3.9	3.9	3.9	3.9	3.9
20.000	3.9	3.9	3.9	3.9	3.9
20.500	3.9	3.9	3.9	4.0	4.0
21.000	4.0	4.0	4.0	4.0	4.0
21.500	4.0	4.0	4.0	4.0	4.0
22.000	4.0	4.0	4.0	4.0	4.0
22.500	4.0	4.0	4.0	4.1	4.1
23.000	4.1	4.1	4.1	4.1	4.1
23.500	4.1	4.1	4.1	4.1	4.1
24.000	4.1	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-1

Scenario: Pre-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	100.00 ft
Manning's n	0.400
Slope	0.792 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	0.34 ft/s
Segment Time of Concentration	0.081 hours

Segment #2: TR-55 Shallow Concentrated Flow	
Hydraulic Length	49.10 ft
Is Paved?	False
Slope	0.088 ft/ft
Average Velocity	4.77 ft/s
Segment Time of Concentration	0.003 hours

Segment #3: TR-55 Shallow Concentrated Flow	
Hydraulic Length	9.63 ft
Is Paved?	False
Slope	0.093 ft/ft
Average Velocity	4.93 ft/s
Segment Time of Concentration	0.001 hours

Segment #4: TR-55 Shallow Concentrated Flow	
Hydraulic Length	26.09 ft
Is Paved?	False
Slope	0.111 ft/ft
Average Velocity	5.38 ft/s
Segment Time of Concentration	0.001 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.086 hours

Pre-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-1

Scenario: Pre-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

==== SCS Channel Flow

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

Where:

$(L_f / V) / 3600$
R= Hydraulic radius
A_q= Flow area, square feet
W_p= Wetted perimeter, feet
V= Velocity, ft/sec
S_f= Slope, ft/ft
n= Manning's n
T_c= Time of concentration, hours
L_f= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

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

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

Where:

$(L_f / V) / 3600$
V= Velocity, ft/sec
S_f= Slope, ft/ft
T_c= Time of concentration, hours
L_f= Flow length, feet

Pre-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method (Computational Notes)

Definition of Terms

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

Pre-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method

Computational Notes

Precipitation

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

Pervious Area Runoff (using SCS Runoff CN Method)

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

Impervious Area Runoff

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

Column (9)	$R(t) = (A_p/A_t) \times R_{ip}(t) + (A_i/A_t) \times R_{ii}(t)$ $R(t) = (A_p/A_t) \times Col.(6) + (A_i/A_t) \times Col.(8)$
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SCS Unit Hydrograph Method

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

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Pre-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Storm Event	1-YR
Return Event	1 years
Duration	24.000 hours
Depth	2.8 in
Time of Concentration (Composite)	0.086 hours
Area (User Defined)	65,786 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.450	0.00	0.00	0.00	0.00	0.00
10.700	0.01	0.01	0.01	0.01	0.01
10.950	0.02	0.02	0.02	0.02	0.03
11.200	0.03	0.04	0.04	0.05	0.05
11.450	0.06	0.07	0.10	0.15	0.25
11.700	0.39	0.60	0.87	1.39	2.10
11.950	2.23	2.06	1.49	0.71	0.48
12.200	0.41	0.37	0.35	0.32	0.30
12.450	0.27	0.25	0.23	0.21	0.20
12.700	0.20	0.19	0.18	0.18	0.17
12.950	0.17	0.16	0.16	0.15	0.15
13.200	0.14	0.14	0.14	0.14	0.13
13.450	0.13	0.13	0.12	0.12	0.12
13.700	0.11	0.11	0.11	0.11	0.10
13.950	0.10	0.10	0.10	0.10	0.10
14.200	0.09	0.09	0.09	0.09	0.09
14.450	0.09	0.09	0.09	0.09	0.09
14.700	0.09	0.09	0.08	0.08	0.08
14.950	0.08	0.08	0.08	0.08	0.08
15.200	0.08	0.08	0.08	0.08	0.07
15.450	0.07	0.07	0.07	0.07	0.07
15.700	0.07	0.07	0.07	0.07	0.07
15.950	0.06	0.06	0.06	0.06	0.06
16.200	0.06	0.06	0.06	0.06	0.06
16.450	0.06	0.06	0.06	0.06	0.06
16.700	0.06	0.06	0.06	0.06	0.06
16.950	0.06	0.06	0.06	0.06	0.06
17.200	0.06	0.06	0.06	0.05	0.05
17.450	0.05	0.05	0.05	0.05	0.05
17.700	0.05	0.05	0.05	0.05	0.05
17.950	0.05	0.05	0.05	0.05	0.05
18.200	0.05	0.05	0.05	0.05	0.05
18.450	0.05	0.05	0.05	0.05	0.05
18.700	0.05	0.05	0.05	0.05	0.04
18.950	0.04	0.04	0.04	0.04	0.04
19.200	0.04	0.04	0.04	0.04	0.04
19.450	0.04	0.04	0.04	0.04	0.04

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 1 years

Label: DA-1

Storm Event: 1-YR

Scenario: Pre-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.700	0.04	0.04	0.04	0.04	0.04
19.950	0.04	0.04	0.04	0.04	0.04
20.200	0.04	0.04	0.04	0.04	0.04
20.450	0.04	0.04	0.04	0.04	0.04
20.700	0.04	0.04	0.04	0.04	0.04
20.950	0.04	0.04	0.04	0.04	0.04
21.200	0.04	0.04	0.04	0.04	0.04
21.450	0.04	0.04	0.04	0.04	0.04
21.700	0.04	0.03	0.03	0.03	0.03
21.950	0.03	0.03	0.03	0.03	0.03
22.200	0.03	0.03	0.03	0.03	0.03
22.450	0.03	0.03	0.03	0.03	0.03
22.700	0.03	0.03	0.03	0.03	0.03
22.950	0.03	0.03	0.03	0.03	0.03
23.200	0.03	0.03	0.03	0.03	0.03
23.450	0.03	0.03	0.03	0.03	0.03
23.700	0.03	0.03	0.03	0.03	0.03
23.950	0.03	0.03	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Pre-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Storm Event	2-YR
Return Event	2 years
Duration	24.000 hours
Depth	3.3 in
Time of Concentration (Composite)	0.086 hours
Area (User Defined)	65,786 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.700	0.00	0.00	0.00	0.00	0.00
9.950	0.01	0.01	0.01	0.01	0.01
10.200	0.01	0.01	0.01	0.02	0.02
10.450	0.02	0.02	0.02	0.02	0.03
10.700	0.03	0.03	0.04	0.04	0.04
10.950	0.05	0.05	0.05	0.06	0.07
11.200	0.07	0.08	0.09	0.10	0.11
11.450	0.12	0.13	0.19	0.27	0.44
11.700	0.65	0.96	1.35	2.07	3.05
11.950	3.15	2.87	2.06	0.97	0.65
12.200	0.55	0.51	0.47	0.44	0.40
12.450	0.37	0.33	0.31	0.28	0.27
12.700	0.26	0.26	0.25	0.24	0.23
12.950	0.22	0.22	0.21	0.20	0.20
13.200	0.19	0.19	0.18	0.18	0.18
13.450	0.17	0.17	0.16	0.16	0.16
13.700	0.15	0.15	0.15	0.14	0.14
13.950	0.14	0.13	0.13	0.13	0.13
14.200	0.13	0.12	0.12	0.12	0.12
14.450	0.12	0.12	0.12	0.12	0.12
14.700	0.11	0.11	0.11	0.11	0.11
14.950	0.11	0.11	0.11	0.11	0.10
15.200	0.10	0.10	0.10	0.10	0.10
15.450	0.10	0.10	0.09	0.09	0.09
15.700	0.09	0.09	0.09	0.09	0.09
15.950	0.09	0.08	0.08	0.08	0.08
16.200	0.08	0.08	0.08	0.08	0.08
16.450	0.08	0.08	0.08	0.08	0.08
16.700	0.08	0.08	0.08	0.08	0.08
16.950	0.08	0.07	0.07	0.07	0.07
17.200	0.07	0.07	0.07	0.07	0.07
17.450	0.07	0.07	0.07	0.07	0.07
17.700	0.07	0.07	0.07	0.07	0.07
17.950	0.07	0.07	0.07	0.07	0.07
18.200	0.06	0.06	0.06	0.06	0.06
18.450	0.06	0.06	0.06	0.06	0.06
18.700	0.06	0.06	0.06	0.06	0.06

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: DA-1

Storm Event: 2-YR

Scenario: Pre-Development 2-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.950	0.06	0.06	0.06	0.06	0.06
19.200	0.06	0.06	0.06	0.05	0.05
19.450	0.05	0.05	0.05	0.05	0.05
19.700	0.05	0.05	0.05	0.05	0.05
19.950	0.05	0.05	0.05	0.05	0.05
20.200	0.05	0.05	0.05	0.05	0.05
20.450	0.05	0.05	0.05	0.05	0.05
20.700	0.05	0.05	0.05	0.05	0.05
20.950	0.05	0.05	0.05	0.05	0.05
21.200	0.05	0.05	0.05	0.05	0.05
21.450	0.05	0.05	0.05	0.05	0.05
21.700	0.05	0.05	0.05	0.05	0.05
21.950	0.05	0.05	0.04	0.04	0.04
22.200	0.04	0.04	0.04	0.04	0.04
22.450	0.04	0.04	0.04	0.04	0.04
22.700	0.04	0.04	0.04	0.04	0.04
22.950	0.04	0.04	0.04	0.04	0.04
23.200	0.04	0.04	0.04	0.04	0.04
23.450	0.04	0.04	0.04	0.04	0.04
23.700	0.04	0.04	0.04	0.04	0.04
23.950	0.04	0.04	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Pre-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Storm Event	5-YR
Return Event	5 years
Duration	24.000 hours
Depth	4.1 in
Time of Concentration (Composite)	0.086 hours
Area (User Defined)	65,786 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Pre-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Storm Event	10-YR
Return Event	10 years
Duration	24.000 hours
Depth	4.8 in
Time of Concentration (Composite)	0.086 hours
Area (User Defined)	65,786 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.800	0.00	0.00	0.00	0.00	0.00
8.050	0.00	0.00	0.01	0.01	0.01
8.300	0.01	0.01	0.01	0.01	0.01
8.550	0.01	0.01	0.01	0.02	0.02
8.800	0.02	0.02	0.02	0.02	0.02
9.050	0.03	0.03	0.03	0.03	0.03
9.300	0.03	0.03	0.03	0.03	0.04
9.550	0.04	0.04	0.04	0.04	0.04
9.800	0.05	0.05	0.05	0.05	0.06
10.050	0.06	0.06	0.07	0.07	0.07
10.300	0.08	0.08	0.08	0.09	0.09
10.550	0.10	0.10	0.11	0.12	0.12
10.800	0.13	0.14	0.14	0.15	0.16
11.050	0.17	0.18	0.20	0.21	0.23
11.300	0.25	0.27	0.29	0.31	0.33
11.550	0.48	0.68	1.04	1.51	2.11
11.800	2.85	4.18	5.90	5.91	5.25
12.050	3.70	1.73	1.16	0.98	0.89
12.300	0.83	0.77	0.70	0.64	0.58
12.550	0.53	0.49	0.47	0.46	0.44
12.800	0.43	0.42	0.40	0.39	0.37
13.050	0.36	0.35	0.34	0.33	0.32
13.300	0.32	0.31	0.30	0.29	0.29
13.550	0.28	0.27	0.27	0.26	0.25
13.800	0.25	0.24	0.24	0.23	0.23
14.050	0.22	0.22	0.22	0.21	0.21
14.300	0.21	0.21	0.21	0.20	0.20
14.550	0.20	0.20	0.20	0.19	0.19
14.800	0.19	0.19	0.19	0.18	0.18
15.050	0.18	0.18	0.18	0.17	0.17
15.300	0.17	0.17	0.17	0.16	0.16
15.550	0.16	0.16	0.16	0.15	0.15
15.800	0.15	0.15	0.15	0.14	0.14
16.050	0.14	0.14	0.14	0.14	0.14
16.300	0.14	0.13	0.13	0.13	0.13
16.550	0.13	0.13	0.13	0.13	0.13
16.800	0.13	0.13	0.13	0.13	0.13

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-1

Storm Event: 10-YR

Scenario: Pre-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.050	0.12	0.12	0.12	0.12	0.12
17.300	0.12	0.12	0.12	0.12	0.12
17.550	0.12	0.12	0.12	0.12	0.11
17.800	0.11	0.11	0.11	0.11	0.11
18.050	0.11	0.11	0.11	0.11	0.11
18.300	0.11	0.11	0.10	0.10	0.10
18.550	0.10	0.10	0.10	0.10	0.10
18.800	0.10	0.10	0.10	0.10	0.10
19.050	0.10	0.09	0.09	0.09	0.09
19.300	0.09	0.09	0.09	0.09	0.09
19.550	0.09	0.09	0.09	0.09	0.08
19.800	0.08	0.08	0.08	0.08	0.08
20.050	0.08	0.08	0.08	0.08	0.08
20.300	0.08	0.08	0.08	0.08	0.08
20.550	0.08	0.08	0.08	0.08	0.08
20.800	0.08	0.08	0.08	0.08	0.08
21.050	0.08	0.08	0.08	0.08	0.08
21.300	0.08	0.08	0.08	0.08	0.08
21.550	0.08	0.08	0.08	0.08	0.08
21.800	0.07	0.07	0.07	0.07	0.07
22.050	0.07	0.07	0.07	0.07	0.07
22.300	0.07	0.07	0.07	0.07	0.07
22.550	0.07	0.07	0.07	0.07	0.07
22.800	0.07	0.07	0.07	0.07	0.07
23.050	0.07	0.07	0.07	0.07	0.07
23.300	0.07	0.07	0.07	0.07	0.07
23.550	0.07	0.07	0.07	0.07	0.07
23.800	0.07	0.07	0.07	0.07	0.07

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Pre-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Storm Event	25-YR
Return Event	25 years
Duration	24.000 hours
Depth	5.9 in
Time of Concentration (Composite)	0.086 hours
Area (User Defined)	65,786 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.750	0.00	0.00	0.00	0.00	0.00
7.000	0.00	0.01	0.01	0.01	0.01
7.250	0.01	0.01	0.01	0.01	0.01
7.500	0.01	0.01	0.01	0.01	0.02
7.750	0.02	0.02	0.02	0.02	0.02
8.000	0.02	0.02	0.02	0.02	0.03
8.250	0.03	0.03	0.03	0.03	0.03
8.500	0.04	0.04	0.04	0.04	0.04
8.750	0.04	0.05	0.05	0.05	0.05
9.000	0.06	0.06	0.06	0.06	0.06
9.250	0.06	0.06	0.07	0.07	0.07
9.500	0.07	0.07	0.07	0.08	0.08
9.750	0.08	0.09	0.09	0.09	0.10
10.000	0.10	0.11	0.11	0.12	0.12
10.250	0.13	0.13	0.14	0.14	0.15
10.500	0.16	0.16	0.17	0.18	0.19
10.750	0.20	0.21	0.22	0.23	0.24
11.000	0.26	0.27	0.29	0.31	0.33
11.250	0.36	0.39	0.41	0.44	0.47
11.500	0.50	0.72	1.01	1.54	2.20
11.750	3.03	4.03	5.82	8.08	7.99
12.000	7.03	4.93	2.30	1.53	1.29
12.250	1.17	1.09	1.01	0.93	0.84
12.500	0.76	0.70	0.65	0.62	0.60
12.750	0.58	0.56	0.54	0.52	0.51
13.000	0.49	0.47	0.46	0.44	0.43
13.250	0.42	0.41	0.40	0.39	0.38
13.500	0.37	0.36	0.35	0.35	0.34
13.750	0.33	0.32	0.32	0.31	0.30
14.000	0.29	0.29	0.28	0.28	0.28
14.250	0.27	0.27	0.27	0.27	0.26
14.500	0.26	0.26	0.26	0.25	0.25
14.750	0.25	0.25	0.24	0.24	0.24
15.000	0.24	0.23	0.23	0.23	0.22
15.250	0.22	0.22	0.22	0.21	0.21
15.500	0.21	0.21	0.20	0.20	0.20
15.750	0.20	0.19	0.19	0.19	0.19

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-1

Storm Event: 25-YR

Scenario: Pre-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
16.000	0.18	0.18	0.18	0.18	0.18
16.250	0.18	0.18	0.17	0.17	0.17
16.500	0.17	0.17	0.17	0.17	0.17
16.750	0.17	0.17	0.16	0.16	0.16
17.000	0.16	0.16	0.16	0.16	0.16
17.250	0.16	0.16	0.16	0.15	0.15
17.500	0.15	0.15	0.15	0.15	0.15
17.750	0.15	0.15	0.15	0.14	0.14
18.000	0.14	0.14	0.14	0.14	0.14
18.250	0.14	0.14	0.14	0.14	0.13
18.500	0.13	0.13	0.13	0.13	0.13
18.750	0.13	0.13	0.13	0.13	0.12
19.000	0.12	0.12	0.12	0.12	0.12
19.250	0.12	0.12	0.12	0.12	0.11
19.500	0.11	0.11	0.11	0.11	0.11
19.750	0.11	0.11	0.11	0.11	0.11
20.000	0.10	0.10	0.10	0.10	0.10
20.250	0.10	0.10	0.10	0.10	0.10
20.500	0.10	0.10	0.10	0.10	0.10
20.750	0.10	0.10	0.10	0.10	0.10
21.000	0.10	0.10	0.10	0.10	0.10
21.250	0.10	0.10	0.10	0.10	0.10
21.500	0.10	0.10	0.10	0.10	0.10
21.750	0.10	0.10	0.10	0.10	0.10
22.000	0.10	0.10	0.10	0.10	0.09
22.250	0.09	0.09	0.09	0.09	0.09
22.500	0.09	0.09	0.09	0.09	0.09
22.750	0.09	0.09	0.09	0.09	0.09
23.000	0.09	0.09	0.09	0.09	0.09
23.250	0.09	0.09	0.09	0.09	0.09
23.500	0.09	0.09	0.09	0.09	0.09
23.750	0.09	0.09	0.09	0.09	0.09
24.000	0.09	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Pre-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Storm Event	50-YR
Return Event	50 years
Duration	24.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.086 hours
Area (User Defined)	65,786 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.000	0.00	0.00	0.00	0.00	0.00
6.250	0.00	0.01	0.01	0.01	0.01
6.500	0.01	0.01	0.01	0.01	0.01
6.750	0.01	0.02	0.02	0.02	0.02
7.000	0.02	0.02	0.02	0.02	0.02
7.250	0.02	0.03	0.03	0.03	0.03
7.500	0.03	0.03	0.03	0.03	0.03
7.750	0.04	0.04	0.04	0.04	0.04
8.000	0.04	0.04	0.04	0.05	0.05
8.250	0.05	0.05	0.05	0.06	0.06
8.500	0.06	0.06	0.07	0.07	0.07
8.750	0.07	0.08	0.08	0.08	0.09
9.000	0.09	0.09	0.09	0.10	0.10
9.250	0.10	0.10	0.10	0.10	0.11
9.500	0.11	0.11	0.11	0.12	0.12
9.750	0.13	0.13	0.13	0.14	0.14
10.000	0.15	0.16	0.16	0.17	0.18
10.250	0.18	0.19	0.20	0.21	0.21
10.500	0.22	0.23	0.24	0.25	0.27
10.750	0.28	0.29	0.31	0.32	0.34
11.000	0.35	0.37	0.39	0.42	0.46
11.250	0.49	0.52	0.56	0.59	0.63
11.500	0.67	0.95	1.34	2.02	2.87
11.750	3.92	5.16	7.37	10.13	9.95
12.000	8.69	6.07	2.82	1.88	1.58
12.250	1.44	1.33	1.23	1.13	1.03
12.500	0.93	0.86	0.79	0.76	0.73
12.750	0.71	0.68	0.66	0.64	0.62
13.000	0.59	0.57	0.55	0.54	0.53
13.250	0.52	0.50	0.49	0.48	0.46
13.500	0.45	0.44	0.43	0.42	0.41
13.750	0.40	0.39	0.38	0.37	0.37
14.000	0.36	0.35	0.34	0.34	0.34
14.250	0.33	0.33	0.33	0.32	0.32
14.500	0.32	0.31	0.31	0.31	0.30
14.750	0.30	0.30	0.30	0.29	0.29
15.000	0.29	0.28	0.28	0.28	0.27

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-1

Storm Event: 50-YR

Scenario: Pre-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.250	0.27	0.27	0.26	0.26	0.26
15.500	0.25	0.25	0.25	0.24	0.24
15.750	0.24	0.23	0.23	0.23	0.22
16.000	0.22	0.22	0.22	0.22	0.21
16.250	0.21	0.21	0.21	0.21	0.21
16.500	0.21	0.21	0.20	0.20	0.20
16.750	0.20	0.20	0.20	0.20	0.20
17.000	0.20	0.19	0.19	0.19	0.19
17.250	0.19	0.19	0.19	0.19	0.19
17.500	0.18	0.18	0.18	0.18	0.18
17.750	0.18	0.18	0.18	0.18	0.17
18.000	0.17	0.17	0.17	0.17	0.17
18.250	0.17	0.17	0.16	0.16	0.16
18.500	0.16	0.16	0.16	0.16	0.16
18.750	0.16	0.15	0.15	0.15	0.15
19.000	0.15	0.15	0.15	0.15	0.14
19.250	0.14	0.14	0.14	0.14	0.14
19.500	0.14	0.14	0.14	0.13	0.13
19.750	0.13	0.13	0.13	0.13	0.13
20.000	0.13	0.12	0.12	0.12	0.12
20.250	0.12	0.12	0.12	0.12	0.12
20.500	0.12	0.12	0.12	0.12	0.12
20.750	0.12	0.12	0.12	0.12	0.12
21.000	0.12	0.12	0.12	0.12	0.12
21.250	0.12	0.12	0.12	0.12	0.12
21.500	0.12	0.12	0.12	0.12	0.12
21.750	0.12	0.12	0.12	0.12	0.12
22.000	0.12	0.12	0.12	0.11	0.11
22.250	0.11	0.11	0.11	0.11	0.11
22.500	0.11	0.11	0.11	0.11	0.11
22.750	0.11	0.11	0.11	0.11	0.11
23.000	0.11	0.11	0.11	0.11	0.11
23.250	0.11	0.11	0.11	0.11	0.11
23.500	0.11	0.11	0.11	0.11	0.11
23.750	0.11	0.11	0.11	0.11	0.11
24.000	0.11	(N/A)	(N/A)	(N/A)	(N/A)

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Pre-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Storm Event	100-YR
Return Event	100 years
Duration	24.000 hours
Depth	8.2 in
Time of Concentration (Composite)	0.086 hours
Area (User Defined)	65,786 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.350	0.00	0.00	0.00	0.00	0.01
5.600	0.01	0.01	0.01	0.01	0.01
5.850	0.01	0.01	0.01	0.02	0.02
6.100	0.02	0.02	0.02	0.02	0.02
6.350	0.02	0.02	0.03	0.03	0.03
6.600	0.03	0.03	0.03	0.03	0.03
6.850	0.04	0.04	0.04	0.04	0.04
7.100	0.04	0.04	0.05	0.05	0.05
7.350	0.05	0.05	0.05	0.05	0.05
7.600	0.06	0.06	0.06	0.06	0.06
7.850	0.06	0.06	0.07	0.07	0.07
8.100	0.07	0.07	0.08	0.08	0.08
8.350	0.09	0.09	0.09	0.10	0.10
8.600	0.10	0.11	0.11	0.11	0.12
8.850	0.12	0.13	0.13	0.13	0.14
9.100	0.14	0.14	0.14	0.15	0.15
9.350	0.15	0.15	0.15	0.16	0.16
9.600	0.16	0.17	0.17	0.18	0.19
9.850	0.19	0.20	0.20	0.21	0.22
10.100	0.23	0.24	0.25	0.26	0.27
10.350	0.27	0.29	0.30	0.31	0.32
10.600	0.33	0.35	0.36	0.38	0.40
10.850	0.42	0.44	0.45	0.47	0.50
11.100	0.53	0.56	0.61	0.65	0.69
11.350	0.73	0.78	0.83	0.87	1.24
11.600	1.75	2.61	3.69	5.00	6.53
11.850	9.25	12.59	12.28	10.66	7.42
12.100	3.45	2.29	1.93	1.75	1.62
12.350	1.50	1.37	1.25	1.13	1.04
12.600	0.96	0.92	0.89	0.86	0.83
12.850	0.80	0.77	0.75	0.72	0.69
13.100	0.67	0.65	0.64	0.62	0.61
13.350	0.59	0.58	0.56	0.55	0.53
13.600	0.52	0.51	0.50	0.49	0.47
13.850	0.46	0.45	0.44	0.43	0.42
14.100	0.42	0.41	0.41	0.40	0.40
14.350	0.39	0.39	0.39	0.38	0.38

Pre-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-1

Storm Event: 100-YR

Scenario: Pre-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.600	0.37	0.37	0.37	0.36	0.36
14.850	0.36	0.35	0.35	0.34	0.34
15.100	0.34	0.33	0.33	0.33	0.32
15.350	0.32	0.31	0.31	0.31	0.30
15.600	0.30	0.29	0.29	0.29	0.28
15.850	0.28	0.27	0.27	0.27	0.26
16.100	0.26	0.26	0.26	0.26	0.26
16.350	0.25	0.25	0.25	0.25	0.25
16.600	0.25	0.25	0.24	0.24	0.24
16.850	0.24	0.24	0.24	0.24	0.23
17.100	0.23	0.23	0.23	0.23	0.23
17.350	0.23	0.22	0.22	0.22	0.22
17.600	0.22	0.22	0.22	0.21	0.21
17.850	0.21	0.21	0.21	0.21	0.21
18.100	0.21	0.20	0.20	0.20	0.20
18.350	0.20	0.20	0.19	0.19	0.19
18.600	0.19	0.19	0.19	0.19	0.18
18.850	0.18	0.18	0.18	0.18	0.18
19.100	0.18	0.18	0.17	0.17	0.17
19.350	0.17	0.17	0.17	0.17	0.16
19.600	0.16	0.16	0.16	0.16	0.16
19.850	0.16	0.15	0.15	0.15	0.15
20.100	0.15	0.15	0.15	0.15	0.15
20.350	0.15	0.15	0.15	0.15	0.15
20.600	0.15	0.15	0.15	0.15	0.15
20.850	0.14	0.14	0.14	0.14	0.14
21.100	0.14	0.14	0.14	0.14	0.14
21.350	0.14	0.14	0.14	0.14	0.14
21.600	0.14	0.14	0.14	0.14	0.14
21.850	0.14	0.14	0.14	0.14	0.14
22.100	0.14	0.14	0.14	0.14	0.14
22.350	0.14	0.14	0.14	0.14	0.14
22.600	0.14	0.13	0.13	0.13	0.13
22.850	0.13	0.13	0.13	0.13	0.13
23.100	0.13	0.13	0.13	0.13	0.13
23.350	0.13	0.13	0.13	0.13	0.13
23.600	0.13	0.13	0.13	0.13	0.13
23.850	0.13	0.13	0.13	0.13	(N/A)

Pre-Development Conditions

Subsection: Addition Summary

Label: Outfall-Pre

Scenario: Pre-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Summary for Hydrograph Addition at 'Outfall-Pre'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	5,402.120	11.950	2.23
Flow (In)	Outfall-Pre	5,402.120	11.950	2.23

Pre-Development Conditions

Subsection: Addition Summary

Label: Outfall-Pre

Scenario: Pre-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Summary for Hydrograph Addition at 'Outfall-Pre'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	7,587.001	11.950	3.15
Flow (In)	Outfall-Pre	7,587.001	11.950	3.15

Pre-Development Conditions

Subsection: Addition Summary

Label: Outfall-Pre

Scenario: Pre-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Summary for Hydrograph Addition at 'Outfall-Pre'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	0.000	0.000	0.00
Flow (In)	Outfall-Pre	0.000	0.000	0.00

Pre-Development Conditions

Subsection: Addition Summary

Label: Outfall-Pre

Scenario: Pre-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Summary for Hydrograph Addition at 'Outfall-Pre'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	14,302.282	11.950	5.91
Flow (In)	Outfall-Pre	14,302.282	11.950	5.91

Pre-Development Conditions

Subsection: Addition Summary

Label: Outfall-Pre

Scenario: Pre-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Summary for Hydrograph Addition at 'Outfall-Pre'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	19,539.457	11.900	8.08
Flow (In)	Outfall-Pre	19,539.457	11.900	8.08

Pre-Development Conditions

Subsection: Addition Summary

Label: Outfall-Pre

Scenario: Pre-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Summary for Hydrograph Addition at 'Outfall-Pre'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	24,565.912	11.900	10.13
Flow (In)	Outfall-Pre	24,565.912	11.900	10.13

Pre-Development Conditions

Subsection: Addition Summary

Label: Outfall-Pre

Scenario: Pre-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Summary for Hydrograph Addition at 'Outfall-Pre'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	30,672.553	11.900	12.59
Flow (In)	Outfall-Pre	30,672.553	11.900	12.59

Pre-Development Conditions

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Project Summary

Title	Magick Cauldron
Engineer	RNR
Company	Colliers Engineering & Design
Date	12/15/2022

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Post-Development Conditions

Subsection: User Notifications

User Notifications

Message Id	56
Scenario	Post-Development 50-Year Storm
Element Type	Pond
Element Id	126
Label	Trench 2
Time	(N/A)
Message	Volume/Outflow data exceeded. Inflow= 3.46 ft ³ /s, Outflow > 0.01 ft ³ /s.
Source	Warning

Message Id	59
Scenario	Post-Development 50-Year Storm
Element Type	Pond
Element Id	126
Label	Trench 2
Time	(N/A)
Message	Volume/Outflow data exceeded during routing.
Source	Warning

Message Id	44
Scenario	Post-Development 50-Year Storm
Element Type	Pond
Element Id	126
Label	Trench 2
Time	(N/A)
Message	Elevation-flow-volume table data overtopped...routing results invalid.
Source	Warning

Message Id	48
Scenario	Post-Development 50-Year Storm
Element Type	Pond
Element Id	126
Label	Trench 2
Time	(N/A)
Message	Outflow hydrograph never crested (last ordinate = max outflow).
Source	Warning

Message Id	56
Scenario	Post-Development 100-Year Storm
Element Type	Pond
Element Id	121
Label	Trench 1
Time	(N/A)
Message	Volume/Outflow data exceeded. Inflow= 2.47 ft ³ /s, Outflow > 2.63 ft ³ /s.
Source	Warning

Message Id	59
Scenario	Post-Development 100-Year Storm
Element Type	Pond
Element Id	121
Label	Trench 1
Time	(N/A)
Message	Volume/Outflow data exceeded during routing.
Source	Warning

Post-Development Conditions

Subsection: User Notifications

User Notifications

Message Id	44
Scenario	Post-Development 100-Year Storm
Element Type	Pond
Element Id	121
Label	Trench 1
Time	(N/A)
Message	Elevation-flow-volume table data overtopped...routing results invalid.
Source	Warning

Post-Development Conditions

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)
DA-1	Post-Development 1-Year Storm	1	1,186.000	11.950	0.49
DA-1	Post-Development 2-Year Storm	2	1,632.000	11.950	0.68
DA-1	Post-Development 5-Year Storm	5	2,333.000	11.950	0.96
DA-1	Post-Development 10-Year Storm	10	2,978.000	11.950	1.22
DA-1	Post-Development 25-Year Storm	25	4,013.000	11.950	1.63
DA-1	Post-Development 50-Year Storm	50	5,000.000	11.950	2.01
DA-1	Post-Development 100-Year Storm	100	6,193.000	11.950	2.47
DA-5	Post-Development 1-Year Storm	1	755.000	11.950	0.31
DA-5	Post-Development 2-Year Storm	2	1,026.000	11.950	0.42
DA-5	Post-Development 5-Year Storm	5	1,448.000	11.950	0.60
DA-5	Post-Development 10-Year Storm	10	1,833.000	11.950	0.75
DA-5	Post-Development 25-Year Storm	25	2,449.000	11.950	0.99
DA-5	Post-Development 50-Year Storm	50	3,034.000	11.950	1.21
DA-5	Post-Development 100-Year Storm	100	3,739.000	11.950	1.48
DA-3	Post-Development 1-Year Storm	1	1,438.000	12.000	0.51
DA-3	Post-Development 2-Year Storm	2	2,004.000	12.000	0.72
DA-3	Post-Development 5-Year Storm	5	2,902.000	12.000	1.05
DA-3	Post-Development 10-Year Storm	10	3,733.000	12.000	1.36
DA-3	Post-Development 25-Year Storm	25	5,075.000	12.000	1.83
DA-3	Post-Development 50-Year Storm	50	6,359.000	12.000	2.28
DA-3	Post-Development 100-Year Storm	100	7,917.000	12.000	2.82
DA-2	Post-Development 1-Year Storm	1	2,004.000	11.900	0.87
DA-2	Post-Development 2-Year Storm	2	2,721.000	11.900	1.19
DA-2	Post-Development 5-Year Storm	5	3,840.000	11.900	1.68
DA-2	Post-Development 10-Year Storm	10	4,861.000	11.900	2.12

Post-Development Conditions

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)
DA-2	Post-Development 25-Year Storm	25	6,493.000	11.900	2.81
DA-2	Post-Development 50-Year Storm	50	8,042.000	11.900	3.46
DA-2	Post-Development 100-Year Storm	100	9,910.000	11.900	4.22
DA-4	Post-Development 1-Year Storm	1	871.000	12.000	0.34
DA-4	Post-Development 2-Year Storm	2	1,203.000	12.000	0.46
DA-4	Post-Development 5-Year Storm	5	1,728.000	11.950	0.67
DA-4	Post-Development 10-Year Storm	10	2,212.000	11.950	0.86
DA-4	Post-Development 25-Year Storm	25	2,990.000	11.950	1.15
DA-4	Post-Development 50-Year Storm	50	3,734.000	11.950	1.43
DA-4	Post-Development 100-Year Storm	100	4,633.000	11.950	1.76

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Outfall-Post	Post-Development 1-Year Storm	1	1,022.000	12.100	0.18
Outfall-Post	Post-Development 2-Year Storm	2	2,637.000	12.050	0.43
Outfall-Post	Post-Development 5-Year Storm	5	4,948.000	12.150	0.85
Outfall-Post	Post-Development 10-Year Storm	10	8,308.000	12.050	3.28
Outfall-Post	Post-Development 25-Year Storm	25	13,703.000	11.950	5.54
Outfall-Post	Post-Development 50-Year Storm	50	14,231.000	12.050	5.82
Outfall-Post	Post-Development 100-Year Storm	100	26,500.000	12.000	11.97

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
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Post-Development Conditions

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
Tranch 5 (IN)	Post-Development 1-Year Storm	1	755.000	11.950	0.31	(N/A)	(N/A)
Tranch 5 (OUT)	Post-Development 1-Year Storm	1	0.000	0.000	0.00	522.71	755.000
Tranch 5 (IN)	Post-Development 2-Year Storm	2	1,026.000	11.950	0.42	(N/A)	(N/A)
Tranch 5 (OUT)	Post-Development 2-Year Storm	2	0.000	0.000	0.00	523.12	1,026.000
Tranch 5 (IN)	Post-Development 5-Year Storm	5	1,448.000	11.950	0.60	(N/A)	(N/A)
Tranch 5 (OUT)	Post-Development 5-Year Storm	5	70.000	21.750	0.01	523.66	1,378.000
Tranch 5 (IN)	Post-Development 10-Year Storm	10	1,833.000	11.950	0.75	(N/A)	(N/A)
Tranch 5 (OUT)	Post-Development 10-Year Storm	10	455.000	14.450	0.02	523.67	1,382.000
Tranch 5 (IN)	Post-Development 25-Year Storm	25	2,449.000	11.950	0.99	(N/A)	(N/A)
Tranch 5 (OUT)	Post-Development 25-Year Storm	25	1,070.000	12.250	0.15	523.70	1,405.000
Tranch 5 (IN)	Post-Development 50-Year Storm	50	3,034.000	11.950	1.21	(N/A)	(N/A)
Tranch 5 (OUT)	Post-Development 50-Year Storm	50	1,655.000	12.050	0.94	523.81	1,475.000
Tranch 5 (IN)	Post-Development 100-Year Storm	100	3,739.000	11.950	1.48	(N/A)	(N/A)
Tranch 5 (OUT)	Post-Development 100-Year Storm	100	2,359.000	12.000	1.53	523.86	1,507.000
Trench 1 (IN)	Post-Development 1-Year Storm	1	1,186.000	11.950	0.49	(N/A)	(N/A)
Trench 1 (OUT)	Post-Development 1-Year Storm	1	0.000	0.000	0.00	523.04	1,186.000

Post-Development Conditions

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
Trench 1 (IN)	Post-Development 2-Year Storm	2	1,632.000	11.950	0.68	(N/A)	(N/A)
Trench 1 (OUT)	Post-Development 2-Year Storm	2	2.000	24.000	0.01	523.80	1,631.000
Trench 1 (IN)	Post-Development 5-Year Storm	5	2,333.000	11.950	0.96	(N/A)	(N/A)
Trench 1 (OUT)	Post-Development 5-Year Storm	5	120.000	21.350	0.01	523.80	2,214.000
Trench 1 (IN)	Post-Development 10-Year Storm	10	2,978.000	11.950	1.22	(N/A)	(N/A)
Trench 1 (OUT)	Post-Development 10-Year Storm	10	765.000	14.300	0.04	523.81	2,218.000
Trench 1 (IN)	Post-Development 25-Year Storm	25	4,013.000	11.950	1.63	(N/A)	(N/A)
Trench 1 (OUT)	Post-Development 25-Year Storm	25	1,800.000	12.200	0.29	523.86	2,246.000
Trench 1 (IN)	Post-Development 50-Year Storm	50	5,000.000	11.950	2.01	(N/A)	(N/A)
Trench 1 (OUT)	Post-Development 50-Year Storm	50	3,369.000	11.950	2.16	523.98	1,734.000
Trench 1 (IN)	Post-Development 100-Year Storm	100	6,193.000	11.950	2.47	(N/A)	(N/A)
Trench 1 (OUT)	Post-Development 100-Year Storm	100	4,996.000	11.900	2.63	524.00	1,747.000
Trench 3 (IN)	Post-Development 1-Year Storm	1	1,438.000	12.000	0.51	(N/A)	(N/A)
Trench 3 (OUT)	Post-Development 1-Year Storm	1	242.000	18.000	0.01	523.57	1,199.000
Trench 3 (IN)	Post-Development 2-Year Storm	2	2,004.000	12.000	0.72	(N/A)	(N/A)
Trench 3 (OUT)	Post-Development 2-Year Storm	2	807.000	13.300	0.05	523.60	1,219.000

Post-Development Conditions

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
Trench 3 (IN)	Post-Development 5-Year Storm	5	2,902.000	12.000	1.05	(N/A)	(N/A)
Trench 3 (OUT)	Post-Development 5-Year Storm	5	1,703.000	12.150	0.54	523.67	1,260.000
Trench 3 (IN)	Post-Development 10-Year Storm	10	3,733.000	12.000	1.36	(N/A)	(N/A)
Trench 3 (OUT)	Post-Development 10-Year Storm	10	2,532.000	12.100	1.21	523.72	1,297.000
Trench 3 (IN)	Post-Development 25-Year Storm	25	5,075.000	12.000	1.83	(N/A)	(N/A)
Trench 3 (OUT)	Post-Development 25-Year Storm	25	3,871.000	12.000	2.15	523.76	1,323.000
Trench 3 (IN)	Post-Development 50-Year Storm	50	6,359.000	12.000	2.28	(N/A)	(N/A)
Trench 3 (OUT)	Post-Development 50-Year Storm	50	5,153.000	12.000	2.33	523.77	1,328.000
Trench 3 (IN)	Post-Development 100-Year Storm	100	7,917.000	12.000	2.82	(N/A)	(N/A)
Trench 3 (OUT)	Post-Development 100-Year Storm	100	6,708.000	12.000	2.81	523.79	1,341.000
Trench 2 (IN)	Post-Development 1-Year Storm	1	2,004.000	11.900	0.87	(N/A)	(N/A)
Trench 2 (OUT)	Post-Development 1-Year Storm	1	171.000	20.800	0.01	520.43	1,834.000
Trench 2 (IN)	Post-Development 2-Year Storm	2	2,721.000	11.900	1.19	(N/A)	(N/A)
Trench 2 (OUT)	Post-Development 2-Year Storm	2	887.000	13.550	0.05	520.44	1,840.000
Trench 2 (IN)	Post-Development 5-Year Storm	5	3,840.000	11.900	1.68	(N/A)	(N/A)
Trench 2 (OUT)	Post-Development 5-Year Storm	5	1,590.000	12.500	0.16	520.47	2,285.000

Post-Development Conditions

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
Trench 2 (IN)	Post-Development 10-Year Storm	10	4,861.000	11.900	2.12	(N/A)	(N/A)
Trench 2 (OUT)	Post-Development 10-Year Storm	10	2,609.000	12.050	1.44	520.60	2,365.000
Trench 2 (IN)	Post-Development 25-Year Storm	25	6,493.000	11.900	2.81	(N/A)	(N/A)
Trench 2 (OUT)	Post-Development 25-Year Storm	25	4,238.000	11.950	3.39	520.69	2,421.000
Trench 2 (IN)	Post-Development 50-Year Storm	50	8,042.000	11.900	3.46	(N/A)	(N/A)
Trench 2 (OUT)	Post-Development 50-Year Storm	50	588.000	11.850	0.01	520.86	2,107.000
Trench 2 (IN)	Post-Development 100-Year Storm	100	9,910.000	11.900	4.22	(N/A)	(N/A)
Trench 2 (OUT)	Post-Development 100-Year Storm	100	8,072.000	11.900	4.12	520.72	2,014.000
Trench 4 (IN)	Post-Development 1-Year Storm	1	871.000	12.000	0.34	(N/A)	(N/A)
Trench 4 (OUT)	Post-Development 1-Year Storm	1	609.000	12.100	0.18	520.96	316.000
Trench 4 (IN)	Post-Development 2-Year Storm	2	1,203.000	12.000	0.46	(N/A)	(N/A)
Trench 4 (OUT)	Post-Development 2-Year Storm	2	942.000	12.050	0.43	521.01	339.000
Trench 4 (IN)	Post-Development 5-Year Storm	5	1,728.000	11.950	0.67	(N/A)	(N/A)
Trench 4 (OUT)	Post-Development 5-Year Storm	5	1,466.000	12.000	0.66	521.05	360.000
Trench 4 (IN)	Post-Development 10-Year Storm	10	2,212.000	11.950	0.86	(N/A)	(N/A)
Trench 4 (OUT)	Post-Development 10-Year Storm	10	1,949.000	12.000	0.86	521.06	370.000

Post-Development Conditions

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
Trench 4 (IN)	Post-Development 25-Year Storm	25	2,990.000	11.950	1.15	(N/A)	(N/A)
Trench 4 (OUT)	Post-Development 25-Year Storm	25	2,726.000	12.000	1.14	521.09	382.000
Trench 4 (IN)	Post-Development 50-Year Storm	50	3,734.000	11.950	1.43	(N/A)	(N/A)
Trench 4 (OUT)	Post-Development 50-Year Storm	50	3,468.000	12.000	1.41	521.11	394.000
Trench 4 (IN)	Post-Development 100-Year Storm	100	4,633.000	11.950	1.76	(N/A)	(N/A)
Trench 4 (OUT)	Post-Development 100-Year Storm	100	4,366.000	12.000	1.73	521.14	407.000

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 100 years

Label: Monroe County, PA

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time-Depth Curve: 100-YR

Label	100-YR
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	0.2	0.2	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.3	0.3
3.000	0.3	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.4	0.4	0.4
4.000	0.4	0.4	0.4	0.4	0.4
4.500	0.5	0.5	0.5	0.5	0.5
5.000	0.5	0.5	0.5	0.6	0.6
5.500	0.6	0.6	0.6	0.6	0.6
6.000	0.7	0.7	0.7	0.7	0.7
6.500	0.7	0.7	0.8	0.8	0.8
7.000	0.8	0.8	0.8	0.9	0.9
7.500	0.9	0.9	0.9	0.9	1.0
8.000	1.0	1.0	1.0	1.0	1.1
8.500	1.1	1.1	1.1	1.1	1.2
9.000	1.2	1.2	1.3	1.3	1.3
9.500	1.3	1.4	1.4	1.4	1.4
10.000	1.5	1.5	1.5	1.6	1.6
10.500	1.7	1.7	1.8	1.8	1.9
11.000	1.9	2.0	2.0	2.1	2.2
11.500	2.3	2.5	2.9	3.5	4.6
12.000	5.4	5.6	5.7	5.8	5.9
12.500	6.0	6.1	6.1	6.2	6.2
13.000	6.3	6.3	6.4	6.4	6.5
13.500	6.5	6.5	6.6	6.6	6.7
14.000	6.7	6.7	6.7	6.8	6.8
14.500	6.8	6.9	6.9	6.9	6.9
15.000	7.0	7.0	7.0	7.0	7.0
15.500	7.1	7.1	7.1	7.1	7.2
16.000	7.2	7.2	7.2	7.2	7.2
16.500	7.3	7.3	7.3	7.3	7.3
17.000	7.3	7.4	7.4	7.4	7.4
17.500	7.4	7.4	7.5	7.5	7.5
18.000	7.5	7.5	7.5	7.5	7.6
18.500	7.6	7.6	7.6	7.6	7.6

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 100 years

Label: Monroe County, PA

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

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)
19.000	7.6	7.7	7.7	7.7	7.7
19.500	7.7	7.7	7.7	7.7	7.7
20.000	7.8	7.8	7.8	7.8	7.8
20.500	7.8	7.8	7.8	7.8	7.9
21.000	7.9	7.9	7.9	7.9	7.9
21.500	7.9	7.9	7.9	7.9	8.0
22.000	8.0	8.0	8.0	8.0	8.0
22.500	8.0	8.0	8.0	8.0	8.0
23.000	8.1	8.1	8.1	8.1	8.1
23.500	8.1	8.1	8.1	8.1	8.1
24.000	8.2	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 10 years

Label: Monroe County, PA

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time-Depth Curve: 10-YR

Label	10-YR
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	0.0
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	0.1	0.1	0.1	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	0.2
4.000	0.2	0.2	0.2	0.3	0.3
4.500	0.3	0.3	0.3	0.3	0.3
5.000	0.3	0.3	0.3	0.3	0.3
5.500	0.3	0.4	0.4	0.4	0.4
6.000	0.4	0.4	0.4	0.4	0.4
6.500	0.4	0.4	0.4	0.5	0.5
7.000	0.5	0.5	0.5	0.5	0.5
7.500	0.5	0.5	0.5	0.6	0.6
8.000	0.6	0.6	0.6	0.6	0.6
8.500	0.6	0.7	0.7	0.7	0.7
9.000	0.7	0.7	0.7	0.8	0.8
9.500	0.8	0.8	0.8	0.8	0.9
10.000	0.9	0.9	0.9	0.9	1.0
10.500	1.0	1.0	1.0	1.1	1.1
11.000	1.1	1.2	1.2	1.3	1.3
11.500	1.4	1.5	1.7	2.1	2.7
12.000	3.2	3.3	3.4	3.4	3.5
12.500	3.5	3.6	3.6	3.7	3.7
13.000	3.7	3.7	3.8	3.8	3.8
13.500	3.9	3.9	3.9	3.9	3.9
14.000	4.0	4.0	4.0	4.0	4.0
14.500	4.0	4.1	4.1	4.1	4.1
15.000	4.1	4.1	4.1	4.2	4.2
15.500	4.2	4.2	4.2	4.2	4.2
16.000	4.2	4.3	4.3	4.3	4.3
16.500	4.3	4.3	4.3	4.3	4.3
17.000	4.3	4.4	4.4	4.4	4.4
17.500	4.4	4.4	4.4	4.4	4.4
18.000	4.4	4.4	4.5	4.5	4.5
18.500	4.5	4.5	4.5	4.5	4.5

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 10 years

Label: Monroe County, PA

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

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)
19.000	4.5	4.5	4.5	4.5	4.5
19.500	4.6	4.6	4.6	4.6	4.6
20.000	4.6	4.6	4.6	4.6	4.6
20.500	4.6	4.6	4.6	4.6	4.6
21.000	4.7	4.7	4.7	4.7	4.7
21.500	4.7	4.7	4.7	4.7	4.7
22.000	4.7	4.7	4.7	4.7	4.7
22.500	4.7	4.7	4.7	4.8	4.8
23.000	4.8	4.8	4.8	4.8	4.8
23.500	4.8	4.8	4.8	4.8	4.8
24.000	4.8	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve
 Label: Monroe County, PA
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

Time-Depth Curve: 1-YR	
Label	1-YR
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	1 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	0.0	0.0	0.0
1.500	0.0	0.0	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	0.1
3.500	0.1	0.1	0.1	0.1	0.1
4.000	0.1	0.1	0.1	0.1	0.1
4.500	0.2	0.2	0.2	0.2	0.2
5.000	0.2	0.2	0.2	0.2	0.2
5.500	0.2	0.2	0.2	0.2	0.2
6.000	0.2	0.2	0.2	0.2	0.2
6.500	0.2	0.3	0.3	0.3	0.3
7.000	0.3	0.3	0.3	0.3	0.3
7.500	0.3	0.3	0.3	0.3	0.3
8.000	0.3	0.3	0.3	0.3	0.4
8.500	0.4	0.4	0.4	0.4	0.4
9.000	0.4	0.4	0.4	0.4	0.4
9.500	0.4	0.5	0.5	0.5	0.5
10.000	0.5	0.5	0.5	0.5	0.5
10.500	0.6	0.6	0.6	0.6	0.6
11.000	0.6	0.7	0.7	0.7	0.7
11.500	0.8	0.8	1.0	1.2	1.6
12.000	1.8	1.9	1.9	2.0	2.0
12.500	2.0	2.0	2.1	2.1	2.1
13.000	2.1	2.1	2.2	2.2	2.2
13.500	2.2	2.2	2.2	2.2	2.2
14.000	2.3	2.3	2.3	2.3	2.3
14.500	2.3	2.3	2.3	2.3	2.3
15.000	2.3	2.4	2.4	2.4	2.4
15.500	2.4	2.4	2.4	2.4	2.4
16.000	2.4	2.4	2.4	2.4	2.4
16.500	2.5	2.5	2.5	2.5	2.5
17.000	2.5	2.5	2.5	2.5	2.5
17.500	2.5	2.5	2.5	2.5	2.5
18.000	2.5	2.5	2.5	2.5	2.6
18.500	2.6	2.6	2.6	2.6	2.6

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

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)
19.000	2.6	2.6	2.6	2.6	2.6
19.500	2.6	2.6	2.6	2.6	2.6
20.000	2.6	2.6	2.6	2.6	2.6
20.500	2.6	2.6	2.6	2.6	2.6
21.000	2.7	2.7	2.7	2.7	2.7
21.500	2.7	2.7	2.7	2.7	2.7
22.000	2.7	2.7	2.7	2.7	2.7
22.500	2.7	2.7	2.7	2.7	2.7
23.000	2.7	2.7	2.7	2.7	2.7
23.500	2.7	2.7	2.7	2.7	2.7
24.000	2.8	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 25 years

Label: Monroe County, PA

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time-Depth Curve: 25-YR

Label	25-YR
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	0.0	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	0.2	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	0.2	0.3	0.3	0.3	0.3
4.000	0.3	0.3	0.3	0.3	0.3
4.500	0.3	0.3	0.3	0.4	0.4
5.000	0.4	0.4	0.4	0.4	0.4
5.500	0.4	0.4	0.4	0.5	0.5
6.000	0.5	0.5	0.5	0.5	0.5
6.500	0.5	0.5	0.6	0.6	0.6
7.000	0.6	0.6	0.6	0.6	0.6
7.500	0.6	0.7	0.7	0.7	0.7
8.000	0.7	0.7	0.7	0.8	0.8
8.500	0.8	0.8	0.8	0.8	0.9
9.000	0.9	0.9	0.9	0.9	0.9
9.500	1.0	1.0	1.0	1.0	1.0
10.000	1.1	1.1	1.1	1.1	1.2
10.500	1.2	1.2	1.3	1.3	1.3
11.000	1.4	1.4	1.5	1.5	1.6
11.500	1.7	1.8	2.1	2.6	3.4
12.000	3.9	4.0	4.1	4.2	4.3
12.500	4.4	4.4	4.4	4.5	4.5
13.000	4.6	4.6	4.6	4.7	4.7
13.500	4.7	4.8	4.8	4.8	4.8
14.000	4.9	4.9	4.9	4.9	4.9
14.500	5.0	5.0	5.0	5.0	5.0
15.000	5.1	5.1	5.1	5.1	5.1
15.500	5.1	5.2	5.2	5.2	5.2
16.000	5.2	5.2	5.2	5.2	5.3
16.500	5.3	5.3	5.3	5.3	5.3
17.000	5.3	5.4	5.4	5.4	5.4
17.500	5.4	5.4	5.4	5.4	5.4
18.000	5.5	5.5	5.5	5.5	5.5
18.500	5.5	5.5	5.5	5.5	5.5

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 25 years

Label: Monroe County, PA

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

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)
19.000	5.6	5.6	5.6	5.6	5.6
19.500	5.6	5.6	5.6	5.6	5.6
20.000	5.6	5.6	5.7	5.7	5.7
20.500	5.7	5.7	5.7	5.7	5.7
21.000	5.7	5.7	5.7	5.7	5.7
21.500	5.7	5.8	5.8	5.8	5.8
22.000	5.8	5.8	5.8	5.8	5.8
22.500	5.8	5.8	5.8	5.8	5.8
23.000	5.9	5.9	5.9	5.9	5.9
23.500	5.9	5.9	5.9	5.9	5.9
24.000	5.9	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Time-Depth Curve: 2-YR

Label	2-YR
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	0.0	0.0	0.0
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	0.1
3.500	0.1	0.1	0.1	0.1	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	0.2	0.2	0.2	0.2
5.500	0.2	0.2	0.2	0.3	0.3
6.000	0.3	0.3	0.3	0.3	0.3
6.500	0.3	0.3	0.3	0.3	0.3
7.000	0.3	0.3	0.3	0.3	0.4
7.500	0.4	0.4	0.4	0.4	0.4
8.000	0.4	0.4	0.4	0.4	0.4
8.500	0.4	0.4	0.5	0.5	0.5
9.000	0.5	0.5	0.5	0.5	0.5
9.500	0.5	0.5	0.6	0.6	0.6
10.000	0.6	0.6	0.6	0.6	0.7
10.500	0.7	0.7	0.7	0.7	0.8
11.000	0.8	0.8	0.8	0.9	0.9
11.500	0.9	1.0	1.2	1.4	1.9
12.000	2.2	2.3	2.3	2.4	2.4
12.500	2.4	2.5	2.5	2.5	2.5
13.000	2.5	2.6	2.6	2.6	2.6
13.500	2.6	2.7	2.7	2.7	2.7
14.000	2.7	2.7	2.7	2.7	2.8
14.500	2.8	2.8	2.8	2.8	2.8
15.000	2.8	2.8	2.8	2.8	2.9
15.500	2.9	2.9	2.9	2.9	2.9
16.000	2.9	2.9	2.9	2.9	2.9
16.500	2.9	2.9	3.0	3.0	3.0
17.000	3.0	3.0	3.0	3.0	3.0
17.500	3.0	3.0	3.0	3.0	3.0
18.000	3.0	3.0	3.1	3.1	3.1
18.500	3.1	3.1	3.1	3.1	3.1

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

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)
19.000	3.1	3.1	3.1	3.1	3.1
19.500	3.1	3.1	3.1	3.1	3.1
20.000	3.1	3.1	3.2	3.2	3.2
20.500	3.2	3.2	3.2	3.2	3.2
21.000	3.2	3.2	3.2	3.2	3.2
21.500	3.2	3.2	3.2	3.2	3.2
22.000	3.2	3.2	3.2	3.2	3.2
22.500	3.2	3.2	3.3	3.3	3.3
23.000	3.3	3.3	3.3	3.3	3.3
23.500	3.3	3.3	3.3	3.3	3.3
24.000	3.3	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 50 years

Label: Monroe County, PA

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time-Depth Curve: 50-YR

Label	50-YR
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	0.1
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	0.2	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.3	0.4	0.4	0.4
4.500	0.4	0.4	0.4	0.4	0.4
5.000	0.4	0.4	0.5	0.5	0.5
5.500	0.5	0.5	0.5	0.5	0.5
6.000	0.6	0.6	0.6	0.6	0.6
6.500	0.6	0.6	0.6	0.7	0.7
7.000	0.7	0.7	0.7	0.7	0.7
7.500	0.8	0.8	0.8	0.8	0.8
8.000	0.8	0.8	0.9	0.9	0.9
8.500	0.9	0.9	1.0	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	1.2
10.000	1.3	1.3	1.3	1.3	1.4
10.500	1.4	1.5	1.5	1.5	1.6
11.000	1.6	1.7	1.7	1.8	1.9
11.500	2.0	2.1	2.5	3.0	3.9
12.000	4.6	4.7	4.8	4.9	5.0
12.500	5.1	5.2	5.2	5.3	5.3
13.000	5.4	5.4	5.4	5.5	5.5
13.500	5.5	5.6	5.6	5.6	5.7
14.000	5.7	5.7	5.7	5.8	5.8
14.500	5.8	5.8	5.9	5.9	5.9
15.000	5.9	5.9	6.0	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
16.500	6.2	6.2	6.2	6.2	6.2
17.000	6.3	6.3	6.3	6.3	6.3
17.500	6.3	6.3	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

Post-Development Conditions

Subsection: Time-Depth Curve

Return Event: 50 years

Label: Monroe County, PA

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

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)
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	6.7	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	6.8	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	6.9
23.000	6.9	6.9	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: Monroe County, PA

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Time-Depth Curve: 5-YR

Label	5-YR
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	5 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	0.2	0.2	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	0.3
5.000	0.3	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	0.4	0.4
6.500	0.4	0.4	0.4	0.4	0.4
7.000	0.4	0.4	0.4	0.4	0.4
7.500	0.4	0.5	0.5	0.5	0.5
8.000	0.5	0.5	0.5	0.5	0.5
8.500	0.5	0.6	0.6	0.6	0.6
9.000	0.6	0.6	0.6	0.6	0.7
9.500	0.7	0.7	0.7	0.7	0.7
10.000	0.7	0.8	0.8	0.8	0.8
10.500	0.8	0.9	0.9	0.9	0.9
11.000	1.0	1.0	1.0	1.1	1.1
11.500	1.2	1.3	1.5	1.8	2.3
12.000	2.7	2.8	2.9	2.9	3.0
12.500	3.0	3.1	3.1	3.1	3.1
13.000	3.2	3.2	3.2	3.2	3.3
13.500	3.3	3.3	3.3	3.3	3.4
14.000	3.4	3.4	3.4	3.4	3.4
14.500	3.4	3.5	3.5	3.5	3.5
15.000	3.5	3.5	3.5	3.5	3.6
15.500	3.6	3.6	3.6	3.6	3.6
16.000	3.6	3.6	3.6	3.6	3.7
16.500	3.7	3.7	3.7	3.7	3.7
17.000	3.7	3.7	3.7	3.7	3.7
17.500	3.7	3.8	3.8	3.8	3.8
18.000	3.8	3.8	3.8	3.8	3.8
18.500	3.8	3.8	3.8	3.8	3.8

Post-Development Conditions

Subsection: Time-Depth Curve

Label: Monroe County, PA

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

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)
19.000	3.9	3.9	3.9	3.9	3.9
19.500	3.9	3.9	3.9	3.9	3.9
20.000	3.9	3.9	3.9	3.9	3.9
20.500	3.9	3.9	3.9	4.0	4.0
21.000	4.0	4.0	4.0	4.0	4.0
21.500	4.0	4.0	4.0	4.0	4.0
22.000	4.0	4.0	4.0	4.0	4.0
22.500	4.0	4.0	4.0	4.1	4.1
23.000	4.1	4.1	4.1	4.1	4.1
23.500	4.1	4.1	4.1	4.1	4.1
24.000	4.1	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-1

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	49.84 ft
Manning's n	0.400
Slope	0.136 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	0.15 ft/s
Segment Time of Concentration	0.094 hours

Segment #2: TR-55 Sheet Flow

Hydraulic Length	4.29 ft
Manning's n	0.200
Slope	0.210 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	0.19 ft/s
Segment Time of Concentration	0.006 hours

Segment #3: TR-55 Sheet Flow

Hydraulic Length	13.13 ft
Manning's n	0.011
Slope	0.038 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	1.20 ft/s
Segment Time of Concentration	0.003 hours

Time of Concentration (Composite)

Time of Concentration (Composite)	0.103 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-1

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

==== SCS Channel Flow

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

Where:

- $(L_f / V) / 3600$
- R= Hydraulic radius
- A_q= Flow area, square feet
- W_p= Wetted perimeter, feet
- V= Velocity, ft/sec
- S_f= Slope, ft/ft
- n= Manning's n
- T_c= Time of concentration, hours
- L_f= Flow length, feet

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	100.00 ft
Manning's n	0.400
Slope	0.086 ft/ft
2 Year 24 Hour Depth	33.0 in
Average Velocity	0.45 ft/s
Segment Time of Concentration	0.062 hours

Segment #2: TR-55 Shallow Concentrated Flow

Hydraulic Length	1.23 ft
Is Paved?	False
Slope	0.163 ft/ft
Average Velocity	6.51 ft/s
Segment Time of Concentration	0.000 hours

Segment #3: TR-55 Shallow Concentrated Flow

Hydraulic Length	13.45 ft
Is Paved?	False
Slope	0.230 ft/ft
Average Velocity	7.74 ft/s
Segment Time of Concentration	0.000 hours

Segment #4: TR-55 Shallow Concentrated Flow

Hydraulic Length	45.15 ft
Is Paved?	False
Slope	0.040 ft/ft
Average Velocity	3.22 ft/s
Segment Time of Concentration	0.004 hours

Segment #5: TR-55 Shallow Concentrated Flow

Hydraulic Length	8.24 ft
Is Paved?	False
Slope	0.243 ft/ft
Average Velocity	7.95 ft/s
Segment Time of Concentration	0.000 hours

Segment #6: TR-55 Shallow Concentrated Flow

Hydraulic Length	14.86 ft
Is Paved?	False
Slope	0.047 ft/ft

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Segment #6: TR-55 Shallow Concentrated Flow	
Average Velocity	3.50 ft/s
Segment Time of Concentration	0.001 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.068 hours

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

==== SCS Channel Flow

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

Where:

$(L_f / V) / 3600$

R= Hydraulic radius
A_q= Flow area, square feet
W_p= Wetted perimeter, feet
V= Velocity, ft/sec
S_f= Slope, ft/ft
n= Manning's n
T_c= Time of concentration, hours
L_f= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

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

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

Where:

$(L_f / V) / 3600$

V= Velocity, ft/sec
S_f= Slope, ft/ft
T_c= Time of concentration, hours
L_f= Flow length, feet

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	100.00 ft
Manning's n	0.400
Slope	0.093 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	0.15 ft/s
Segment Time of Concentration	0.190 hours

Segment #2: TR-55 Shallow Concentrated Flow	
Hydraulic Length	10.28 ft
Is Paved?	False
Slope	0.107 ft/ft
Average Velocity	5.28 ft/s
Segment Time of Concentration	0.001 hours

Segment #3: TR-55 Shallow Concentrated Flow	
Hydraulic Length	4.01 ft
Is Paved?	False
Slope	0.100 ft/ft
Average Velocity	5.10 ft/s
Segment Time of Concentration	0.000 hours

Segment #4: TR-55 Shallow Concentrated Flow	
Hydraulic Length	12.00 ft
Is Paved?	False
Slope	0.042 ft/ft
Average Velocity	3.29 ft/s
Segment Time of Concentration	0.001 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.192 hours

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

==== SCS Channel Flow

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

Where:

$(L_f / V) / 3600$

R= Hydraulic radius
A_q= Flow area, square feet
W_p= Wetted perimeter, feet
V= Velocity, ft/sec
S_f= Slope, ft/ft
n= Manning's n
T_c= Time of concentration, hours
L_f= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

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

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

Where:

$(L_f / V) / 3600$

V= Velocity, ft/sec
S_f= Slope, ft/ft
T_c= Time of concentration, hours
L_f= Flow length, feet

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-4

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	76.81 ft
Manning's n	0.400
Slope	0.139 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	0.16 ft/s
Segment Time of Concentration	0.131 hours
Segment #2: TR-55 Sheet Flow	
Hydraulic Length	4.54 ft
Manning's n	0.200
Slope	0.198 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	0.19 ft/s
Segment Time of Concentration	0.007 hours
Segment #3: TR-55 Sheet Flow	
Hydraulic Length	18.65 ft
Manning's n	0.011
Slope	0.065 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	1.60 ft/s
Segment Time of Concentration	0.003 hours
Segment #4: TR-55 Shallow Concentrated Flow	
Hydraulic Length	3.04 ft
Is Paved?	False
Slope	0.065 ft/ft
Average Velocity	4.10 ft/s
Segment Time of Concentration	0.000 hours
Time of Concentration (Composite)	
Time of Concentration (Composite)	0.142 hours

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-4

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

==== SCS Channel Flow

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

Where:

$$(L_f / V) / 3600$$

R= Hydraulic radius
A_q= Flow area, square feet
W_p= Wetted perimeter, feet
V= Velocity, ft/sec
S_f= Slope, ft/ft
n= Manning's n
T_c= Time of concentration, hours
L_f= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

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

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

Where:

$$(L_f / V) / 3600$$

V= Velocity, ft/sec
S_f= Slope, ft/ft
T_c= Time of concentration, hours
L_f= Flow length, feet

Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-5

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time of Concentration Results

Segment #1: TR-55 Sheet Flow

Hydraulic Length	54.13 ft
Manning's n	0.400
Slope	0.142 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	0.15 ft/s
Segment Time of Concentration	0.098 hours

Segment #2: TR-55 Sheet Flow

Hydraulic Length	13.13 ft
Manning's n	0.011
Slope	0.038 ft/ft
2 Year 24 Hour Depth	3.3 in
Average Velocity	1.20 ft/s
Segment Time of Concentration	0.003 hours

Time of Concentration (Composite)

Time of Concentration (Composite)	0.101 hours
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Post-Development Conditions

Subsection: Time of Concentration Calculations

Label: DA-5

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

=== SCS Channel Flow

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

Where:

- $(L_f / V) / 3600$
- R= Hydraulic radius
- A_q= Flow area, square feet
- W_p= Wetted perimeter, feet
- V= Velocity, ft/sec
- S_f= Slope, ft/ft
- n= Manning's n
- T_c= Time of concentration, hours
- L_f= Flow length, feet

Post-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method (Computational Notes)

Definition of Terms

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

Post-Development Conditions

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method

Computational Notes

Precipitation

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

Pervious Area Runoff (using SCS Runoff CN Method)

Column (5)	$R_{ap}(t)$ = Accumulated pervious runoff for time step t If $(P_a(t) \leq 0.2S_p)$ then use: $R_{ap}(t) = 0.0$ If $(P_a(t) > 0.2S_p)$ then use: $R_{ap}(t) = (Col.(4) - 0.2S_p) \times 2 / (Col.(4) + 0.8S_p)$
Column (6)	$R_{ip}(t)$ = Incremental pervious runoff for time step t $R_{ip}(t) = R_{ap}(t) - R_{ap}(t-1)$ $R_{ip}(t) = Col.(5)$ for current row - $Col.(5)$ for preceding row.

Impervious Area Runoff

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

Column (9)	$R(t) = (A_p/A_t) \times R_{ip}(t) + (A_i/A_t) \times R_{ii}(t)$ $R(t) = (A_p/A_t) \times Col.(6) + (A_i/A_t) \times Col.(8)$
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SCS Unit Hydrograph Method

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

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Storm Event	1-YR
Return Event	1 years
Duration	24.000 hours
Depth	2.8 in
Time of Concentration (Composite)	0.103 hours
Area (User Defined)	12,623 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.100	0.00	0.00	0.00	0.00	0.00
10.350	0.00	0.00	0.00	0.00	0.00
10.600	0.00	0.00	0.00	0.00	0.00
10.850	0.01	0.01	0.01	0.01	0.01
11.100	0.01	0.01	0.01	0.01	0.01
11.350	0.01	0.02	0.02	0.02	0.03
11.600	0.04	0.06	0.09	0.13	0.19
11.850	0.29	0.44	0.49	0.45	0.36
12.100	0.19	0.12	0.09	0.08	0.08
12.350	0.07	0.06	0.06	0.05	0.05
12.600	0.05	0.04	0.04	0.04	0.04
12.850	0.04	0.04	0.04	0.03	0.03
13.100	0.03	0.03	0.03	0.03	0.03
13.350	0.03	0.03	0.03	0.03	0.03
13.600	0.03	0.02	0.02	0.02	0.02
13.850	0.02	0.02	0.02	0.02	0.02
14.100	0.02	0.02	0.02	0.02	0.02
14.350	0.02	0.02	0.02	0.02	0.02
14.600	0.02	0.02	0.02	0.02	0.02
14.850	0.02	0.02	0.02	0.02	0.02
15.100	0.02	0.02	0.02	0.02	0.02
15.350	0.02	0.02	0.02	0.02	0.02
15.600	0.01	0.01	0.01	0.01	0.01
15.850	0.01	0.01	0.01	0.01	0.01
16.100	0.01	0.01	0.01	0.01	0.01
16.350	0.01	0.01	0.01	0.01	0.01
16.600	0.01	0.01	0.01	0.01	0.01
16.850	0.01	0.01	0.01	0.01	0.01
17.100	0.01	0.01	0.01	0.01	0.01
17.350	0.01	0.01	0.01	0.01	0.01
17.600	0.01	0.01	0.01	0.01	0.01
17.850	0.01	0.01	0.01	0.01	0.01
18.100	0.01	0.01	0.01	0.01	0.01
18.350	0.01	0.01	0.01	0.01	0.01
18.600	0.01	0.01	0.01	0.01	0.01
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 1 years

Label: DA-1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Storm Event	2-YR
Return Event	2 years
Duration	24.000 hours
Depth	3.3 in
Time of Concentration (Composite)	0.103 hours
Area (User Defined)	12,623 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.250	0.00	0.00	0.00	0.00	0.00
9.500	0.00	0.00	0.00	0.00	0.00
9.750	0.00	0.00	0.00	0.00	0.00
10.000	0.00	0.00	0.00	0.00	0.00
10.250	0.01	0.01	0.01	0.01	0.01
10.500	0.01	0.01	0.01	0.01	0.01
10.750	0.01	0.01	0.01	0.01	0.01
11.000	0.01	0.01	0.02	0.02	0.02
11.250	0.02	0.02	0.02	0.03	0.03
11.500	0.03	0.04	0.06	0.09	0.14
11.750	0.20	0.29	0.42	0.62	0.68
12.000	0.62	0.49	0.26	0.16	0.13
12.250	0.11	0.10	0.09	0.09	0.08
12.500	0.07	0.07	0.06	0.06	0.06
12.750	0.05	0.05	0.05	0.05	0.05
13.000	0.05	0.04	0.04	0.04	0.04
13.250	0.04	0.04	0.04	0.04	0.04
13.500	0.03	0.03	0.03	0.03	0.03
13.750	0.03	0.03	0.03	0.03	0.03
14.000	0.03	0.03	0.03	0.03	0.03
14.250	0.03	0.03	0.03	0.02	0.02
14.500	0.02	0.02	0.02	0.02	0.02
14.750	0.02	0.02	0.02	0.02	0.02
15.000	0.02	0.02	0.02	0.02	0.02
15.250	0.02	0.02	0.02	0.02	0.02
15.500	0.02	0.02	0.02	0.02	0.02
15.750	0.02	0.02	0.02	0.02	0.02
16.000	0.02	0.02	0.02	0.02	0.02
16.250	0.02	0.02	0.02	0.02	0.02
16.500	0.02	0.02	0.02	0.02	0.02
16.750	0.02	0.02	0.02	0.02	0.02
17.000	0.02	0.02	0.02	0.02	0.01
17.250	0.01	0.01	0.01	0.01	0.01
17.500	0.01	0.01	0.01	0.01	0.01
17.750	0.01	0.01	0.01	0.01	0.01
18.000	0.01	0.01	0.01	0.01	0.01
18.250	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: DA-1

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.500	0.01	0.01	0.01	0.01	0.01
18.750	0.01	0.01	0.01	0.01	0.01
19.000	0.01	0.01	0.01	0.01	0.01
19.250	0.01	0.01	0.01	0.01	0.01
19.500	0.01	0.01	0.01	0.01	0.01
19.750	0.01	0.01	0.01	0.01	0.01
20.000	0.01	0.01	0.01	0.01	0.01
20.250	0.01	0.01	0.01	0.01	0.01
20.500	0.01	0.01	0.01	0.01	0.01
20.750	0.01	0.01	0.01	0.01	0.01
21.000	0.01	0.01	0.01	0.01	0.01
21.250	0.01	0.01	0.01	0.01	0.01
21.500	0.01	0.01	0.01	0.01	0.01
21.750	0.01	0.01	0.01	0.01	0.01
22.000	0.01	0.01	0.01	0.01	0.01
22.250	0.01	0.01	0.01	0.01	0.01
22.500	0.01	0.01	0.01	0.01	0.01
22.750	0.01	0.01	0.01	0.01	0.01
23.000	0.01	0.01	0.01	0.01	0.01
23.250	0.01	0.01	0.01	0.01	0.01
23.500	0.01	0.01	0.01	0.01	0.01
23.750	0.01	0.01	0.01	0.01	0.01
24.000	0.01	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-1

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Storm Event	5-YR
Return Event	5 years
Duration	24.000 hours
Depth	4.1 in
Time of Concentration (Composite)	0.103 hours
Area (User Defined)	12,623 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.250	0.00	0.00	0.00	0.00	0.00
8.500	0.00	0.00	0.00	0.00	0.00
8.750	0.00	0.00	0.00	0.00	0.00
9.000	0.00	0.00	0.00	0.00	0.00
9.250	0.00	0.00	0.01	0.01	0.01
9.500	0.01	0.01	0.01	0.01	0.01
9.750	0.01	0.01	0.01	0.01	0.01
10.000	0.01	0.01	0.01	0.01	0.01
10.250	0.01	0.01	0.01	0.01	0.01
10.500	0.01	0.02	0.02	0.02	0.02
10.750	0.02	0.02	0.02	0.02	0.02
11.000	0.03	0.03	0.03	0.03	0.03
11.250	0.04	0.04	0.04	0.05	0.05
11.500	0.05	0.07	0.10	0.15	0.23
11.750	0.31	0.44	0.62	0.90	0.96
12.000	0.87	0.68	0.36	0.22	0.17
12.250	0.15	0.14	0.13	0.12	0.11
12.500	0.10	0.09	0.08	0.08	0.08
12.750	0.07	0.07	0.07	0.07	0.06
13.000	0.06	0.06	0.06	0.06	0.05
13.250	0.05	0.05	0.05	0.05	0.05
13.500	0.05	0.05	0.04	0.04	0.04
13.750	0.04	0.04	0.04	0.04	0.04
14.000	0.04	0.04	0.04	0.04	0.03
14.250	0.03	0.03	0.03	0.03	0.03
14.500	0.03	0.03	0.03	0.03	0.03
14.750	0.03	0.03	0.03	0.03	0.03
15.000	0.03	0.03	0.03	0.03	0.03
15.250	0.03	0.03	0.03	0.03	0.03
15.500	0.03	0.03	0.03	0.03	0.03
15.750	0.02	0.02	0.02	0.02	0.02
16.000	0.02	0.02	0.02	0.02	0.02
16.250	0.02	0.02	0.02	0.02	0.02
16.500	0.02	0.02	0.02	0.02	0.02
16.750	0.02	0.02	0.02	0.02	0.02
17.000	0.02	0.02	0.02	0.02	0.02
17.250	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 5 years

Label: DA-1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.500	0.02	0.02	0.02	0.02	0.02
17.750	0.02	0.02	0.02	0.02	0.02
18.000	0.02	0.02	0.02	0.02	0.02
18.250	0.02	0.02	0.02	0.02	0.02
18.500	0.02	0.02	0.02	0.02	0.02
18.750	0.02	0.02	0.02	0.02	0.02
19.000	0.02	0.02	0.02	0.02	0.02
19.250	0.02	0.01	0.01	0.01	0.01
19.500	0.01	0.01	0.01	0.01	0.01
19.750	0.01	0.01	0.01	0.01	0.01
20.000	0.01	0.01	0.01	0.01	0.01
20.250	0.01	0.01	0.01	0.01	0.01
20.500	0.01	0.01	0.01	0.01	0.01
20.750	0.01	0.01	0.01	0.01	0.01
21.000	0.01	0.01	0.01	0.01	0.01
21.250	0.01	0.01	0.01	0.01	0.01
21.500	0.01	0.01	0.01	0.01	0.01
21.750	0.01	0.01	0.01	0.01	0.01
22.000	0.01	0.01	0.01	0.01	0.01
22.250	0.01	0.01	0.01	0.01	0.01
22.500	0.01	0.01	0.01	0.01	0.01
22.750	0.01	0.01	0.01	0.01	0.01
23.000	0.01	0.01	0.01	0.01	0.01
23.250	0.01	0.01	0.01	0.01	0.01
23.500	0.01	0.01	0.01	0.01	0.01
23.750	0.01	0.01	0.01	0.01	0.01
24.000	0.01	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Storm Event	10-YR
Return Event	10 years
Duration	24.000 hours
Depth	4.8 in
Time of Concentration (Composite)	0.103 hours
Area (User Defined)	12,623 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.400	0.00	0.00	0.00	0.00	0.00
7.650	0.00	0.00	0.00	0.00	0.00
7.900	0.00	0.00	0.00	0.00	0.00
8.150	0.00	0.00	0.00	0.00	0.00
8.400	0.00	0.00	0.00	0.00	0.01
8.650	0.01	0.01	0.01	0.01	0.01
8.900	0.01	0.01	0.01	0.01	0.01
9.150	0.01	0.01	0.01	0.01	0.01
9.400	0.01	0.01	0.01	0.01	0.01
9.650	0.01	0.01	0.01	0.01	0.01
9.900	0.01	0.01	0.01	0.02	0.02
10.150	0.02	0.02	0.02	0.02	0.02
10.400	0.02	0.02	0.02	0.02	0.02
10.650	0.03	0.03	0.03	0.03	0.03
10.900	0.03	0.04	0.04	0.04	0.04
11.150	0.04	0.05	0.05	0.06	0.06
11.400	0.06	0.07	0.07	0.10	0.14
11.650	0.21	0.31	0.42	0.57	0.80
11.900	1.15	1.22	1.10	0.85	0.45
12.150	0.28	0.21	0.19	0.17	0.16
12.400	0.15	0.13	0.12	0.11	0.10
12.650	0.10	0.09	0.09	0.09	0.08
12.900	0.08	0.08	0.08	0.07	0.07
13.150	0.07	0.07	0.07	0.06	0.06
13.400	0.06	0.06	0.06	0.06	0.05
13.650	0.05	0.05	0.05	0.05	0.05
13.900	0.05	0.05	0.05	0.04	0.04
14.150	0.04	0.04	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.03	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Storm Event	25-YR
Return Event	25 years
Duration	24.000 hours
Depth	5.9 in
Time of Concentration (Composite)	0.103 hours
Area (User Defined)	12,623 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.350	0.00	0.00	0.00	0.00	0.00
6.600	0.00	0.00	0.00	0.00	0.00
6.850	0.00	0.00	0.00	0.00	0.00
7.100	0.00	0.00	0.00	0.00	0.00
7.350	0.00	0.00	0.00	0.00	0.00
7.600	0.01	0.01	0.01	0.01	0.01
7.850	0.01	0.01	0.01	0.01	0.01
8.100	0.01	0.01	0.01	0.01	0.01
8.350	0.01	0.01	0.01	0.01	0.01
8.600	0.01	0.01	0.01	0.01	0.01
8.850	0.01	0.01	0.01	0.01	0.01
9.100	0.02	0.02	0.02	0.02	0.02
9.350	0.02	0.02	0.02	0.02	0.02
9.600	0.02	0.02	0.02	0.02	0.02
9.850	0.02	0.02	0.02	0.02	0.03
10.100	0.03	0.03	0.03	0.03	0.03
10.350	0.03	0.03	0.03	0.04	0.04
10.600	0.04	0.04	0.04	0.05	0.05
10.850	0.05	0.05	0.05	0.06	0.06
11.100	0.06	0.07	0.07	0.08	0.08
11.350	0.09	0.10	0.10	0.11	0.14
11.600	0.20	0.30	0.44	0.59	0.79
11.850	1.10	1.55	1.63	1.45	1.12
12.100	0.58	0.36	0.28	0.25	0.22
12.350	0.21	0.19	0.17	0.16	0.14
12.600	0.13	0.13	0.12	0.12	0.11
12.850	0.11	0.11	0.10	0.10	0.09
13.100	0.09	0.09	0.09	0.08	0.08
13.350	0.08	0.08	0.08	0.07	0.07
13.600	0.07	0.07	0.07	0.07	0.06
13.850	0.06	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.05	0.05
14.350	0.05	0.05	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.850	0.05	0.05	0.05	0.05	0.05
15.100	0.05	0.05	0.04	0.04	0.04
15.350	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.600	0.04	0.04	0.04	0.04	0.04
15.850	0.04	0.04	0.04	0.04	0.04
16.100	0.04	0.04	0.04	0.03	0.03
16.350	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.03	0.03	0.03
17.850	0.03	0.03	0.03	0.03	0.03
18.100	0.03	0.03	0.03	0.03	0.03
18.350	0.03	0.03	0.03	0.03	0.03
18.600	0.03	0.03	0.03	0.03	0.03
18.850	0.03	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02
22.350	0.02	0.02	0.02	0.02	0.02
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.02	0.02	0.02	0.02	0.02
23.600	0.02	0.02	0.02	0.02	0.02
23.850	0.02	0.02	0.02	0.02	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Storm Event	50-YR
Return Event	50 years
Duration	24.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.103 hours
Area (User Defined)	12,623 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.650	0.00	0.00	0.00	0.00	0.00
5.900	0.00	0.00	0.00	0.00	0.00
6.150	0.00	0.00	0.00	0.00	0.00
6.400	0.00	0.00	0.00	0.00	0.00
6.650	0.00	0.01	0.01	0.01	0.01
6.900	0.01	0.01	0.01	0.01	0.01
7.150	0.01	0.01	0.01	0.01	0.01
7.400	0.01	0.01	0.01	0.01	0.01
7.650	0.01	0.01	0.01	0.01	0.01
7.900	0.01	0.01	0.01	0.01	0.01
8.150	0.01	0.01	0.01	0.01	0.01
8.400	0.01	0.01	0.02	0.02	0.02
8.650	0.02	0.02	0.02	0.02	0.02
8.900	0.02	0.02	0.02	0.02	0.02
9.150	0.02	0.02	0.02	0.02	0.02
9.400	0.02	0.02	0.03	0.03	0.03
9.650	0.03	0.03	0.03	0.03	0.03
9.900	0.03	0.03	0.03	0.04	0.04
10.150	0.04	0.04	0.04	0.04	0.04
10.400	0.05	0.05	0.05	0.05	0.05
10.650	0.06	0.06	0.06	0.06	0.07
10.900	0.07	0.07	0.08	0.08	0.08
11.150	0.09	0.10	0.10	0.11	0.12
11.400	0.13	0.13	0.14	0.18	0.27
11.650	0.38	0.56	0.75	1.00	1.37
11.900	1.93	2.01	1.78	1.37	0.71
12.150	0.44	0.34	0.30	0.27	0.25
12.400	0.23	0.21	0.19	0.17	0.16
12.650	0.15	0.15	0.14	0.14	0.13
12.900	0.13	0.12	0.12	0.11	0.11
13.150	0.11	0.10	0.10	0.10	0.10
13.400	0.09	0.09	0.09	0.09	0.09
13.650	0.08	0.08	0.08	0.08	0.08
13.900	0.07	0.07	0.07	0.07	0.07
14.150	0.07	0.07	0.07	0.07	0.06
14.400	0.06	0.06	0.06	0.06	0.06
14.650	0.06	0.06	0.06	0.06	0.06

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.900	0.06	0.06	0.06	0.06	0.06
15.150	0.05	0.05	0.05	0.05	0.05
15.400	0.05	0.05	0.05	0.05	0.05
15.650	0.05	0.05	0.05	0.05	0.05
15.900	0.04	0.04	0.04	0.04	0.04
16.150	0.04	0.04	0.04	0.04	0.04
16.400	0.04	0.04	0.04	0.04	0.04
16.650	0.04	0.04	0.04	0.04	0.04
16.900	0.04	0.04	0.04	0.04	0.04
17.150	0.04	0.04	0.04	0.04	0.04
17.400	0.04	0.04	0.04	0.04	0.04
17.650	0.04	0.04	0.04	0.03	0.03
17.900	0.03	0.03	0.03	0.03	0.03
18.150	0.03	0.03	0.03	0.03	0.03
18.400	0.03	0.03	0.03	0.03	0.03
18.650	0.03	0.03	0.03	0.03	0.03
18.900	0.03	0.03	0.03	0.03	0.03
19.150	0.03	0.03	0.03	0.03	0.03
19.400	0.03	0.03	0.03	0.03	0.03
19.650	0.03	0.03	0.03	0.03	0.03
19.900	0.03	0.03	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Storm Event	100-YR
Return Event	100 years
Duration	24.000 hours
Depth	8.2 in
Time of Concentration (Composite)	0.103 hours
Area (User Defined)	12,623 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
4.950	0.00	0.00	0.00	0.00	0.00
5.200	0.00	0.00	0.00	0.00	0.00
5.450	0.00	0.00	0.00	0.00	0.00
5.700	0.00	0.00	0.00	0.00	0.01
5.950	0.01	0.01	0.01	0.01	0.01
6.200	0.01	0.01	0.01	0.01	0.01
6.450	0.01	0.01	0.01	0.01	0.01
6.700	0.01	0.01	0.01	0.01	0.01
6.950	0.01	0.01	0.01	0.01	0.01
7.200	0.01	0.01	0.01	0.01	0.01
7.450	0.01	0.01	0.01	0.01	0.01
7.700	0.01	0.02	0.02	0.02	0.02
7.950	0.02	0.02	0.02	0.02	0.02
8.200	0.02	0.02	0.02	0.02	0.02
8.450	0.02	0.02	0.02	0.02	0.02
8.700	0.03	0.03	0.03	0.03	0.03
8.950	0.03	0.03	0.03	0.03	0.03
9.200	0.03	0.03	0.03	0.03	0.03
9.450	0.03	0.04	0.04	0.04	0.04
9.700	0.04	0.04	0.04	0.04	0.04
9.950	0.05	0.05	0.05	0.05	0.05
10.200	0.05	0.06	0.06	0.06	0.06
10.450	0.06	0.07	0.07	0.07	0.07
10.700	0.08	0.08	0.09	0.09	0.09
10.950	0.10	0.10	0.10	0.11	0.12
11.200	0.13	0.13	0.14	0.15	0.16
11.450	0.17	0.18	0.24	0.34	0.49
11.700	0.71	0.94	1.26	1.71	2.37
11.950	2.47	2.17	1.66	0.86	0.53
12.200	0.41	0.36	0.33	0.30	0.28
12.450	0.25	0.23	0.21	0.19	0.18
12.700	0.18	0.17	0.16	0.16	0.15
12.950	0.15	0.14	0.14	0.13	0.13
13.200	0.13	0.12	0.12	0.12	0.11
13.450	0.11	0.11	0.11	0.10	0.10
13.700	0.10	0.10	0.09	0.09	0.09
13.950	0.09	0.09	0.08	0.08	0.08

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.200	0.08	0.08	0.08	0.08	0.08
14.450	0.08	0.08	0.07	0.07	0.07
14.700	0.07	0.07	0.07	0.07	0.07
14.950	0.07	0.07	0.07	0.07	0.07
15.200	0.06	0.06	0.06	0.06	0.06
15.450	0.06	0.06	0.06	0.06	0.06
15.700	0.06	0.06	0.06	0.05	0.05
15.950	0.05	0.05	0.05	0.05	0.05
16.200	0.05	0.05	0.05	0.05	0.05
16.450	0.05	0.05	0.05	0.05	0.05
16.700	0.05	0.05	0.05	0.05	0.05
16.950	0.05	0.05	0.05	0.05	0.05
17.200	0.05	0.04	0.04	0.04	0.04
17.450	0.04	0.04	0.04	0.04	0.04
17.700	0.04	0.04	0.04	0.04	0.04
17.950	0.04	0.04	0.04	0.04	0.04
18.200	0.04	0.04	0.04	0.04	0.04
18.450	0.04	0.04	0.04	0.04	0.04
18.700	0.04	0.04	0.04	0.04	0.04
18.950	0.04	0.04	0.03	0.03	0.03
19.200	0.03	0.03	0.03	0.03	0.03
19.450	0.03	0.03	0.03	0.03	0.03
19.700	0.03	0.03	0.03	0.03	0.03
19.950	0.03	0.03	0.03	0.03	0.03
20.200	0.03	0.03	0.03	0.03	0.03
20.450	0.03	0.03	0.03	0.03	0.03
20.700	0.03	0.03	0.03	0.03	0.03
20.950	0.03	0.03	0.03	0.03	0.03
21.200	0.03	0.03	0.03	0.03	0.03
21.450	0.03	0.03	0.03	0.03	0.03
21.700	0.03	0.03	0.03	0.03	0.03
21.950	0.03	0.03	0.03	0.03	0.03
22.200	0.03	0.03	0.03	0.03	0.03
22.450	0.03	0.03	0.03	0.03	0.03
22.700	0.03	0.03	0.03	0.03	0.03
22.950	0.03	0.03	0.03	0.03	0.03
23.200	0.03	0.03	0.03	0.03	0.03
23.450	0.03	0.03	0.03	0.03	0.03
23.700	0.03	0.03	0.03	0.03	0.03
23.950	0.02	0.02	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Storm Event	1-YR
Return Event	1 years
Duration	24.000 hours
Depth	2.8 in
Time of Concentration (Composite)	0.068 hours
Area (User Defined)	19,538 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.500	0.00	0.00	0.00	0.00	0.00
9.750	0.00	0.00	0.00	0.00	0.00
10.000	0.00	0.00	0.00	0.00	0.00
10.250	0.01	0.01	0.01	0.01	0.01
10.500	0.01	0.01	0.01	0.01	0.01
10.750	0.01	0.01	0.01	0.01	0.01
11.000	0.02	0.02	0.02	0.02	0.02
11.250	0.02	0.03	0.03	0.03	0.03
11.500	0.04	0.06	0.08	0.14	0.20
11.750	0.30	0.39	0.63	0.87	0.82
12.000	0.74	0.44	0.20	0.15	0.14
12.250	0.13	0.12	0.11	0.10	0.09
12.500	0.08	0.08	0.07	0.07	0.07
12.750	0.07	0.06	0.06	0.06	0.06
13.000	0.06	0.05	0.05	0.05	0.05
13.250	0.05	0.05	0.05	0.05	0.04
13.500	0.04	0.04	0.04	0.04	0.04
13.750	0.04	0.04	0.04	0.04	0.03
14.000	0.03	0.03	0.03	0.03	0.03
14.250	0.03	0.03	0.03	0.03	0.03
14.500	0.03	0.03	0.03	0.03	0.03
14.750	0.03	0.03	0.03	0.03	0.03
15.000	0.03	0.03	0.03	0.03	0.03
15.250	0.03	0.03	0.03	0.03	0.02
15.500	0.02	0.02	0.02	0.02	0.02
15.750	0.02	0.02	0.02	0.02	0.02
16.000	0.02	0.02	0.02	0.02	0.02
16.250	0.02	0.02	0.02	0.02	0.02
16.500	0.02	0.02	0.02	0.02	0.02
16.750	0.02	0.02	0.02	0.02	0.02
17.000	0.02	0.02	0.02	0.02	0.02
17.250	0.02	0.02	0.02	0.02	0.02
17.500	0.02	0.02	0.02	0.02	0.02
17.750	0.02	0.02	0.02	0.02	0.02
18.000	0.02	0.02	0.02	0.02	0.02
18.250	0.02	0.02	0.02	0.02	0.02
18.500	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 1 years

Label: DA-2

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.750	0.02	0.02	0.02	0.02	0.01
19.000	0.01	0.01	0.01	0.01	0.01
19.250	0.01	0.01	0.01	0.01	0.01
19.500	0.01	0.01	0.01	0.01	0.01
19.750	0.01	0.01	0.01	0.01	0.01
20.000	0.01	0.01	0.01	0.01	0.01
20.250	0.01	0.01	0.01	0.01	0.01
20.500	0.01	0.01	0.01	0.01	0.01
20.750	0.01	0.01	0.01	0.01	0.01
21.000	0.01	0.01	0.01	0.01	0.01
21.250	0.01	0.01	0.01	0.01	0.01
21.500	0.01	0.01	0.01	0.01	0.01
21.750	0.01	0.01	0.01	0.01	0.01
22.000	0.01	0.01	0.01	0.01	0.01
22.250	0.01	0.01	0.01	0.01	0.01
22.500	0.01	0.01	0.01	0.01	0.01
22.750	0.01	0.01	0.01	0.01	0.01
23.000	0.01	0.01	0.01	0.01	0.01
23.250	0.01	0.01	0.01	0.01	0.01
23.500	0.01	0.01	0.01	0.01	0.01
23.750	0.01	0.01	0.01	0.01	0.01
24.000	0.01	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-2

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Storm Event	2-YR
Return Event	2 years
Duration	24.000 hours
Depth	3.3 in
Time of Concentration (Composite)	0.068 hours
Area (User Defined)	19,538 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.600	0.00	0.00	0.00	0.00	0.00
8.850	0.00	0.00	0.00	0.00	0.00
9.100	0.00	0.00	0.00	0.00	0.00
9.350	0.00	0.00	0.00	0.00	0.01
9.600	0.01	0.01	0.01	0.01	0.01
9.850	0.01	0.01	0.01	0.01	0.01
10.100	0.01	0.01	0.01	0.01	0.01
10.350	0.01	0.01	0.01	0.02	0.02
10.600	0.02	0.02	0.02	0.02	0.02
10.850	0.02	0.02	0.03	0.03	0.03
11.100	0.03	0.03	0.04	0.04	0.04
11.350	0.05	0.05	0.06	0.06	0.10
11.600	0.13	0.22	0.29	0.43	0.56
11.850	0.89	1.19	1.10	0.99	0.58
12.100	0.26	0.20	0.18	0.17	0.16
12.350	0.14	0.13	0.12	0.11	0.10
12.600	0.09	0.09	0.09	0.09	0.08
12.850	0.08	0.08	0.07	0.07	0.07
13.100	0.07	0.07	0.06	0.06	0.06
13.350	0.06	0.06	0.06	0.06	0.05
13.600	0.05	0.05	0.05	0.05	0.05
13.850	0.05	0.05	0.04	0.04	0.04
14.100	0.04	0.04	0.04	0.04	0.04
14.350	0.04	0.04	0.04	0.04	0.04
14.600	0.04	0.04	0.04	0.04	0.04
14.850	0.04	0.04	0.04	0.04	0.04
15.100	0.03	0.03	0.03	0.03	0.03
15.350	0.03	0.03	0.03	0.03	0.03
15.600	0.03	0.03	0.03	0.03	0.03
15.850	0.03	0.03	0.03	0.03	0.03
16.100	0.03	0.03	0.03	0.03	0.03
16.350	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.02	0.02	0.02	0.02	0.02
17.100	0.02	0.02	0.02	0.02	0.02
17.350	0.02	0.02	0.02	0.02	0.02
17.600	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: DA-2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.850	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.350	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.02
18.850	0.02	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-2

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Storm Event	5-YR
Return Event	5 years
Duration	24.000 hours
Depth	4.1 in
Time of Concentration (Composite)	0.068 hours
Area (User Defined)	19,538 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.500	0.00	0.00	0.00	0.00	0.00
7.750	0.00	0.00	0.00	0.00	0.00
8.000	0.00	0.00	0.00	0.00	0.00
8.250	0.00	0.00	0.00	0.00	0.00
8.500	0.01	0.01	0.01	0.01	0.01
8.750	0.01	0.01	0.01	0.01	0.01
9.000	0.01	0.01	0.01	0.01	0.01
9.250	0.01	0.01	0.01	0.01	0.01
9.500	0.01	0.01	0.01	0.01	0.01
9.750	0.01	0.02	0.02	0.02	0.02
10.000	0.02	0.02	0.02	0.02	0.02
10.250	0.02	0.02	0.03	0.03	0.03
10.500	0.03	0.03	0.03	0.03	0.03
10.750	0.04	0.04	0.04	0.04	0.05
11.000	0.05	0.05	0.05	0.06	0.06
11.250	0.07	0.07	0.08	0.08	0.09
11.500	0.10	0.15	0.20	0.33	0.45
11.750	0.65	0.82	1.28	1.68	1.53
12.000	1.37	0.80	0.36	0.27	0.25
12.250	0.23	0.21	0.20	0.18	0.16
12.500	0.15	0.14	0.13	0.12	0.12
12.750	0.11	0.11	0.11	0.10	0.10
13.000	0.10	0.09	0.09	0.09	0.09
13.250	0.08	0.08	0.08	0.08	0.08
13.500	0.07	0.07	0.07	0.07	0.07
13.750	0.07	0.06	0.06	0.06	0.06
14.000	0.06	0.06	0.06	0.06	0.06
14.250	0.05	0.05	0.05	0.05	0.05
14.500	0.05	0.05	0.05	0.05	0.05
14.750	0.05	0.05	0.05	0.05	0.05
15.000	0.05	0.05	0.05	0.05	0.05
15.250	0.04	0.04	0.04	0.04	0.04
15.500	0.04	0.04	0.04	0.04	0.04
15.750	0.04	0.04	0.04	0.04	0.04
16.000	0.04	0.04	0.04	0.04	0.04
16.250	0.04	0.04	0.03	0.03	0.03
16.500	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 5 years

Label: DA-2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
16.750	0.03	0.03	0.03	0.03	0.03
17.000	0.03	0.03	0.03	0.03	0.03
17.250	0.03	0.03	0.03	0.03	0.03
17.500	0.03	0.03	0.03	0.03	0.03
17.750	0.03	0.03	0.03	0.03	0.03
18.000	0.03	0.03	0.03	0.03	0.03
18.250	0.03	0.03	0.03	0.03	0.03
18.500	0.03	0.03	0.03	0.03	0.03
18.750	0.03	0.03	0.03	0.03	0.03
19.000	0.02	0.02	0.02	0.02	0.02
19.250	0.02	0.02	0.02	0.02	0.02
19.500	0.02	0.02	0.02	0.02	0.02
19.750	0.02	0.02	0.02	0.02	0.02
20.000	0.02	0.02	0.02	0.02	0.02
20.250	0.02	0.02	0.02	0.02	0.02
20.500	0.02	0.02	0.02	0.02	0.02
20.750	0.02	0.02	0.02	0.02	0.02
21.000	0.02	0.02	0.02	0.02	0.02
21.250	0.02	0.02	0.02	0.02	0.02
21.500	0.02	0.02	0.02	0.02	0.02
21.750	0.02	0.02	0.02	0.02	0.02
22.000	0.02	0.02	0.02	0.02	0.02
22.250	0.02	0.02	0.02	0.02	0.02
22.500	0.02	0.02	0.02	0.02	0.02
22.750	0.02	0.02	0.02	0.02	0.02
23.000	0.02	0.02	0.02	0.02	0.02
23.250	0.02	0.02	0.02	0.02	0.02
23.500	0.02	0.02	0.02	0.02	0.02
23.750	0.02	0.02	0.02	0.02	0.02
24.000	0.02	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Storm Event	10-YR
Return Event	10 years
Duration	24.000 hours
Depth	4.8 in
Time of Concentration (Composite)	0.068 hours
Area (User Defined)	19,538 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.650	0.00	0.00	0.00	0.00	0.00
6.900	0.00	0.00	0.00	0.00	0.00
7.150	0.00	0.00	0.00	0.00	0.00
7.400	0.00	0.00	0.00	0.00	0.00
7.650	0.00	0.01	0.01	0.01	0.01
7.900	0.01	0.01	0.01	0.01	0.01
8.150	0.01	0.01	0.01	0.01	0.01
8.400	0.01	0.01	0.01	0.01	0.01
8.650	0.01	0.01	0.01	0.01	0.01
8.900	0.01	0.01	0.02	0.02	0.02
9.150	0.02	0.02	0.02	0.02	0.02
9.400	0.02	0.02	0.02	0.02	0.02
9.650	0.02	0.02	0.02	0.02	0.02
9.900	0.03	0.03	0.03	0.03	0.03
10.150	0.03	0.03	0.03	0.04	0.04
10.400	0.04	0.04	0.04	0.04	0.05
10.650	0.05	0.05	0.05	0.06	0.06
10.900	0.06	0.06	0.07	0.07	0.08
11.150	0.08	0.09	0.09	0.10	0.11
11.400	0.11	0.12	0.13	0.21	0.27
11.650	0.44	0.59	0.84	1.06	1.63
11.900	2.12	1.92	1.70	0.99	0.45
12.150	0.34	0.30	0.28	0.26	0.24
12.400	0.22	0.20	0.18	0.17	0.16
12.650	0.15	0.15	0.14	0.14	0.13
12.900	0.13	0.12	0.12	0.11	0.11
13.150	0.11	0.11	0.10	0.10	0.10
13.400	0.10	0.09	0.09	0.09	0.09
13.650	0.08	0.08	0.08	0.08	0.08
13.900	0.08	0.07	0.07	0.07	0.07
14.150	0.07	0.07	0.07	0.07	0.07
14.400	0.07	0.06	0.06	0.06	0.06
14.650	0.06	0.06	0.06	0.06	0.06
14.900	0.06	0.06	0.06	0.06	0.06
15.150	0.06	0.05	0.05	0.05	0.05
15.400	0.05	0.05	0.05	0.05	0.05
15.650	0.05	0.05	0.05	0.05	0.05

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.900	0.05	0.05	0.04	0.04	0.04
16.150	0.04	0.04	0.04	0.04	0.04
16.400	0.04	0.04	0.04	0.04	0.04
16.650	0.04	0.04	0.04	0.04	0.04
16.900	0.04	0.04	0.04	0.04	0.04
17.150	0.04	0.04	0.04	0.04	0.04
17.400	0.04	0.04	0.04	0.04	0.04
17.650	0.04	0.04	0.04	0.04	0.04
17.900	0.04	0.04	0.03	0.03	0.03
18.150	0.03	0.03	0.03	0.03	0.03
18.400	0.03	0.03	0.03	0.03	0.03
18.650	0.03	0.03	0.03	0.03	0.03
18.900	0.03	0.03	0.03	0.03	0.03
19.150	0.03	0.03	0.03	0.03	0.03
19.400	0.03	0.03	0.03	0.03	0.03
19.650	0.03	0.03	0.03	0.03	0.03
19.900	0.03	0.03	0.03	0.03	0.03
20.150	0.03	0.03	0.03	0.03	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Storm Event	25-YR
Return Event	25 years
Duration	24.000 hours
Depth	5.9 in
Time of Concentration (Composite)	0.068 hours
Area (User Defined)	19,538 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.700	0.00	0.00	0.00	0.00	0.00
5.950	0.00	0.00	0.00	0.00	0.00
6.200	0.00	0.00	0.00	0.00	0.00
6.450	0.00	0.00	0.01	0.01	0.01
6.700	0.01	0.01	0.01	0.01	0.01
6.950	0.01	0.01	0.01	0.01	0.01
7.200	0.01	0.01	0.01	0.01	0.01
7.450	0.01	0.01	0.01	0.01	0.01
7.700	0.01	0.01	0.01	0.01	0.01
7.950	0.01	0.01	0.01	0.01	0.01
8.200	0.02	0.02	0.02	0.02	0.02
8.450	0.02	0.02	0.02	0.02	0.02
8.700	0.02	0.02	0.02	0.02	0.03
8.950	0.03	0.03	0.03	0.03	0.03
9.200	0.03	0.03	0.03	0.03	0.03
9.450	0.03	0.03	0.03	0.03	0.03
9.700	0.04	0.04	0.04	0.04	0.04
9.950	0.04	0.04	0.05	0.05	0.05
10.200	0.05	0.05	0.05	0.06	0.06
10.450	0.06	0.06	0.07	0.07	0.07
10.700	0.08	0.08	0.08	0.09	0.09
10.950	0.10	0.10	0.11	0.11	0.12
11.200	0.13	0.14	0.15	0.16	0.16
11.450	0.18	0.19	0.29	0.38	0.62
11.700	0.82	1.16	1.44	2.19	2.81
11.950	2.52	2.22	1.28	0.58	0.43
12.200	0.39	0.36	0.34	0.31	0.29
12.450	0.26	0.24	0.22	0.20	0.19
12.700	0.19	0.18	0.18	0.17	0.16
12.950	0.16	0.15	0.15	0.14	0.14
13.200	0.14	0.13	0.13	0.13	0.12
13.450	0.12	0.12	0.11	0.11	0.11
13.700	0.11	0.10	0.10	0.10	0.10
13.950	0.09	0.09	0.09	0.09	0.09
14.200	0.09	0.09	0.09	0.08	0.08
14.450	0.08	0.08	0.08	0.08	0.08
14.700	0.08	0.08	0.08	0.08	0.08

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.950	0.07	0.07	0.07	0.07	0.07
15.200	0.07	0.07	0.07	0.07	0.07
15.450	0.07	0.07	0.06	0.06	0.06
15.700	0.06	0.06	0.06	0.06	0.06
15.950	0.06	0.06	0.06	0.06	0.06
16.200	0.06	0.05	0.05	0.05	0.05
16.450	0.05	0.05	0.05	0.05	0.05
16.700	0.05	0.05	0.05	0.05	0.05
16.950	0.05	0.05	0.05	0.05	0.05
17.200	0.05	0.05	0.05	0.05	0.05
17.450	0.05	0.05	0.05	0.05	0.05
17.700	0.05	0.05	0.05	0.05	0.05
17.950	0.04	0.04	0.04	0.04	0.04
18.200	0.04	0.04	0.04	0.04	0.04
18.450	0.04	0.04	0.04	0.04	0.04
18.700	0.04	0.04	0.04	0.04	0.04
18.950	0.04	0.04	0.04	0.04	0.04
19.200	0.04	0.04	0.04	0.04	0.04
19.450	0.04	0.04	0.04	0.03	0.03
19.700	0.03	0.03	0.03	0.03	0.03
19.950	0.03	0.03	0.03	0.03	0.03
20.200	0.03	0.03	0.03	0.03	0.03
20.450	0.03	0.03	0.03	0.03	0.03
20.700	0.03	0.03	0.03	0.03	0.03
20.950	0.03	0.03	0.03	0.03	0.03
21.200	0.03	0.03	0.03	0.03	0.03
21.450	0.03	0.03	0.03	0.03	0.03
21.700	0.03	0.03	0.03	0.03	0.03
21.950	0.03	0.03	0.03	0.03	0.03
22.200	0.03	0.03	0.03	0.03	0.03
22.450	0.03	0.03	0.03	0.03	0.03
22.700	0.03	0.03	0.03	0.03	0.03
22.950	0.03	0.03	0.03	0.03	0.03
23.200	0.03	0.03	0.03	0.03	0.03
23.450	0.03	0.03	0.03	0.03	0.03
23.700	0.03	0.03	0.03	0.03	0.03
23.950	0.03	0.03	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Storm Event	50-YR
Return Event	50 years
Duration	24.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.068 hours
Area (User Defined)	19,538 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.050	0.00	0.00	0.00	0.00	0.00
5.300	0.00	0.00	0.00	0.00	0.00
5.550	0.00	0.00	0.00	0.00	0.00
5.800	0.01	0.01	0.01	0.01	0.01
6.050	0.01	0.01	0.01	0.01	0.01
6.300	0.01	0.01	0.01	0.01	0.01
6.550	0.01	0.01	0.01	0.01	0.01
6.800	0.01	0.01	0.01	0.01	0.01
7.050	0.01	0.01	0.01	0.01	0.02
7.300	0.02	0.02	0.02	0.02	0.02
7.550	0.02	0.02	0.02	0.02	0.02
7.800	0.02	0.02	0.02	0.02	0.02
8.050	0.02	0.02	0.02	0.02	0.02
8.300	0.03	0.03	0.03	0.03	0.03
8.550	0.03	0.03	0.03	0.03	0.03
8.800	0.03	0.04	0.04	0.04	0.04
9.050	0.04	0.04	0.04	0.04	0.04
9.300	0.04	0.04	0.04	0.04	0.04
9.550	0.05	0.05	0.05	0.05	0.05
9.800	0.05	0.05	0.06	0.06	0.06
10.050	0.06	0.06	0.07	0.07	0.07
10.300	0.07	0.08	0.08	0.08	0.09
10.550	0.09	0.09	0.10	0.10	0.11
10.800	0.11	0.12	0.12	0.13	0.13
11.050	0.14	0.15	0.16	0.17	0.18
11.300	0.19	0.20	0.21	0.23	0.24
11.550	0.38	0.49	0.79	1.04	1.46
11.800	1.80	2.71	3.46	3.08	2.70
12.050	1.56	0.70	0.52	0.48	0.44
12.300	0.41	0.37	0.35	0.31	0.28
12.550	0.26	0.24	0.23	0.23	0.22
12.800	0.21	0.20	0.20	0.19	0.18
13.050	0.18	0.17	0.17	0.16	0.16
13.300	0.16	0.15	0.15	0.14	0.14
13.550	0.14	0.13	0.13	0.13	0.12
13.800	0.12	0.12	0.12	0.11	0.11
14.050	0.11	0.11	0.10	0.10	0.10

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.300	0.10	0.10	0.10	0.10	0.10
14.550	0.10	0.10	0.10	0.09	0.09
14.800	0.09	0.09	0.09	0.09	0.09
15.050	0.09	0.09	0.09	0.08	0.08
15.300	0.08	0.08	0.08	0.08	0.08
15.550	0.08	0.08	0.08	0.07	0.07
15.800	0.07	0.07	0.07	0.07	0.07
16.050	0.07	0.07	0.07	0.07	0.07
16.300	0.07	0.06	0.06	0.06	0.06
16.550	0.06	0.06	0.06	0.06	0.06
16.800	0.06	0.06	0.06	0.06	0.06
17.050	0.06	0.06	0.06	0.06	0.06
17.300	0.06	0.06	0.06	0.06	0.06
17.550	0.06	0.06	0.06	0.06	0.05
17.800	0.05	0.05	0.05	0.05	0.05
18.050	0.05	0.05	0.05	0.05	0.05
18.300	0.05	0.05	0.05	0.05	0.05
18.550	0.05	0.05	0.05	0.05	0.05
18.800	0.05	0.05	0.05	0.05	0.05
19.050	0.05	0.05	0.04	0.04	0.04
19.300	0.04	0.04	0.04	0.04	0.04
19.550	0.04	0.04	0.04	0.04	0.04
19.800	0.04	0.04	0.04	0.04	0.04
20.050	0.04	0.04	0.04	0.04	0.04
20.300	0.04	0.04	0.04	0.04	0.04
20.550	0.04	0.04	0.04	0.04	0.04
20.800	0.04	0.04	0.04	0.04	0.04
21.050	0.04	0.04	0.04	0.04	0.04
21.300	0.04	0.04	0.04	0.04	0.04
21.550	0.04	0.04	0.04	0.04	0.04
21.800	0.04	0.04	0.04	0.04	0.04
22.050	0.04	0.04	0.04	0.04	0.04
22.300	0.04	0.03	0.03	0.03	0.03
22.550	0.03	0.03	0.03	0.03	0.03
22.800	0.03	0.03	0.03	0.03	0.03
23.050	0.03	0.03	0.03	0.03	0.03
23.300	0.03	0.03	0.03	0.03	0.03
23.550	0.03	0.03	0.03	0.03	0.03
23.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-2

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Storm Event	100-YR
Return Event	100 years
Duration	24.000 hours
Depth	8.2 in
Time of Concentration (Composite)	0.068 hours
Area (User Defined)	19,538 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
4.400	0.00	0.00	0.00	0.00	0.00
4.650	0.00	0.00	0.00	0.00	0.00
4.900	0.00	0.00	0.00	0.01	0.01
5.150	0.01	0.01	0.01	0.01	0.01
5.400	0.01	0.01	0.01	0.01	0.01
5.650	0.01	0.01	0.01	0.01	0.01
5.900	0.01	0.01	0.01	0.01	0.01
6.150	0.01	0.01	0.01	0.01	0.02
6.400	0.02	0.02	0.02	0.02	0.02
6.650	0.02	0.02	0.02	0.02	0.02
6.900	0.02	0.02	0.02	0.02	0.02
7.150	0.02	0.02	0.02	0.02	0.02
7.400	0.02	0.03	0.03	0.03	0.03
7.650	0.03	0.03	0.03	0.03	0.03
7.900	0.03	0.03	0.03	0.03	0.03
8.150	0.03	0.03	0.04	0.04	0.04
8.400	0.04	0.04	0.04	0.04	0.04
8.650	0.04	0.05	0.05	0.05	0.05
8.900	0.05	0.05	0.05	0.06	0.06
9.150	0.06	0.06	0.06	0.06	0.06
9.400	0.06	0.06	0.06	0.06	0.06
9.650	0.06	0.07	0.07	0.07	0.07
9.900	0.08	0.08	0.08	0.08	0.09
10.150	0.09	0.09	0.10	0.10	0.10
10.400	0.11	0.11	0.11	0.12	0.12
10.650	0.13	0.13	0.14	0.14	0.15
10.900	0.16	0.16	0.17	0.18	0.19
11.150	0.20	0.21	0.23	0.24	0.26
11.400	0.27	0.29	0.30	0.48	0.62
11.650	1.00	1.30	1.82	2.23	3.34
11.900	4.22	3.74	3.26	1.88	0.84
12.150	0.63	0.57	0.53	0.49	0.45
12.400	0.42	0.37	0.34	0.31	0.29
12.650	0.28	0.27	0.26	0.25	0.24
12.900	0.24	0.23	0.22	0.21	0.21
13.150	0.20	0.20	0.19	0.19	0.18
13.400	0.18	0.17	0.17	0.16	0.16

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.650	0.16	0.15	0.15	0.15	0.14
13.900	0.14	0.13	0.13	0.13	0.13
14.150	0.13	0.12	0.12	0.12	0.12
14.400	0.12	0.12	0.12	0.12	0.11
14.650	0.11	0.11	0.11	0.11	0.11
14.900	0.11	0.11	0.11	0.10	0.10
15.150	0.10	0.10	0.10	0.10	0.10
15.400	0.10	0.09	0.09	0.09	0.09
15.650	0.09	0.09	0.09	0.09	0.08
15.900	0.08	0.08	0.08	0.08	0.08
16.150	0.08	0.08	0.08	0.08	0.08
16.400	0.08	0.08	0.08	0.08	0.08
16.650	0.07	0.07	0.07	0.07	0.07
16.900	0.07	0.07	0.07	0.07	0.07
17.150	0.07	0.07	0.07	0.07	0.07
17.400	0.07	0.07	0.07	0.07	0.07
17.650	0.07	0.07	0.07	0.07	0.06
17.900	0.06	0.06	0.06	0.06	0.06
18.150	0.06	0.06	0.06	0.06	0.06
18.400	0.06	0.06	0.06	0.06	0.06
18.650	0.06	0.06	0.06	0.06	0.06
18.900	0.06	0.06	0.05	0.05	0.05
19.150	0.05	0.05	0.05	0.05	0.05
19.400	0.05	0.05	0.05	0.05	0.05
19.650	0.05	0.05	0.05	0.05	0.05
19.900	0.05	0.05	0.05	0.05	0.05
20.150	0.05	0.05	0.05	0.05	0.05
20.400	0.04	0.04	0.04	0.04	0.04
20.650	0.04	0.04	0.04	0.04	0.04
20.900	0.04	0.04	0.04	0.04	0.04
21.150	0.04	0.04	0.04	0.04	0.04
21.400	0.04	0.04	0.04	0.04	0.04
21.650	0.04	0.04	0.04	0.04	0.04
21.900	0.04	0.04	0.04	0.04	0.04
22.150	0.04	0.04	0.04	0.04	0.04
22.400	0.04	0.04	0.04	0.04	0.04
22.650	0.04	0.04	0.04	0.04	0.04
22.900	0.04	0.04	0.04	0.04	0.04
23.150	0.04	0.04	0.04	0.04	0.04
23.400	0.04	0.04	0.04	0.04	0.04
23.650	0.04	0.04	0.04	0.04	0.04
23.900	0.04	0.04	0.04	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Storm Event	1-YR
Return Event	1 years
Duration	24.000 hours
Depth	2.8 in
Time of Concentration (Composite)	0.192 hours
Area (User Defined)	16,687 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.500	0.00	0.00	0.00	0.00	0.00
10.750	0.00	0.00	0.00	0.00	0.00
11.000	0.01	0.01	0.01	0.01	0.01
11.250	0.01	0.01	0.01	0.01	0.02
11.500	0.02	0.02	0.03	0.04	0.06
11.750	0.10	0.14	0.22	0.33	0.44
12.000	0.51	0.50	0.41	0.30	0.21
12.250	0.16	0.13	0.11	0.10	0.09
12.500	0.08	0.07	0.06	0.06	0.06
12.750	0.05	0.05	0.05	0.05	0.05
13.000	0.05	0.04	0.04	0.04	0.04
13.250	0.04	0.04	0.04	0.04	0.04
13.500	0.03	0.03	0.03	0.03	0.03
13.750	0.03	0.03	0.03	0.03	0.03
14.000	0.03	0.03	0.03	0.03	0.03
14.250	0.02	0.02	0.02	0.02	0.02
14.500	0.02	0.02	0.02	0.02	0.02
14.750	0.02	0.02	0.02	0.02	0.02
15.000	0.02	0.02	0.02	0.02	0.02
15.250	0.02	0.02	0.02	0.02	0.02
15.500	0.02	0.02	0.02	0.02	0.02
15.750	0.02	0.02	0.02	0.02	0.02
16.000	0.02	0.02	0.02	0.02	0.02
16.250	0.02	0.02	0.02	0.02	0.02
16.500	0.02	0.02	0.02	0.02	0.02
16.750	0.02	0.02	0.02	0.02	0.02
17.000	0.02	0.01	0.01	0.01	0.01
17.250	0.01	0.01	0.01	0.01	0.01
17.500	0.01	0.01	0.01	0.01	0.01
17.750	0.01	0.01	0.01	0.01	0.01
18.000	0.01	0.01	0.01	0.01	0.01
18.250	0.01	0.01	0.01	0.01	0.01
18.500	0.01	0.01	0.01	0.01	0.01
18.750	0.01	0.01	0.01	0.01	0.01
19.000	0.01	0.01	0.01	0.01	0.01
19.250	0.01	0.01	0.01	0.01	0.01
19.500	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 1 years

Label: DA-3

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.750	0.01	0.01	0.01	0.01	0.01
20.000	0.01	0.01	0.01	0.01	0.01
20.250	0.01	0.01	0.01	0.01	0.01
20.500	0.01	0.01	0.01	0.01	0.01
20.750	0.01	0.01	0.01	0.01	0.01
21.000	0.01	0.01	0.01	0.01	0.01
21.250	0.01	0.01	0.01	0.01	0.01
21.500	0.01	0.01	0.01	0.01	0.01
21.750	0.01	0.01	0.01	0.01	0.01
22.000	0.01	0.01	0.01	0.01	0.01
22.250	0.01	0.01	0.01	0.01	0.01
22.500	0.01	0.01	0.01	0.01	0.01
22.750	0.01	0.01	0.01	0.01	0.01
23.000	0.01	0.01	0.01	0.01	0.01
23.250	0.01	0.01	0.01	0.01	0.01
23.500	0.01	0.01	0.01	0.01	0.01
23.750	0.01	0.01	0.01	0.01	0.01
24.000	0.01	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-3

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Storm Event	2-YR
Return Event	2 years
Duration	24.000 hours
Depth	3.3 in
Time of Concentration (Composite)	0.192 hours
Area (User Defined)	16,687 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.700	0.00	0.00	0.00	0.00	0.00
9.950	0.00	0.00	0.00	0.00	0.00
10.200	0.00	0.00	0.00	0.00	0.00
10.450	0.01	0.01	0.01	0.01	0.01
10.700	0.01	0.01	0.01	0.01	0.01
10.950	0.01	0.01	0.01	0.01	0.02
11.200	0.02	0.02	0.02	0.02	0.03
11.450	0.03	0.03	0.04	0.05	0.07
11.700	0.11	0.16	0.23	0.33	0.48
11.950	0.64	0.72	0.70	0.57	0.41
12.200	0.28	0.22	0.17	0.15	0.13
12.450	0.12	0.10	0.09	0.09	0.08
12.700	0.08	0.07	0.07	0.07	0.06
12.950	0.06	0.06	0.06	0.06	0.05
13.200	0.05	0.05	0.05	0.05	0.05
13.450	0.05	0.05	0.04	0.04	0.04
13.700	0.04	0.04	0.04	0.04	0.04
13.950	0.04	0.04	0.04	0.03	0.03
14.200	0.03	0.03	0.03	0.03	0.03
14.450	0.03	0.03	0.03	0.03	0.03
14.700	0.03	0.03	0.03	0.03	0.03
14.950	0.03	0.03	0.03	0.03	0.03
15.200	0.03	0.03	0.03	0.03	0.03
15.450	0.03	0.03	0.03	0.02	0.02
15.700	0.02	0.02	0.02	0.02	0.02
15.950	0.02	0.02	0.02	0.02	0.02
16.200	0.02	0.02	0.02	0.02	0.02
16.450	0.02	0.02	0.02	0.02	0.02
16.700	0.02	0.02	0.02	0.02	0.02
16.950	0.02	0.02	0.02	0.02	0.02
17.200	0.02	0.02	0.02	0.02	0.02
17.450	0.02	0.02	0.02	0.02	0.02
17.700	0.02	0.02	0.02	0.02	0.02
17.950	0.02	0.02	0.02	0.02	0.02
18.200	0.02	0.02	0.02	0.02	0.02
18.450	0.02	0.02	0.02	0.02	0.02
18.700	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: DA-3

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.950	0.02	0.02	0.02	0.01	0.01
19.200	0.01	0.01	0.01	0.01	0.01
19.450	0.01	0.01	0.01	0.01	0.01
19.700	0.01	0.01	0.01	0.01	0.01
19.950	0.01	0.01	0.01	0.01	0.01
20.200	0.01	0.01	0.01	0.01	0.01
20.450	0.01	0.01	0.01	0.01	0.01
20.700	0.01	0.01	0.01	0.01	0.01
20.950	0.01	0.01	0.01	0.01	0.01
21.200	0.01	0.01	0.01	0.01	0.01
21.450	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01
21.950	0.01	0.01	0.01	0.01	0.01
22.200	0.01	0.01	0.01	0.01	0.01
22.450	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.950	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.450	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-3

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Storm Event	5-YR
Return Event	5 years
Duration	24.000 hours
Depth	4.1 in
Time of Concentration (Composite)	0.192 hours
Area (User Defined)	16,687 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.650	0.00	0.00	0.00	0.00	0.00
8.900	0.00	0.00	0.00	0.00	0.00
9.150	0.00	0.00	0.00	0.00	0.00
9.400	0.00	0.00	0.00	0.01	0.01
9.650	0.01	0.01	0.01	0.01	0.01
9.900	0.01	0.01	0.01	0.01	0.01
10.150	0.01	0.01	0.01	0.01	0.01
10.400	0.01	0.01	0.01	0.02	0.02
10.650	0.02	0.02	0.02	0.02	0.02
10.900	0.02	0.03	0.03	0.03	0.03
11.150	0.03	0.03	0.04	0.04	0.04
11.400	0.05	0.05	0.06	0.06	0.08
11.650	0.12	0.18	0.25	0.36	0.51
11.900	0.73	0.95	1.05	1.01	0.82
12.150	0.58	0.40	0.30	0.24	0.21
12.400	0.18	0.16	0.15	0.13	0.12
12.650	0.11	0.10	0.10	0.10	0.09
12.900	0.09	0.09	0.08	0.08	0.08
13.150	0.07	0.07	0.07	0.07	0.07
13.400	0.07	0.06	0.06	0.06	0.06
13.650	0.06	0.06	0.06	0.05	0.05
13.900	0.05	0.05	0.05	0.05	0.05
14.150	0.05	0.05	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.04	0.04	0.04	0.04
15.400	0.04	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.03	0.03
17.150	0.03	0.03	0.03	0.03	0.03
17.400	0.03	0.03	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 5 years

Label: DA-3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-3

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Storm Event	10-YR
Return Event	10 years
Duration	24.000 hours
Depth	4.8 in
Time of Concentration (Composite)	0.192 hours
Area (User Defined)	16,687 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.850	0.00	0.00	0.00	0.00	0.00
8.100	0.00	0.00	0.00	0.00	0.00
8.350	0.00	0.00	0.00	0.00	0.00
8.600	0.00	0.00	0.00	0.01	0.01
8.850	0.01	0.01	0.01	0.01	0.01
9.100	0.01	0.01	0.01	0.01	0.01
9.350	0.01	0.01	0.01	0.01	0.01
9.600	0.01	0.01	0.01	0.01	0.01
9.850	0.01	0.01	0.01	0.01	0.02
10.100	0.02	0.02	0.02	0.02	0.02
10.350	0.02	0.02	0.02	0.02	0.03
10.600	0.03	0.03	0.03	0.03	0.03
10.850	0.03	0.04	0.04	0.04	0.04
11.100	0.05	0.05	0.05	0.06	0.06
11.350	0.06	0.07	0.07	0.08	0.09
11.600	0.12	0.17	0.24	0.35	0.49
11.850	0.68	0.96	1.23	1.36	1.29
12.100	1.04	0.74	0.51	0.38	0.31
12.350	0.26	0.23	0.20	0.18	0.16
12.600	0.15	0.14	0.13	0.12	0.12
12.850	0.11	0.11	0.11	0.10	0.10
13.100	0.10	0.09	0.09	0.09	0.09
13.350	0.08	0.08	0.08	0.08	0.08
13.600	0.07	0.07	0.07	0.07	0.07
13.850	0.07	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.06	0.05
14.350	0.05	0.05	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.850	0.05	0.05	0.05	0.05	0.05
15.100	0.05	0.05	0.05	0.05	0.04
15.350	0.04	0.04	0.04	0.04	0.04
15.600	0.04	0.04	0.04	0.04	0.04
15.850	0.04	0.04	0.04	0.04	0.04
16.100	0.04	0.04	0.04	0.04	0.04
16.350	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.03	0.03	0.03
17.850	0.03	0.03	0.03	0.03	0.03
18.100	0.03	0.03	0.03	0.03	0.03
18.350	0.03	0.03	0.03	0.03	0.03
18.600	0.03	0.03	0.03	0.03	0.03
18.850	0.03	0.03	0.03	0.03	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02
22.350	0.02	0.02	0.02	0.02	0.02
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.02	0.02	0.02	0.02	0.02
23.600	0.02	0.02	0.02	0.02	0.02
23.850	0.02	0.02	0.02	0.02	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Storm Event	25-YR
Return Event	25 years
Duration	24.000 hours
Depth	5.9 in
Time of Concentration (Composite)	0.192 hours
Area (User Defined)	16,687 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.800	0.00	0.00	0.00	0.00	0.00
7.050	0.00	0.00	0.00	0.00	0.00
7.300	0.00	0.00	0.00	0.00	0.00
7.550	0.00	0.00	0.00	0.00	0.00
7.800	0.01	0.01	0.01	0.01	0.01
8.050	0.01	0.01	0.01	0.01	0.01
8.300	0.01	0.01	0.01	0.01	0.01
8.550	0.01	0.01	0.01	0.01	0.01
8.800	0.01	0.01	0.01	0.01	0.01
9.050	0.02	0.02	0.02	0.02	0.02
9.300	0.02	0.02	0.02	0.02	0.02
9.550	0.02	0.02	0.02	0.02	0.02
9.800	0.02	0.02	0.02	0.03	0.03
10.050	0.03	0.03	0.03	0.03	0.03
10.300	0.03	0.04	0.04	0.04	0.04
10.550	0.04	0.04	0.05	0.05	0.05
10.800	0.05	0.06	0.06	0.06	0.06
11.050	0.07	0.07	0.07	0.08	0.09
11.300	0.09	0.10	0.11	0.11	0.12
11.550	0.14	0.18	0.25	0.36	0.50
11.800	0.69	0.95	1.32	1.68	1.83
12.050	1.73	1.39	0.98	0.67	0.50
12.300	0.40	0.34	0.30	0.27	0.24
12.550	0.21	0.19	0.18	0.17	0.16
12.800	0.15	0.15	0.14	0.14	0.13
13.050	0.13	0.12	0.12	0.12	0.11
13.300	0.11	0.11	0.11	0.10	0.10
13.550	0.10	0.09	0.09	0.09	0.09
13.800	0.09	0.08	0.08	0.08	0.08
14.050	0.08	0.08	0.07	0.07	0.07
14.300	0.07	0.07	0.07	0.07	0.07
14.550	0.07	0.07	0.07	0.07	0.07
14.800	0.06	0.06	0.06	0.06	0.06
15.050	0.06	0.06	0.06	0.06	0.06
15.300	0.06	0.06	0.06	0.06	0.05
15.550	0.05	0.05	0.05	0.05	0.05
15.800	0.05	0.05	0.05	0.05	0.05

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
16.050	0.05	0.05	0.05	0.05	0.05
16.300	0.05	0.05	0.04	0.04	0.04
16.550	0.04	0.04	0.04	0.04	0.04
16.800	0.04	0.04	0.04	0.04	0.04
17.050	0.04	0.04	0.04	0.04	0.04
17.300	0.04	0.04	0.04	0.04	0.04
17.550	0.04	0.04	0.04	0.04	0.04
17.800	0.04	0.04	0.04	0.04	0.04
18.050	0.04	0.04	0.04	0.04	0.04
18.300	0.04	0.04	0.04	0.03	0.03
18.550	0.03	0.03	0.03	0.03	0.03
18.800	0.03	0.03	0.03	0.03	0.03
19.050	0.03	0.03	0.03	0.03	0.03
19.300	0.03	0.03	0.03	0.03	0.03
19.550	0.03	0.03	0.03	0.03	0.03
19.800	0.03	0.03	0.03	0.03	0.03
20.050	0.03	0.03	0.03	0.03	0.03
20.300	0.03	0.03	0.03	0.03	0.03
20.550	0.03	0.03	0.03	0.03	0.03
20.800	0.03	0.03	0.03	0.03	0.03
21.050	0.03	0.03	0.03	0.03	0.03
21.300	0.03	0.03	0.03	0.03	0.03
21.550	0.03	0.03	0.02	0.02	0.02
21.800	0.02	0.02	0.02	0.02	0.02
22.050	0.02	0.02	0.02	0.02	0.02
22.300	0.02	0.02	0.02	0.02	0.02
22.550	0.02	0.02	0.02	0.02	0.02
22.800	0.02	0.02	0.02	0.02	0.02
23.050	0.02	0.02	0.02	0.02	0.02
23.300	0.02	0.02	0.02	0.02	0.02
23.550	0.02	0.02	0.02	0.02	0.02
23.800	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-3

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Storm Event	50-YR
Return Event	50 years
Duration	24.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.192 hours
Area (User Defined)	16,687 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.050	0.00	0.00	0.00	0.00	0.00
6.300	0.00	0.00	0.00	0.00	0.00
6.550	0.00	0.00	0.00	0.00	0.00
6.800	0.00	0.00	0.01	0.01	0.01
7.050	0.01	0.01	0.01	0.01	0.01
7.300	0.01	0.01	0.01	0.01	0.01
7.550	0.01	0.01	0.01	0.01	0.01
7.800	0.01	0.01	0.01	0.01	0.01
8.050	0.01	0.01	0.01	0.01	0.01
8.300	0.01	0.01	0.02	0.02	0.02
8.550	0.02	0.02	0.02	0.02	0.02
8.800	0.02	0.02	0.02	0.02	0.02
9.050	0.02	0.02	0.03	0.03	0.03
9.300	0.03	0.03	0.03	0.03	0.03
9.550	0.03	0.03	0.03	0.03	0.03
9.800	0.03	0.03	0.04	0.04	0.04
10.050	0.04	0.04	0.04	0.04	0.05
10.300	0.05	0.05	0.05	0.05	0.06
10.550	0.06	0.06	0.06	0.07	0.07
10.800	0.07	0.08	0.08	0.08	0.09
11.050	0.09	0.10	0.10	0.11	0.12
11.300	0.12	0.13	0.14	0.15	0.16
11.550	0.18	0.23	0.32	0.46	0.65
11.800	0.89	1.21	1.67	2.11	2.28
12.050	2.15	1.72	1.21	0.83	0.62
12.300	0.49	0.42	0.36	0.32	0.29
12.550	0.26	0.24	0.22	0.21	0.20
12.800	0.19	0.18	0.17	0.17	0.16
13.050	0.16	0.15	0.15	0.14	0.14
13.300	0.13	0.13	0.13	0.12	0.12
13.550	0.12	0.12	0.11	0.11	0.11
13.800	0.10	0.10	0.10	0.10	0.10
14.050	0.09	0.09	0.09	0.09	0.09
14.300	0.09	0.09	0.08	0.08	0.08
14.550	0.08	0.08	0.08	0.08	0.08
14.800	0.08	0.08	0.08	0.08	0.07
15.050	0.07	0.07	0.07	0.07	0.07

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.300	0.07	0.07	0.07	0.07	0.07
15.550	0.07	0.06	0.06	0.06	0.06
15.800	0.06	0.06	0.06	0.06	0.06
16.050	0.06	0.06	0.06	0.06	0.06
16.300	0.05	0.05	0.05	0.05	0.05
16.550	0.05	0.05	0.05	0.05	0.05
16.800	0.05	0.05	0.05	0.05	0.05
17.050	0.05	0.05	0.05	0.05	0.05
17.300	0.05	0.05	0.05	0.05	0.05
17.550	0.05	0.05	0.05	0.05	0.05
17.800	0.05	0.05	0.05	0.04	0.04
18.050	0.04	0.04	0.04	0.04	0.04
18.300	0.04	0.04	0.04	0.04	0.04
18.550	0.04	0.04	0.04	0.04	0.04
18.800	0.04	0.04	0.04	0.04	0.04
19.050	0.04	0.04	0.04	0.04	0.04
19.300	0.04	0.04	0.04	0.04	0.04
19.550	0.04	0.04	0.03	0.03	0.03
19.800	0.03	0.03	0.03	0.03	0.03
20.050	0.03	0.03	0.03	0.03	0.03
20.300	0.03	0.03	0.03	0.03	0.03
20.550	0.03	0.03	0.03	0.03	0.03
20.800	0.03	0.03	0.03	0.03	0.03
21.050	0.03	0.03	0.03	0.03	0.03
21.300	0.03	0.03	0.03	0.03	0.03
21.550	0.03	0.03	0.03	0.03	0.03
21.800	0.03	0.03	0.03	0.03	0.03
22.050	0.03	0.03	0.03	0.03	0.03
22.300	0.03	0.03	0.03	0.03	0.03
22.550	0.03	0.03	0.03	0.03	0.03
22.800	0.03	0.03	0.03	0.03	0.03
23.050	0.03	0.03	0.03	0.03	0.03
23.300	0.03	0.03	0.03	0.03	0.03
23.550	0.03	0.03	0.03	0.03	0.03
23.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-3

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Storm Event	100-YR
Return Event	100 years
Duration	24.000 hours
Depth	8.2 in
Time of Concentration (Composite)	0.192 hours
Area (User Defined)	16,687 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.350	0.00	0.00	0.00	0.00	0.00
5.600	0.00	0.00	0.00	0.00	0.00
5.850	0.00	0.00	0.00	0.00	0.00
6.100	0.01	0.01	0.01	0.01	0.01
6.350	0.01	0.01	0.01	0.01	0.01
6.600	0.01	0.01	0.01	0.01	0.01
6.850	0.01	0.01	0.01	0.01	0.01
7.100	0.01	0.01	0.01	0.01	0.01
7.350	0.01	0.01	0.01	0.01	0.01
7.600	0.02	0.02	0.02	0.02	0.02
7.850	0.02	0.02	0.02	0.02	0.02
8.100	0.02	0.02	0.02	0.02	0.02
8.350	0.02	0.02	0.02	0.03	0.03
8.600	0.03	0.03	0.03	0.03	0.03
8.850	0.03	0.03	0.03	0.03	0.04
9.100	0.04	0.04	0.04	0.04	0.04
9.350	0.04	0.04	0.04	0.04	0.04
9.600	0.04	0.04	0.04	0.05	0.05
9.850	0.05	0.05	0.05	0.05	0.06
10.100	0.06	0.06	0.06	0.06	0.07
10.350	0.07	0.07	0.07	0.08	0.08
10.600	0.08	0.09	0.09	0.09	0.10
10.850	0.10	0.11	0.11	0.12	0.12
11.100	0.13	0.13	0.14	0.15	0.16
11.350	0.17	0.19	0.20	0.21	0.24
11.600	0.30	0.42	0.60	0.83	1.13
11.850	1.53	2.09	2.62	2.82	2.64
12.100	2.10	1.48	1.01	0.75	0.60
12.350	0.51	0.44	0.39	0.35	0.32
12.600	0.29	0.26	0.25	0.24	0.23
12.850	0.22	0.21	0.20	0.20	0.19
13.100	0.18	0.18	0.17	0.17	0.16
13.350	0.16	0.15	0.15	0.15	0.14
13.600	0.14	0.14	0.13	0.13	0.13
13.850	0.12	0.12	0.12	0.11	0.11
14.100	0.11	0.11	0.11	0.10	0.10
14.350	0.10	0.10	0.10	0.10	0.10

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.600	0.10	0.10	0.10	0.09	0.09
14.850	0.09	0.09	0.09	0.09	0.09
15.100	0.09	0.09	0.09	0.08	0.08
15.350	0.08	0.08	0.08	0.08	0.08
15.600	0.08	0.08	0.08	0.07	0.07
15.850	0.07	0.07	0.07	0.07	0.07
16.100	0.07	0.07	0.07	0.07	0.07
16.350	0.07	0.07	0.06	0.06	0.06
16.600	0.06	0.06	0.06	0.06	0.06
16.850	0.06	0.06	0.06	0.06	0.06
17.100	0.06	0.06	0.06	0.06	0.06
17.350	0.06	0.06	0.06	0.06	0.06
17.600	0.06	0.06	0.06	0.06	0.06
17.850	0.05	0.05	0.05	0.05	0.05
18.100	0.05	0.05	0.05	0.05	0.05
18.350	0.05	0.05	0.05	0.05	0.05
18.600	0.05	0.05	0.05	0.05	0.05
18.850	0.05	0.05	0.05	0.05	0.05
19.100	0.05	0.05	0.05	0.04	0.04
19.350	0.04	0.04	0.04	0.04	0.04
19.600	0.04	0.04	0.04	0.04	0.04
19.850	0.04	0.04	0.04	0.04	0.04
20.100	0.04	0.04	0.04	0.04	0.04
20.350	0.04	0.04	0.04	0.04	0.04
20.600	0.04	0.04	0.04	0.04	0.04
20.850	0.04	0.04	0.04	0.04	0.04
21.100	0.04	0.04	0.04	0.04	0.04
21.350	0.04	0.04	0.04	0.04	0.04
21.600	0.04	0.04	0.04	0.04	0.04
21.850	0.04	0.04	0.04	0.04	0.04
22.100	0.04	0.04	0.04	0.04	0.04
22.350	0.04	0.03	0.03	0.03	0.03
22.600	0.03	0.03	0.03	0.03	0.03
22.850	0.03	0.03	0.03	0.03	0.03
23.100	0.03	0.03	0.03	0.03	0.03
23.350	0.03	0.03	0.03	0.03	0.03
23.600	0.03	0.03	0.03	0.03	0.03
23.850	0.03	0.03	0.03	0.03	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-4

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Storm Event	1-YR
Return Event	1 years
Duration	24.000 hours
Depth	2.8 in
Time of Concentration (Composite)	0.142 hours
Area (User Defined)	9,560 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.350	0.00	0.00	0.00	0.00	0.00
10.600	0.00	0.00	0.00	0.00	0.00
10.850	0.00	0.00	0.00	0.00	0.00
11.100	0.01	0.01	0.01	0.01	0.01
11.350	0.01	0.01	0.01	0.01	0.02
11.600	0.02	0.03	0.05	0.08	0.12
11.850	0.17	0.26	0.33	0.34	0.30
12.100	0.20	0.12	0.09	0.07	0.06
12.350	0.06	0.05	0.05	0.04	0.04
12.600	0.04	0.03	0.03	0.03	0.03
12.850	0.03	0.03	0.03	0.03	0.03
13.100	0.02	0.02	0.02	0.02	0.02
13.350	0.02	0.02	0.02	0.02	0.02
13.600	0.02	0.02	0.02	0.02	0.02
13.850	0.02	0.02	0.02	0.02	0.02
14.100	0.02	0.02	0.01	0.01	0.01
14.350	0.01	0.01	0.01	0.01	0.01
14.600	0.01	0.01	0.01	0.01	0.01
14.850	0.01	0.01	0.01	0.01	0.01
15.100	0.01	0.01	0.01	0.01	0.01
15.350	0.01	0.01	0.01	0.01	0.01
15.600	0.01	0.01	0.01	0.01	0.01
15.850	0.01	0.01	0.01	0.01	0.01
16.100	0.01	0.01	0.01	0.01	0.01
16.350	0.01	0.01	0.01	0.01	0.01
16.600	0.01	0.01	0.01	0.01	0.01
16.850	0.01	0.01	0.01	0.01	0.01
17.100	0.01	0.01	0.01	0.01	0.01
17.350	0.01	0.01	0.01	0.01	0.01
17.600	0.01	0.01	0.01	0.01	0.01
17.850	0.01	0.01	0.01	0.01	0.01
18.100	0.01	0.01	0.01	0.01	0.01
18.350	0.01	0.01	0.01	0.01	0.01
18.600	0.01	0.01	0.01	0.01	0.01
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 1 years

Label: DA-4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.00	0.00	0.00	0.00
23.850	0.00	0.00	0.00	0.00	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Storm Event	2-YR
Return Event	2 years
Duration	24.000 hours
Depth	3.3 in
Time of Concentration (Composite)	0.142 hours
Area (User Defined)	9,560 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.600	0.00	0.00	0.00	0.00	0.00
9.850	0.00	0.00	0.00	0.00	0.00
10.100	0.00	0.00	0.00	0.00	0.00
10.350	0.00	0.00	0.00	0.00	0.00
10.600	0.01	0.01	0.01	0.01	0.01
10.850	0.01	0.01	0.01	0.01	0.01
11.100	0.01	0.01	0.01	0.01	0.02
11.350	0.02	0.02	0.02	0.02	0.03
11.600	0.04	0.06	0.08	0.12	0.17
11.850	0.25	0.37	0.46	0.46	0.41
12.100	0.28	0.17	0.12	0.10	0.08
12.350	0.07	0.07	0.06	0.06	0.05
12.600	0.05	0.04	0.04	0.04	0.04
12.850	0.04	0.04	0.04	0.03	0.03
13.100	0.03	0.03	0.03	0.03	0.03
13.350	0.03	0.03	0.03	0.03	0.03
13.600	0.02	0.02	0.02	0.02	0.02
13.850	0.02	0.02	0.02	0.02	0.02
14.100	0.02	0.02	0.02	0.02	0.02
14.350	0.02	0.02	0.02	0.02	0.02
14.600	0.02	0.02	0.02	0.02	0.02
14.850	0.02	0.02	0.02	0.02	0.02
15.100	0.02	0.02	0.02	0.02	0.02
15.350	0.02	0.02	0.02	0.01	0.01
15.600	0.01	0.01	0.01	0.01	0.01
15.850	0.01	0.01	0.01	0.01	0.01
16.100	0.01	0.01	0.01	0.01	0.01
16.350	0.01	0.01	0.01	0.01	0.01
16.600	0.01	0.01	0.01	0.01	0.01
16.850	0.01	0.01	0.01	0.01	0.01
17.100	0.01	0.01	0.01	0.01	0.01
17.350	0.01	0.01	0.01	0.01	0.01
17.600	0.01	0.01	0.01	0.01	0.01
17.850	0.01	0.01	0.01	0.01	0.01
18.100	0.01	0.01	0.01	0.01	0.01
18.350	0.01	0.01	0.01	0.01	0.01
18.600	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: DA-4

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-4

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Storm Event	5-YR
Return Event	5 years
Duration	24.000 hours
Depth	4.1 in
Time of Concentration (Composite)	0.142 hours
Area (User Defined)	9,560 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.550	0.00	0.00	0.00	0.00	0.00
8.800	0.00	0.00	0.00	0.00	0.00
9.050	0.00	0.00	0.00	0.00	0.00
9.300	0.00	0.00	0.00	0.00	0.00
9.550	0.00	0.00	0.00	0.00	0.00
9.800	0.00	0.01	0.01	0.01	0.01
10.050	0.01	0.01	0.01	0.01	0.01
10.300	0.01	0.01	0.01	0.01	0.01
10.550	0.01	0.01	0.01	0.01	0.01
10.800	0.01	0.02	0.02	0.02	0.02
11.050	0.02	0.02	0.02	0.02	0.03
11.300	0.03	0.03	0.03	0.03	0.04
11.550	0.04	0.06	0.09	0.14	0.19
11.800	0.27	0.38	0.55	0.67	0.66
12.050	0.57	0.39	0.24	0.17	0.13
12.300	0.11	0.10	0.09	0.09	0.08
12.550	0.07	0.07	0.06	0.06	0.06
12.800	0.05	0.05	0.05	0.05	0.05
13.050	0.05	0.04	0.04	0.04	0.04
13.300	0.04	0.04	0.04	0.04	0.04
13.550	0.03	0.03	0.03	0.03	0.03
13.800	0.03	0.03	0.03	0.03	0.03
14.050	0.03	0.03	0.03	0.03	0.03
14.300	0.03	0.03	0.03	0.03	0.02
14.550	0.02	0.02	0.02	0.02	0.02
14.800	0.02	0.02	0.02	0.02	0.02
15.050	0.02	0.02	0.02	0.02	0.02
15.300	0.02	0.02	0.02	0.02	0.02
15.550	0.02	0.02	0.02	0.02	0.02
15.800	0.02	0.02	0.02	0.02	0.02
16.050	0.02	0.02	0.02	0.02	0.02
16.300	0.02	0.02	0.02	0.02	0.02
16.550	0.02	0.02	0.02	0.02	0.02
16.800	0.02	0.02	0.02	0.02	0.02
17.050	0.02	0.02	0.02	0.02	0.01
17.300	0.01	0.01	0.01	0.01	0.01
17.550	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 5 years

Label: DA-4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.800	0.01	0.01	0.01	0.01	0.01
18.050	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.550	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
19.050	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.550	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Storm Event	10-YR
Return Event	10 years
Duration	24.000 hours
Depth	4.8 in
Time of Concentration (Composite)	0.142 hours
Area (User Defined)	9,560 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.750	0.00	0.00	0.00	0.00	0.00
8.000	0.00	0.00	0.00	0.00	0.00
8.250	0.00	0.00	0.00	0.00	0.00
8.500	0.00	0.00	0.00	0.00	0.00
8.750	0.00	0.00	0.00	0.00	0.00
9.000	0.00	0.01	0.01	0.01	0.01
9.250	0.01	0.01	0.01	0.01	0.01
9.500	0.01	0.01	0.01	0.01	0.01
9.750	0.01	0.01	0.01	0.01	0.01
10.000	0.01	0.01	0.01	0.01	0.01
10.250	0.01	0.01	0.01	0.01	0.02
10.500	0.02	0.02	0.02	0.02	0.02
10.750	0.02	0.02	0.02	0.02	0.02
11.000	0.03	0.03	0.03	0.03	0.03
11.250	0.04	0.04	0.04	0.05	0.05
11.500	0.05	0.06	0.09	0.13	0.19
11.750	0.26	0.36	0.50	0.71	0.86
12.000	0.84	0.72	0.49	0.30	0.21
12.250	0.17	0.14	0.13	0.12	0.11
12.500	0.10	0.09	0.08	0.08	0.07
12.750	0.07	0.07	0.06	0.06	0.06
13.000	0.06	0.06	0.05	0.05	0.05
13.250	0.05	0.05	0.05	0.05	0.05
13.500	0.04	0.04	0.04	0.04	0.04
13.750	0.04	0.04	0.04	0.04	0.04
14.000	0.03	0.03	0.03	0.03	0.03
14.250	0.03	0.03	0.03	0.03	0.03
14.500	0.03	0.03	0.03	0.03	0.03
14.750	0.03	0.03	0.03	0.03	0.03
15.000	0.03	0.03	0.03	0.03	0.03
15.250	0.03	0.03	0.03	0.03	0.02
15.500	0.02	0.02	0.02	0.02	0.02
15.750	0.02	0.02	0.02	0.02	0.02
16.000	0.02	0.02	0.02	0.02	0.02
16.250	0.02	0.02	0.02	0.02	0.02
16.500	0.02	0.02	0.02	0.02	0.02
16.750	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.000	0.02	0.02	0.02	0.02	0.02
17.250	0.02	0.02	0.02	0.02	0.02
17.500	0.02	0.02	0.02	0.02	0.02
17.750	0.02	0.02	0.02	0.02	0.02
18.000	0.02	0.02	0.02	0.02	0.02
18.250	0.02	0.02	0.02	0.02	0.02
18.500	0.02	0.02	0.02	0.02	0.02
18.750	0.02	0.01	0.01	0.01	0.01
19.000	0.01	0.01	0.01	0.01	0.01
19.250	0.01	0.01	0.01	0.01	0.01
19.500	0.01	0.01	0.01	0.01	0.01
19.750	0.01	0.01	0.01	0.01	0.01
20.000	0.01	0.01	0.01	0.01	0.01
20.250	0.01	0.01	0.01	0.01	0.01
20.500	0.01	0.01	0.01	0.01	0.01
20.750	0.01	0.01	0.01	0.01	0.01
21.000	0.01	0.01	0.01	0.01	0.01
21.250	0.01	0.01	0.01	0.01	0.01
21.500	0.01	0.01	0.01	0.01	0.01
21.750	0.01	0.01	0.01	0.01	0.01
22.000	0.01	0.01	0.01	0.01	0.01
22.250	0.01	0.01	0.01	0.01	0.01
22.500	0.01	0.01	0.01	0.01	0.01
22.750	0.01	0.01	0.01	0.01	0.01
23.000	0.01	0.01	0.01	0.01	0.01
23.250	0.01	0.01	0.01	0.01	0.01
23.500	0.01	0.01	0.01	0.01	0.01
23.750	0.01	0.01	0.01	0.01	0.01
24.000	0.01	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Storm Event	25-YR
Return Event	25 years
Duration	24.000 hours
Depth	5.9 in
Time of Concentration (Composite)	0.142 hours
Area (User Defined)	9,560 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.650	0.00	0.00	0.00	0.00	0.00
6.900	0.00	0.00	0.00	0.00	0.00
7.150	0.00	0.00	0.00	0.00	0.00
7.400	0.00	0.00	0.00	0.00	0.00
7.650	0.00	0.00	0.00	0.00	0.00
7.900	0.00	0.00	0.00	0.00	0.00
8.150	0.00	0.01	0.01	0.01	0.01
8.400	0.01	0.01	0.01	0.01	0.01
8.650	0.01	0.01	0.01	0.01	0.01
8.900	0.01	0.01	0.01	0.01	0.01
9.150	0.01	0.01	0.01	0.01	0.01
9.400	0.01	0.01	0.01	0.01	0.01
9.650	0.01	0.01	0.01	0.01	0.02
9.900	0.02	0.02	0.02	0.02	0.02
10.150	0.02	0.02	0.02	0.02	0.02
10.400	0.02	0.02	0.03	0.03	0.03
10.650	0.03	0.03	0.03	0.03	0.04
10.900	0.04	0.04	0.04	0.04	0.04
11.150	0.05	0.05	0.05	0.06	0.06
11.400	0.07	0.07	0.08	0.09	0.13
11.650	0.18	0.27	0.37	0.50	0.69
11.900	0.97	1.15	1.12	0.96	0.64
12.150	0.39	0.27	0.22	0.19	0.17
12.400	0.15	0.14	0.12	0.11	0.10
12.650	0.10	0.09	0.09	0.09	0.08
12.900	0.08	0.08	0.08	0.07	0.07
13.150	0.07	0.07	0.06	0.06	0.06
13.400	0.06	0.06	0.06	0.06	0.05
13.650	0.05	0.05	0.05	0.05	0.05
13.900	0.05	0.05	0.04	0.04	0.04
14.150	0.04	0.04	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.03
15.150	0.03	0.03	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.02	0.02	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Storm Event	50-YR
Return Event	50 years
Duration	24.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.142 hours
Area (User Defined)	9,560 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.900	0.00	0.00	0.00	0.00	0.00
6.150	0.00	0.00	0.00	0.00	0.00
6.400	0.00	0.00	0.00	0.00	0.00
6.650	0.00	0.00	0.00	0.00	0.00
6.900	0.00	0.00	0.00	0.00	0.00
7.150	0.00	0.00	0.01	0.01	0.01
7.400	0.01	0.01	0.01	0.01	0.01
7.650	0.01	0.01	0.01	0.01	0.01
7.900	0.01	0.01	0.01	0.01	0.01
8.150	0.01	0.01	0.01	0.01	0.01
8.400	0.01	0.01	0.01	0.01	0.01
8.650	0.01	0.01	0.01	0.01	0.01
8.900	0.01	0.01	0.02	0.02	0.02
9.150	0.02	0.02	0.02	0.02	0.02
9.400	0.02	0.02	0.02	0.02	0.02
9.650	0.02	0.02	0.02	0.02	0.02
9.900	0.02	0.02	0.02	0.03	0.03
10.150	0.03	0.03	0.03	0.03	0.03
10.400	0.03	0.03	0.04	0.04	0.04
10.650	0.04	0.04	0.04	0.05	0.05
10.900	0.05	0.05	0.05	0.06	0.06
11.150	0.06	0.07	0.07	0.08	0.08
11.400	0.09	0.09	0.10	0.12	0.17
11.650	0.24	0.35	0.47	0.64	0.87
11.900	1.21	1.43	1.38	1.18	0.79
12.150	0.48	0.33	0.27	0.23	0.20
12.400	0.18	0.17	0.15	0.14	0.13
12.650	0.12	0.11	0.11	0.11	0.10
12.900	0.10	0.09	0.09	0.09	0.08
13.150	0.08	0.08	0.08	0.08	0.07
13.400	0.07	0.07	0.07	0.07	0.07
13.650	0.06	0.06	0.06	0.06	0.06
13.900	0.06	0.06	0.05	0.05	0.05
14.150	0.05	0.05	0.05	0.05	0.05
14.400	0.05	0.05	0.05	0.05	0.05
14.650	0.05	0.05	0.05	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.150	0.04	0.04	0.04	0.04	0.04
15.400	0.04	0.04	0.04	0.04	0.04
15.650	0.04	0.04	0.04	0.04	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.03	0.03
17.150	0.03	0.03	0.03	0.03	0.03
17.400	0.03	0.03	0.03	0.03	0.03
17.650	0.03	0.03	0.03	0.03	0.03
17.900	0.03	0.03	0.03	0.03	0.03
18.150	0.03	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Storm Event	100-YR
Return Event	100 years
Duration	24.000 hours
Depth	8.2 in
Time of Concentration (Composite)	0.142 hours
Area (User Defined)	9,560 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.200	0.00	0.00	0.00	0.00	0.00
5.450	0.00	0.00	0.00	0.00	0.00
5.700	0.00	0.00	0.00	0.00	0.00
5.950	0.00	0.00	0.00	0.00	0.00
6.200	0.00	0.00	0.00	0.00	0.01
6.450	0.01	0.01	0.01	0.01	0.01
6.700	0.01	0.01	0.01	0.01	0.01
6.950	0.01	0.01	0.01	0.01	0.01
7.200	0.01	0.01	0.01	0.01	0.01
7.450	0.01	0.01	0.01	0.01	0.01
7.700	0.01	0.01	0.01	0.01	0.01
7.950	0.01	0.01	0.01	0.01	0.01
8.200	0.01	0.01	0.01	0.01	0.02
8.450	0.02	0.02	0.02	0.02	0.02
8.700	0.02	0.02	0.02	0.02	0.02
8.950	0.02	0.02	0.02	0.02	0.02
9.200	0.02	0.02	0.02	0.02	0.02
9.450	0.03	0.03	0.03	0.03	0.03
9.700	0.03	0.03	0.03	0.03	0.03
9.950	0.03	0.03	0.03	0.04	0.04
10.200	0.04	0.04	0.04	0.04	0.04
10.450	0.05	0.05	0.05	0.05	0.05
10.700	0.06	0.06	0.06	0.06	0.07
10.950	0.07	0.07	0.08	0.08	0.08
11.200	0.09	0.10	0.10	0.11	0.12
11.450	0.12	0.13	0.15	0.21	0.30
11.700	0.44	0.60	0.81	1.08	1.50
11.950	1.76	1.70	1.44	0.96	0.58
12.200	0.41	0.32	0.27	0.25	0.22
12.450	0.20	0.18	0.17	0.15	0.14
12.700	0.14	0.13	0.13	0.12	0.12
12.950	0.11	0.11	0.11	0.10	0.10
13.200	0.10	0.09	0.09	0.09	0.09
13.450	0.09	0.08	0.08	0.08	0.08
13.700	0.08	0.07	0.07	0.07	0.07
13.950	0.07	0.07	0.06	0.06	0.06
14.200	0.06	0.06	0.06	0.06	0.06

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.450	0.06	0.06	0.06	0.06	0.06
14.700	0.05	0.05	0.05	0.05	0.05
14.950	0.05	0.05	0.05	0.05	0.05
15.200	0.05	0.05	0.05	0.05	0.05
15.450	0.05	0.05	0.05	0.04	0.04
15.700	0.04	0.04	0.04	0.04	0.04
15.950	0.04	0.04	0.04	0.04	0.04
16.200	0.04	0.04	0.04	0.04	0.04
16.450	0.04	0.04	0.04	0.04	0.04
16.700	0.04	0.04	0.04	0.04	0.04
16.950	0.04	0.03	0.03	0.03	0.03
17.200	0.03	0.03	0.03	0.03	0.03
17.450	0.03	0.03	0.03	0.03	0.03
17.700	0.03	0.03	0.03	0.03	0.03
17.950	0.03	0.03	0.03	0.03	0.03
18.200	0.03	0.03	0.03	0.03	0.03
18.450	0.03	0.03	0.03	0.03	0.03
18.700	0.03	0.03	0.03	0.03	0.03
18.950	0.03	0.03	0.03	0.03	0.03
19.200	0.03	0.03	0.03	0.03	0.02
19.450	0.02	0.02	0.02	0.02	0.02
19.700	0.02	0.02	0.02	0.02	0.02
19.950	0.02	0.02	0.02	0.02	0.02
20.200	0.02	0.02	0.02	0.02	0.02
20.450	0.02	0.02	0.02	0.02	0.02
20.700	0.02	0.02	0.02	0.02	0.02
20.950	0.02	0.02	0.02	0.02	0.02
21.200	0.02	0.02	0.02	0.02	0.02
21.450	0.02	0.02	0.02	0.02	0.02
21.700	0.02	0.02	0.02	0.02	0.02
21.950	0.02	0.02	0.02	0.02	0.02
22.200	0.02	0.02	0.02	0.02	0.02
22.450	0.02	0.02	0.02	0.02	0.02
22.700	0.02	0.02	0.02	0.02	0.02
22.950	0.02	0.02	0.02	0.02	0.02
23.200	0.02	0.02	0.02	0.02	0.02
23.450	0.02	0.02	0.02	0.02	0.02
23.700	0.02	0.02	0.02	0.02	0.02
23.950	0.02	0.02	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-5

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Storm Event	1-YR
Return Event	1 years
Duration	24.000 hours
Depth	2.8 in
Time of Concentration (Composite)	0.101 hours
Area (User Defined)	7,379 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.900	0.00	0.00	0.00	0.00	0.00
10.150	0.00	0.00	0.00	0.00	0.00
10.400	0.00	0.00	0.00	0.00	0.00
10.650	0.00	0.00	0.00	0.00	0.00
10.900	0.00	0.01	0.01	0.01	0.01
11.150	0.01	0.01	0.01	0.01	0.01
11.400	0.01	0.01	0.01	0.02	0.03
11.650	0.04	0.06	0.09	0.13	0.19
11.900	0.28	0.31	0.29	0.23	0.12
12.150	0.07	0.06	0.05	0.05	0.04
12.400	0.04	0.04	0.03	0.03	0.03
12.650	0.03	0.03	0.03	0.02	0.02
12.900	0.02	0.02	0.02	0.02	0.02
13.150	0.02	0.02	0.02	0.02	0.02
13.400	0.02	0.02	0.02	0.02	0.02
13.650	0.02	0.01	0.01	0.01	0.01
13.900	0.01	0.01	0.01	0.01	0.01
14.150	0.01	0.01	0.01	0.01	0.01
14.400	0.01	0.01	0.01	0.01	0.01
14.650	0.01	0.01	0.01	0.01	0.01
14.900	0.01	0.01	0.01	0.01	0.01
15.150	0.01	0.01	0.01	0.01	0.01
15.400	0.01	0.01	0.01	0.01	0.01
15.650	0.01	0.01	0.01	0.01	0.01
15.900	0.01	0.01	0.01	0.01	0.01
16.150	0.01	0.01	0.01	0.01	0.01
16.400	0.01	0.01	0.01	0.01	0.01
16.650	0.01	0.01	0.01	0.01	0.01
16.900	0.01	0.01	0.01	0.01	0.01
17.150	0.01	0.01	0.01	0.01	0.01
17.400	0.01	0.01	0.01	0.01	0.01
17.650	0.01	0.01	0.01	0.01	0.01
17.900	0.01	0.01	0.01	0.01	0.01
18.150	0.01	0.01	0.01	0.01	0.01
18.400	0.01	0.01	0.01	0.01	0.01
18.650	0.01	0.01	0.01	0.01	0.01
18.900	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 1 years

Label: DA-5

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.150	0.01	0.01	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.650	0.01	0.00	0.00	0.00	0.00
19.900	0.00	0.00	0.00	0.00	0.00
20.150	0.00	0.00	0.00	0.00	0.00
20.400	0.00	0.00	0.00	0.00	0.00
20.650	0.00	0.00	0.00	0.00	0.00
20.900	0.00	0.00	0.00	0.00	0.00
21.150	0.00	0.00	0.00	0.00	0.00
21.400	0.00	0.00	0.00	0.00	0.00
21.650	0.00	0.00	0.00	0.00	0.00
21.900	0.00	0.00	0.00	0.00	0.00
22.150	0.00	0.00	0.00	0.00	0.00
22.400	0.00	0.00	0.00	0.00	0.00
22.650	0.00	0.00	0.00	0.00	0.00
22.900	0.00	0.00	0.00	0.00	0.00
23.150	0.00	0.00	0.00	0.00	0.00
23.400	0.00	0.00	0.00	0.00	0.00
23.650	0.00	0.00	0.00	0.00	0.00
23.900	0.00	0.00	0.00	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-5

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Storm Event	2-YR
Return Event	2 years
Duration	24.000 hours
Depth	3.3 in
Time of Concentration (Composite)	0.101 hours
Area (User Defined)	7,379 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
9.050	0.00	0.00	0.00	0.00	0.00
9.300	0.00	0.00	0.00	0.00	0.00
9.550	0.00	0.00	0.00	0.00	0.00
9.800	0.00	0.00	0.00	0.00	0.00
10.050	0.00	0.00	0.00	0.00	0.00
10.300	0.00	0.00	0.00	0.01	0.01
10.550	0.01	0.01	0.01	0.01	0.01
10.800	0.01	0.01	0.01	0.01	0.01
11.050	0.01	0.01	0.01	0.01	0.01
11.300	0.02	0.02	0.02	0.02	0.02
11.550	0.03	0.04	0.06	0.10	0.13
11.800	0.19	0.27	0.39	0.42	0.39
12.050	0.30	0.16	0.10	0.08	0.07
12.300	0.06	0.06	0.05	0.05	0.04
12.550	0.04	0.04	0.04	0.03	0.03
12.800	0.03	0.03	0.03	0.03	0.03
13.050	0.03	0.03	0.03	0.02	0.02
13.300	0.02	0.02	0.02	0.02	0.02
13.550	0.02	0.02	0.02	0.02	0.02
13.800	0.02	0.02	0.02	0.02	0.02
14.050	0.02	0.02	0.02	0.02	0.02
14.300	0.02	0.02	0.02	0.02	0.01
14.550	0.01	0.01	0.01	0.01	0.01
14.800	0.01	0.01	0.01	0.01	0.01
15.050	0.01	0.01	0.01	0.01	0.01
15.300	0.01	0.01	0.01	0.01	0.01
15.550	0.01	0.01	0.01	0.01	0.01
15.800	0.01	0.01	0.01	0.01	0.01
16.050	0.01	0.01	0.01	0.01	0.01
16.300	0.01	0.01	0.01	0.01	0.01
16.550	0.01	0.01	0.01	0.01	0.01
16.800	0.01	0.01	0.01	0.01	0.01
17.050	0.01	0.01	0.01	0.01	0.01
17.300	0.01	0.01	0.01	0.01	0.01
17.550	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
18.050	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 2 years

Label: DA-5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
18.300	0.01	0.01	0.01	0.01	0.01
18.550	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
19.050	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.550	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-5

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Storm Event	5-YR
Return Event	5 years
Duration	24.000 hours
Depth	4.1 in
Time of Concentration (Composite)	0.101 hours
Area (User Defined)	7,379 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
8.050	0.00	0.00	0.00	0.00	0.00
8.300	0.00	0.00	0.00	0.00	0.00
8.550	0.00	0.00	0.00	0.00	0.00
8.800	0.00	0.00	0.00	0.00	0.00
9.050	0.00	0.00	0.00	0.00	0.00
9.300	0.00	0.00	0.00	0.00	0.00
9.550	0.00	0.00	0.00	0.01	0.01
9.800	0.01	0.01	0.01	0.01	0.01
10.050	0.01	0.01	0.01	0.01	0.01
10.300	0.01	0.01	0.01	0.01	0.01
10.550	0.01	0.01	0.01	0.01	0.01
10.800	0.01	0.02	0.02	0.02	0.02
11.050	0.02	0.02	0.02	0.02	0.02
11.300	0.03	0.03	0.03	0.03	0.04
11.550	0.05	0.07	0.10	0.15	0.20
11.800	0.28	0.39	0.56	0.60	0.54
12.050	0.41	0.21	0.13	0.10	0.09
12.300	0.08	0.08	0.07	0.07	0.06
12.550	0.05	0.05	0.05	0.05	0.04
12.800	0.04	0.04	0.04	0.04	0.04
13.050	0.04	0.03	0.03	0.03	0.03
13.300	0.03	0.03	0.03	0.03	0.03
13.550	0.03	0.03	0.03	0.03	0.03
13.800	0.02	0.02	0.02	0.02	0.02
14.050	0.02	0.02	0.02	0.02	0.02
14.300	0.02	0.02	0.02	0.02	0.02
14.550	0.02	0.02	0.02	0.02	0.02
14.800	0.02	0.02	0.02	0.02	0.02
15.050	0.02	0.02	0.02	0.02	0.02
15.300	0.02	0.02	0.02	0.02	0.02
15.550	0.02	0.02	0.02	0.02	0.01
15.800	0.01	0.01	0.01	0.01	0.01
16.050	0.01	0.01	0.01	0.01	0.01
16.300	0.01	0.01	0.01	0.01	0.01
16.550	0.01	0.01	0.01	0.01	0.01
16.800	0.01	0.01	0.01	0.01	0.01
17.050	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 5 years

Label: DA-5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.300	0.01	0.01	0.01	0.01	0.01
17.550	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
18.050	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.550	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
19.050	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.550	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Storm Event	10-YR
Return Event	10 years
Duration	24.000 hours
Depth	4.8 in
Time of Concentration (Composite)	0.101 hours
Area (User Defined)	7,379 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.150	0.00	0.00	0.00	0.00	0.00
7.400	0.00	0.00	0.00	0.00	0.00
7.650	0.00	0.00	0.00	0.00	0.00
7.900	0.00	0.00	0.00	0.00	0.00
8.150	0.00	0.00	0.00	0.00	0.00
8.400	0.00	0.00	0.00	0.00	0.00
8.650	0.00	0.00	0.00	0.00	0.01
8.900	0.01	0.01	0.01	0.01	0.01
9.150	0.01	0.01	0.01	0.01	0.01
9.400	0.01	0.01	0.01	0.01	0.01
9.650	0.01	0.01	0.01	0.01	0.01
9.900	0.01	0.01	0.01	0.01	0.01
10.150	0.01	0.01	0.01	0.01	0.01
10.400	0.01	0.01	0.02	0.02	0.02
10.650	0.02	0.02	0.02	0.02	0.02
10.900	0.02	0.02	0.02	0.03	0.03
11.150	0.03	0.03	0.03	0.04	0.04
11.400	0.04	0.04	0.05	0.06	0.09
11.650	0.13	0.20	0.27	0.36	0.50
11.900	0.71	0.75	0.67	0.51	0.26
12.150	0.16	0.13	0.11	0.10	0.10
12.400	0.09	0.08	0.07	0.07	0.06
12.650	0.06	0.06	0.05	0.05	0.05
12.900	0.05	0.05	0.05	0.04	0.04
13.150	0.04	0.04	0.04	0.04	0.04
13.400	0.04	0.04	0.03	0.03	0.03
13.650	0.03	0.03	0.03	0.03	0.03
13.900	0.03	0.03	0.03	0.03	0.03
14.150	0.03	0.03	0.03	0.03	0.03
14.400	0.02	0.02	0.02	0.02	0.02
14.650	0.02	0.02	0.02	0.02	0.02
14.900	0.02	0.02	0.02	0.02	0.02
15.150	0.02	0.02	0.02	0.02	0.02
15.400	0.02	0.02	0.02	0.02	0.02
15.650	0.02	0.02	0.02	0.02	0.02
15.900	0.02	0.02	0.02	0.02	0.02
16.150	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 10 years

Label: DA-5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
16.400	0.02	0.02	0.02	0.02	0.02
16.650	0.02	0.02	0.02	0.02	0.02
16.900	0.02	0.02	0.01	0.01	0.01
17.150	0.01	0.01	0.01	0.01	0.01
17.400	0.01	0.01	0.01	0.01	0.01
17.650	0.01	0.01	0.01	0.01	0.01
17.900	0.01	0.01	0.01	0.01	0.01
18.150	0.01	0.01	0.01	0.01	0.01
18.400	0.01	0.01	0.01	0.01	0.01
18.650	0.01	0.01	0.01	0.01	0.01
18.900	0.01	0.01	0.01	0.01	0.01
19.150	0.01	0.01	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.650	0.01	0.01	0.01	0.01	0.01
19.900	0.01	0.01	0.01	0.01	0.01
20.150	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.650	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Label: DA-5

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Storm Event	25-YR
Return Event	25 years
Duration	24.000 hours
Depth	5.9 in
Time of Concentration (Composite)	0.101 hours
Area (User Defined)	7,379 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.100	0.00	0.00	0.00	0.00	0.00
6.350	0.00	0.00	0.00	0.00	0.00
6.600	0.00	0.00	0.00	0.00	0.00
6.850	0.00	0.00	0.00	0.00	0.00
7.100	0.00	0.00	0.00	0.00	0.00
7.350	0.00	0.00	0.00	0.00	0.00
7.600	0.00	0.00	0.00	0.00	0.00
7.850	0.00	0.00	0.00	0.00	0.01
8.100	0.01	0.01	0.01	0.01	0.01
8.350	0.01	0.01	0.01	0.01	0.01
8.600	0.01	0.01	0.01	0.01	0.01
8.850	0.01	0.01	0.01	0.01	0.01
9.100	0.01	0.01	0.01	0.01	0.01
9.350	0.01	0.01	0.01	0.01	0.01
9.600	0.01	0.01	0.01	0.01	0.01
9.850	0.01	0.02	0.02	0.02	0.02
10.100	0.02	0.02	0.02	0.02	0.02
10.350	0.02	0.02	0.02	0.02	0.02
10.600	0.03	0.03	0.03	0.03	0.03
10.850	0.03	0.03	0.03	0.04	0.04
11.100	0.04	0.04	0.05	0.05	0.05
11.350	0.06	0.06	0.06	0.07	0.09
11.600	0.13	0.19	0.27	0.37	0.49
11.850	0.68	0.95	0.99	0.88	0.67
12.100	0.34	0.21	0.17	0.15	0.13
12.350	0.12	0.11	0.10	0.09	0.09
12.600	0.08	0.08	0.07	0.07	0.07
12.850	0.07	0.06	0.06	0.06	0.06
13.100	0.05	0.05	0.05	0.05	0.05
13.350	0.05	0.05	0.05	0.04	0.04
13.600	0.04	0.04	0.04	0.04	0.04
13.850	0.04	0.04	0.04	0.03	0.03
14.100	0.03	0.03	0.03	0.03	0.03
14.350	0.03	0.03	0.03	0.03	0.03
14.600	0.03	0.03	0.03	0.03	0.03
14.850	0.03	0.03	0.03	0.03	0.03
15.100	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: DA-5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.350	0.03	0.03	0.03	0.02	0.02
15.600	0.02	0.02	0.02	0.02	0.02
15.850	0.02	0.02	0.02	0.02	0.02
16.100	0.02	0.02	0.02	0.02	0.02
16.350	0.02	0.02	0.02	0.02	0.02
16.600	0.02	0.02	0.02	0.02	0.02
16.850	0.02	0.02	0.02	0.02	0.02
17.100	0.02	0.02	0.02	0.02	0.02
17.350	0.02	0.02	0.02	0.02	0.02
17.600	0.02	0.02	0.02	0.02	0.02
17.850	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.350	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.01
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Storm Event	50-YR
Return Event	50 years
Duration	24.000 hours
Depth	6.9 in
Time of Concentration (Composite)	0.101 hours
Area (User Defined)	7,379 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.400	0.00	0.00	0.00	0.00	0.00
5.650	0.00	0.00	0.00	0.00	0.00
5.900	0.00	0.00	0.00	0.00	0.00
6.150	0.00	0.00	0.00	0.00	0.00
6.400	0.00	0.00	0.00	0.00	0.00
6.650	0.00	0.00	0.00	0.00	0.00
6.900	0.00	0.00	0.00	0.01	0.01
7.150	0.01	0.01	0.01	0.01	0.01
7.400	0.01	0.01	0.01	0.01	0.01
7.650	0.01	0.01	0.01	0.01	0.01
7.900	0.01	0.01	0.01	0.01	0.01
8.150	0.01	0.01	0.01	0.01	0.01
8.400	0.01	0.01	0.01	0.01	0.01
8.650	0.01	0.01	0.01	0.01	0.01
8.900	0.01	0.01	0.01	0.01	0.02
9.150	0.02	0.02	0.02	0.02	0.02
9.400	0.02	0.02	0.02	0.02	0.02
9.650	0.02	0.02	0.02	0.02	0.02
9.900	0.02	0.02	0.02	0.02	0.02
10.150	0.02	0.03	0.03	0.03	0.03
10.400	0.03	0.03	0.03	0.03	0.03
10.650	0.04	0.04	0.04	0.04	0.04
10.900	0.04	0.05	0.05	0.05	0.05
11.150	0.06	0.06	0.06	0.07	0.07
11.400	0.08	0.08	0.09	0.12	0.17
11.650	0.24	0.35	0.46	0.62	0.84
11.900	1.17	1.21	1.07	0.81	0.42
12.150	0.26	0.20	0.18	0.16	0.15
12.400	0.14	0.13	0.11	0.10	0.10
12.650	0.09	0.09	0.08	0.08	0.08
12.900	0.08	0.07	0.07	0.07	0.07
13.150	0.06	0.06	0.06	0.06	0.06
13.400	0.06	0.06	0.05	0.05	0.05
13.650	0.05	0.05	0.05	0.05	0.05
13.900	0.04	0.04	0.04	0.04	0.04
14.150	0.04	0.04	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 50 years

Label: DA-5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.650	0.04	0.04	0.04	0.03	0.03
14.900	0.03	0.03	0.03	0.03	0.03
15.150	0.03	0.03	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.02	0.02	0.02	0.02
16.400	0.02	0.02	0.02	0.02	0.02
16.650	0.02	0.02	0.02	0.02	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.01	0.01	0.01	0.01	0.01
20.150	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.650	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Storm Event	100-YR
Return Event	100 years
Duration	24.000 hours
Depth	8.2 in
Time of Concentration (Composite)	0.101 hours
Area (User Defined)	7,379 ft ²

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
4.700	0.00	0.00	0.00	0.00	0.00
4.950	0.00	0.00	0.00	0.00	0.00
5.200	0.00	0.00	0.00	0.00	0.00
5.450	0.00	0.00	0.00	0.00	0.00
5.700	0.00	0.00	0.00	0.00	0.00
5.950	0.00	0.00	0.00	0.00	0.01
6.200	0.01	0.01	0.01	0.01	0.01
6.450	0.01	0.01	0.01	0.01	0.01
6.700	0.01	0.01	0.01	0.01	0.01
6.950	0.01	0.01	0.01	0.01	0.01
7.200	0.01	0.01	0.01	0.01	0.01
7.450	0.01	0.01	0.01	0.01	0.01
7.700	0.01	0.01	0.01	0.01	0.01
7.950	0.01	0.01	0.01	0.01	0.01
8.200	0.01	0.01	0.01	0.01	0.01
8.450	0.01	0.02	0.02	0.02	0.02
8.700	0.02	0.02	0.02	0.02	0.02
8.950	0.02	0.02	0.02	0.02	0.02
9.200	0.02	0.02	0.02	0.02	0.02
9.450	0.02	0.02	0.02	0.02	0.02
9.700	0.02	0.03	0.03	0.03	0.03
9.950	0.03	0.03	0.03	0.03	0.03
10.200	0.03	0.04	0.04	0.04	0.04
10.450	0.04	0.04	0.04	0.05	0.05
10.700	0.05	0.05	0.05	0.06	0.06
10.950	0.06	0.06	0.07	0.07	0.07
11.200	0.08	0.08	0.09	0.09	0.10
11.450	0.11	0.11	0.15	0.21	0.30
11.700	0.44	0.58	0.77	1.04	1.43
11.950	1.48	1.30	0.98	0.50	0.31
12.200	0.24	0.21	0.19	0.18	0.16
12.450	0.15	0.13	0.12	0.11	0.11
12.700	0.10	0.10	0.10	0.09	0.09
12.950	0.09	0.08	0.08	0.08	0.08
13.200	0.07	0.07	0.07	0.07	0.07
13.450	0.07	0.06	0.06	0.06	0.06
13.700	0.06	0.06	0.06	0.05	0.05

Post-Development Conditions

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: DA-5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.950	0.05	0.05	0.05	0.05	0.05
14.200	0.05	0.05	0.05	0.05	0.05
14.450	0.04	0.04	0.04	0.04	0.04
14.700	0.04	0.04	0.04	0.04	0.04
14.950	0.04	0.04	0.04	0.04	0.04
15.200	0.04	0.04	0.04	0.04	0.04
15.450	0.04	0.04	0.04	0.03	0.03
15.700	0.03	0.03	0.03	0.03	0.03
15.950	0.03	0.03	0.03	0.03	0.03
16.200	0.03	0.03	0.03	0.03	0.03
16.450	0.03	0.03	0.03	0.03	0.03
16.700	0.03	0.03	0.03	0.03	0.03
16.950	0.03	0.03	0.03	0.03	0.03
17.200	0.03	0.03	0.03	0.03	0.03
17.450	0.03	0.03	0.03	0.03	0.03
17.700	0.03	0.02	0.02	0.02	0.02
17.950	0.02	0.02	0.02	0.02	0.02
18.200	0.02	0.02	0.02	0.02	0.02
18.450	0.02	0.02	0.02	0.02	0.02
18.700	0.02	0.02	0.02	0.02	0.02
18.950	0.02	0.02	0.02	0.02	0.02
19.200	0.02	0.02	0.02	0.02	0.02
19.450	0.02	0.02	0.02	0.02	0.02
19.700	0.02	0.02	0.02	0.02	0.02
19.950	0.02	0.02	0.02	0.02	0.02
20.200	0.02	0.02	0.02	0.02	0.02
20.450	0.02	0.02	0.02	0.02	0.02
20.700	0.02	0.02	0.02	0.02	0.02
20.950	0.02	0.02	0.02	0.02	0.02
21.200	0.02	0.02	0.02	0.02	0.02
21.450	0.02	0.02	0.02	0.02	0.02
21.700	0.02	0.02	0.02	0.02	0.02
21.950	0.02	0.02	0.02	0.02	0.02
22.200	0.02	0.02	0.02	0.02	0.02
22.450	0.02	0.02	0.02	0.02	0.02
22.700	0.02	0.02	0.02	0.02	0.02
22.950	0.02	0.02	0.02	0.02	0.02
23.200	0.02	0.02	0.02	0.02	0.02
23.450	0.02	0.02	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Addition Summary

Label: Outfall-Post

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Summary for Hydrograph Addition at 'Outfall-Post'

Upstream Link	Upstream Node
Outlet-5	Tranch 5
Outlet-1	Trench 1
Outlet-2	Trench 2
Outlet-3	Trench 3
Outlet-4	Trench 4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet-5	0.000	0.000	0.00
Flow (From)	Outlet-1	0.000	0.000	0.00
Flow (From)	Outlet-2	170.545	20.800	0.01
Flow (From)	Outlet-3	241.683	18.000	0.01
Flow (From)	Outlet-4	609.423	12.100	0.18
Flow (In)	Outfall-Post	1,021.651	12.100	0.18

Post-Development Conditions

Subsection: Addition Summary

Label: Outfall-Post

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Summary for Hydrograph Addition at 'Outfall-Post'

Upstream Link	Upstream Node
Outlet-5	Tranch 5
Outlet-1	Trench 1
Outlet-2	Trench 2
Outlet-3	Trench 3
Outlet-4	Trench 4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet-5	0.000	0.000	0.00
Flow (From)	Outlet-1	0.979	24.000	0.01
Flow (From)	Outlet-2	887.104	13.550	0.05
Flow (From)	Outlet-3	806.706	13.300	0.05
Flow (From)	Outlet-4	941.741	12.050	0.43
Flow (In)	Outfall-Post	2,636.530	12.050	0.43

Post-Development Conditions

Subsection: Addition Summary

Label: Outfall-Post

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Summary for Hydrograph Addition at 'Outfall-Post'

Upstream Link	Upstream Node
Outlet-5	Tranch 5
Outlet-1	Trench 1
Outlet-2	Trench 2
Outlet-3	Trench 3
Outlet-4	Trench 4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet-5	69.702	21.750	0.01
Flow (From)	Outlet-1	119.175	21.350	0.01
Flow (From)	Outlet-2	1,590.323	12.500	0.16
Flow (From)	Outlet-3	1,702.710	12.150	0.54
Flow (From)	Outlet-4	1,465.805	12.000	0.66
Flow (In)	Outfall-Post	4,947.715	12.150	0.85

Post-Development Conditions

Subsection: Addition Summary

Label: Outfall-Post

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Summary for Hydrograph Addition at 'Outfall-Post'

Upstream Link	Upstream Node
Outlet-5	Tranch 5
Outlet-1	Trench 1
Outlet-2	Trench 2
Outlet-3	Trench 3
Outlet-4	Trench 4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet-5	454.848	14.450	0.02
Flow (From)	Outlet-1	763.415	14.300	0.04
Flow (From)	Outlet-2	2,609.354	12.050	1.44
Flow (From)	Outlet-3	2,531.877	12.100	1.21
Flow (From)	Outlet-4	1,948.726	12.000	0.86
Flow (In)	Outfall-Post	8,308.219	12.050	3.28

Post-Development Conditions

Subsection: Addition Summary

Label: Outfall-Post

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Summary for Hydrograph Addition at 'Outfall-Post'

Upstream Link	Upstream Node
Outlet-5	Tranch 5
Outlet-1	Trench 1
Outlet-2	Trench 2
Outlet-3	Trench 3
Outlet-4	Trench 4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet-5	1,070.323	12.250	0.15
Flow (From)	Outlet-1	1,798.186	12.200	0.29
Flow (From)	Outlet-2	4,237.711	11.950	3.39
Flow (From)	Outlet-3	3,870.780	12.000	2.15
Flow (From)	Outlet-4	2,725.888	12.000	1.14
Flow (In)	Outfall-Post	13,702.889	11.950	5.54

Post-Development Conditions

Subsection: Addition Summary

Label: Outfall-Post

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Summary for Hydrograph Addition at 'Outfall-Post'

Upstream Link	Upstream Node
Outlet-5	Tranch 5
Outlet-1	Trench 1
Outlet-2	Trench 2
Outlet-3	Trench 3
Outlet-4	Trench 4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet-5	1,654.724	12.050	0.94
Flow (From)	Outlet-1	3,367.115	11.950	2.16
Flow (From)	Outlet-2	588.023	11.850	0.01
Flow (From)	Outlet-3	5,152.748	12.000	2.33
Flow (From)	Outlet-4	3,467.972	12.000	1.41
Flow (In)	Outfall-Post	14,230.582	12.050	5.82

Post-Development Conditions

Subsection: Addition Summary

Label: Outfall-Post

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Summary for Hydrograph Addition at 'Outfall-Post'

Upstream Link	Upstream Node
Outlet-5	Trench 5
Outlet-1	Trench 1
Outlet-2	Trench 2
Outlet-3	Trench 3
Outlet-4	Trench 4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Outlet-5	2,359.273	12.000	1.53
Flow (From)	Outlet-1	4,995.738	11.900	2.63
Flow (From)	Outlet-2	8,071.637	11.900	4.12
Flow (From)	Outlet-3	6,707.534	12.000	2.81
Flow (From)	Outlet-4	4,366.214	12.000	1.73
Flow (In)	Outfall-Post	26,500.395	12.000	11.97

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Tranch 5 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.56	521.56	521.56	521.56	521.56
0.250	521.56	521.56	521.56	521.56	521.56
0.500	521.56	521.56	521.56	521.56	521.56
0.750	521.56	521.56	521.56	521.56	521.56
1.000	521.56	521.56	521.56	521.56	521.56
1.250	521.56	521.56	521.56	521.56	521.56
1.500	521.56	521.56	521.56	521.56	521.56
1.750	521.56	521.56	521.56	521.56	521.56
2.000	521.56	521.56	521.56	521.56	521.56
2.250	521.56	521.56	521.56	521.56	521.56
2.500	521.56	521.56	521.56	521.56	521.56
2.750	521.56	521.56	521.56	521.56	521.56
3.000	521.56	521.56	521.56	521.56	521.56
3.250	521.56	521.56	521.56	521.56	521.56
3.500	521.56	521.56	521.56	521.56	521.56
3.750	521.56	521.56	521.56	521.56	521.56
4.000	521.56	521.56	521.56	521.56	521.56
4.250	521.56	521.56	521.56	521.56	521.56
4.500	521.56	521.56	521.56	521.56	521.56
4.750	521.56	521.56	521.56	521.56	521.56
5.000	521.56	521.56	521.56	521.56	521.56
5.250	521.56	521.56	521.56	521.56	521.56
5.500	521.56	521.56	521.56	521.56	521.56
5.750	521.56	521.56	521.56	521.56	521.56
6.000	521.56	521.56	521.56	521.56	521.56
6.250	521.56	521.56	521.56	521.56	521.56
6.500	521.56	521.56	521.56	521.56	521.56
6.750	521.56	521.56	521.56	521.56	521.56
7.000	521.56	521.56	521.56	521.56	521.56
7.250	521.56	521.56	521.56	521.56	521.56
7.500	521.56	521.56	521.56	521.56	521.56
7.750	521.56	521.56	521.56	521.56	521.56
8.000	521.56	521.56	521.56	521.56	521.56
8.250	521.56	521.56	521.56	521.56	521.56
8.500	521.56	521.56	521.56	521.56	521.56
8.750	521.56	521.56	521.56	521.56	521.56
9.000	521.56	521.56	521.56	521.56	521.56
9.250	521.56	521.56	521.56	521.56	521.56
9.500	521.56	521.56	521.56	521.56	521.56
9.750	521.56	521.56	521.56	521.56	521.56
10.000	521.56	521.56	521.56	521.56	521.56
10.250	521.56	521.56	521.57	521.57	521.57
10.500	521.57	521.57	521.57	521.57	521.57
10.750	521.57	521.57	521.57	521.58	521.58
11.000	521.58	521.58	521.58	521.58	521.59

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Tranch 5 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.59	521.59	521.59	521.60	521.60
11.500	521.60	521.61	521.61	521.62	521.64
11.750	521.66	521.69	521.73	521.80	521.88
12.000	521.96	522.03	522.08	522.11	522.13
12.250	522.14	522.15	522.17	522.18	522.19
12.500	522.20	522.21	522.22	522.22	522.23
12.750	522.24	522.24	522.25	522.26	522.26
13.000	522.27	522.27	522.28	522.29	522.29
13.250	522.30	522.30	522.31	522.31	522.32
13.500	522.32	522.32	522.33	522.33	522.34
13.750	522.34	522.35	522.35	522.35	522.36
14.000	522.36	522.36	522.37	522.37	522.37
14.250	522.38	522.38	522.38	522.39	522.39
14.500	522.39	522.40	522.40	522.40	522.41
14.750	522.41	522.41	522.41	522.42	522.42
15.000	522.42	522.43	522.43	522.43	522.43
15.250	522.44	522.44	522.44	522.45	522.45
15.500	522.45	522.45	522.46	522.46	522.46
15.750	522.46	522.47	522.47	522.47	522.47
16.000	522.47	522.48	522.48	522.48	522.48
16.250	522.49	522.49	522.49	522.49	522.49
16.500	522.50	522.50	522.50	522.50	522.50
16.750	522.51	522.51	522.51	522.51	522.51
17.000	522.52	522.52	522.52	522.52	522.52
17.250	522.53	522.53	522.53	522.53	522.53
17.500	522.54	522.54	522.54	522.54	522.54
17.750	522.55	522.55	522.55	522.55	522.55
18.000	522.55	522.56	522.56	522.56	522.56
18.250	522.56	522.56	522.57	522.57	522.57
18.500	522.57	522.57	522.57	522.58	522.58
18.750	522.58	522.58	522.58	522.58	522.59
19.000	522.59	522.59	522.59	522.59	522.59
19.250	522.59	522.60	522.60	522.60	522.60
19.500	522.60	522.60	522.60	522.61	522.61
19.750	522.61	522.61	522.61	522.61	522.61
20.000	522.62	522.62	522.62	522.62	522.62
20.250	522.62	522.62	522.62	522.63	522.63
20.500	522.63	522.63	522.63	522.63	522.63
20.750	522.63	522.64	522.64	522.64	522.64
21.000	522.64	522.64	522.64	522.64	522.65
21.250	522.65	522.65	522.65	522.65	522.65
21.500	522.65	522.65	522.66	522.66	522.66
21.750	522.66	522.66	522.66	522.66	522.66
22.000	522.67	522.67	522.67	522.67	522.67
22.250	522.67	522.67	522.67	522.67	522.68

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Tranch 5 (OUT)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	522.68	522.68	522.68	522.68	522.68
22.750	522.68	522.68	522.69	522.69	522.69
23.000	522.69	522.69	522.69	522.69	522.69
23.250	522.69	522.70	522.70	522.70	522.70
23.500	522.70	522.70	522.70	522.70	522.70
23.750	522.71	522.71	522.71	522.71	522.71
24.000	522.71	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Tranch 5 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.56	521.56	521.56	521.56	521.56
0.250	521.56	521.56	521.56	521.56	521.56
0.500	521.56	521.56	521.56	521.56	521.56
0.750	521.56	521.56	521.56	521.56	521.56
1.000	521.56	521.56	521.56	521.56	521.56
1.250	521.56	521.56	521.56	521.56	521.56
1.500	521.56	521.56	521.56	521.56	521.56
1.750	521.56	521.56	521.56	521.56	521.56
2.000	521.56	521.56	521.56	521.56	521.56
2.250	521.56	521.56	521.56	521.56	521.56
2.500	521.56	521.56	521.56	521.56	521.56
2.750	521.56	521.56	521.56	521.56	521.56
3.000	521.56	521.56	521.56	521.56	521.56
3.250	521.56	521.56	521.56	521.56	521.56
3.500	521.56	521.56	521.56	521.56	521.56
3.750	521.56	521.56	521.56	521.56	521.56
4.000	521.56	521.56	521.56	521.56	521.56
4.250	521.56	521.56	521.56	521.56	521.56
4.500	521.56	521.56	521.56	521.56	521.56
4.750	521.56	521.56	521.56	521.56	521.56
5.000	521.56	521.56	521.56	521.56	521.56
5.250	521.56	521.56	521.56	521.56	521.56
5.500	521.56	521.56	521.56	521.56	521.56
5.750	521.56	521.56	521.56	521.56	521.56
6.000	521.56	521.56	521.56	521.56	521.56
6.250	521.56	521.56	521.56	521.56	521.56
6.500	521.56	521.56	521.56	521.56	521.56
6.750	521.56	521.56	521.56	521.56	521.56
7.000	521.56	521.56	521.56	521.56	521.56
7.250	521.56	521.56	521.56	521.56	521.56
7.500	521.56	521.56	521.56	521.56	521.56
7.750	521.56	521.56	521.56	521.56	521.56
8.000	521.56	521.56	521.56	521.56	521.56
8.250	521.56	521.56	521.56	521.56	521.56
8.500	521.56	521.56	521.56	521.56	521.56
8.750	521.56	521.56	521.56	521.56	521.56
9.000	521.56	521.56	521.56	521.56	521.56
9.250	521.56	521.56	521.56	521.56	521.56
9.500	521.57	521.57	521.57	521.57	521.57
9.750	521.57	521.57	521.57	521.57	521.57
10.000	521.57	521.57	521.57	521.57	521.57
10.250	521.58	521.58	521.58	521.58	521.58
10.500	521.58	521.59	521.59	521.59	521.59
10.750	521.59	521.59	521.60	521.60	521.60
11.000	521.60	521.61	521.61	521.61	521.62

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Tranch 5 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.62	521.63	521.63	521.63	521.64
11.500	521.65	521.65	521.66	521.68	521.70
11.750	521.73	521.78	521.84	521.93	522.04
12.000	522.15	522.25	522.31	522.34	522.37
12.250	522.39	522.41	522.42	522.44	522.45
12.500	522.46	522.47	522.49	522.50	522.50
12.750	522.51	522.52	522.53	522.54	522.55
13.000	522.56	522.56	522.57	522.58	522.58
13.250	522.59	522.60	522.60	522.61	522.62
13.500	522.62	522.63	522.63	522.64	522.64
13.750	522.65	522.65	522.66	522.66	522.67
14.000	522.67	522.68	522.68	522.69	522.69
14.250	522.70	522.70	522.70	522.71	522.71
14.500	522.72	522.72	522.72	522.73	522.73
14.750	522.74	522.74	522.74	522.75	522.75
15.000	522.76	522.76	522.76	522.77	522.77
15.250	522.77	522.78	522.78	522.78	522.79
15.500	522.79	522.79	522.80	522.80	522.80
15.750	522.81	522.81	522.81	522.82	522.82
16.000	522.82	522.82	522.83	522.83	522.83
16.250	522.84	522.84	522.84	522.84	522.85
16.500	522.85	522.85	522.85	522.86	522.86
16.750	522.86	522.87	522.87	522.87	522.87
17.000	522.88	522.88	522.88	522.88	522.89
17.250	522.89	522.89	522.89	522.90	522.90
17.500	522.90	522.90	522.91	522.91	522.91
17.750	522.91	522.91	522.92	522.92	522.92
18.000	522.92	522.93	522.93	522.93	522.93
18.250	522.93	522.94	522.94	522.94	522.94
18.500	522.95	522.95	522.95	522.95	522.95
18.750	522.96	522.96	522.96	522.96	522.96
19.000	522.97	522.97	522.97	522.97	522.97
19.250	522.98	522.98	522.98	522.98	522.98
19.500	522.98	522.99	522.99	522.99	522.99
19.750	522.99	523.00	523.00	523.00	523.00
20.000	523.00	523.00	523.01	523.01	523.01
20.250	523.01	523.01	523.01	523.02	523.02
20.500	523.02	523.02	523.02	523.02	523.02
20.750	523.03	523.03	523.03	523.03	523.03
21.000	523.03	523.04	523.04	523.04	523.04
21.250	523.04	523.04	523.05	523.05	523.05
21.500	523.05	523.05	523.05	523.05	523.06
21.750	523.06	523.06	523.06	523.06	523.06
22.000	523.07	523.07	523.07	523.07	523.07
22.250	523.07	523.07	523.08	523.08	523.08

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Tranch 5 (OUT)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.08	523.08	523.08	523.08	523.09
22.750	523.09	523.09	523.09	523.09	523.09
23.000	523.10	523.10	523.10	523.10	523.10
23.250	523.10	523.10	523.11	523.11	523.11
23.500	523.11	523.11	523.11	523.11	523.12
23.750	523.12	523.12	523.12	523.12	523.12
24.000	523.12	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Tranch 5 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.56	521.56	521.56	521.56	521.56
0.250	521.56	521.56	521.56	521.56	521.56
0.500	521.56	521.56	521.56	521.56	521.56
0.750	521.56	521.56	521.56	521.56	521.56
1.000	521.56	521.56	521.56	521.56	521.56
1.250	521.56	521.56	521.56	521.56	521.56
1.500	521.56	521.56	521.56	521.56	521.56
1.750	521.56	521.56	521.56	521.56	521.56
2.000	521.56	521.56	521.56	521.56	521.56
2.250	521.56	521.56	521.56	521.56	521.56
2.500	521.56	521.56	521.56	521.56	521.56
2.750	521.56	521.56	521.56	521.56	521.56
3.000	521.56	521.56	521.56	521.56	521.56
3.250	521.56	521.56	521.56	521.56	521.56
3.500	521.56	521.56	521.56	521.56	521.56
3.750	521.56	521.56	521.56	521.56	521.56
4.000	521.56	521.56	521.56	521.56	521.56
4.250	521.56	521.56	521.56	521.56	521.56
4.500	521.56	521.56	521.56	521.56	521.56
4.750	521.56	521.56	521.56	521.56	521.56
5.000	521.56	521.56	521.56	521.56	521.56
5.250	521.56	521.56	521.56	521.56	521.56
5.500	521.56	521.56	521.56	521.56	521.56
5.750	521.56	521.56	521.56	521.56	521.56
6.000	521.56	521.56	521.56	521.56	521.56
6.250	521.56	521.56	521.56	521.56	521.56
6.500	521.56	521.56	521.56	521.56	521.56
6.750	521.56	521.56	521.56	521.56	521.56
7.000	521.56	521.56	521.56	521.56	521.56
7.250	521.56	521.56	521.56	521.56	521.56
7.500	521.56	521.56	521.56	521.56	521.56
7.750	521.56	521.56	521.56	521.56	521.56
8.000	521.56	521.56	521.56	521.56	521.56
8.250	521.56	521.56	521.56	521.56	521.57
8.500	521.57	521.57	521.57	521.57	521.57
8.750	521.57	521.57	521.57	521.57	521.57
9.000	521.57	521.57	521.57	521.58	521.58
9.250	521.58	521.58	521.58	521.58	521.58
9.500	521.58	521.58	521.59	521.59	521.59
9.750	521.59	521.59	521.59	521.59	521.60
10.000	521.60	521.60	521.60	521.60	521.61
10.250	521.61	521.61	521.61	521.62	521.62
10.500	521.62	521.62	521.63	521.63	521.63
10.750	521.64	521.64	521.65	521.65	521.65
11.000	521.66	521.66	521.67	521.67	521.68

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Tranch 5 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.69	521.69	521.70	521.71	521.72
11.500	521.73	521.74	521.75	521.78	521.81
11.750	521.86	521.93	522.02	522.15	522.31
12.000	522.46	522.59	522.68	522.73	522.76
12.250	522.79	522.81	522.83	522.85	522.87
12.500	522.89	522.90	522.92	522.93	522.94
12.750	522.96	522.97	522.98	522.99	523.00
13.000	523.01	523.02	523.03	523.04	523.05
13.250	523.06	523.07	523.08	523.09	523.09
13.500	523.10	523.11	523.12	523.12	523.13
13.750	523.14	523.14	523.15	523.16	523.16
14.000	523.17	523.18	523.18	523.19	523.19
14.250	523.20	523.21	523.21	523.22	523.22
14.500	523.23	523.23	523.24	523.24	523.25
14.750	523.25	523.26	523.27	523.27	523.28
15.000	523.28	523.29	523.29	523.29	523.30
15.250	523.30	523.31	523.31	523.32	523.32
15.500	523.33	523.33	523.34	523.34	523.34
15.750	523.35	523.35	523.36	523.36	523.36
16.000	523.37	523.37	523.38	523.38	523.38
16.250	523.39	523.39	523.39	523.40	523.40
16.500	523.40	523.41	523.41	523.42	523.42
16.750	523.42	523.43	523.43	523.43	523.44
17.000	523.44	523.44	523.45	523.45	523.45
17.250	523.46	523.46	523.46	523.47	523.47
17.500	523.47	523.48	523.48	523.48	523.48
17.750	523.49	523.49	523.49	523.50	523.50
18.000	523.50	523.51	523.51	523.51	523.51
18.250	523.52	523.52	523.52	523.53	523.53
18.500	523.53	523.53	523.54	523.54	523.54
18.750	523.55	523.55	523.55	523.55	523.56
19.000	523.56	523.56	523.56	523.57	523.57
19.250	523.57	523.57	523.58	523.58	523.58
19.500	523.58	523.59	523.59	523.59	523.59
19.750	523.60	523.60	523.60	523.60	523.60
20.000	523.61	523.61	523.61	523.61	523.62
20.250	523.62	523.62	523.62	523.62	523.63
20.500	523.63	523.63	523.63	523.63	523.64
20.750	523.64	523.64	523.64	523.64	523.65
21.000	523.65	523.65	523.65	523.65	523.65
21.250	523.66	523.66	523.66	523.66	523.66
21.500	523.66	523.66	523.66	523.66	523.66
21.750	523.66	523.66	523.66	523.66	523.66
22.000	523.66	523.66	523.66	523.66	523.66
22.250	523.66	523.66	523.66	523.66	523.66

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Tranch 5 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.66	523.66	523.66	523.66	523.66
22.750	523.66	523.66	523.66	523.66	523.66
23.000	523.66	523.66	523.66	523.66	523.66
23.250	523.66	523.66	523.66	523.66	523.66
23.500	523.66	523.66	523.66	523.66	523.66
23.750	523.66	523.66	523.66	523.66	523.66
24.000	523.66	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Tranch 5 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.56	521.56	521.56	521.56	521.56
0.250	521.56	521.56	521.56	521.56	521.56
0.500	521.56	521.56	521.56	521.56	521.56
0.750	521.56	521.56	521.56	521.56	521.56
1.000	521.56	521.56	521.56	521.56	521.56
1.250	521.56	521.56	521.56	521.56	521.56
1.500	521.56	521.56	521.56	521.56	521.56
1.750	521.56	521.56	521.56	521.56	521.56
2.000	521.56	521.56	521.56	521.56	521.56
2.250	521.56	521.56	521.56	521.56	521.56
2.500	521.56	521.56	521.56	521.56	521.56
2.750	521.56	521.56	521.56	521.56	521.56
3.000	521.56	521.56	521.56	521.56	521.56
3.250	521.56	521.56	521.56	521.56	521.56
3.500	521.56	521.56	521.56	521.56	521.56
3.750	521.56	521.56	521.56	521.56	521.56
4.000	521.56	521.56	521.56	521.56	521.56
4.250	521.56	521.56	521.56	521.56	521.56
4.500	521.56	521.56	521.56	521.56	521.56
4.750	521.56	521.56	521.56	521.56	521.56
5.000	521.56	521.56	521.56	521.56	521.56
5.250	521.56	521.56	521.56	521.56	521.56
5.500	521.56	521.56	521.56	521.56	521.56
5.750	521.56	521.56	521.56	521.56	521.56
6.000	521.56	521.56	521.56	521.56	521.56
6.250	521.56	521.56	521.56	521.56	521.56
6.500	521.56	521.56	521.56	521.56	521.56
6.750	521.56	521.56	521.56	521.56	521.56
7.000	521.56	521.56	521.56	521.56	521.56
7.250	521.56	521.56	521.56	521.56	521.56
7.500	521.56	521.56	521.57	521.57	521.57
7.750	521.57	521.57	521.57	521.57	521.57
8.000	521.57	521.57	521.57	521.57	521.57
8.250	521.57	521.57	521.58	521.58	521.58
8.500	521.58	521.58	521.58	521.58	521.58
8.750	521.58	521.58	521.59	521.59	521.59
9.000	521.59	521.59	521.59	521.60	521.60
9.250	521.60	521.60	521.60	521.60	521.61
9.500	521.61	521.61	521.61	521.61	521.62
9.750	521.62	521.62	521.62	521.63	521.63
10.000	521.63	521.63	521.64	521.64	521.64
10.250	521.65	521.65	521.65	521.66	521.66
10.500	521.67	521.67	521.67	521.68	521.68
10.750	521.69	521.70	521.70	521.71	521.71
11.000	521.72	521.73	521.73	521.74	521.75

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Tranch 5 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.76	521.77	521.78	521.79	521.80
11.500	521.82	521.83	521.85	521.88	521.93
11.750	521.99	522.08	522.20	522.36	522.56
12.000	522.76	522.92	523.03	523.08	523.13
12.250	523.16	523.19	523.22	523.24	523.26
12.500	523.28	523.30	523.32	523.34	523.35
12.750	523.37	523.38	523.40	523.41	523.42
13.000	523.44	523.45	523.46	523.47	523.48
13.250	523.49	523.51	523.52	523.53	523.54
13.500	523.55	523.55	523.56	523.57	523.58
13.750	523.59	523.60	523.61	523.61	523.62
14.000	523.63	523.64	523.64	523.65	523.66
14.250	523.66	523.67	523.67	523.67	523.67
14.500	523.67	523.67	523.67	523.67	523.67
14.750	523.67	523.67	523.67	523.67	523.67
15.000	523.67	523.67	523.67	523.67	523.67
15.250	523.67	523.67	523.67	523.66	523.66
15.500	523.66	523.66	523.66	523.66	523.66
15.750	523.66	523.66	523.66	523.66	523.66
16.000	523.66	523.66	523.66	523.66	523.66
16.250	523.66	523.66	523.66	523.66	523.66
16.500	523.66	523.66	523.66	523.66	523.66
16.750	523.66	523.66	523.66	523.66	523.66
17.000	523.66	523.66	523.66	523.66	523.66
17.250	523.66	523.66	523.66	523.66	523.66
17.500	523.66	523.66	523.66	523.66	523.66
17.750	523.66	523.66	523.66	523.66	523.66
18.000	523.66	523.66	523.66	523.66	523.66
18.250	523.66	523.66	523.66	523.66	523.66
18.500	523.66	523.66	523.66	523.66	523.66
18.750	523.66	523.66	523.66	523.66	523.66
19.000	523.66	523.66	523.66	523.66	523.66
19.250	523.66	523.66	523.66	523.66	523.66
19.500	523.66	523.66	523.66	523.66	523.66
19.750	523.66	523.66	523.66	523.66	523.66
20.000	523.66	523.66	523.66	523.66	523.66
20.250	523.66	523.66	523.66	523.66	523.66
20.500	523.66	523.66	523.66	523.66	523.66
20.750	523.66	523.66	523.66	523.66	523.66
21.000	523.66	523.66	523.66	523.66	523.66
21.250	523.66	523.66	523.66	523.66	523.66
21.500	523.66	523.66	523.66	523.66	523.66
21.750	523.66	523.66	523.66	523.66	523.66
22.000	523.66	523.66	523.66	523.66	523.66
22.250	523.66	523.66	523.66	523.66	523.66

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Tranch 5 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.66	523.66	523.66	523.66	523.66
22.750	523.66	523.66	523.66	523.66	523.66
23.000	523.66	523.66	523.66	523.66	523.66
23.250	523.66	523.66	523.66	523.66	523.66
23.500	523.66	523.66	523.66	523.66	523.66
23.750	523.66	523.66	523.66	523.66	523.66
24.000	523.66	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Tranch 5 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.56	521.56	521.56	521.56	521.56
0.250	521.56	521.56	521.56	521.56	521.56
0.500	521.56	521.56	521.56	521.56	521.56
0.750	521.56	521.56	521.56	521.56	521.56
1.000	521.56	521.56	521.56	521.56	521.56
1.250	521.56	521.56	521.56	521.56	521.56
1.500	521.56	521.56	521.56	521.56	521.56
1.750	521.56	521.56	521.56	521.56	521.56
2.000	521.56	521.56	521.56	521.56	521.56
2.250	521.56	521.56	521.56	521.56	521.56
2.500	521.56	521.56	521.56	521.56	521.56
2.750	521.56	521.56	521.56	521.56	521.56
3.000	521.56	521.56	521.56	521.56	521.56
3.250	521.56	521.56	521.56	521.56	521.56
3.500	521.56	521.56	521.56	521.56	521.56
3.750	521.56	521.56	521.56	521.56	521.56
4.000	521.56	521.56	521.56	521.56	521.56
4.250	521.56	521.56	521.56	521.56	521.56
4.500	521.56	521.56	521.56	521.56	521.56
4.750	521.56	521.56	521.56	521.56	521.56
5.000	521.56	521.56	521.56	521.56	521.56
5.250	521.56	521.56	521.56	521.56	521.56
5.500	521.56	521.56	521.56	521.56	521.56
5.750	521.56	521.56	521.56	521.56	521.56
6.000	521.56	521.56	521.56	521.56	521.56
6.250	521.56	521.56	521.56	521.56	521.56
6.500	521.56	521.56	521.57	521.57	521.57
6.750	521.57	521.57	521.57	521.57	521.57
7.000	521.57	521.57	521.57	521.57	521.57
7.250	521.57	521.58	521.58	521.58	521.58
7.500	521.58	521.58	521.58	521.58	521.58
7.750	521.59	521.59	521.59	521.59	521.59
8.000	521.59	521.59	521.59	521.60	521.60
8.250	521.60	521.60	521.60	521.60	521.61
8.500	521.61	521.61	521.61	521.61	521.62
8.750	521.62	521.62	521.62	521.63	521.63
9.000	521.63	521.63	521.64	521.64	521.64
9.250	521.65	521.65	521.65	521.65	521.66
9.500	521.66	521.66	521.67	521.67	521.67
9.750	521.68	521.68	521.69	521.69	521.69
10.000	521.70	521.70	521.71	521.71	521.72
10.250	521.72	521.73	521.73	521.74	521.75
10.500	521.75	521.76	521.77	521.77	521.78
10.750	521.79	521.80	521.81	521.81	521.82
11.000	521.83	521.84	521.85	521.87	521.88

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Tranch 5 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.89	521.91	521.92	521.94	521.95
11.500	521.97	521.99	522.02	522.07	522.13
11.750	522.22	522.34	522.50	522.72	522.99
12.000	523.24	523.45	523.59	523.67	523.70
12.250	523.70	523.70	523.70	523.70	523.69
12.500	523.69	523.69	523.68	523.68	523.68
12.750	523.68	523.68	523.68	523.68	523.68
13.000	523.68	523.68	523.68	523.68	523.67
13.250	523.67	523.67	523.67	523.67	523.67
13.500	523.67	523.67	523.67	523.67	523.67
13.750	523.67	523.67	523.67	523.67	523.67
14.000	523.67	523.67	523.67	523.67	523.67
14.250	523.67	523.67	523.67	523.67	523.67
14.500	523.67	523.67	523.67	523.67	523.67
14.750	523.67	523.67	523.67	523.67	523.67
15.000	523.67	523.67	523.67	523.67	523.67
15.250	523.67	523.67	523.67	523.67	523.67
15.500	523.67	523.67	523.67	523.67	523.67
15.750	523.67	523.67	523.67	523.67	523.67
16.000	523.67	523.67	523.67	523.67	523.67
16.250	523.67	523.67	523.67	523.67	523.67
16.500	523.66	523.66	523.66	523.66	523.66
16.750	523.66	523.66	523.66	523.66	523.66
17.000	523.66	523.66	523.66	523.66	523.66
17.250	523.66	523.66	523.66	523.66	523.66
17.500	523.66	523.66	523.66	523.66	523.66
17.750	523.66	523.66	523.66	523.66	523.66
18.000	523.66	523.66	523.66	523.66	523.66
18.250	523.66	523.66	523.66	523.66	523.66
18.500	523.66	523.66	523.66	523.66	523.66
18.750	523.66	523.66	523.66	523.66	523.66
19.000	523.66	523.66	523.66	523.66	523.66
19.250	523.66	523.66	523.66	523.66	523.66
19.500	523.66	523.66	523.66	523.66	523.66
19.750	523.66	523.66	523.66	523.66	523.66
20.000	523.66	523.66	523.66	523.66	523.66
20.250	523.66	523.66	523.66	523.66	523.66
20.500	523.66	523.66	523.66	523.66	523.66
20.750	523.66	523.66	523.66	523.66	523.66
21.000	523.66	523.66	523.66	523.66	523.66
21.250	523.66	523.66	523.66	523.66	523.66
21.500	523.66	523.66	523.66	523.66	523.66
21.750	523.66	523.66	523.66	523.66	523.66
22.000	523.66	523.66	523.66	523.66	523.66
22.250	523.66	523.66	523.66	523.66	523.66

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Tranch 5 (OUT)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.66	523.66	523.66	523.66	523.66
22.750	523.66	523.66	523.66	523.66	523.66
23.000	523.66	523.66	523.66	523.66	523.66
23.250	523.66	523.66	523.66	523.66	523.66
23.500	523.66	523.66	523.66	523.66	523.66
23.750	523.66	523.66	523.66	523.66	523.66
24.000	523.66	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Tranch 5 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.56	521.56	521.56	521.56	521.56
0.250	521.56	521.56	521.56	521.56	521.56
0.500	521.56	521.56	521.56	521.56	521.56
0.750	521.56	521.56	521.56	521.56	521.56
1.000	521.56	521.56	521.56	521.56	521.56
1.250	521.56	521.56	521.56	521.56	521.56
1.500	521.56	521.56	521.56	521.56	521.56
1.750	521.56	521.56	521.56	521.56	521.56
2.000	521.56	521.56	521.56	521.56	521.56
2.250	521.56	521.56	521.56	521.56	521.56
2.500	521.56	521.56	521.56	521.56	521.56
2.750	521.56	521.56	521.56	521.56	521.56
3.000	521.56	521.56	521.56	521.56	521.56
3.250	521.56	521.56	521.56	521.56	521.56
3.500	521.56	521.56	521.56	521.56	521.56
3.750	521.56	521.56	521.56	521.56	521.56
4.000	521.56	521.56	521.56	521.56	521.56
4.250	521.56	521.56	521.56	521.56	521.56
4.500	521.56	521.56	521.56	521.56	521.56
4.750	521.56	521.56	521.56	521.56	521.56
5.000	521.56	521.56	521.56	521.56	521.56
5.250	521.56	521.56	521.56	521.56	521.56
5.500	521.56	521.56	521.56	521.56	521.56
5.750	521.56	521.56	521.56	521.57	521.57
6.000	521.57	521.57	521.57	521.57	521.57
6.250	521.57	521.57	521.57	521.57	521.57
6.500	521.58	521.58	521.58	521.58	521.58
6.750	521.58	521.58	521.58	521.58	521.59
7.000	521.59	521.59	521.59	521.59	521.59
7.250	521.59	521.60	521.60	521.60	521.60
7.500	521.60	521.60	521.61	521.61	521.61
7.750	521.61	521.61	521.61	521.62	521.62
8.000	521.62	521.62	521.63	521.63	521.63
8.250	521.63	521.63	521.64	521.64	521.64
8.500	521.65	521.65	521.65	521.65	521.66
8.750	521.66	521.66	521.67	521.67	521.68
9.000	521.68	521.68	521.69	521.69	521.70
9.250	521.70	521.71	521.71	521.71	521.72
9.500	521.72	521.73	521.73	521.74	521.74
9.750	521.75	521.75	521.76	521.76	521.77
10.000	521.78	521.78	521.79	521.79	521.80
10.250	521.81	521.82	521.82	521.83	521.84
10.500	521.85	521.86	521.87	521.88	521.89
10.750	521.90	521.91	521.92	521.93	521.94
11.000	521.96	521.97	521.98	522.00	522.02

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Tranch 5 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	522.03	522.05	522.07	522.09	522.11
11.500	522.14	522.17	522.20	522.26	522.34
11.750	522.45	522.60	522.80	523.08	523.40
12.000	523.70	523.81	523.78	523.75	523.74
12.250	523.72	523.71	523.71	523.70	523.70
12.500	523.70	523.69	523.69	523.69	523.69
12.750	523.68	523.68	523.68	523.68	523.68
13.000	523.68	523.68	523.68	523.68	523.68
13.250	523.68	523.68	523.68	523.68	523.68
13.500	523.68	523.67	523.67	523.67	523.67
13.750	523.67	523.67	523.67	523.67	523.67
14.000	523.67	523.67	523.67	523.67	523.67
14.250	523.67	523.67	523.67	523.67	523.67
14.500	523.67	523.67	523.67	523.67	523.67
14.750	523.67	523.67	523.67	523.67	523.67
15.000	523.67	523.67	523.67	523.67	523.67
15.250	523.67	523.67	523.67	523.67	523.67
15.500	523.67	523.67	523.67	523.67	523.67
15.750	523.67	523.67	523.67	523.67	523.67
16.000	523.67	523.67	523.67	523.67	523.67
16.250	523.67	523.67	523.67	523.67	523.67
16.500	523.67	523.67	523.67	523.67	523.67
16.750	523.67	523.67	523.67	523.67	523.67
17.000	523.67	523.67	523.67	523.67	523.67
17.250	523.67	523.67	523.67	523.67	523.67
17.500	523.67	523.67	523.67	523.67	523.67
17.750	523.67	523.67	523.67	523.67	523.67
18.000	523.66	523.66	523.66	523.66	523.66
18.250	523.66	523.66	523.66	523.66	523.66
18.500	523.66	523.66	523.66	523.66	523.66
18.750	523.66	523.66	523.66	523.66	523.66
19.000	523.66	523.66	523.66	523.66	523.66
19.250	523.66	523.66	523.66	523.66	523.66
19.500	523.66	523.66	523.66	523.66	523.66
19.750	523.66	523.66	523.66	523.66	523.66
20.000	523.66	523.66	523.66	523.66	523.66
20.250	523.66	523.66	523.66	523.66	523.66
20.500	523.66	523.66	523.66	523.66	523.66
20.750	523.66	523.66	523.66	523.66	523.66
21.000	523.66	523.66	523.66	523.66	523.66
21.250	523.66	523.66	523.66	523.66	523.66
21.500	523.66	523.66	523.66	523.66	523.66
21.750	523.66	523.66	523.66	523.66	523.66
22.000	523.66	523.66	523.66	523.66	523.66
22.250	523.66	523.66	523.66	523.66	523.66

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Tranch 5 (OUT)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.66	523.66	523.66	523.66	523.66
22.750	523.66	523.66	523.66	523.66	523.66
23.000	523.66	523.66	523.66	523.66	523.66
23.250	523.66	523.66	523.66	523.66	523.66
23.500	523.66	523.66	523.66	523.66	523.66
23.750	523.66	523.66	523.66	523.66	523.66
24.000	523.66	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Tranch 5 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.56	521.56	521.56	521.56	521.56
0.250	521.56	521.56	521.56	521.56	521.56
0.500	521.56	521.56	521.56	521.56	521.56
0.750	521.56	521.56	521.56	521.56	521.56
1.000	521.56	521.56	521.56	521.56	521.56
1.250	521.56	521.56	521.56	521.56	521.56
1.500	521.56	521.56	521.56	521.56	521.56
1.750	521.56	521.56	521.56	521.56	521.56
2.000	521.56	521.56	521.56	521.56	521.56
2.250	521.56	521.56	521.56	521.56	521.56
2.500	521.56	521.56	521.56	521.56	521.56
2.750	521.56	521.56	521.56	521.56	521.56
3.000	521.56	521.56	521.56	521.56	521.56
3.250	521.56	521.56	521.56	521.56	521.56
3.500	521.56	521.56	521.56	521.56	521.56
3.750	521.56	521.56	521.56	521.56	521.56
4.000	521.56	521.56	521.56	521.56	521.56
4.250	521.56	521.56	521.56	521.56	521.56
4.500	521.56	521.56	521.56	521.56	521.56
4.750	521.56	521.56	521.56	521.56	521.56
5.000	521.56	521.56	521.56	521.56	521.57
5.250	521.57	521.57	521.57	521.57	521.57
5.500	521.57	521.57	521.57	521.57	521.57
5.750	521.57	521.58	521.58	521.58	521.58
6.000	521.58	521.58	521.58	521.58	521.59
6.250	521.59	521.59	521.59	521.59	521.59
6.500	521.59	521.60	521.60	521.60	521.60
6.750	521.60	521.61	521.61	521.61	521.61
7.000	521.61	521.62	521.62	521.62	521.62
7.250	521.63	521.63	521.63	521.63	521.63
7.500	521.64	521.64	521.64	521.65	521.65
7.750	521.65	521.65	521.66	521.66	521.66
8.000	521.67	521.67	521.67	521.68	521.68
8.250	521.68	521.69	521.69	521.69	521.70
8.500	521.70	521.71	521.71	521.71	521.72
8.750	521.72	521.73	521.73	521.74	521.74
9.000	521.75	521.76	521.76	521.77	521.77
9.250	521.78	521.78	521.79	521.80	521.80
9.500	521.81	521.82	521.82	521.83	521.83
9.750	521.84	521.85	521.86	521.86	521.87
10.000	521.88	521.89	521.90	521.91	521.91
10.250	521.92	521.93	521.94	521.95	521.97
10.500	521.98	521.99	522.00	522.01	522.03
10.750	522.04	522.05	522.07	522.09	522.10
11.000	522.12	522.14	522.15	522.17	522.19

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Tranch 5 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	522.22	522.24	522.27	522.29	522.32
11.500	522.35	522.39	522.44	522.51	522.61
11.750	522.75	522.93	523.18	523.52	523.80
12.000	523.86	523.82	523.79	523.76	523.75
12.250	523.73	523.72	523.72	523.71	523.71
12.500	523.70	523.70	523.70	523.69	523.69
12.750	523.69	523.69	523.69	523.69	523.69
13.000	523.69	523.68	523.68	523.68	523.68
13.250	523.68	523.68	523.68	523.68	523.68
13.500	523.68	523.68	523.68	523.68	523.68
13.750	523.68	523.68	523.68	523.68	523.67
14.000	523.67	523.67	523.67	523.67	523.67
14.250	523.67	523.67	523.67	523.67	523.67
14.500	523.67	523.67	523.67	523.67	523.67
14.750	523.67	523.67	523.67	523.67	523.67
15.000	523.67	523.67	523.67	523.67	523.67
15.250	523.67	523.67	523.67	523.67	523.67
15.500	523.67	523.67	523.67	523.67	523.67
15.750	523.67	523.67	523.67	523.67	523.67
16.000	523.67	523.67	523.67	523.67	523.67
16.250	523.67	523.67	523.67	523.67	523.67
16.500	523.67	523.67	523.67	523.67	523.67
16.750	523.67	523.67	523.67	523.67	523.67
17.000	523.67	523.67	523.67	523.67	523.67
17.250	523.67	523.67	523.67	523.67	523.67
17.500	523.67	523.67	523.67	523.67	523.67
17.750	523.67	523.67	523.67	523.67	523.67
18.000	523.67	523.67	523.67	523.67	523.67
18.250	523.67	523.67	523.67	523.67	523.67
18.500	523.67	523.67	523.67	523.67	523.67
18.750	523.67	523.67	523.67	523.67	523.67
19.000	523.67	523.67	523.67	523.67	523.66
19.250	523.66	523.66	523.66	523.66	523.66
19.500	523.66	523.66	523.66	523.66	523.66
19.750	523.66	523.66	523.66	523.66	523.66
20.000	523.66	523.66	523.66	523.66	523.66
20.250	523.66	523.66	523.66	523.66	523.66
20.500	523.66	523.66	523.66	523.66	523.66
20.750	523.66	523.66	523.66	523.66	523.66
21.000	523.66	523.66	523.66	523.66	523.66
21.250	523.66	523.66	523.66	523.66	523.66
21.500	523.66	523.66	523.66	523.66	523.66
21.750	523.66	523.66	523.66	523.66	523.66
22.000	523.66	523.66	523.66	523.66	523.66
22.250	523.66	523.66	523.66	523.66	523.66

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Tranch 5 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.66	523.66	523.66	523.66	523.66
22.750	523.66	523.66	523.66	523.66	523.66
23.000	523.66	523.66	523.66	523.66	523.66
23.250	523.66	523.66	523.66	523.66	523.66
23.500	523.66	523.66	523.66	523.66	523.66
23.750	523.66	523.66	523.66	523.66	523.66
24.000	523.66	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 1 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.00	521.00	521.00	521.00	521.00
0.250	521.00	521.00	521.00	521.00	521.00
0.500	521.00	521.00	521.00	521.00	521.00
0.750	521.00	521.00	521.00	521.00	521.00
1.000	521.00	521.00	521.00	521.00	521.00
1.250	521.00	521.00	521.00	521.00	521.00
1.500	521.00	521.00	521.00	521.00	521.00
1.750	521.00	521.00	521.00	521.00	521.00
2.000	521.00	521.00	521.00	521.00	521.00
2.250	521.00	521.00	521.00	521.00	521.00
2.500	521.00	521.00	521.00	521.00	521.00
2.750	521.00	521.00	521.00	521.00	521.00
3.000	521.00	521.00	521.00	521.00	521.00
3.250	521.00	521.00	521.00	521.00	521.00
3.500	521.00	521.00	521.00	521.00	521.00
3.750	521.00	521.00	521.00	521.00	521.00
4.000	521.00	521.00	521.00	521.00	521.00
4.250	521.00	521.00	521.00	521.00	521.00
4.500	521.00	521.00	521.00	521.00	521.00
4.750	521.00	521.00	521.00	521.00	521.00
5.000	521.00	521.00	521.00	521.00	521.00
5.250	521.00	521.00	521.00	521.00	521.00
5.500	521.00	521.00	521.00	521.00	521.00
5.750	521.00	521.00	521.00	521.00	521.00
6.000	521.00	521.00	521.00	521.00	521.00
6.250	521.00	521.00	521.00	521.00	521.00
6.500	521.00	521.00	521.00	521.00	521.00
6.750	521.00	521.00	521.00	521.00	521.00
7.000	521.00	521.00	521.00	521.00	521.00
7.250	521.00	521.00	521.00	521.00	521.00
7.500	521.00	521.00	521.00	521.00	521.00
7.750	521.00	521.00	521.00	521.00	521.00
8.000	521.00	521.00	521.00	521.00	521.00
8.250	521.00	521.00	521.00	521.00	521.00
8.500	521.00	521.00	521.00	521.00	521.00
8.750	521.00	521.00	521.00	521.00	521.00
9.000	521.00	521.00	521.00	521.00	521.00
9.250	521.00	521.00	521.00	521.00	521.00
9.500	521.00	521.00	521.00	521.00	521.00
9.750	521.00	521.00	521.00	521.00	521.00
10.000	521.00	521.00	521.00	521.00	521.00
10.250	521.00	521.00	521.00	521.00	521.00
10.500	521.01	521.01	521.01	521.01	521.01
10.750	521.01	521.01	521.01	521.02	521.02
11.000	521.02	521.02	521.02	521.03	521.03

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 1 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.03	521.04	521.04	521.05	521.05
11.500	521.06	521.06	521.07	521.09	521.11
11.750	521.15	521.20	521.27	521.38	521.53
12.000	521.67	521.80	521.88	521.93	521.96
12.250	521.99	522.02	522.04	522.06	522.08
12.500	522.10	522.11	522.13	522.14	522.15
12.750	522.17	522.18	522.19	522.20	522.21
13.000	522.23	522.24	522.25	522.26	522.27
13.250	522.27	522.28	522.29	522.30	522.31
13.500	522.32	522.33	522.33	522.34	522.35
13.750	522.36	522.36	522.37	522.38	522.38
14.000	522.39	522.40	522.40	522.41	522.42
14.250	522.42	522.43	522.43	522.44	522.45
14.500	522.45	522.46	522.46	522.47	522.48
14.750	522.48	522.49	522.49	522.50	522.50
15.000	522.51	522.51	522.52	522.52	522.53
15.250	522.53	522.54	522.54	522.55	522.55
15.500	522.56	522.56	522.57	522.57	522.58
15.750	522.58	522.58	522.59	522.59	522.60
16.000	522.60	522.61	522.61	522.61	522.62
16.250	522.62	522.63	522.63	522.63	522.64
16.500	522.64	522.64	522.65	522.65	522.66
16.750	522.66	522.66	522.67	522.67	522.67
17.000	522.68	522.68	522.69	522.69	522.69
17.250	522.70	522.70	522.70	522.71	522.71
17.500	522.71	522.72	522.72	522.72	522.73
17.750	522.73	522.73	522.74	522.74	522.74
18.000	522.75	522.75	522.75	522.76	522.76
18.250	522.76	522.77	522.77	522.77	522.78
18.500	522.78	522.78	522.79	522.79	522.79
18.750	522.79	522.80	522.80	522.80	522.81
19.000	522.81	522.81	522.81	522.82	522.82
19.250	522.82	522.82	522.83	522.83	522.83
19.500	522.84	522.84	522.84	522.84	522.85
19.750	522.85	522.85	522.85	522.86	522.86
20.000	522.86	522.86	522.87	522.87	522.87
20.250	522.87	522.87	522.88	522.88	522.88
20.500	522.88	522.89	522.89	522.89	522.89
20.750	522.90	522.90	522.90	522.90	522.90
21.000	522.91	522.91	522.91	522.91	522.92
21.250	522.92	522.92	522.92	522.93	522.93
21.500	522.93	522.93	522.93	522.94	522.94
21.750	522.94	522.94	522.95	522.95	522.95
22.000	522.95	522.95	522.96	522.96	522.96
22.250	522.96	522.97	522.97	522.97	522.97

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 1 (OUT)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	522.97	522.98	522.98	522.98	522.98
22.750	522.98	522.99	522.99	522.99	522.99
23.000	523.00	523.00	523.00	523.00	523.00
23.250	523.01	523.01	523.01	523.01	523.01
23.500	523.02	523.02	523.02	523.02	523.02
23.750	523.03	523.03	523.03	523.03	523.03
24.000	523.04	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 1 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.00	521.00	521.00	521.00	521.00
0.250	521.00	521.00	521.00	521.00	521.00
0.500	521.00	521.00	521.00	521.00	521.00
0.750	521.00	521.00	521.00	521.00	521.00
1.000	521.00	521.00	521.00	521.00	521.00
1.250	521.00	521.00	521.00	521.00	521.00
1.500	521.00	521.00	521.00	521.00	521.00
1.750	521.00	521.00	521.00	521.00	521.00
2.000	521.00	521.00	521.00	521.00	521.00
2.250	521.00	521.00	521.00	521.00	521.00
2.500	521.00	521.00	521.00	521.00	521.00
2.750	521.00	521.00	521.00	521.00	521.00
3.000	521.00	521.00	521.00	521.00	521.00
3.250	521.00	521.00	521.00	521.00	521.00
3.500	521.00	521.00	521.00	521.00	521.00
3.750	521.00	521.00	521.00	521.00	521.00
4.000	521.00	521.00	521.00	521.00	521.00
4.250	521.00	521.00	521.00	521.00	521.00
4.500	521.00	521.00	521.00	521.00	521.00
4.750	521.00	521.00	521.00	521.00	521.00
5.000	521.00	521.00	521.00	521.00	521.00
5.250	521.00	521.00	521.00	521.00	521.00
5.500	521.00	521.00	521.00	521.00	521.00
5.750	521.00	521.00	521.00	521.00	521.00
6.000	521.00	521.00	521.00	521.00	521.00
6.250	521.00	521.00	521.00	521.00	521.00
6.500	521.00	521.00	521.00	521.00	521.00
6.750	521.00	521.00	521.00	521.00	521.00
7.000	521.00	521.00	521.00	521.00	521.00
7.250	521.00	521.00	521.00	521.00	521.00
7.500	521.00	521.00	521.00	521.00	521.00
7.750	521.00	521.00	521.00	521.00	521.00
8.000	521.00	521.00	521.00	521.00	521.00
8.250	521.00	521.00	521.00	521.00	521.00
8.500	521.00	521.00	521.00	521.00	521.00
8.750	521.00	521.00	521.00	521.00	521.00
9.000	521.00	521.00	521.00	521.00	521.00
9.250	521.00	521.00	521.00	521.00	521.00
9.500	521.00	521.00	521.00	521.00	521.01
9.750	521.01	521.01	521.01	521.01	521.01
10.000	521.01	521.01	521.01	521.01	521.02
10.250	521.02	521.02	521.02	521.02	521.02
10.500	521.03	521.03	521.03	521.03	521.04
10.750	521.04	521.04	521.05	521.05	521.05
11.000	521.06	521.06	521.07	521.07	521.08

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 1 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.08	521.09	521.10	521.11	521.12
11.500	521.12	521.14	521.15	521.18	521.21
11.750	521.27	521.34	521.45	521.61	521.81
12.000	522.01	522.18	522.30	522.36	522.40
12.250	522.44	522.47	522.50	522.53	522.56
12.500	522.58	522.60	522.62	522.64	522.66
12.750	522.67	522.69	522.71	522.72	522.74
13.000	522.75	522.76	522.78	522.79	522.80
13.250	522.81	522.83	522.84	522.85	522.86
13.500	522.87	522.88	522.89	522.90	522.91
13.750	522.92	522.93	522.94	522.95	522.96
14.000	522.97	522.98	522.98	522.99	523.00
14.250	523.01	523.02	523.02	523.03	523.04
14.500	523.05	523.05	523.06	523.07	523.08
14.750	523.08	523.09	523.10	523.11	523.11
15.000	523.12	523.13	523.13	523.14	523.15
15.250	523.15	523.16	523.17	523.17	523.18
15.500	523.18	523.19	523.20	523.20	523.21
15.750	523.21	523.22	523.22	523.23	523.24
16.000	523.24	523.25	523.25	523.26	523.26
16.250	523.27	523.27	523.28	523.28	523.29
16.500	523.29	523.30	523.30	523.31	523.31
16.750	523.32	523.32	523.33	523.33	523.34
17.000	523.34	523.35	523.35	523.36	523.36
17.250	523.36	523.37	523.37	523.38	523.38
17.500	523.39	523.39	523.40	523.40	523.40
17.750	523.41	523.41	523.42	523.42	523.43
18.000	523.43	523.43	523.44	523.44	523.45
18.250	523.45	523.46	523.46	523.46	523.47
18.500	523.47	523.47	523.48	523.48	523.49
18.750	523.49	523.49	523.50	523.50	523.51
19.000	523.51	523.51	523.52	523.52	523.52
19.250	523.53	523.53	523.53	523.54	523.54
19.500	523.54	523.55	523.55	523.55	523.56
19.750	523.56	523.56	523.57	523.57	523.57
20.000	523.58	523.58	523.58	523.59	523.59
20.250	523.59	523.59	523.60	523.60	523.60
20.500	523.61	523.61	523.61	523.62	523.62
20.750	523.62	523.62	523.63	523.63	523.63
21.000	523.64	523.64	523.64	523.64	523.65
21.250	523.65	523.65	523.66	523.66	523.66
21.500	523.67	523.67	523.67	523.67	523.68
21.750	523.68	523.68	523.69	523.69	523.69
22.000	523.69	523.70	523.70	523.70	523.70
22.250	523.71	523.71	523.71	523.72	523.72

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 1 (OUT)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.72	523.72	523.73	523.73	523.73
22.750	523.74	523.74	523.74	523.74	523.75
23.000	523.75	523.75	523.75	523.76	523.76
23.250	523.76	523.77	523.77	523.77	523.77
23.500	523.78	523.78	523.78	523.78	523.79
23.750	523.79	523.79	523.79	523.80	523.80
24.000	523.80	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 1 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.00	520.00	520.00	520.00	520.00
0.250	520.00	520.00	520.00	520.00	520.00
0.500	520.00	520.00	520.00	520.00	520.00
0.750	520.00	520.00	520.00	520.00	520.00
1.000	520.00	520.00	520.00	520.00	520.00
1.250	520.00	520.00	520.00	520.00	520.00
1.500	520.00	520.00	520.00	520.00	520.00
1.750	520.00	520.00	520.00	520.00	520.00
2.000	520.00	520.00	520.00	520.00	520.00
2.250	520.00	520.00	520.00	520.00	520.00
2.500	520.00	520.00	520.00	520.00	520.00
2.750	520.00	520.00	520.00	520.00	520.00
3.000	520.00	520.00	520.00	520.00	520.00
3.250	520.00	520.00	520.00	520.00	520.00
3.500	520.00	520.00	520.00	520.00	520.00
3.750	520.00	520.00	520.00	520.00	520.00
4.000	520.00	520.00	520.00	520.00	520.00
4.250	520.00	520.00	520.00	520.00	520.00
4.500	520.00	520.00	520.00	520.00	520.00
4.750	520.00	520.00	520.00	520.00	520.00
5.000	520.00	520.00	520.00	520.00	520.00
5.250	520.00	520.00	520.00	520.00	520.00
5.500	520.00	520.00	520.00	520.00	520.00
5.750	520.00	520.00	520.00	520.00	520.00
6.000	520.00	520.00	520.00	520.00	520.00
6.250	520.00	520.00	520.00	520.00	520.00
6.500	520.00	520.00	520.00	520.00	520.00
6.750	520.00	520.00	520.00	520.00	520.00
7.000	520.00	520.00	520.00	520.00	520.00
7.250	520.00	520.00	520.00	520.00	520.00
7.500	520.00	520.00	520.00	520.00	520.00
7.750	520.00	520.00	520.00	520.00	520.00
8.000	520.00	520.00	520.00	520.00	520.00
8.250	520.00	520.00	520.00	520.00	520.00
8.500	520.00	520.00	520.00	520.01	520.01
8.750	520.01	520.01	520.01	520.01	520.01
9.000	520.01	520.01	520.01	520.02	520.02
9.250	520.02	520.02	520.02	520.02	520.02
9.500	520.03	520.03	520.03	520.03	520.03
9.750	520.04	520.04	520.04	520.04	520.05
10.000	520.05	520.05	520.05	520.06	520.06
10.250	520.06	520.07	520.07	520.08	520.08
10.500	520.08	520.09	520.09	520.10	520.11
10.750	520.11	520.12	520.12	520.13	520.14
11.000	520.15	520.15	520.16	520.17	520.18

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 1 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.19	520.20	520.22	520.23	520.25
11.500	520.26	520.28	520.31	520.35	520.41
11.750	520.49	520.61	520.77	521.00	521.29
12.000	521.57	521.81	521.97	522.06	522.12
12.250	522.17	522.22	522.26	522.30	522.33
12.500	522.36	522.39	522.42	522.44	522.47
12.750	522.49	522.51	522.53	522.56	522.58
13.000	522.59	522.61	522.63	522.65	522.67
13.250	522.68	522.70	522.72	522.73	522.75
13.500	522.76	522.77	522.79	522.80	522.82
13.750	522.83	522.84	522.85	522.87	522.88
14.000	522.89	522.90	522.91	522.92	522.93
14.250	522.94	522.96	522.97	522.98	522.99
14.500	523.00	523.01	523.02	523.03	523.04
14.750	523.05	523.06	523.07	523.08	523.08
15.000	523.09	523.10	523.11	523.12	523.13
15.250	523.14	523.15	523.16	523.16	523.17
15.500	523.18	523.19	523.20	523.21	523.21
15.750	523.22	523.23	523.24	523.24	523.25
16.000	523.26	523.26	523.27	523.28	523.29
16.250	523.29	523.30	523.31	523.31	523.32
16.500	523.33	523.33	523.34	523.35	523.35
16.750	523.36	523.37	523.37	523.38	523.39
17.000	523.39	523.40	523.40	523.41	523.42
17.250	523.42	523.43	523.44	523.44	523.45
17.500	523.45	523.46	523.47	523.47	523.48
17.750	523.48	523.49	523.49	523.50	523.51
18.000	523.51	523.52	523.52	523.53	523.53
18.250	523.54	523.54	523.55	523.55	523.56
18.500	523.57	523.57	523.58	523.58	523.59
18.750	523.59	523.60	523.60	523.61	523.61
19.000	523.62	523.62	523.63	523.63	523.63
19.250	523.64	523.64	523.65	523.65	523.66
19.500	523.66	523.67	523.67	523.68	523.68
19.750	523.68	523.69	523.69	523.70	523.70
20.000	523.71	523.71	523.71	523.72	523.72
20.250	523.73	523.73	523.73	523.74	523.74
20.500	523.75	523.75	523.75	523.76	523.76
20.750	523.77	523.77	523.77	523.78	523.78
21.000	523.79	523.79	523.79	523.80	523.80
21.250	523.80	523.80	523.80	523.80	523.80
21.500	523.80	523.80	523.80	523.80	523.80
21.750	523.80	523.80	523.80	523.80	523.80
22.000	523.80	523.80	523.80	523.80	523.80
22.250	523.80	523.80	523.80	523.80	523.80

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 1 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.80	523.80	523.80	523.80	523.80
22.750	523.80	523.80	523.80	523.80	523.80
23.000	523.80	523.80	523.80	523.80	523.80
23.250	523.80	523.80	523.80	523.80	523.80
23.500	523.80	523.80	523.80	523.80	523.80
23.750	523.80	523.80	523.80	523.80	523.80
24.000	523.80	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 1 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.00	520.00	520.00	520.00	520.00
0.250	520.00	520.00	520.00	520.00	520.00
0.500	520.00	520.00	520.00	520.00	520.00
0.750	520.00	520.00	520.00	520.00	520.00
1.000	520.00	520.00	520.00	520.00	520.00
1.250	520.00	520.00	520.00	520.00	520.00
1.500	520.00	520.00	520.00	520.00	520.00
1.750	520.00	520.00	520.00	520.00	520.00
2.000	520.00	520.00	520.00	520.00	520.00
2.250	520.00	520.00	520.00	520.00	520.00
2.500	520.00	520.00	520.00	520.00	520.00
2.750	520.00	520.00	520.00	520.00	520.00
3.000	520.00	520.00	520.00	520.00	520.00
3.250	520.00	520.00	520.00	520.00	520.00
3.500	520.00	520.00	520.00	520.00	520.00
3.750	520.00	520.00	520.00	520.00	520.00
4.000	520.00	520.00	520.00	520.00	520.00
4.250	520.00	520.00	520.00	520.00	520.00
4.500	520.00	520.00	520.00	520.00	520.00
4.750	520.00	520.00	520.00	520.00	520.00
5.000	520.00	520.00	520.00	520.00	520.00
5.250	520.00	520.00	520.00	520.00	520.00
5.500	520.00	520.00	520.00	520.00	520.00
5.750	520.00	520.00	520.00	520.00	520.00
6.000	520.00	520.00	520.00	520.00	520.00
6.250	520.00	520.00	520.00	520.00	520.00
6.500	520.00	520.00	520.00	520.00	520.00
6.750	520.00	520.00	520.00	520.00	520.00
7.000	520.00	520.00	520.00	520.00	520.00
7.250	520.00	520.00	520.00	520.00	520.00
7.500	520.00	520.00	520.00	520.00	520.00
7.750	520.00	520.01	520.01	520.01	520.01
8.000	520.01	520.01	520.01	520.01	520.01
8.250	520.01	520.01	520.01	520.02	520.02
8.500	520.02	520.02	520.02	520.02	520.03
8.750	520.03	520.03	520.03	520.03	520.03
9.000	520.04	520.04	520.04	520.04	520.05
9.250	520.05	520.05	520.06	520.06	520.06
9.500	520.06	520.07	520.07	520.07	520.08
9.750	520.08	520.08	520.09	520.09	520.10
10.000	520.10	520.11	520.11	520.12	520.12
10.250	520.13	520.13	520.14	520.14	520.15
10.500	520.16	520.16	520.17	520.18	520.19
10.750	520.20	520.21	520.22	520.23	520.24
11.000	520.25	520.26	520.27	520.29	520.30

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 1 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.32	520.33	520.35	520.37	520.39
11.500	520.41	520.44	520.48	520.53	520.61
11.750	520.72	520.87	521.09	521.39	521.75
12.000	522.11	522.42	522.62	522.73	522.80
12.250	522.87	522.92	522.97	523.02	523.06
12.500	523.10	523.14	523.17	523.20	523.23
12.750	523.26	523.29	523.31	523.34	523.36
13.000	523.39	523.41	523.43	523.45	523.47
13.250	523.50	523.52	523.53	523.55	523.57
13.500	523.59	523.61	523.63	523.64	523.66
13.750	523.67	523.69	523.71	523.72	523.74
14.000	523.75	523.76	523.78	523.79	523.80
14.250	523.81	523.81	523.81	523.81	523.81
14.500	523.81	523.81	523.81	523.81	523.81
14.750	523.81	523.81	523.81	523.81	523.81
15.000	523.81	523.81	523.81	523.81	523.81
15.250	523.81	523.81	523.81	523.81	523.81
15.500	523.81	523.81	523.81	523.81	523.81
15.750	523.81	523.81	523.81	523.81	523.81
16.000	523.81	523.81	523.81	523.81	523.81
16.250	523.81	523.81	523.81	523.80	523.80
16.500	523.80	523.80	523.80	523.80	523.80
16.750	523.80	523.80	523.80	523.80	523.80
17.000	523.80	523.80	523.80	523.80	523.80
17.250	523.80	523.80	523.80	523.80	523.80
17.500	523.80	523.80	523.80	523.80	523.80
17.750	523.80	523.80	523.80	523.80	523.80
18.000	523.80	523.80	523.80	523.80	523.80
18.250	523.80	523.80	523.80	523.80	523.80
18.500	523.80	523.80	523.80	523.80	523.80
18.750	523.80	523.80	523.80	523.80	523.80
19.000	523.80	523.80	523.80	523.80	523.80
19.250	523.80	523.80	523.80	523.80	523.80
19.500	523.80	523.80	523.80	523.80	523.80
19.750	523.80	523.80	523.80	523.80	523.80
20.000	523.80	523.80	523.80	523.80	523.80
20.250	523.80	523.80	523.80	523.80	523.80
20.500	523.80	523.80	523.80	523.80	523.80
20.750	523.80	523.80	523.80	523.80	523.80
21.000	523.80	523.80	523.80	523.80	523.80
21.250	523.80	523.80	523.80	523.80	523.80
21.500	523.80	523.80	523.80	523.80	523.80
21.750	523.80	523.80	523.80	523.80	523.80
22.000	523.80	523.80	523.80	523.80	523.80
22.250	523.80	523.80	523.80	523.80	523.80

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 1 (OUT)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.80	523.80	523.80	523.80	523.80
22.750	523.80	523.80	523.80	523.80	523.80
23.000	523.80	523.80	523.80	523.80	523.80
23.250	523.80	523.80	523.80	523.80	523.80
23.500	523.80	523.80	523.80	523.80	523.80
23.750	523.80	523.80	523.80	523.80	523.80
24.000	523.80	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 1 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.00	520.00	520.00	520.00	520.00
0.250	520.00	520.00	520.00	520.00	520.00
0.500	520.00	520.00	520.00	520.00	520.00
0.750	520.00	520.00	520.00	520.00	520.00
1.000	520.00	520.00	520.00	520.00	520.00
1.250	520.00	520.00	520.00	520.00	520.00
1.500	520.00	520.00	520.00	520.00	520.00
1.750	520.00	520.00	520.00	520.00	520.00
2.000	520.00	520.00	520.00	520.00	520.00
2.250	520.00	520.00	520.00	520.00	520.00
2.500	520.00	520.00	520.00	520.00	520.00
2.750	520.00	520.00	520.00	520.00	520.00
3.000	520.00	520.00	520.00	520.00	520.00
3.250	520.00	520.00	520.00	520.00	520.00
3.500	520.00	520.00	520.00	520.00	520.00
3.750	520.00	520.00	520.00	520.00	520.00
4.000	520.00	520.00	520.00	520.00	520.00
4.250	520.00	520.00	520.00	520.00	520.00
4.500	520.00	520.00	520.00	520.00	520.00
4.750	520.00	520.00	520.00	520.00	520.00
5.000	520.00	520.00	520.00	520.00	520.00
5.250	520.00	520.00	520.00	520.00	520.00
5.500	520.00	520.00	520.00	520.00	520.00
5.750	520.00	520.00	520.00	520.00	520.00
6.000	520.00	520.00	520.00	520.00	520.00
6.250	520.00	520.00	520.00	520.00	520.00
6.500	520.00	520.00	520.00	520.00	520.00
6.750	520.00	520.01	520.01	520.01	520.01
7.000	520.01	520.01	520.01	520.01	520.01
7.250	520.01	520.02	520.02	520.02	520.02
7.500	520.02	520.02	520.02	520.03	520.03
7.750	520.03	520.03	520.03	520.03	520.04
8.000	520.04	520.04	520.04	520.04	520.05
8.250	520.05	520.05	520.05	520.06	520.06
8.500	520.06	520.07	520.07	520.07	520.08
8.750	520.08	520.08	520.09	520.09	520.10
9.000	520.10	520.10	520.11	520.11	520.12
9.250	520.12	520.13	520.13	520.14	520.14
9.500	520.15	520.16	520.16	520.17	520.17
9.750	520.18	520.18	520.19	520.20	520.21
10.000	520.21	520.22	520.23	520.24	520.24
10.250	520.25	520.26	520.27	520.28	520.29
10.500	520.30	520.32	520.33	520.34	520.35
10.750	520.37	520.38	520.40	520.41	520.43
11.000	520.45	520.46	520.48	520.50	520.52

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 1 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.55	520.57	520.60	520.63	520.66
11.500	520.69	520.73	520.78	520.86	520.97
11.750	521.13	521.34	521.64	522.05	522.54
12.000	523.01	523.41	523.68	523.81	523.86
12.250	523.85	523.85	523.84	523.84	523.84
12.500	523.83	523.83	523.83	523.82	523.82
12.750	523.82	523.82	523.82	523.82	523.82
13.000	523.82	523.82	523.82	523.82	523.82
13.250	523.82	523.82	523.82	523.82	523.81
13.500	523.81	523.81	523.81	523.81	523.81
13.750	523.81	523.81	523.81	523.81	523.81
14.000	523.81	523.81	523.81	523.81	523.81
14.250	523.81	523.81	523.81	523.81	523.81
14.500	523.81	523.81	523.81	523.81	523.81
14.750	523.81	523.81	523.81	523.81	523.81
15.000	523.81	523.81	523.81	523.81	523.81
15.250	523.81	523.81	523.81	523.81	523.81
15.500	523.81	523.81	523.81	523.81	523.81
15.750	523.81	523.81	523.81	523.81	523.81
16.000	523.81	523.81	523.81	523.81	523.81
16.250	523.81	523.81	523.81	523.81	523.81
16.500	523.81	523.81	523.81	523.81	523.81
16.750	523.81	523.81	523.81	523.81	523.81
17.000	523.81	523.81	523.81	523.81	523.81
17.250	523.81	523.81	523.81	523.81	523.81
17.500	523.81	523.81	523.81	523.81	523.81
17.750	523.81	523.81	523.81	523.81	523.81
18.000	523.81	523.81	523.81	523.81	523.81
18.250	523.81	523.81	523.81	523.80	523.80
18.500	523.80	523.80	523.80	523.80	523.80
18.750	523.80	523.80	523.80	523.80	523.80
19.000	523.80	523.80	523.80	523.80	523.80
19.250	523.80	523.80	523.80	523.80	523.80
19.500	523.80	523.80	523.80	523.80	523.80
19.750	523.80	523.80	523.80	523.80	523.80
20.000	523.80	523.80	523.80	523.80	523.80
20.250	523.80	523.80	523.80	523.80	523.80
20.500	523.80	523.80	523.80	523.80	523.80
20.750	523.80	523.80	523.80	523.80	523.80
21.000	523.80	523.80	523.80	523.80	523.80
21.250	523.80	523.80	523.80	523.80	523.80
21.500	523.80	523.80	523.80	523.80	523.80
21.750	523.80	523.80	523.80	523.80	523.80
22.000	523.80	523.80	523.80	523.80	523.80
22.250	523.80	523.80	523.80	523.80	523.80

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 1 (OUT)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.80	523.80	523.80	523.80	523.80
22.750	523.80	523.80	523.80	523.80	523.80
23.000	523.80	523.80	523.80	523.80	523.80
23.250	523.80	523.80	523.80	523.80	523.80
23.500	523.80	523.80	523.80	523.80	523.80
23.750	523.80	523.80	523.80	523.80	523.80
24.000	523.80	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 1 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.00	521.00	521.00	521.00	521.00
0.250	521.00	521.00	521.00	521.00	521.00
0.500	521.00	521.00	521.00	521.00	521.00
0.750	521.00	521.00	521.00	521.00	521.00
1.000	521.00	521.00	521.00	521.00	521.00
1.250	521.00	521.00	521.00	521.00	521.00
1.500	521.00	521.00	521.00	521.00	521.00
1.750	521.00	521.00	521.00	521.00	521.00
2.000	521.00	521.00	521.00	521.00	521.00
2.250	521.00	521.00	521.00	521.00	521.00
2.500	521.00	521.00	521.00	521.00	521.00
2.750	521.00	521.00	521.00	521.00	521.00
3.000	521.00	521.00	521.00	521.00	521.00
3.250	521.00	521.00	521.00	521.00	521.00
3.500	521.00	521.00	521.00	521.00	521.00
3.750	521.00	521.00	521.00	521.00	521.00
4.000	521.00	521.00	521.00	521.00	521.00
4.250	521.00	521.00	521.00	521.00	521.00
4.500	521.00	521.00	521.00	521.00	521.00
4.750	521.00	521.00	521.00	521.00	521.00
5.000	521.00	521.00	521.00	521.00	521.00
5.250	521.00	521.00	521.00	521.00	521.00
5.500	521.00	521.00	521.00	521.00	521.00
5.750	521.00	521.00	521.00	521.00	521.00
6.000	521.00	521.01	521.01	521.01	521.01
6.250	521.01	521.01	521.01	521.01	521.01
6.500	521.01	521.02	521.02	521.02	521.02
6.750	521.02	521.02	521.03	521.03	521.03
7.000	521.03	521.03	521.04	521.04	521.04
7.250	521.04	521.04	521.05	521.05	521.05
7.500	521.05	521.06	521.06	521.06	521.07
7.750	521.07	521.07	521.07	521.08	521.08
8.000	521.08	521.09	521.09	521.09	521.10
8.250	521.10	521.11	521.11	521.11	521.12
8.500	521.12	521.13	521.13	521.14	521.14
8.750	521.15	521.16	521.16	521.17	521.17
9.000	521.18	521.19	521.19	521.20	521.21
9.250	521.22	521.22	521.23	521.24	521.25
9.500	521.25	521.26	521.27	521.28	521.29
9.750	521.29	521.30	521.31	521.32	521.33
10.000	521.34	521.35	521.37	521.38	521.39
10.250	521.40	521.41	521.43	521.44	521.46
10.500	521.47	521.49	521.50	521.52	521.54
10.750	521.56	521.57	521.60	521.62	521.64
11.000	521.66	521.69	521.71	521.74	521.77

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 1 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.80	521.83	521.87	521.90	521.94
11.500	521.99	522.04	522.11	522.21	522.35
11.750	522.55	522.82	523.19	523.70	523.98
12.000	523.96	523.95	523.91	523.89	523.88
12.250	523.86	523.86	523.85	523.85	523.84
12.500	523.84	523.84	523.83	523.83	523.83
12.750	523.83	523.83	523.83	523.83	523.82
13.000	523.82	523.82	523.82	523.82	523.82
13.250	523.82	523.82	523.82	523.82	523.82
13.500	523.82	523.82	523.82	523.82	523.82
13.750	523.82	523.82	523.81	523.81	523.81
14.000	523.81	523.81	523.81	523.81	523.81
14.250	523.81	523.81	523.81	523.81	523.81
14.500	523.81	523.81	523.81	523.81	523.81
14.750	523.81	523.81	523.81	523.81	523.81
15.000	523.81	523.81	523.81	523.81	523.81
15.250	523.81	523.81	523.81	523.81	523.81
15.500	523.81	523.81	523.81	523.81	523.81
15.750	523.81	523.81	523.81	523.81	523.81
16.000	523.81	523.81	523.81	523.81	523.81
16.250	523.81	523.81	523.81	523.81	523.81
16.500	523.81	523.81	523.81	523.81	523.81
16.750	523.81	523.81	523.81	523.81	523.81
17.000	523.81	523.81	523.81	523.81	523.81
17.250	523.81	523.81	523.81	523.81	523.81
17.500	523.81	523.81	523.81	523.81	523.81
17.750	523.81	523.81	523.81	523.81	523.81
18.000	523.81	523.81	523.81	523.81	523.81
18.250	523.81	523.81	523.81	523.81	523.81
18.500	523.81	523.81	523.81	523.81	523.81
18.750	523.81	523.81	523.81	523.81	523.81
19.000	523.81	523.81	523.81	523.81	523.81
19.250	523.81	523.81	523.81	523.81	523.81
19.500	523.81	523.81	523.80	523.80	523.80
19.750	523.80	523.80	523.80	523.80	523.80
20.000	523.80	523.80	523.80	523.80	523.80
20.250	523.80	523.80	523.80	523.80	523.80
20.500	523.80	523.80	523.80	523.80	523.80
20.750	523.80	523.80	523.80	523.80	523.80
21.000	523.80	523.80	523.80	523.80	523.80
21.250	523.80	523.80	523.80	523.80	523.80
21.500	523.80	523.80	523.80	523.80	523.80
21.750	523.80	523.80	523.80	523.80	523.80
22.000	523.80	523.80	523.80	523.80	523.80
22.250	523.80	523.80	523.80	523.80	523.80

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 1 (OUT)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.80	523.80	523.80	523.80	523.80
22.750	523.80	523.80	523.80	523.80	523.80
23.000	523.80	523.80	523.80	523.80	523.80
23.250	523.80	523.80	523.80	523.80	523.80
23.500	523.80	523.80	523.80	523.80	523.80
23.750	523.80	523.80	523.80	523.80	523.80
24.000	523.80	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 1 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.00	521.00	521.00	521.00	521.00
0.250	521.00	521.00	521.00	521.00	521.00
0.500	521.00	521.00	521.00	521.00	521.00
0.750	521.00	521.00	521.00	521.00	521.00
1.000	521.00	521.00	521.00	521.00	521.00
1.250	521.00	521.00	521.00	521.00	521.00
1.500	521.00	521.00	521.00	521.00	521.00
1.750	521.00	521.00	521.00	521.00	521.00
2.000	521.00	521.00	521.00	521.00	521.00
2.250	521.00	521.00	521.00	521.00	521.00
2.500	521.00	521.00	521.00	521.00	521.00
2.750	521.00	521.00	521.00	521.00	521.00
3.000	521.00	521.00	521.00	521.00	521.00
3.250	521.00	521.00	521.00	521.00	521.00
3.500	521.00	521.00	521.00	521.00	521.00
3.750	521.00	521.00	521.00	521.00	521.00
4.000	521.00	521.00	521.00	521.00	521.00
4.250	521.00	521.00	521.00	521.00	521.00
4.500	521.00	521.00	521.00	521.00	521.00
4.750	521.00	521.00	521.00	521.00	521.00
5.000	521.00	521.00	521.00	521.00	521.00
5.250	521.00	521.00	521.01	521.01	521.01
5.500	521.01	521.01	521.01	521.01	521.01
5.750	521.01	521.02	521.02	521.02	521.02
6.000	521.02	521.02	521.03	521.03	521.03
6.250	521.03	521.03	521.04	521.04	521.04
6.500	521.04	521.05	521.05	521.05	521.05
6.750	521.06	521.06	521.06	521.07	521.07
7.000	521.07	521.08	521.08	521.08	521.09
7.250	521.09	521.09	521.10	521.10	521.11
7.500	521.11	521.11	521.12	521.12	521.13
7.750	521.13	521.14	521.14	521.15	521.15
8.000	521.16	521.16	521.17	521.17	521.18
8.250	521.19	521.19	521.20	521.20	521.21
8.500	521.22	521.22	521.23	521.24	521.25
8.750	521.26	521.26	521.27	521.28	521.29
9.000	521.30	521.31	521.32	521.33	521.34
9.250	521.35	521.36	521.37	521.38	521.39
9.500	521.40	521.41	521.42	521.44	521.45
9.750	521.46	521.47	521.48	521.50	521.51
10.000	521.53	521.54	521.56	521.57	521.59
10.250	521.60	521.62	521.64	521.66	521.68
10.500	521.70	521.72	521.74	521.76	521.79
10.750	521.81	521.84	521.86	521.89	521.92
11.000	521.95	521.98	522.02	522.05	522.09

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 1 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	522.13	522.17	522.22	522.27	522.32
11.500	522.37	522.44	522.53	522.65	522.84
11.750	523.10	523.44	523.85	524.00	524.00
12.000	524.00	524.00	523.99	523.81	523.88
12.250	523.88	523.87	523.86	523.86	523.85
12.500	523.85	523.84	523.84	523.84	523.83
12.750	523.83	523.83	523.83	523.83	523.83
13.000	523.83	523.83	523.83	523.83	523.82
13.250	523.82	523.82	523.82	523.82	523.82
13.500	523.82	523.82	523.82	523.82	523.82
13.750	523.82	523.82	523.82	523.82	523.82
14.000	523.82	523.82	523.82	523.82	523.82
14.250	523.82	523.82	523.81	523.81	523.81
14.500	523.81	523.81	523.81	523.81	523.81
14.750	523.81	523.81	523.81	523.81	523.81
15.000	523.81	523.81	523.81	523.81	523.81
15.250	523.81	523.81	523.81	523.81	523.81
15.500	523.81	523.81	523.81	523.81	523.81
15.750	523.81	523.81	523.81	523.81	523.81
16.000	523.81	523.81	523.81	523.81	523.81
16.250	523.81	523.81	523.81	523.81	523.81
16.500	523.81	523.81	523.81	523.81	523.81
16.750	523.81	523.81	523.81	523.81	523.81
17.000	523.81	523.81	523.81	523.81	523.81
17.250	523.81	523.81	523.81	523.81	523.81
17.500	523.81	523.81	523.81	523.81	523.81
17.750	523.81	523.81	523.81	523.81	523.81
18.000	523.81	523.81	523.81	523.81	523.81
18.250	523.81	523.81	523.81	523.81	523.81
18.500	523.81	523.81	523.81	523.81	523.81
18.750	523.81	523.81	523.81	523.81	523.81
19.000	523.81	523.81	523.81	523.81	523.81
19.250	523.81	523.81	523.81	523.81	523.81
19.500	523.81	523.81	523.81	523.81	523.81
19.750	523.81	523.81	523.81	523.81	523.81
20.000	523.81	523.81	523.81	523.81	523.81
20.250	523.81	523.81	523.81	523.81	523.81
20.500	523.81	523.81	523.81	523.81	523.81
20.750	523.81	523.81	523.81	523.81	523.81
21.000	523.81	523.81	523.81	523.81	523.81
21.250	523.81	523.81	523.81	523.81	523.81
21.500	523.81	523.81	523.81	523.81	523.81
21.750	523.81	523.81	523.81	523.81	523.81
22.000	523.81	523.81	523.81	523.80	523.80
22.250	523.80	523.80	523.80	523.80	523.80

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 1 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.80	523.80	523.80	523.80	523.80
22.750	523.80	523.80	523.80	523.80	523.80
23.000	523.80	523.80	523.80	523.80	523.80
23.250	523.80	523.80	523.80	523.80	523.80
23.500	523.80	523.80	523.80	523.80	523.80
23.750	523.80	523.80	523.80	523.80	523.80
24.000	523.80	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 2 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	517.53	517.53	517.53	517.53	517.53
0.250	517.53	517.53	517.53	517.53	517.53
0.500	517.53	517.53	517.53	517.53	517.53
0.750	517.53	517.53	517.53	517.53	517.53
1.000	517.53	517.53	517.53	517.53	517.53
1.250	517.53	517.53	517.53	517.53	517.53
1.500	517.53	517.53	517.53	517.53	517.53
1.750	517.53	517.53	517.53	517.53	517.53
2.000	517.53	517.53	517.53	517.53	517.53
2.250	517.53	517.53	517.53	517.53	517.53
2.500	517.53	517.53	517.53	517.53	517.53
2.750	517.53	517.53	517.53	517.53	517.53
3.000	517.53	517.53	517.53	517.53	517.53
3.250	517.53	517.53	517.53	517.53	517.53
3.500	517.53	517.53	517.53	517.53	517.53
3.750	517.53	517.53	517.53	517.53	517.53
4.000	517.53	517.53	517.53	517.53	517.53
4.250	517.53	517.53	517.53	517.53	517.53
4.500	517.53	517.53	517.53	517.53	517.53
4.750	517.53	517.53	517.53	517.53	517.53
5.000	517.53	517.53	517.53	517.53	517.53
5.250	517.53	517.53	517.53	517.53	517.53
5.500	517.53	517.53	517.53	517.53	517.53
5.750	517.53	517.53	517.53	517.53	517.53
6.000	517.53	517.53	517.53	517.53	517.53
6.250	517.53	517.53	517.53	517.53	517.53
6.500	517.53	517.53	517.53	517.53	517.53
6.750	517.53	517.53	517.53	517.53	517.53
7.000	517.53	517.53	517.53	517.53	517.53
7.250	517.53	517.53	517.53	517.53	517.53
7.500	517.53	517.53	517.53	517.53	517.53
7.750	517.53	517.53	517.53	517.53	517.53
8.000	517.53	517.53	517.53	517.53	517.53
8.250	517.53	517.53	517.53	517.53	517.53
8.500	517.53	517.53	517.53	517.53	517.53
8.750	517.53	517.53	517.53	517.53	517.53
9.000	517.53	517.53	517.53	517.53	517.53
9.250	517.53	517.53	517.53	517.53	517.53
9.500	517.53	517.53	517.53	517.53	517.53
9.750	517.53	517.53	517.53	517.54	517.54
10.000	517.54	517.54	517.54	517.54	517.54
10.250	517.54	517.54	517.55	517.55	517.55
10.500	517.55	517.55	517.56	517.56	517.56
10.750	517.56	517.57	517.57	517.58	517.58
11.000	517.58	517.59	517.59	517.60	517.61

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 2 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	517.61	517.62	517.63	517.64	517.65
11.500	517.66	517.67	517.69	517.72	517.77
11.750	517.84	517.94	518.08	518.30	518.54
12.000	518.76	518.93	519.02	519.07	519.11
12.250	519.15	519.18	519.22	519.25	519.27
12.500	519.30	519.32	519.34	519.36	519.38
12.750	519.40	519.42	519.44	519.46	519.47
13.000	519.49	519.50	519.52	519.53	519.55
13.250	519.56	519.58	519.59	519.60	519.62
13.500	519.63	519.64	519.65	519.66	519.67
13.750	519.69	519.70	519.71	519.72	519.73
14.000	519.74	519.75	519.76	519.76	519.77
14.250	519.78	519.79	519.80	519.81	519.82
14.500	519.83	519.84	519.84	519.85	519.86
14.750	519.87	519.88	519.89	519.89	519.90
15.000	519.91	519.92	519.93	519.93	519.94
15.250	519.95	519.96	519.96	519.97	519.98
15.500	519.98	519.99	520.00	520.01	520.01
15.750	520.02	520.02	520.03	520.04	520.04
16.000	520.05	520.06	520.06	520.07	520.07
16.250	520.08	520.09	520.09	520.10	520.10
16.500	520.11	520.11	520.12	520.13	520.13
16.750	520.14	520.14	520.15	520.15	520.16
17.000	520.17	520.17	520.18	520.18	520.19
17.250	520.19	520.20	520.20	520.21	520.21
17.500	520.22	520.22	520.23	520.23	520.24
17.750	520.24	520.25	520.25	520.26	520.26
18.000	520.27	520.27	520.28	520.28	520.29
18.250	520.29	520.30	520.30	520.31	520.31
18.500	520.32	520.32	520.32	520.33	520.33
18.750	520.34	520.34	520.35	520.35	520.35
19.000	520.36	520.36	520.37	520.37	520.38
19.250	520.38	520.38	520.39	520.39	520.40
19.500	520.40	520.40	520.41	520.41	520.41
19.750	520.41	520.42	520.42	520.42	520.42
20.000	520.42	520.42	520.42	520.43	520.43
20.250	520.43	520.43	520.43	520.43	520.43
20.500	520.43	520.43	520.43	520.43	520.43
20.750	520.43	520.43	520.43	520.43	520.43
21.000	520.43	520.43	520.43	520.43	520.43
21.250	520.43	520.43	520.43	520.43	520.43
21.500	520.43	520.43	520.43	520.43	520.43
21.750	520.43	520.43	520.43	520.43	520.43
22.000	520.43	520.43	520.43	520.43	520.43
22.250	520.43	520.43	520.43	520.43	520.43

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 2 (OUT)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.43	520.43	520.43	520.43	520.43
22.750	520.43	520.43	520.43	520.43	520.43
23.000	520.43	520.43	520.43	520.43	520.43
23.250	520.43	520.43	520.43	520.43	520.43
23.500	520.43	520.43	520.43	520.43	520.43
23.750	520.43	520.43	520.43	520.43	520.43
24.000	520.43	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 2 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	517.53	517.53	517.53	517.53	517.53
0.250	517.53	517.53	517.53	517.53	517.53
0.500	517.53	517.53	517.53	517.53	517.53
0.750	517.53	517.53	517.53	517.53	517.53
1.000	517.53	517.53	517.53	517.53	517.53
1.250	517.53	517.53	517.53	517.53	517.53
1.500	517.53	517.53	517.53	517.53	517.53
1.750	517.53	517.53	517.53	517.53	517.53
2.000	517.53	517.53	517.53	517.53	517.53
2.250	517.53	517.53	517.53	517.53	517.53
2.500	517.53	517.53	517.53	517.53	517.53
2.750	517.53	517.53	517.53	517.53	517.53
3.000	517.53	517.53	517.53	517.53	517.53
3.250	517.53	517.53	517.53	517.53	517.53
3.500	517.53	517.53	517.53	517.53	517.53
3.750	517.53	517.53	517.53	517.53	517.53
4.000	517.53	517.53	517.53	517.53	517.53
4.250	517.53	517.53	517.53	517.53	517.53
4.500	517.53	517.53	517.53	517.53	517.53
4.750	517.53	517.53	517.53	517.53	517.53
5.000	517.53	517.53	517.53	517.53	517.53
5.250	517.53	517.53	517.53	517.53	517.53
5.500	517.53	517.53	517.53	517.53	517.53
5.750	517.53	517.53	517.53	517.53	517.53
6.000	517.53	517.53	517.53	517.53	517.53
6.250	517.53	517.53	517.53	517.53	517.53
6.500	517.53	517.53	517.53	517.53	517.53
6.750	517.53	517.53	517.53	517.53	517.53
7.000	517.53	517.53	517.53	517.53	517.53
7.250	517.53	517.53	517.53	517.53	517.53
7.500	517.53	517.53	517.53	517.53	517.53
7.750	517.53	517.53	517.53	517.53	517.53
8.000	517.53	517.53	517.53	517.53	517.53
8.250	517.53	517.53	517.53	517.53	517.53
8.500	517.53	517.53	517.53	517.53	517.53
8.750	517.53	517.53	517.53	517.53	517.53
9.000	517.53	517.54	517.54	517.54	517.54
9.250	517.54	517.54	517.54	517.54	517.54
9.500	517.55	517.55	517.55	517.55	517.55
9.750	517.55	517.56	517.56	517.56	517.56
10.000	517.56	517.57	517.57	517.57	517.58
10.250	517.58	517.58	517.59	517.59	517.59
10.500	517.60	517.60	517.61	517.61	517.62
10.750	517.62	517.63	517.64	517.64	517.65
11.000	517.66	517.67	517.67	517.68	517.69

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 2 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	517.71	517.72	517.73	517.74	517.76
11.500	517.78	517.80	517.83	517.88	517.95
11.750	518.05	518.20	518.40	518.70	519.02
12.000	519.32	519.54	519.66	519.73	519.79
12.250	519.83	519.88	519.92	519.96	520.00
12.500	520.03	520.06	520.09	520.12	520.14
12.750	520.17	520.19	520.22	520.24	520.26
13.000	520.28	520.30	520.32	520.34	520.36
13.250	520.38	520.39	520.41	520.42	520.44
13.500	520.44	520.44	520.44	520.44	520.44
13.750	520.44	520.44	520.44	520.44	520.44
14.000	520.44	520.44	520.44	520.44	520.44
14.250	520.44	520.44	520.44	520.44	520.44
14.500	520.44	520.44	520.44	520.44	520.44
14.750	520.44	520.44	520.44	520.44	520.44
15.000	520.44	520.44	520.44	520.44	520.44
15.250	520.44	520.44	520.44	520.43	520.43
15.500	520.43	520.43	520.43	520.43	520.43
15.750	520.43	520.43	520.43	520.43	520.43
16.000	520.43	520.43	520.43	520.43	520.43
16.250	520.43	520.43	520.43	520.43	520.43
16.500	520.43	520.43	520.43	520.43	520.43
16.750	520.43	520.43	520.43	520.43	520.43
17.000	520.43	520.43	520.43	520.43	520.43
17.250	520.43	520.43	520.43	520.43	520.43
17.500	520.43	520.43	520.43	520.43	520.43
17.750	520.43	520.43	520.43	520.43	520.43
18.000	520.43	520.43	520.43	520.43	520.43
18.250	520.43	520.43	520.43	520.43	520.43
18.500	520.43	520.43	520.43	520.43	520.43
18.750	520.43	520.43	520.43	520.43	520.43
19.000	520.43	520.43	520.43	520.43	520.43
19.250	520.43	520.43	520.43	520.43	520.43
19.500	520.43	520.43	520.43	520.43	520.43
19.750	520.43	520.43	520.43	520.43	520.43
20.000	520.43	520.43	520.43	520.43	520.43
20.250	520.43	520.43	520.43	520.43	520.43
20.500	520.43	520.43	520.43	520.43	520.43
20.750	520.43	520.43	520.43	520.43	520.43
21.000	520.43	520.43	520.43	520.43	520.43
21.250	520.43	520.43	520.43	520.43	520.43
21.500	520.43	520.43	520.43	520.43	520.43
21.750	520.43	520.43	520.43	520.43	520.43
22.000	520.43	520.43	520.43	520.43	520.43
22.250	520.43	520.43	520.43	520.43	520.43

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 2 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.43	520.43	520.43	520.43	520.43
22.750	520.43	520.43	520.43	520.43	520.43
23.000	520.43	520.43	520.43	520.43	520.43
23.250	520.43	520.43	520.43	520.43	520.43
23.500	520.43	520.43	520.43	520.43	520.43
23.750	520.43	520.43	520.43	520.43	520.43
24.000	520.43	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 2 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	516.86	516.86	516.86	516.86	516.86
0.250	516.86	516.86	516.86	516.86	516.86
0.500	516.86	516.86	516.86	516.86	516.86
0.750	516.86	516.86	516.86	516.86	516.86
1.000	516.86	516.86	516.86	516.86	516.86
1.250	516.86	516.86	516.86	516.86	516.86
1.500	516.86	516.86	516.86	516.86	516.86
1.750	516.86	516.86	516.86	516.86	516.86
2.000	516.86	516.86	516.86	516.86	516.86
2.250	516.86	516.86	516.86	516.86	516.86
2.500	516.86	516.86	516.86	516.86	516.86
2.750	516.86	516.86	516.86	516.86	516.86
3.000	516.86	516.86	516.86	516.86	516.86
3.250	516.86	516.86	516.86	516.86	516.86
3.500	516.86	516.86	516.86	516.86	516.86
3.750	516.86	516.86	516.86	516.86	516.86
4.000	516.86	516.86	516.86	516.86	516.86
4.250	516.86	516.86	516.86	516.86	516.86
4.500	516.86	516.86	516.86	516.86	516.86
4.750	516.86	516.86	516.86	516.86	516.86
5.000	516.86	516.86	516.86	516.86	516.86
5.250	516.86	516.86	516.86	516.86	516.86
5.500	516.86	516.86	516.86	516.86	516.86
5.750	516.86	516.86	516.86	516.86	516.86
6.000	516.86	516.86	516.86	516.86	516.86
6.250	516.86	516.86	516.86	516.86	516.86
6.500	516.86	516.86	516.86	516.86	516.86
6.750	516.86	516.86	516.86	516.86	516.86
7.000	516.86	516.86	516.86	516.86	516.86
7.250	516.86	516.86	516.86	516.86	516.86
7.500	516.86	516.86	516.86	516.86	516.86
7.750	516.86	516.86	516.86	516.86	516.87
8.000	516.87	516.87	516.87	516.87	516.87
8.250	516.87	516.87	516.87	516.87	516.88
8.500	516.88	516.88	516.88	516.88	516.88
8.750	516.89	516.89	516.89	516.89	516.89
9.000	516.90	516.90	516.90	516.91	516.91
9.250	516.91	516.91	516.92	516.92	516.92
9.500	516.93	516.93	516.93	516.94	516.94
9.750	516.95	516.95	516.95	516.96	516.96
10.000	516.97	516.97	516.98	516.99	516.99
10.250	517.00	517.00	517.01	517.02	517.03
10.500	517.03	517.04	517.05	517.06	517.07
10.750	517.08	517.09	517.10	517.11	517.13
11.000	517.14	517.15	517.17	517.19	517.20

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 2 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	517.22	517.24	517.26	517.29	517.31
11.500	517.34	517.37	517.42	517.50	517.61
11.750	517.77	517.97	518.27	518.69	519.15
12.000	519.56	519.87	520.04	520.13	520.20
12.250	520.27	520.33	520.39	520.44	520.47
12.500	520.47	520.47	520.47	520.47	520.47
12.750	520.47	520.47	520.47	520.47	520.47
13.000	520.47	520.46	520.46	520.46	520.46
13.250	520.46	520.46	520.46	520.46	520.46
13.500	520.46	520.46	520.46	520.46	520.46
13.750	520.46	520.46	520.46	520.46	520.46
14.000	520.46	520.46	520.46	520.46	520.45
14.250	520.45	520.45	520.45	520.45	520.45
14.500	520.45	520.45	520.45	520.45	520.45
14.750	520.45	520.45	520.45	520.45	520.45
15.000	520.45	520.45	520.45	520.44	520.44
15.250	520.44	520.44	520.44	520.44	520.44
15.500	520.44	520.44	520.44	520.44	520.44
15.750	520.44	520.44	520.44	520.44	520.44
16.000	520.44	520.44	520.44	520.43	520.43
16.250	520.43	520.43	520.43	520.43	520.43
16.500	520.43	520.43	520.43	520.43	520.43
16.750	520.43	520.43	520.43	520.43	520.43
17.000	520.43	520.43	520.43	520.43	520.43
17.250	520.43	520.43	520.43	520.43	520.43
17.500	520.43	520.43	520.43	520.43	520.43
17.750	520.43	520.43	520.43	520.43	520.43
18.000	520.43	520.43	520.43	520.43	520.43
18.250	520.43	520.43	520.43	520.43	520.43
18.500	520.43	520.43	520.43	520.43	520.43
18.750	520.42	520.42	520.42	520.42	520.42
19.000	520.42	520.42	520.42	520.42	520.42
19.250	520.42	520.42	520.42	520.42	520.42
19.500	520.42	520.42	520.42	520.42	520.42
19.750	520.42	520.42	520.42	520.42	520.42
20.000	520.42	520.42	520.42	520.42	520.42
20.250	520.42	520.42	520.42	520.42	520.42
20.500	520.42	520.42	520.42	520.42	520.42
20.750	520.42	520.42	520.42	520.42	520.42
21.000	520.42	520.42	520.42	520.42	520.42
21.250	520.42	520.42	520.42	520.42	520.42
21.500	520.42	520.42	520.42	520.42	520.42
21.750	520.42	520.42	520.42	520.42	520.42
22.000	520.42	520.42	520.42	520.42	520.42
22.250	520.42	520.42	520.42	520.42	520.42

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 2 (OUT)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.42	520.42	520.42	520.42	520.42
22.750	520.42	520.42	520.42	520.42	520.42
23.000	520.42	520.42	520.42	520.42	520.42
23.250	520.42	520.42	520.42	520.42	520.42
23.500	520.42	520.42	520.42	520.42	520.42
23.750	520.42	520.42	520.42	520.42	520.42
24.000	520.42	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 2 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	516.86	516.86	516.86	516.86	516.86
0.250	516.86	516.86	516.86	516.86	516.86
0.500	516.86	516.86	516.86	516.86	516.86
0.750	516.86	516.86	516.86	516.86	516.86
1.000	516.86	516.86	516.86	516.86	516.86
1.250	516.86	516.86	516.86	516.86	516.86
1.500	516.86	516.86	516.86	516.86	516.86
1.750	516.86	516.86	516.86	516.86	516.86
2.000	516.86	516.86	516.86	516.86	516.86
2.250	516.86	516.86	516.86	516.86	516.86
2.500	516.86	516.86	516.86	516.86	516.86
2.750	516.86	516.86	516.86	516.86	516.86
3.000	516.86	516.86	516.86	516.86	516.86
3.250	516.86	516.86	516.86	516.86	516.86
3.500	516.86	516.86	516.86	516.86	516.86
3.750	516.86	516.86	516.86	516.86	516.86
4.000	516.86	516.86	516.86	516.86	516.86
4.250	516.86	516.86	516.86	516.86	516.86
4.500	516.86	516.86	516.86	516.86	516.86
4.750	516.86	516.86	516.86	516.86	516.86
5.000	516.86	516.86	516.86	516.86	516.86
5.250	516.86	516.86	516.86	516.86	516.86
5.500	516.86	516.86	516.86	516.86	516.86
5.750	516.86	516.86	516.86	516.86	516.86
6.000	516.86	516.86	516.86	516.86	516.86
6.250	516.86	516.86	516.86	516.86	516.86
6.500	516.86	516.86	516.86	516.86	516.86
6.750	516.86	516.86	516.86	516.86	516.86
7.000	516.86	516.86	516.87	516.87	516.87
7.250	516.87	516.87	516.87	516.87	516.87
7.500	516.87	516.87	516.88	516.88	516.88
7.750	516.88	516.88	516.88	516.88	516.89
8.000	516.89	516.89	516.89	516.89	516.90
8.250	516.90	516.90	516.90	516.91	516.91
8.500	516.91	516.91	516.92	516.92	516.92
8.750	516.93	516.93	516.93	516.94	516.94
9.000	516.95	516.95	516.96	516.96	516.97
9.250	516.97	516.98	516.98	516.99	516.99
9.500	517.00	517.00	517.01	517.01	517.02
9.750	517.03	517.03	517.04	517.05	517.05
10.000	517.06	517.07	517.08	517.09	517.10
10.250	517.11	517.12	517.13	517.14	517.15
10.500	517.16	517.17	517.18	517.20	517.21
10.750	517.23	517.24	517.26	517.27	517.29
11.000	517.31	517.33	517.35	517.37	517.40

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 2 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	517.42	517.45	517.48	517.51	517.55
11.500	517.58	517.63	517.70	517.80	517.95
11.750	518.15	518.42	518.81	519.34	519.91
12.000	520.43	520.60	520.53	520.51	520.50
12.250	520.49	520.49	520.49	520.48	520.48
12.500	520.48	520.48	520.47	520.47	520.47
12.750	520.47	520.47	520.47	520.47	520.47
13.000	520.47	520.47	520.47	520.47	520.47
13.250	520.47	520.47	520.47	520.46	520.46
13.500	520.46	520.46	520.46	520.46	520.46
13.750	520.46	520.46	520.46	520.46	520.46
14.000	520.46	520.46	520.46	520.46	520.46
14.250	520.46	520.46	520.46	520.46	520.46
14.500	520.46	520.46	520.46	520.46	520.46
14.750	520.46	520.46	520.46	520.46	520.46
15.000	520.46	520.46	520.45	520.45	520.45
15.250	520.45	520.45	520.45	520.45	520.45
15.500	520.45	520.45	520.45	520.45	520.45
15.750	520.45	520.45	520.45	520.45	520.44
16.000	520.44	520.44	520.44	520.44	520.44
16.250	520.44	520.44	520.44	520.44	520.44
16.500	520.44	520.44	520.44	520.44	520.44
16.750	520.44	520.44	520.44	520.44	520.44
17.000	520.44	520.44	520.44	520.44	520.44
17.250	520.44	520.44	520.44	520.44	520.44
17.500	520.44	520.44	520.44	520.44	520.43
17.750	520.43	520.43	520.43	520.43	520.43
18.000	520.43	520.43	520.43	520.43	520.43
18.250	520.43	520.43	520.43	520.43	520.43
18.500	520.43	520.43	520.43	520.43	520.43
18.750	520.43	520.43	520.43	520.43	520.43
19.000	520.43	520.43	520.43	520.43	520.43
19.250	520.43	520.43	520.43	520.43	520.43
19.500	520.43	520.43	520.43	520.43	520.43
19.750	520.43	520.43	520.43	520.43	520.42
20.000	520.42	520.42	520.42	520.42	520.42
20.250	520.42	520.42	520.42	520.42	520.42
20.500	520.42	520.42	520.42	520.42	520.42
20.750	520.42	520.42	520.42	520.42	520.42
21.000	520.42	520.42	520.42	520.42	520.42
21.250	520.42	520.42	520.42	520.42	520.42
21.500	520.42	520.42	520.42	520.42	520.42
21.750	520.42	520.42	520.42	520.42	520.42
22.000	520.42	520.42	520.42	520.42	520.42
22.250	520.42	520.42	520.42	520.42	520.42

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 2 (OUT)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.42	520.42	520.42	520.42	520.42
22.750	520.42	520.42	520.42	520.42	520.42
23.000	520.42	520.42	520.42	520.42	520.42
23.250	520.42	520.42	520.42	520.42	520.42
23.500	520.42	520.42	520.42	520.42	520.42
23.750	520.42	520.42	520.42	520.42	520.42
24.000	520.42	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 2 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	516.86	516.86	516.86	516.86	516.86
0.250	516.86	516.86	516.86	516.86	516.86
0.500	516.86	516.86	516.86	516.86	516.86
0.750	516.86	516.86	516.86	516.86	516.86
1.000	516.86	516.86	516.86	516.86	516.86
1.250	516.86	516.86	516.86	516.86	516.86
1.500	516.86	516.86	516.86	516.86	516.86
1.750	516.86	516.86	516.86	516.86	516.86
2.000	516.86	516.86	516.86	516.86	516.86
2.250	516.86	516.86	516.86	516.86	516.86
2.500	516.86	516.86	516.86	516.86	516.86
2.750	516.86	516.86	516.86	516.86	516.86
3.000	516.86	516.86	516.86	516.86	516.86
3.250	516.86	516.86	516.86	516.86	516.86
3.500	516.86	516.86	516.86	516.86	516.86
3.750	516.86	516.86	516.86	516.86	516.86
4.000	516.86	516.86	516.86	516.86	516.86
4.250	516.86	516.86	516.86	516.86	516.86
4.500	516.86	516.86	516.86	516.86	516.86
4.750	516.86	516.86	516.86	516.86	516.86
5.000	516.86	516.86	516.86	516.86	516.86
5.250	516.86	516.86	516.86	516.86	516.86
5.500	516.86	516.86	516.86	516.86	516.86
5.750	516.86	516.86	516.86	516.86	516.86
6.000	516.86	516.86	516.86	516.87	516.87
6.250	516.87	516.87	516.87	516.87	516.87
6.500	516.87	516.87	516.88	516.88	516.88
6.750	516.88	516.88	516.88	516.89	516.89
7.000	516.89	516.89	516.89	516.90	516.90
7.250	516.90	516.90	516.91	516.91	516.91
7.500	516.92	516.92	516.92	516.92	516.93
7.750	516.93	516.93	516.94	516.94	516.95
8.000	516.95	516.95	516.96	516.96	516.97
8.250	516.97	516.97	516.98	516.98	516.99
8.500	516.99	517.00	517.01	517.01	517.02
8.750	517.02	517.03	517.04	517.05	517.05
9.000	517.06	517.07	517.08	517.08	517.09
9.250	517.10	517.11	517.12	517.13	517.14
9.500	517.14	517.15	517.16	517.17	517.18
9.750	517.19	517.20	517.21	517.23	517.24
10.000	517.25	517.26	517.28	517.29	517.30
10.250	517.32	517.33	517.35	517.37	517.38
10.500	517.40	517.42	517.44	517.46	517.48
10.750	517.50	517.53	517.55	517.57	517.60
11.000	517.63	517.66	517.69	517.72	517.76

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 2 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	517.79	517.83	517.88	517.92	517.97
11.500	518.02	518.09	518.19	518.33	518.54
11.750	518.82	519.19	519.71	520.42	520.69
12.000	520.62	520.62	520.55	520.53	520.51
12.250	520.51	520.50	520.50	520.49	520.49
12.500	520.49	520.48	520.48	520.48	520.48
12.750	520.48	520.48	520.48	520.48	520.47
13.000	520.47	520.47	520.47	520.47	520.47
13.250	520.47	520.47	520.47	520.47	520.47
13.500	520.47	520.47	520.47	520.47	520.47
13.750	520.47	520.47	520.47	520.46	520.46
14.000	520.46	520.46	520.46	520.46	520.46
14.250	520.46	520.46	520.46	520.46	520.46
14.500	520.46	520.46	520.46	520.46	520.46
14.750	520.46	520.46	520.46	520.46	520.46
15.000	520.46	520.46	520.46	520.46	520.46
15.250	520.46	520.46	520.46	520.46	520.46
15.500	520.46	520.46	520.46	520.46	520.46
15.750	520.46	520.46	520.46	520.46	520.46
16.000	520.46	520.46	520.45	520.45	520.45
16.250	520.45	520.45	520.45	520.45	520.45
16.500	520.45	520.45	520.45	520.45	520.45
16.750	520.45	520.45	520.45	520.45	520.45
17.000	520.45	520.45	520.45	520.45	520.45
17.250	520.45	520.45	520.45	520.45	520.45
17.500	520.45	520.45	520.44	520.44	520.44
17.750	520.44	520.44	520.44	520.44	520.44
18.000	520.44	520.44	520.44	520.44	520.44
18.250	520.44	520.44	520.44	520.44	520.44
18.500	520.44	520.44	520.44	520.44	520.44
18.750	520.44	520.44	520.44	520.44	520.44
19.000	520.44	520.44	520.44	520.44	520.44
19.250	520.44	520.44	520.44	520.43	520.43
19.500	520.43	520.43	520.43	520.43	520.43
19.750	520.43	520.43	520.43	520.43	520.43
20.000	520.43	520.43	520.43	520.43	520.43
20.250	520.43	520.43	520.43	520.43	520.43
20.500	520.43	520.43	520.43	520.43	520.43
20.750	520.43	520.43	520.43	520.43	520.43
21.000	520.43	520.43	520.43	520.43	520.43
21.250	520.43	520.43	520.43	520.43	520.43
21.500	520.43	520.43	520.43	520.43	520.43
21.750	520.43	520.43	520.43	520.43	520.43
22.000	520.43	520.43	520.43	520.43	520.43
22.250	520.43	520.43	520.43	520.43	520.43

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 2 (OUT)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.43	520.43	520.43	520.43	520.43
22.750	520.43	520.43	520.43	520.43	520.43
23.000	520.43	520.43	520.43	520.43	520.43
23.250	520.43	520.43	520.43	520.43	520.43
23.500	520.43	520.43	520.43	520.43	520.43
23.750	520.43	520.43	520.43	520.43	520.43
24.000	520.43	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 2 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	517.53	517.53	517.53	517.53	517.53
0.250	517.53	517.53	517.53	517.53	517.53
0.500	517.53	517.53	517.53	517.53	517.53
0.750	517.53	517.53	517.53	517.53	517.53
1.000	517.53	517.53	517.53	517.53	517.53
1.250	517.53	517.53	517.53	517.53	517.53
1.500	517.53	517.53	517.53	517.53	517.53
1.750	517.53	517.53	517.53	517.53	517.53
2.000	517.53	517.53	517.53	517.53	517.53
2.250	517.53	517.53	517.53	517.53	517.53
2.500	517.53	517.53	517.53	517.53	517.53
2.750	517.53	517.53	517.53	517.53	517.53
3.000	517.53	517.53	517.53	517.53	517.53
3.250	517.53	517.53	517.53	517.53	517.53
3.500	517.53	517.53	517.53	517.53	517.53
3.750	517.53	517.53	517.53	517.53	517.53
4.000	517.53	517.53	517.53	517.53	517.53
4.250	517.53	517.53	517.53	517.53	517.53
4.500	517.53	517.53	517.53	517.53	517.53
4.750	517.53	517.53	517.53	517.53	517.53
5.000	517.53	517.53	517.53	517.53	517.53
5.250	517.53	517.53	517.53	517.53	517.54
5.500	517.54	517.54	517.54	517.54	517.54
5.750	517.54	517.54	517.55	517.55	517.55
6.000	517.55	517.55	517.55	517.56	517.56
6.250	517.56	517.56	517.57	517.57	517.57
6.500	517.57	517.58	517.58	517.58	517.59
6.750	517.59	517.59	517.59	517.60	517.60
7.000	517.61	517.61	517.61	517.62	517.62
7.250	517.63	517.63	517.63	517.64	517.64
7.500	517.65	517.65	517.66	517.66	517.67
7.750	517.67	517.68	517.68	517.69	517.70
8.000	517.70	517.71	517.71	517.72	517.73
8.250	517.73	517.74	517.75	517.76	517.76
8.500	517.77	517.78	517.79	517.80	517.81
8.750	517.82	517.82	517.83	517.85	517.86
9.000	517.87	517.88	517.89	517.90	517.91
9.250	517.92	517.94	517.95	517.96	517.97
9.500	517.99	518.00	518.01	518.02	518.04
9.750	518.05	518.07	518.08	518.10	518.11
10.000	518.13	518.15	518.17	518.19	518.20
10.250	518.22	518.25	518.27	518.29	518.31
10.500	518.34	518.36	518.39	518.41	518.44
10.750	518.47	518.50	518.54	518.57	518.60
11.000	518.64	518.68	518.72	518.76	518.81

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 2 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	518.86	518.91	518.97	519.02	519.09
11.500	519.15	519.24	519.36	519.55	519.81
11.750	520.16	520.63	520.86	520.86	520.86
12.000	520.86	520.86	520.86	520.86	520.86
12.250	520.86	520.86	520.86	520.86	520.86
12.500	520.86	520.86	520.86	520.86	520.86
12.750	520.86	520.86	520.86	520.86	520.86
13.000	520.86	520.86	520.86	520.86	520.86
13.250	520.86	520.86	520.86	520.86	520.86
13.500	520.86	520.86	520.86	520.86	520.86
13.750	520.86	520.86	520.86	520.86	520.86
14.000	520.86	520.86	520.86	520.86	520.86
14.250	520.86	520.86	520.86	520.86	520.86
14.500	520.86	520.86	520.86	520.86	520.86
14.750	520.86	520.86	520.86	520.86	520.86
15.000	520.86	520.86	520.86	520.86	520.86
15.250	520.86	520.86	520.86	520.86	520.86
15.500	520.86	520.86	520.86	520.86	520.86
15.750	520.86	520.86	520.86	520.86	520.86
16.000	520.86	520.86	520.86	520.86	520.86
16.250	520.86	520.86	520.86	520.86	520.86
16.500	520.86	520.86	520.86	520.86	520.86
16.750	520.86	520.86	520.86	520.86	520.86
17.000	520.86	520.86	520.86	520.86	520.86
17.250	520.86	520.86	520.86	520.86	520.86
17.500	520.86	520.86	520.86	520.86	520.86
17.750	520.86	520.86	520.86	520.86	520.86
18.000	520.86	520.86	520.86	520.86	520.86
18.250	520.86	520.86	520.86	520.86	520.86
18.500	520.86	520.86	520.86	520.86	520.86
18.750	520.86	520.86	520.86	520.86	520.86
19.000	520.86	520.86	520.86	520.86	520.86
19.250	520.86	520.86	520.86	520.86	520.86
19.500	520.86	520.86	520.86	520.86	520.86
19.750	520.86	520.86	520.86	520.86	520.86
20.000	520.86	520.86	520.86	520.86	520.86
20.250	520.86	520.86	520.86	520.86	520.86
20.500	520.86	520.86	520.86	520.86	520.86
20.750	520.86	520.86	520.86	520.86	520.86
21.000	520.86	520.86	520.86	520.86	520.86
21.250	520.86	520.86	520.86	520.86	520.86
21.500	520.86	520.86	520.86	520.86	520.86
21.750	520.86	520.86	520.86	520.86	520.86
22.000	520.86	520.86	520.86	520.86	520.86
22.250	520.86	520.86	520.86	520.86	520.86

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 2 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.86	520.86	520.86	520.86	520.86
22.750	520.86	520.86	520.86	520.86	520.86
23.000	520.86	520.86	520.86	520.86	520.86
23.250	520.86	520.86	520.86	520.86	520.86
23.500	520.86	520.86	520.86	520.86	520.86
23.750	520.86	520.86	520.86	520.86	520.86
24.000	520.86	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 2 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	517.53	517.53	517.53	517.53	517.53
0.250	517.53	517.53	517.53	517.53	517.53
0.500	517.53	517.53	517.53	517.53	517.53
0.750	517.53	517.53	517.53	517.53	517.53
1.000	517.53	517.53	517.53	517.53	517.53
1.250	517.53	517.53	517.53	517.53	517.53
1.500	517.53	517.53	517.53	517.53	517.53
1.750	517.53	517.53	517.53	517.53	517.53
2.000	517.53	517.53	517.53	517.53	517.53
2.250	517.53	517.53	517.53	517.53	517.53
2.500	517.53	517.53	517.53	517.53	517.53
2.750	517.53	517.53	517.53	517.53	517.53
3.000	517.53	517.53	517.53	517.53	517.53
3.250	517.53	517.53	517.53	517.53	517.53
3.500	517.53	517.53	517.53	517.53	517.53
3.750	517.53	517.53	517.53	517.53	517.53
4.000	517.53	517.53	517.53	517.53	517.53
4.250	517.53	517.53	517.53	517.53	517.53
4.500	517.53	517.53	517.53	517.53	517.53
4.750	517.53	517.53	517.54	517.54	517.54
5.000	517.54	517.54	517.54	517.54	517.55
5.250	517.55	517.55	517.55	517.55	517.56
5.500	517.56	517.56	517.56	517.57	517.57
5.750	517.57	517.57	517.58	517.58	517.58
6.000	517.59	517.59	517.59	517.60	517.60
6.250	517.61	517.61	517.62	517.62	517.62
6.500	517.63	517.63	517.64	517.64	517.65
6.750	517.65	517.66	517.66	517.67	517.68
7.000	517.68	517.69	517.69	517.70	517.71
7.250	517.71	517.72	517.73	517.73	517.74
7.500	517.75	517.76	517.76	517.77	517.78
7.750	517.79	517.79	517.80	517.81	517.82
8.000	517.83	517.84	517.84	517.85	517.86
8.250	517.87	517.88	517.89	517.90	517.92
8.500	517.93	517.94	517.95	517.96	517.98
8.750	517.99	518.00	518.02	518.03	518.05
9.000	518.06	518.08	518.09	518.11	518.13
9.250	518.14	518.16	518.17	518.19	518.21
9.500	518.23	518.24	518.26	518.28	518.30
9.750	518.32	518.34	518.36	518.38	518.40
10.000	518.42	518.45	518.47	518.50	518.52
10.250	518.55	518.58	518.60	518.63	518.66
10.500	518.70	518.73	518.76	518.80	518.83
10.750	518.87	518.91	518.96	519.00	519.04
11.000	519.09	519.14	519.19	519.25	519.31

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 2 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	519.37	519.44	519.51	519.59	519.67
11.500	519.75	519.86	520.02	520.25	520.52
11.750	520.63	520.64	520.68	520.72	520.71
12.000	520.68	520.64	520.57	520.54	520.54
12.250	520.54	520.53	520.53	520.53	520.52
12.500	520.51	520.51	520.50	520.50	520.49
12.750	520.49	520.49	520.49	520.48	520.48
13.000	520.48	520.48	520.48	520.48	520.47
13.250	520.47	520.47	520.47	520.47	520.47
13.500	520.47	520.47	520.47	520.46	520.46
13.750	520.46	520.46	520.46	520.46	520.46
14.000	520.46	520.46	520.46	520.46	520.46
14.250	520.46	520.46	520.46	520.46	520.46
14.500	520.45	520.45	520.45	520.45	520.45
14.750	520.45	520.45	520.45	520.45	520.45
15.000	520.45	520.45	520.45	520.45	520.45
15.250	520.45	520.45	520.45	520.45	520.45
15.500	520.45	520.45	520.45	520.45	520.45
15.750	520.45	520.45	520.45	520.45	520.45
16.000	520.45	520.45	520.45	520.45	520.45
16.250	520.45	520.45	520.45	520.45	520.45
16.500	520.45	520.45	520.45	520.44	520.44
16.750	520.44	520.44	520.44	520.44	520.44
17.000	520.44	520.44	520.44	520.44	520.44
17.250	520.44	520.44	520.44	520.44	520.44
17.500	520.44	520.44	520.44	520.44	520.44
17.750	520.44	520.44	520.44	520.44	520.44
18.000	520.44	520.44	520.44	520.44	520.44
18.250	520.44	520.44	520.44	520.44	520.44
18.500	520.44	520.44	520.44	520.44	520.44
18.750	520.44	520.44	520.44	520.44	520.44
19.000	520.44	520.44	520.44	520.44	520.44
19.250	520.44	520.44	520.44	520.44	520.44
19.500	520.44	520.44	520.44	520.44	520.44
19.750	520.44	520.44	520.44	520.44	520.44
20.000	520.44	520.44	520.44	520.44	520.44
20.250	520.44	520.44	520.44	520.44	520.44
20.500	520.44	520.44	520.44	520.44	520.44
20.750	520.44	520.44	520.44	520.44	520.44
21.000	520.44	520.44	520.44	520.44	520.44
21.250	520.44	520.44	520.44	520.44	520.44
21.500	520.44	520.44	520.44	520.44	520.44
21.750	520.44	520.44	520.44	520.44	520.44
22.000	520.44	520.44	520.44	520.44	520.44
22.250	520.44	520.44	520.44	520.44	520.44

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 2 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.44	520.44	520.44	520.44	520.44
22.750	520.44	520.44	520.44	520.44	520.44
23.000	520.44	520.44	520.44	520.44	520.44
23.250	520.44	520.44	520.44	520.44	520.44
23.500	520.44	520.44	520.44	520.44	520.44
23.750	520.44	520.44	520.44	520.44	520.44
24.000	520.44	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 3 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.71	521.71	521.71	521.71	521.71
0.250	521.71	521.71	521.71	521.71	521.71
0.500	521.71	521.71	521.71	521.71	521.71
0.750	521.71	521.71	521.71	521.71	521.71
1.000	521.71	521.71	521.71	521.71	521.71
1.250	521.71	521.71	521.71	521.71	521.71
1.500	521.71	521.71	521.71	521.71	521.71
1.750	521.71	521.71	521.71	521.71	521.71
2.000	521.71	521.71	521.71	521.71	521.71
2.250	521.71	521.71	521.71	521.71	521.71
2.500	521.71	521.71	521.71	521.71	521.71
2.750	521.71	521.71	521.71	521.71	521.71
3.000	521.71	521.71	521.71	521.71	521.71
3.250	521.71	521.71	521.71	521.71	521.71
3.500	521.71	521.71	521.71	521.71	521.71
3.750	521.71	521.71	521.71	521.71	521.71
4.000	521.71	521.71	521.71	521.71	521.71
4.250	521.71	521.71	521.71	521.71	521.71
4.500	521.71	521.71	521.71	521.71	521.71
4.750	521.71	521.71	521.71	521.71	521.71
5.000	521.71	521.71	521.71	521.71	521.71
5.250	521.71	521.71	521.71	521.71	521.71
5.500	521.71	521.71	521.71	521.71	521.71
5.750	521.71	521.71	521.71	521.71	521.71
6.000	521.71	521.71	521.71	521.71	521.71
6.250	521.71	521.71	521.71	521.71	521.71
6.500	521.71	521.71	521.71	521.71	521.71
6.750	521.71	521.71	521.71	521.71	521.71
7.000	521.71	521.71	521.71	521.71	521.71
7.250	521.71	521.71	521.71	521.71	521.71
7.500	521.71	521.71	521.71	521.71	521.71
7.750	521.71	521.71	521.71	521.71	521.71
8.000	521.71	521.71	521.71	521.71	521.71
8.250	521.71	521.71	521.71	521.71	521.71
8.500	521.71	521.71	521.71	521.71	521.71
8.750	521.71	521.71	521.71	521.71	521.71
9.000	521.71	521.71	521.71	521.71	521.71
9.250	521.71	521.71	521.71	521.71	521.71
9.500	521.71	521.71	521.71	521.71	521.71
9.750	521.71	521.71	521.71	521.71	521.71
10.000	521.71	521.71	521.71	521.71	521.71
10.250	521.71	521.71	521.71	521.71	521.71
10.500	521.71	521.71	521.71	521.71	521.71
10.750	521.71	521.71	521.71	521.72	521.72
11.000	521.72	521.72	521.72	521.72	521.73

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 3 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.73	521.73	521.73	521.74	521.74
11.500	521.75	521.75	521.76	521.77	521.78
11.750	521.80	521.84	521.89	521.96	522.07
12.000	522.21	522.35	522.48	522.58	522.65
12.250	522.70	522.74	522.77	522.80	522.82
12.500	522.85	522.87	522.89	522.90	522.92
12.750	522.94	522.95	522.97	522.98	522.99
13.000	523.01	523.02	523.03	523.04	523.05
13.250	523.06	523.07	523.08	523.09	523.10
13.500	523.11	523.12	523.13	523.14	523.15
13.750	523.16	523.17	523.18	523.18	523.19
14.000	523.20	523.21	523.21	523.22	523.23
14.250	523.24	523.24	523.25	523.26	523.26
14.500	523.27	523.28	523.28	523.29	523.30
14.750	523.30	523.31	523.32	523.32	523.33
15.000	523.33	523.34	523.35	523.35	523.36
15.250	523.36	523.37	523.37	523.38	523.39
15.500	523.39	523.40	523.40	523.41	523.41
15.750	523.42	523.42	523.43	523.43	523.44
16.000	523.44	523.45	523.45	523.46	523.46
16.250	523.47	523.47	523.47	523.48	523.48
16.500	523.49	523.49	523.50	523.50	523.51
16.750	523.51	523.51	523.52	523.52	523.53
17.000	523.53	523.54	523.54	523.54	523.55
17.250	523.55	523.56	523.56	523.56	523.57
17.500	523.57	523.57	523.57	523.57	523.57
17.750	523.57	523.57	523.57	523.57	523.57
18.000	523.57	523.57	523.57	523.57	523.57
18.250	523.57	523.57	523.57	523.57	523.57
18.500	523.57	523.57	523.57	523.57	523.57
18.750	523.57	523.57	523.57	523.57	523.57
19.000	523.57	523.57	523.57	523.57	523.57
19.250	523.57	523.57	523.57	523.57	523.57
19.500	523.57	523.57	523.57	523.57	523.57
19.750	523.57	523.57	523.57	523.57	523.57
20.000	523.57	523.57	523.57	523.57	523.57
20.250	523.57	523.57	523.57	523.57	523.57
20.500	523.57	523.57	523.57	523.57	523.57
20.750	523.57	523.57	523.57	523.57	523.57
21.000	523.57	523.57	523.57	523.57	523.57
21.250	523.57	523.57	523.57	523.57	523.57
21.500	523.57	523.57	523.57	523.57	523.57
21.750	523.57	523.57	523.57	523.57	523.57
22.000	523.57	523.57	523.57	523.57	523.57
22.250	523.57	523.57	523.57	523.57	523.57

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 3 (OUT)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.57	523.57	523.57	523.57	523.57
22.750	523.57	523.57	523.57	523.57	523.57
23.000	523.57	523.57	523.57	523.57	523.57
23.250	523.57	523.57	523.57	523.57	523.57
23.500	523.57	523.57	523.57	523.57	523.57
23.750	523.57	523.57	523.57	523.57	523.57
24.000	523.57	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 3 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.71	521.71	521.71	521.71	521.71
0.250	521.71	521.71	521.71	521.71	521.71
0.500	521.71	521.71	521.71	521.71	521.71
0.750	521.71	521.71	521.71	521.71	521.71
1.000	521.71	521.71	521.71	521.71	521.71
1.250	521.71	521.71	521.71	521.71	521.71
1.500	521.71	521.71	521.71	521.71	521.71
1.750	521.71	521.71	521.71	521.71	521.71
2.000	521.71	521.71	521.71	521.71	521.71
2.250	521.71	521.71	521.71	521.71	521.71
2.500	521.71	521.71	521.71	521.71	521.71
2.750	521.71	521.71	521.71	521.71	521.71
3.000	521.71	521.71	521.71	521.71	521.71
3.250	521.71	521.71	521.71	521.71	521.71
3.500	521.71	521.71	521.71	521.71	521.71
3.750	521.71	521.71	521.71	521.71	521.71
4.000	521.71	521.71	521.71	521.71	521.71
4.250	521.71	521.71	521.71	521.71	521.71
4.500	521.71	521.71	521.71	521.71	521.71
4.750	521.71	521.71	521.71	521.71	521.71
5.000	521.71	521.71	521.71	521.71	521.71
5.250	521.71	521.71	521.71	521.71	521.71
5.500	521.71	521.71	521.71	521.71	521.71
5.750	521.71	521.71	521.71	521.71	521.71
6.000	521.71	521.71	521.71	521.71	521.71
6.250	521.71	521.71	521.71	521.71	521.71
6.500	521.71	521.71	521.71	521.71	521.71
6.750	521.71	521.71	521.71	521.71	521.71
7.000	521.71	521.71	521.71	521.71	521.71
7.250	521.71	521.71	521.71	521.71	521.71
7.500	521.71	521.71	521.71	521.71	521.71
7.750	521.71	521.71	521.71	521.71	521.71
8.000	521.71	521.71	521.71	521.71	521.71
8.250	521.71	521.71	521.71	521.71	521.71
8.500	521.71	521.71	521.71	521.71	521.71
8.750	521.71	521.71	521.71	521.71	521.71
9.000	521.71	521.71	521.71	521.71	521.71
9.250	521.71	521.71	521.71	521.71	521.71
9.500	521.71	521.71	521.71	521.71	521.71
9.750	521.71	521.71	521.71	521.71	521.71
10.000	521.71	521.71	521.71	521.72	521.72
10.250	521.72	521.72	521.72	521.72	521.72
10.500	521.72	521.73	521.73	521.73	521.73
10.750	521.73	521.74	521.74	521.74	521.75
11.000	521.75	521.75	521.76	521.76	521.77

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 3 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.77	521.78	521.78	521.79	521.80
11.500	521.81	521.82	521.83	521.85	521.87
11.750	521.91	521.96	522.04	522.15	522.31
12.000	522.50	522.70	522.88	523.01	523.11
12.250	523.18	523.23	523.28	523.32	523.35
12.500	523.38	523.41	523.44	523.46	523.48
12.750	523.50	523.52	523.54	523.56	523.57
13.000	523.59	523.59	523.60	523.60	523.60
13.250	523.60	523.60	523.60	523.60	523.60
13.500	523.60	523.60	523.60	523.60	523.60
13.750	523.60	523.60	523.60	523.60	523.59
14.000	523.59	523.59	523.59	523.59	523.59
14.250	523.59	523.59	523.59	523.59	523.59
14.500	523.59	523.59	523.59	523.59	523.59
14.750	523.59	523.59	523.59	523.59	523.59
15.000	523.59	523.59	523.58	523.58	523.58
15.250	523.58	523.58	523.58	523.58	523.58
15.500	523.58	523.58	523.58	523.58	523.58
15.750	523.58	523.58	523.58	523.58	523.58
16.000	523.58	523.58	523.58	523.58	523.58
16.250	523.58	523.58	523.58	523.58	523.58
16.500	523.58	523.58	523.58	523.58	523.58
16.750	523.58	523.58	523.58	523.58	523.58
17.000	523.58	523.58	523.58	523.58	523.58
17.250	523.58	523.58	523.58	523.58	523.58
17.500	523.58	523.58	523.58	523.58	523.58
17.750	523.58	523.58	523.58	523.58	523.58
18.000	523.58	523.58	523.58	523.58	523.58
18.250	523.57	523.57	523.57	523.57	523.57
18.500	523.57	523.57	523.57	523.57	523.57
18.750	523.57	523.57	523.57	523.57	523.57
19.000	523.57	523.57	523.57	523.57	523.57
19.250	523.57	523.57	523.57	523.57	523.57
19.500	523.57	523.57	523.57	523.57	523.57
19.750	523.57	523.57	523.57	523.57	523.57
20.000	523.57	523.57	523.57	523.57	523.57
20.250	523.57	523.57	523.57	523.57	523.57
20.500	523.57	523.57	523.57	523.57	523.57
20.750	523.57	523.57	523.57	523.57	523.57
21.000	523.57	523.57	523.57	523.57	523.57
21.250	523.57	523.57	523.57	523.57	523.57
21.500	523.57	523.57	523.57	523.57	523.57
21.750	523.57	523.57	523.57	523.57	523.57
22.000	523.57	523.57	523.57	523.57	523.57
22.250	523.57	523.57	523.57	523.57	523.57

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 3 (OUT)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.57	523.57	523.57	523.57	523.57
22.750	523.57	523.57	523.57	523.57	523.57
23.000	523.57	523.57	523.57	523.57	523.57
23.250	523.57	523.57	523.57	523.57	523.57
23.500	523.57	523.57	523.57	523.57	523.57
23.750	523.57	523.57	523.57	523.57	523.57
24.000	523.57	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 3 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.71	521.71	521.71	521.71	521.71
0.250	521.71	521.71	521.71	521.71	521.71
0.500	521.71	521.71	521.71	521.71	521.71
0.750	521.71	521.71	521.71	521.71	521.71
1.000	521.71	521.71	521.71	521.71	521.71
1.250	521.71	521.71	521.71	521.71	521.71
1.500	521.71	521.71	521.71	521.71	521.71
1.750	521.71	521.71	521.71	521.71	521.71
2.000	521.71	521.71	521.71	521.71	521.71
2.250	521.71	521.71	521.71	521.71	521.71
2.500	521.71	521.71	521.71	521.71	521.71
2.750	521.71	521.71	521.71	521.71	521.71
3.000	521.71	521.71	521.71	521.71	521.71
3.250	521.71	521.71	521.71	521.71	521.71
3.500	521.71	521.71	521.71	521.71	521.71
3.750	521.71	521.71	521.71	521.71	521.71
4.000	521.71	521.71	521.71	521.71	521.71
4.250	521.71	521.71	521.71	521.71	521.71
4.500	521.71	521.71	521.71	521.71	521.71
4.750	521.71	521.71	521.71	521.71	521.71
5.000	521.71	521.71	521.71	521.71	521.71
5.250	521.71	521.71	521.71	521.71	521.71
5.500	521.71	521.71	521.71	521.71	521.71
5.750	521.71	521.71	521.71	521.71	521.71
6.000	521.71	521.71	521.71	521.71	521.71
6.250	521.71	521.71	521.71	521.71	521.71
6.500	521.71	521.71	521.71	521.71	521.71
6.750	521.71	521.71	521.71	521.71	521.71
7.000	521.71	521.71	521.71	521.71	521.71
7.250	521.71	521.71	521.71	521.71	521.71
7.500	521.71	521.71	521.71	521.71	521.71
7.750	521.71	521.71	521.71	521.71	521.71
8.000	521.71	521.71	521.71	521.71	521.71
8.250	521.71	521.71	521.71	521.71	521.71
8.500	521.71	521.71	521.71	521.71	521.71
8.750	521.71	521.71	521.71	521.71	521.71
9.000	521.71	521.71	521.72	521.72	521.72
9.250	521.72	521.72	521.72	521.72	521.72
9.500	521.72	521.73	521.73	521.73	521.73
9.750	521.73	521.73	521.74	521.74	521.74
10.000	521.74	521.74	521.75	521.75	521.75
10.250	521.76	521.76	521.76	521.77	521.77
10.500	521.77	521.78	521.78	521.79	521.79
10.750	521.80	521.80	521.81	521.82	521.82
11.000	521.83	521.84	521.85	521.86	521.86

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 3 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	521.87	521.89	521.90	521.91	521.92
11.500	521.94	521.96	521.98	522.01	522.05
11.750	522.11	522.19	522.31	522.49	522.72
12.000	523.00	523.29	523.55	523.67	523.66
12.250	523.64	523.63	523.63	523.63	523.62
12.500	523.62	523.62	523.62	523.62	523.62
12.750	523.62	523.61	523.61	523.61	523.61
13.000	523.61	523.61	523.61	523.61	523.61
13.250	523.61	523.61	523.61	523.61	523.61
13.500	523.61	523.61	523.61	523.61	523.61
13.750	523.61	523.61	523.61	523.61	523.61
14.000	523.61	523.60	523.60	523.60	523.60
14.250	523.60	523.60	523.60	523.60	523.60
14.500	523.60	523.60	523.60	523.60	523.60
14.750	523.60	523.60	523.60	523.60	523.60
15.000	523.59	523.59	523.59	523.59	523.59
15.250	523.59	523.59	523.59	523.59	523.59
15.500	523.59	523.59	523.59	523.59	523.59
15.750	523.59	523.59	523.59	523.59	523.59
16.000	523.59	523.59	523.59	523.59	523.59
16.250	523.59	523.59	523.59	523.59	523.58
16.500	523.58	523.58	523.58	523.58	523.58
16.750	523.58	523.58	523.58	523.58	523.58
17.000	523.58	523.58	523.58	523.58	523.58
17.250	523.58	523.58	523.58	523.58	523.58
17.500	523.58	523.58	523.58	523.58	523.58
17.750	523.58	523.58	523.58	523.58	523.58
18.000	523.58	523.58	523.58	523.58	523.58
18.250	523.58	523.58	523.58	523.58	523.58
18.500	523.58	523.58	523.58	523.58	523.58
18.750	523.58	523.58	523.58	523.58	523.58
19.000	523.58	523.58	523.58	523.58	523.58
19.250	523.58	523.58	523.58	523.58	523.58
19.500	523.58	523.58	523.58	523.58	523.58
19.750	523.58	523.58	523.58	523.58	523.58
20.000	523.58	523.58	523.58	523.58	523.57
20.250	523.57	523.57	523.57	523.57	523.57
20.500	523.57	523.57	523.57	523.57	523.57
20.750	523.57	523.57	523.57	523.57	523.57
21.000	523.57	523.57	523.57	523.57	523.57
21.250	523.57	523.57	523.57	523.57	523.57
21.500	523.57	523.57	523.57	523.57	523.57
21.750	523.57	523.57	523.57	523.57	523.57
22.000	523.57	523.57	523.57	523.57	523.57
22.250	523.57	523.57	523.57	523.57	523.57

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 3 (OUT)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.57	523.57	523.57	523.57	523.57
22.750	523.57	523.57	523.57	523.57	523.57
23.000	523.57	523.57	523.57	523.57	523.57
23.250	523.57	523.57	523.57	523.57	523.57
23.500	523.57	523.57	523.57	523.57	523.57
23.750	523.57	523.57	523.57	523.57	523.57
24.000	523.57	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 3 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.71	521.71	521.71	521.71	521.71
0.250	521.71	521.71	521.71	521.71	521.71
0.500	521.71	521.71	521.71	521.71	521.71
0.750	521.71	521.71	521.71	521.71	521.71
1.000	521.71	521.71	521.71	521.71	521.71
1.250	521.71	521.71	521.71	521.71	521.71
1.500	521.71	521.71	521.71	521.71	521.71
1.750	521.71	521.71	521.71	521.71	521.71
2.000	521.71	521.71	521.71	521.71	521.71
2.250	521.71	521.71	521.71	521.71	521.71
2.500	521.71	521.71	521.71	521.71	521.71
2.750	521.71	521.71	521.71	521.71	521.71
3.000	521.71	521.71	521.71	521.71	521.71
3.250	521.71	521.71	521.71	521.71	521.71
3.500	521.71	521.71	521.71	521.71	521.71
3.750	521.71	521.71	521.71	521.71	521.71
4.000	521.71	521.71	521.71	521.71	521.71
4.250	521.71	521.71	521.71	521.71	521.71
4.500	521.71	521.71	521.71	521.71	521.71
4.750	521.71	521.71	521.71	521.71	521.71
5.000	521.71	521.71	521.71	521.71	521.71
5.250	521.71	521.71	521.71	521.71	521.71
5.500	521.71	521.71	521.71	521.71	521.71
5.750	521.71	521.71	521.71	521.71	521.71
6.000	521.71	521.71	521.71	521.71	521.71
6.250	521.71	521.71	521.71	521.71	521.71
6.500	521.71	521.71	521.71	521.71	521.71
6.750	521.71	521.71	521.71	521.71	521.71
7.000	521.71	521.71	521.71	521.71	521.71
7.250	521.71	521.71	521.71	521.71	521.71
7.500	521.71	521.71	521.71	521.71	521.71
7.750	521.71	521.71	521.71	521.71	521.71
8.000	521.71	521.71	521.71	521.71	521.71
8.250	521.71	521.72	521.72	521.72	521.72
8.500	521.72	521.72	521.72	521.72	521.72
8.750	521.72	521.73	521.73	521.73	521.73
9.000	521.73	521.73	521.74	521.74	521.74
9.250	521.74	521.75	521.75	521.75	521.75
9.500	521.76	521.76	521.76	521.77	521.77
9.750	521.77	521.78	521.78	521.78	521.79
10.000	521.79	521.79	521.80	521.80	521.81
10.250	521.81	521.82	521.82	521.83	521.84
10.500	521.84	521.85	521.86	521.87	521.87
10.750	521.88	521.89	521.90	521.91	521.92
11.000	521.93	521.94	521.96	521.97	521.98

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 3 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	522.00	522.01	522.03	522.05	522.07
11.500	522.09	522.12	522.14	522.18	522.24
11.750	522.32	522.44	522.60	522.83	523.14
12.000	523.50	523.72	523.72	523.69	523.68
12.250	523.65	523.64	523.64	523.63	523.63
12.500	523.63	523.62	523.62	523.62	523.62
12.750	523.62	523.62	523.62	523.62	523.62
13.000	523.62	523.62	523.61	523.61	523.61
13.250	523.61	523.61	523.61	523.61	523.61
13.500	523.61	523.61	523.61	523.61	523.61
13.750	523.61	523.61	523.61	523.61	523.61
14.000	523.61	523.61	523.61	523.61	523.61
14.250	523.61	523.61	523.61	523.61	523.61
14.500	523.61	523.61	523.61	523.61	523.61
14.750	523.60	523.60	523.60	523.60	523.60
15.000	523.60	523.60	523.60	523.60	523.60
15.250	523.60	523.60	523.60	523.60	523.60
15.500	523.60	523.60	523.60	523.60	523.60
15.750	523.60	523.60	523.60	523.59	523.59
16.000	523.59	523.59	523.59	523.59	523.59
16.250	523.59	523.59	523.59	523.59	523.59
16.500	523.59	523.59	523.59	523.59	523.59
16.750	523.59	523.59	523.59	523.59	523.59
17.000	523.59	523.59	523.59	523.59	523.59
17.250	523.59	523.59	523.59	523.59	523.59
17.500	523.59	523.59	523.59	523.59	523.59
17.750	523.59	523.59	523.59	523.59	523.59
18.000	523.59	523.59	523.59	523.58	523.58
18.250	523.58	523.58	523.58	523.58	523.58
18.500	523.58	523.58	523.58	523.58	523.58
18.750	523.58	523.58	523.58	523.58	523.58
19.000	523.58	523.58	523.58	523.58	523.58
19.250	523.58	523.58	523.58	523.58	523.58
19.500	523.58	523.58	523.58	523.58	523.58
19.750	523.58	523.58	523.58	523.58	523.58
20.000	523.58	523.58	523.58	523.58	523.58
20.250	523.58	523.58	523.58	523.58	523.58
20.500	523.58	523.58	523.58	523.58	523.58
20.750	523.58	523.58	523.58	523.58	523.58
21.000	523.58	523.58	523.58	523.58	523.58
21.250	523.58	523.58	523.58	523.58	523.58
21.500	523.58	523.58	523.58	523.58	523.58
21.750	523.58	523.58	523.58	523.58	523.58
22.000	523.58	523.58	523.58	523.58	523.58
22.250	523.58	523.58	523.58	523.58	523.58

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 3 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.58	523.58	523.58	523.58	523.58
22.750	523.58	523.58	523.58	523.58	523.58
23.000	523.58	523.58	523.58	523.58	523.58
23.250	523.58	523.58	523.58	523.58	523.58
23.500	523.58	523.58	523.58	523.58	523.58
23.750	523.58	523.58	523.58	523.58	523.58
24.000	523.58	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 3 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.71	521.71	521.71	521.71	521.71
0.250	521.71	521.71	521.71	521.71	521.71
0.500	521.71	521.71	521.71	521.71	521.71
0.750	521.71	521.71	521.71	521.71	521.71
1.000	521.71	521.71	521.71	521.71	521.71
1.250	521.71	521.71	521.71	521.71	521.71
1.500	521.71	521.71	521.71	521.71	521.71
1.750	521.71	521.71	521.71	521.71	521.71
2.000	521.71	521.71	521.71	521.71	521.71
2.250	521.71	521.71	521.71	521.71	521.71
2.500	521.71	521.71	521.71	521.71	521.71
2.750	521.71	521.71	521.71	521.71	521.71
3.000	521.71	521.71	521.71	521.71	521.71
3.250	521.71	521.71	521.71	521.71	521.71
3.500	521.71	521.71	521.71	521.71	521.71
3.750	521.71	521.71	521.71	521.71	521.71
4.000	521.71	521.71	521.71	521.71	521.71
4.250	521.71	521.71	521.71	521.71	521.71
4.500	521.71	521.71	521.71	521.71	521.71
4.750	521.71	521.71	521.71	521.71	521.71
5.000	521.71	521.71	521.71	521.71	521.71
5.250	521.71	521.71	521.71	521.71	521.71
5.500	521.71	521.71	521.71	521.71	521.71
5.750	521.71	521.71	521.71	521.71	521.71
6.000	521.71	521.71	521.71	521.71	521.71
6.250	521.71	521.71	521.71	521.71	521.71
6.500	521.71	521.71	521.71	521.71	521.71
6.750	521.71	521.71	521.71	521.71	521.71
7.000	521.71	521.71	521.71	521.71	521.71
7.250	521.72	521.72	521.72	521.72	521.72
7.500	521.72	521.72	521.72	521.72	521.73
7.750	521.73	521.73	521.73	521.73	521.73
8.000	521.73	521.74	521.74	521.74	521.74
8.250	521.74	521.75	521.75	521.75	521.75
8.500	521.76	521.76	521.76	521.76	521.77
8.750	521.77	521.77	521.78	521.78	521.79
9.000	521.79	521.79	521.80	521.80	521.81
9.250	521.81	521.82	521.82	521.83	521.83
9.500	521.84	521.84	521.85	521.85	521.86
9.750	521.87	521.87	521.88	521.89	521.89
10.000	521.90	521.91	521.91	521.92	521.93
10.250	521.94	521.95	521.96	521.97	521.98
10.500	521.99	522.00	522.01	522.03	522.04
10.750	522.05	522.07	522.08	522.10	522.12
11.000	522.13	522.15	522.17	522.19	522.21

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 3 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	522.24	522.26	522.29	522.32	522.35
11.500	522.38	522.41	522.46	522.52	522.60
11.750	522.72	522.89	523.12	523.44	523.71
12.000	523.76	523.74	523.74	523.71	523.70
12.250	523.67	523.66	523.65	523.64	523.64
12.500	523.63	523.63	523.63	523.63	523.62
12.750	523.62	523.62	523.62	523.62	523.62
13.000	523.62	523.62	523.62	523.62	523.62
13.250	523.62	523.62	523.62	523.62	523.62
13.500	523.62	523.61	523.61	523.61	523.61
13.750	523.61	523.61	523.61	523.61	523.61
14.000	523.61	523.61	523.61	523.61	523.61
14.250	523.61	523.61	523.61	523.61	523.61
14.500	523.61	523.61	523.61	523.61	523.61
14.750	523.61	523.61	523.61	523.61	523.61
15.000	523.61	523.61	523.61	523.61	523.61
15.250	523.61	523.61	523.61	523.61	523.61
15.500	523.61	523.61	523.61	523.61	523.61
15.750	523.61	523.61	523.61	523.60	523.60
16.000	523.60	523.60	523.60	523.60	523.60
16.250	523.60	523.60	523.60	523.60	523.60
16.500	523.60	523.60	523.60	523.60	523.60
16.750	523.60	523.60	523.60	523.60	523.60
17.000	523.60	523.60	523.60	523.60	523.60
17.250	523.60	523.60	523.60	523.60	523.60
17.500	523.59	523.59	523.59	523.59	523.59
17.750	523.59	523.59	523.59	523.59	523.59
18.000	523.59	523.59	523.59	523.59	523.59
18.250	523.59	523.59	523.59	523.59	523.59
18.500	523.59	523.59	523.59	523.59	523.59
18.750	523.59	523.59	523.59	523.59	523.59
19.000	523.59	523.59	523.59	523.59	523.59
19.250	523.59	523.59	523.59	523.59	523.59
19.500	523.59	523.59	523.59	523.59	523.59
19.750	523.59	523.59	523.58	523.58	523.58
20.000	523.58	523.58	523.58	523.58	523.58
20.250	523.58	523.58	523.58	523.58	523.58
20.500	523.58	523.58	523.58	523.58	523.58
20.750	523.58	523.58	523.58	523.58	523.58
21.000	523.58	523.58	523.58	523.58	523.58
21.250	523.58	523.58	523.58	523.58	523.58
21.500	523.58	523.58	523.58	523.58	523.58
21.750	523.58	523.58	523.58	523.58	523.58
22.000	523.58	523.58	523.58	523.58	523.58
22.250	523.58	523.58	523.58	523.58	523.58

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 3 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.58	523.58	523.58	523.58	523.58
22.750	523.58	523.58	523.58	523.58	523.58
23.000	523.58	523.58	523.58	523.58	523.58
23.250	523.58	523.58	523.58	523.58	523.58
23.500	523.58	523.58	523.58	523.58	523.58
23.750	523.58	523.58	523.58	523.58	523.58
24.000	523.58	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 3 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.71	521.71	521.71	521.71	521.71
0.250	521.71	521.71	521.71	521.71	521.71
0.500	521.71	521.71	521.71	521.71	521.71
0.750	521.71	521.71	521.71	521.71	521.71
1.000	521.71	521.71	521.71	521.71	521.71
1.250	521.71	521.71	521.71	521.71	521.71
1.500	521.71	521.71	521.71	521.71	521.71
1.750	521.71	521.71	521.71	521.71	521.71
2.000	521.71	521.71	521.71	521.71	521.71
2.250	521.71	521.71	521.71	521.71	521.71
2.500	521.71	521.71	521.71	521.71	521.71
2.750	521.71	521.71	521.71	521.71	521.71
3.000	521.71	521.71	521.71	521.71	521.71
3.250	521.71	521.71	521.71	521.71	521.71
3.500	521.71	521.71	521.71	521.71	521.71
3.750	521.71	521.71	521.71	521.71	521.71
4.000	521.71	521.71	521.71	521.71	521.71
4.250	521.71	521.71	521.71	521.71	521.71
4.500	521.71	521.71	521.71	521.71	521.71
4.750	521.71	521.71	521.71	521.71	521.71
5.000	521.71	521.71	521.71	521.71	521.71
5.250	521.71	521.71	521.71	521.71	521.71
5.500	521.71	521.71	521.71	521.71	521.71
5.750	521.71	521.71	521.71	521.71	521.71
6.000	521.71	521.71	521.71	521.71	521.71
6.250	521.71	521.71	521.71	521.71	521.71
6.500	521.72	521.72	521.72	521.72	521.72
6.750	521.72	521.72	521.72	521.72	521.73
7.000	521.73	521.73	521.73	521.73	521.73
7.250	521.74	521.74	521.74	521.74	521.75
7.500	521.75	521.75	521.75	521.76	521.76
7.750	521.76	521.76	521.77	521.77	521.77
8.000	521.78	521.78	521.78	521.79	521.79
8.250	521.79	521.80	521.80	521.80	521.81
8.500	521.81	521.82	521.82	521.83	521.83
8.750	521.84	521.84	521.85	521.86	521.86
9.000	521.87	521.87	521.88	521.89	521.90
9.250	521.90	521.91	521.92	521.93	521.93
9.500	521.94	521.95	521.96	521.97	521.97
9.750	521.98	521.99	522.00	522.01	522.02
10.000	522.03	522.04	522.06	522.07	522.08
10.250	522.09	522.10	522.12	522.13	522.15
10.500	522.16	522.18	522.20	522.21	522.23
10.750	522.25	522.27	522.29	522.31	522.34
11.000	522.36	522.38	522.41	522.44	522.47

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 3 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	522.50	522.53	522.57	522.61	522.65
11.500	522.69	522.74	522.80	522.87	522.98
11.750	523.14	523.36	523.63	523.75	523.75
12.000	523.77	523.76	523.75	523.73	523.71
12.250	523.69	523.67	523.66	523.65	523.64
12.500	523.64	523.64	523.63	523.63	523.63
12.750	523.63	523.63	523.62	523.62	523.62
13.000	523.62	523.62	523.62	523.62	523.62
13.250	523.62	523.62	523.62	523.62	523.62
13.500	523.62	523.62	523.62	523.62	523.62
13.750	523.62	523.62	523.62	523.62	523.61
14.000	523.61	523.61	523.61	523.61	523.61
14.250	523.61	523.61	523.61	523.61	523.61
14.500	523.61	523.61	523.61	523.61	523.61
14.750	523.61	523.61	523.61	523.61	523.61
15.000	523.61	523.61	523.61	523.61	523.61
15.250	523.61	523.61	523.61	523.61	523.61
15.500	523.61	523.61	523.61	523.61	523.61
15.750	523.61	523.61	523.61	523.61	523.61
16.000	523.61	523.61	523.61	523.61	523.61
16.250	523.61	523.61	523.61	523.61	523.61
16.500	523.61	523.61	523.61	523.61	523.61
16.750	523.61	523.61	523.61	523.61	523.60
17.000	523.60	523.60	523.60	523.60	523.60
17.250	523.60	523.60	523.60	523.60	523.60
17.500	523.60	523.60	523.60	523.60	523.60
17.750	523.60	523.60	523.60	523.60	523.60
18.000	523.60	523.60	523.60	523.60	523.60
18.250	523.60	523.60	523.60	523.60	523.60
18.500	523.60	523.60	523.60	523.60	523.60
18.750	523.60	523.60	523.60	523.59	523.59
19.000	523.59	523.59	523.59	523.59	523.59
19.250	523.59	523.59	523.59	523.59	523.59
19.500	523.59	523.59	523.59	523.59	523.59
19.750	523.59	523.59	523.59	523.59	523.59
20.000	523.59	523.59	523.59	523.59	523.59
20.250	523.59	523.59	523.59	523.59	523.59
20.500	523.59	523.59	523.59	523.59	523.59
20.750	523.59	523.59	523.59	523.59	523.59
21.000	523.59	523.59	523.59	523.59	523.59
21.250	523.59	523.59	523.59	523.59	523.59
21.500	523.59	523.59	523.59	523.59	523.59
21.750	523.59	523.59	523.59	523.59	523.59
22.000	523.59	523.59	523.59	523.59	523.59
22.250	523.59	523.59	523.59	523.59	523.59

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 3 (OUT)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.59	523.59	523.59	523.59	523.59
22.750	523.59	523.58	523.58	523.58	523.58
23.000	523.58	523.58	523.58	523.58	523.58
23.250	523.58	523.58	523.58	523.58	523.58
23.500	523.58	523.58	523.58	523.58	523.58
23.750	523.58	523.58	523.58	523.58	523.58
24.000	523.58	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 3 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	521.71	521.71	521.71	521.71	521.71
0.250	521.71	521.71	521.71	521.71	521.71
0.500	521.71	521.71	521.71	521.71	521.71
0.750	521.71	521.71	521.71	521.71	521.71
1.000	521.71	521.71	521.71	521.71	521.71
1.250	521.71	521.71	521.71	521.71	521.71
1.500	521.71	521.71	521.71	521.71	521.71
1.750	521.71	521.71	521.71	521.71	521.71
2.000	521.71	521.71	521.71	521.71	521.71
2.250	521.71	521.71	521.71	521.71	521.71
2.500	521.71	521.71	521.71	521.71	521.71
2.750	521.71	521.71	521.71	521.71	521.71
3.000	521.71	521.71	521.71	521.71	521.71
3.250	521.71	521.71	521.71	521.71	521.71
3.500	521.71	521.71	521.71	521.71	521.71
3.750	521.71	521.71	521.71	521.71	521.71
4.000	521.71	521.71	521.71	521.71	521.71
4.250	521.71	521.71	521.71	521.71	521.71
4.500	521.71	521.71	521.71	521.71	521.71
4.750	521.71	521.71	521.71	521.71	521.71
5.000	521.71	521.71	521.71	521.71	521.71
5.250	521.71	521.71	521.71	521.71	521.71
5.500	521.71	521.71	521.71	521.71	521.71
5.750	521.72	521.72	521.72	521.72	521.72
6.000	521.72	521.72	521.72	521.72	521.73
6.250	521.73	521.73	521.73	521.73	521.74
6.500	521.74	521.74	521.74	521.74	521.75
6.750	521.75	521.75	521.76	521.76	521.76
7.000	521.76	521.77	521.77	521.77	521.78
7.250	521.78	521.78	521.79	521.79	521.80
7.500	521.80	521.80	521.81	521.81	521.82
7.750	521.82	521.83	521.83	521.84	521.84
8.000	521.85	521.85	521.86	521.86	521.87
8.250	521.87	521.88	521.89	521.89	521.90
8.500	521.91	521.91	521.92	521.93	521.94
8.750	521.94	521.95	521.96	521.97	521.98
9.000	521.99	522.00	522.01	522.02	522.03
9.250	522.04	522.05	522.06	522.07	522.08
9.500	522.10	522.11	522.12	522.13	522.14
9.750	522.16	522.17	522.18	522.20	522.21
10.000	522.22	522.24	522.26	522.27	522.29
10.250	522.31	522.32	522.34	522.36	522.38
10.500	522.40	522.43	522.45	522.47	522.50
10.750	522.52	522.55	522.58	522.61	522.64
11.000	522.67	522.70	522.74	522.77	522.81

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 3 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	522.86	522.90	522.95	523.00	523.05
11.500	523.11	523.17	523.25	523.35	523.49
11.750	523.64	523.72	523.73	523.76	523.78
12.000	523.79	523.79	523.77	523.74	523.72
12.250	523.70	523.68	523.67	523.66	523.65
12.500	523.65	523.64	523.64	523.64	523.63
12.750	523.63	523.63	523.63	523.63	523.63
13.000	523.63	523.63	523.63	523.62	523.62
13.250	523.62	523.62	523.62	523.62	523.62
13.500	523.62	523.62	523.62	523.62	523.62
13.750	523.62	523.62	523.62	523.62	523.62
14.000	523.62	523.62	523.62	523.62	523.62
14.250	523.62	523.62	523.62	523.62	523.62
14.500	523.61	523.61	523.61	523.61	523.61
14.750	523.61	523.61	523.61	523.61	523.61
15.000	523.61	523.61	523.61	523.61	523.61
15.250	523.61	523.61	523.61	523.61	523.61
15.500	523.61	523.61	523.61	523.61	523.61
15.750	523.61	523.61	523.61	523.61	523.61
16.000	523.61	523.61	523.61	523.61	523.61
16.250	523.61	523.61	523.61	523.61	523.61
16.500	523.61	523.61	523.61	523.61	523.61
16.750	523.61	523.61	523.61	523.61	523.61
17.000	523.61	523.61	523.61	523.61	523.61
17.250	523.61	523.61	523.61	523.61	523.61
17.500	523.61	523.61	523.61	523.61	523.61
17.750	523.61	523.61	523.61	523.61	523.61
18.000	523.61	523.61	523.61	523.61	523.61
18.250	523.61	523.61	523.61	523.60	523.60
18.500	523.60	523.60	523.60	523.60	523.60
18.750	523.60	523.60	523.60	523.60	523.60
19.000	523.60	523.60	523.60	523.60	523.60
19.250	523.60	523.60	523.60	523.60	523.60
19.500	523.60	523.60	523.60	523.60	523.60
19.750	523.60	523.60	523.60	523.60	523.60
20.000	523.59	523.59	523.59	523.59	523.59
20.250	523.59	523.59	523.59	523.59	523.59
20.500	523.59	523.59	523.59	523.59	523.59
20.750	523.59	523.59	523.59	523.59	523.59
21.000	523.59	523.59	523.59	523.59	523.59
21.250	523.59	523.59	523.59	523.59	523.59
21.500	523.59	523.59	523.59	523.59	523.59
21.750	523.59	523.59	523.59	523.59	523.59
22.000	523.59	523.59	523.59	523.59	523.59
22.250	523.59	523.59	523.59	523.59	523.59

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 3 (OUT)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	523.59	523.59	523.59	523.59	523.59
22.750	523.59	523.59	523.59	523.59	523.59
23.000	523.59	523.59	523.59	523.59	523.59
23.250	523.59	523.59	523.59	523.59	523.59
23.500	523.59	523.59	523.59	523.59	523.59
23.750	523.59	523.59	523.59	523.59	523.59
24.000	523.59	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 4 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.35	520.35	520.35	520.35	520.35
0.250	520.35	520.35	520.35	520.35	520.35
0.500	520.35	520.35	520.35	520.35	520.35
0.750	520.35	520.35	520.35	520.35	520.35
1.000	520.35	520.35	520.35	520.35	520.35
1.250	520.35	520.35	520.35	520.35	520.35
1.500	520.35	520.35	520.35	520.35	520.35
1.750	520.35	520.35	520.35	520.35	520.35
2.000	520.35	520.35	520.35	520.35	520.35
2.250	520.35	520.35	520.35	520.35	520.35
2.500	520.35	520.35	520.35	520.35	520.35
2.750	520.35	520.35	520.35	520.35	520.35
3.000	520.35	520.35	520.35	520.35	520.35
3.250	520.35	520.35	520.35	520.35	520.35
3.500	520.35	520.35	520.35	520.35	520.35
3.750	520.35	520.35	520.35	520.35	520.35
4.000	520.35	520.35	520.35	520.35	520.35
4.250	520.35	520.35	520.35	520.35	520.35
4.500	520.35	520.35	520.35	520.35	520.35
4.750	520.35	520.35	520.35	520.35	520.35
5.000	520.35	520.35	520.35	520.35	520.35
5.250	520.35	520.35	520.35	520.35	520.35
5.500	520.35	520.35	520.35	520.35	520.35
5.750	520.35	520.35	520.35	520.35	520.35
6.000	520.35	520.35	520.35	520.35	520.35
6.250	520.35	520.35	520.35	520.35	520.35
6.500	520.35	520.35	520.35	520.35	520.35
6.750	520.35	520.35	520.35	520.35	520.35
7.000	520.35	520.35	520.35	520.35	520.35
7.250	520.35	520.35	520.35	520.35	520.35
7.500	520.35	520.35	520.35	520.35	520.35
7.750	520.35	520.35	520.35	520.35	520.35
8.000	520.35	520.35	520.35	520.35	520.35
8.250	520.35	520.35	520.35	520.35	520.35
8.500	520.35	520.35	520.35	520.35	520.35
8.750	520.35	520.35	520.35	520.35	520.35
9.000	520.35	520.35	520.35	520.35	520.35
9.250	520.35	520.35	520.35	520.35	520.35
9.500	520.35	520.35	520.35	520.35	520.35
9.750	520.35	520.35	520.35	520.35	520.35
10.000	520.35	520.35	520.35	520.35	520.35
10.250	520.35	520.35	520.35	520.35	520.35
10.500	520.35	520.35	520.35	520.35	520.36
10.750	520.36	520.36	520.36	520.36	520.36
11.000	520.36	520.36	520.37	520.37	520.37

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 4 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.37	520.37	520.38	520.38	520.38
11.500	520.39	520.39	520.40	520.41	520.42
11.750	520.45	520.48	520.53	520.61	520.71
12.000	520.82	520.92	520.96	520.96	520.95
12.250	520.94	520.92	520.92	520.91	520.90
12.500	520.90	520.89	520.89	520.88	520.88
12.750	520.88	520.88	520.88	520.88	520.87
13.000	520.87	520.87	520.87	520.87	520.87
13.250	520.87	520.87	520.87	520.87	520.87
13.500	520.87	520.87	520.87	520.87	520.87
13.750	520.87	520.87	520.86	520.86	520.86
14.000	520.86	520.86	520.86	520.86	520.86
14.250	520.86	520.86	520.86	520.86	520.86
14.500	520.86	520.86	520.86	520.86	520.86
14.750	520.86	520.86	520.86	520.86	520.86
15.000	520.86	520.86	520.86	520.86	520.86
15.250	520.86	520.86	520.86	520.86	520.86
15.500	520.86	520.86	520.86	520.86	520.86
15.750	520.86	520.86	520.86	520.86	520.86
16.000	520.86	520.86	520.86	520.86	520.86
16.250	520.86	520.86	520.86	520.86	520.86
16.500	520.86	520.86	520.86	520.86	520.86
16.750	520.86	520.86	520.86	520.86	520.86
17.000	520.86	520.86	520.86	520.86	520.86
17.250	520.86	520.86	520.86	520.86	520.86
17.500	520.86	520.86	520.86	520.86	520.86
17.750	520.86	520.86	520.86	520.86	520.86
18.000	520.86	520.86	520.86	520.86	520.86
18.250	520.86	520.86	520.86	520.86	520.86
18.500	520.86	520.86	520.86	520.86	520.86
18.750	520.86	520.86	520.86	520.86	520.86
19.000	520.86	520.86	520.86	520.86	520.86
19.250	520.86	520.86	520.86	520.86	520.86
19.500	520.86	520.86	520.86	520.86	520.86
19.750	520.86	520.86	520.85	520.85	520.85
20.000	520.85	520.85	520.85	520.85	520.85
20.250	520.85	520.85	520.85	520.85	520.85
20.500	520.85	520.85	520.85	520.85	520.85
20.750	520.85	520.85	520.85	520.85	520.85
21.000	520.85	520.85	520.85	520.85	520.85
21.250	520.85	520.85	520.85	520.85	520.85
21.500	520.85	520.85	520.85	520.85	520.85
21.750	520.85	520.85	520.85	520.85	520.85
22.000	520.85	520.85	520.85	520.85	520.85
22.250	520.85	520.85	520.85	520.85	520.85

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 1 years

Label: Trench 4 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.85	520.85	520.85	520.85	520.85
22.750	520.85	520.85	520.85	520.85	520.85
23.000	520.85	520.85	520.85	520.85	520.85
23.250	520.85	520.85	520.85	520.85	520.85
23.500	520.85	520.85	520.85	520.85	520.85
23.750	520.85	520.85	520.85	520.85	520.85
24.000	520.85	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 4 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.35	520.35	520.35	520.35	520.35
0.250	520.35	520.35	520.35	520.35	520.35
0.500	520.35	520.35	520.35	520.35	520.35
0.750	520.35	520.35	520.35	520.35	520.35
1.000	520.35	520.35	520.35	520.35	520.35
1.250	520.35	520.35	520.35	520.35	520.35
1.500	520.35	520.35	520.35	520.35	520.35
1.750	520.35	520.35	520.35	520.35	520.35
2.000	520.35	520.35	520.35	520.35	520.35
2.250	520.35	520.35	520.35	520.35	520.35
2.500	520.35	520.35	520.35	520.35	520.35
2.750	520.35	520.35	520.35	520.35	520.35
3.000	520.35	520.35	520.35	520.35	520.35
3.250	520.35	520.35	520.35	520.35	520.35
3.500	520.35	520.35	520.35	520.35	520.35
3.750	520.35	520.35	520.35	520.35	520.35
4.000	520.35	520.35	520.35	520.35	520.35
4.250	520.35	520.35	520.35	520.35	520.35
4.500	520.35	520.35	520.35	520.35	520.35
4.750	520.35	520.35	520.35	520.35	520.35
5.000	520.35	520.35	520.35	520.35	520.35
5.250	520.35	520.35	520.35	520.35	520.35
5.500	520.35	520.35	520.35	520.35	520.35
5.750	520.35	520.35	520.35	520.35	520.35
6.000	520.35	520.35	520.35	520.35	520.35
6.250	520.35	520.35	520.35	520.35	520.35
6.500	520.35	520.35	520.35	520.35	520.35
6.750	520.35	520.35	520.35	520.35	520.35
7.000	520.35	520.35	520.35	520.35	520.35
7.250	520.35	520.35	520.35	520.35	520.35
7.500	520.35	520.35	520.35	520.35	520.35
7.750	520.35	520.35	520.35	520.35	520.35
8.000	520.35	520.35	520.35	520.35	520.35
8.250	520.35	520.35	520.35	520.35	520.35
8.500	520.35	520.35	520.35	520.35	520.35
8.750	520.35	520.35	520.35	520.35	520.35
9.000	520.35	520.35	520.35	520.35	520.35
9.250	520.35	520.35	520.35	520.35	520.35
9.500	520.35	520.35	520.35	520.35	520.35
9.750	520.35	520.35	520.35	520.35	520.35
10.000	520.36	520.36	520.36	520.36	520.36
10.250	520.36	520.36	520.36	520.36	520.36
10.500	520.37	520.37	520.37	520.37	520.37
10.750	520.38	520.38	520.38	520.38	520.39
11.000	520.39	520.39	520.40	520.40	520.41

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 2 years

Label: Trench 4 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.41	520.42	520.42	520.43	520.43
11.500	520.44	520.45	520.46	520.48	520.50
11.750	520.54	520.59	520.66	520.77	520.90
12.000	520.99	521.01	520.99	520.97	520.95
12.250	520.95	520.94	520.93	520.92	520.92
12.500	520.91	520.90	520.90	520.90	520.89
12.750	520.89	520.89	520.89	520.88	520.88
13.000	520.88	520.88	520.88	520.88	520.88
13.250	520.88	520.88	520.87	520.87	520.87
13.500	520.87	520.87	520.87	520.87	520.87
13.750	520.87	520.87	520.87	520.87	520.87
14.000	520.87	520.87	520.87	520.87	520.87
14.250	520.87	520.87	520.87	520.87	520.87
14.500	520.87	520.87	520.87	520.86	520.86
14.750	520.86	520.86	520.86	520.86	520.86
15.000	520.86	520.86	520.86	520.86	520.86
15.250	520.86	520.86	520.86	520.86	520.86
15.500	520.86	520.86	520.86	520.86	520.86
15.750	520.86	520.86	520.86	520.86	520.86
16.000	520.86	520.86	520.86	520.86	520.86
16.250	520.86	520.86	520.86	520.86	520.86
16.500	520.86	520.86	520.86	520.86	520.86
16.750	520.86	520.86	520.86	520.86	520.86
17.000	520.86	520.86	520.86	520.86	520.86
17.250	520.86	520.86	520.86	520.86	520.86
17.500	520.86	520.86	520.86	520.86	520.86
17.750	520.86	520.86	520.86	520.86	520.86
18.000	520.86	520.86	520.86	520.86	520.86
18.250	520.86	520.86	520.86	520.86	520.86
18.500	520.86	520.86	520.86	520.86	520.86
18.750	520.86	520.86	520.86	520.86	520.86
19.000	520.86	520.86	520.86	520.86	520.86
19.250	520.86	520.86	520.86	520.86	520.86
19.500	520.86	520.86	520.86	520.86	520.86
19.750	520.86	520.86	520.86	520.86	520.86
20.000	520.86	520.86	520.86	520.86	520.86
20.250	520.86	520.86	520.86	520.86	520.86
20.500	520.86	520.86	520.86	520.86	520.86
20.750	520.86	520.86	520.86	520.86	520.86
21.000	520.86	520.86	520.86	520.86	520.86
21.250	520.86	520.86	520.86	520.86	520.86
21.500	520.86	520.86	520.86	520.86	520.86
21.750	520.86	520.86	520.86	520.86	520.86
22.000	520.86	520.86	520.86	520.86	520.86
22.250	520.86	520.86	520.86	520.86	520.86

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 4 (OUT)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.86	520.86	520.86	520.86	520.86
22.750	520.86	520.86	520.86	520.86	520.86
23.000	520.86	520.86	520.86	520.86	520.86
23.250	520.86	520.86	520.86	520.86	520.86
23.500	520.86	520.86	520.86	520.86	520.86
23.750	520.86	520.86	520.86	520.86	520.86
24.000	520.86	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 4 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.35	520.35	520.35	520.35	520.35
0.250	520.35	520.35	520.35	520.35	520.35
0.500	520.35	520.35	520.35	520.35	520.35
0.750	520.35	520.35	520.35	520.35	520.35
1.000	520.35	520.35	520.35	520.35	520.35
1.250	520.35	520.35	520.35	520.35	520.35
1.500	520.35	520.35	520.35	520.35	520.35
1.750	520.35	520.35	520.35	520.35	520.35
2.000	520.35	520.35	520.35	520.35	520.35
2.250	520.35	520.35	520.35	520.35	520.35
2.500	520.35	520.35	520.35	520.35	520.35
2.750	520.35	520.35	520.35	520.35	520.35
3.000	520.35	520.35	520.35	520.35	520.35
3.250	520.35	520.35	520.35	520.35	520.35
3.500	520.35	520.35	520.35	520.35	520.35
3.750	520.35	520.35	520.35	520.35	520.35
4.000	520.35	520.35	520.35	520.35	520.35
4.250	520.35	520.35	520.35	520.35	520.35
4.500	520.35	520.35	520.35	520.35	520.35
4.750	520.35	520.35	520.35	520.35	520.35
5.000	520.35	520.35	520.35	520.35	520.35
5.250	520.35	520.35	520.35	520.35	520.35
5.500	520.35	520.35	520.35	520.35	520.35
5.750	520.35	520.35	520.35	520.35	520.35
6.000	520.35	520.35	520.35	520.35	520.35
6.250	520.35	520.35	520.35	520.35	520.35
6.500	520.35	520.35	520.35	520.35	520.35
6.750	520.35	520.35	520.35	520.35	520.35
7.000	520.35	520.35	520.35	520.35	520.35
7.250	520.35	520.35	520.35	520.35	520.35
7.500	520.35	520.35	520.35	520.35	520.35
7.750	520.35	520.35	520.35	520.35	520.35
8.000	520.35	520.35	520.35	520.35	520.35
8.250	520.35	520.35	520.35	520.35	520.35
8.500	520.35	520.35	520.35	520.35	520.35
8.750	520.35	520.35	520.35	520.35	520.35
9.000	520.36	520.36	520.36	520.36	520.36
9.250	520.36	520.36	520.36	520.36	520.37
9.500	520.37	520.37	520.37	520.37	520.37
9.750	520.37	520.38	520.38	520.38	520.38
10.000	520.38	520.39	520.39	520.39	520.39
10.250	520.40	520.40	520.40	520.40	520.41
10.500	520.41	520.41	520.42	520.42	520.43
10.750	520.43	520.44	520.44	520.45	520.45
11.000	520.46	520.46	520.47	520.48	520.49

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 5 years

Label: Trench 4 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.50	520.50	520.51	520.52	520.54
11.500	520.55	520.56	520.58	520.61	520.65
11.750	520.71	520.79	520.89	520.99	521.04
12.000	521.05	521.04	521.01	520.98	520.96
12.250	520.95	520.95	520.95	520.94	520.93
12.500	520.93	520.92	520.92	520.91	520.91
12.750	520.90	520.90	520.90	520.90	520.89
13.000	520.89	520.89	520.89	520.89	520.89
13.250	520.89	520.88	520.88	520.88	520.88
13.500	520.88	520.88	520.88	520.88	520.88
13.750	520.88	520.88	520.88	520.88	520.88
14.000	520.87	520.87	520.87	520.87	520.87
14.250	520.87	520.87	520.87	520.87	520.87
14.500	520.87	520.87	520.87	520.87	520.87
14.750	520.87	520.87	520.87	520.87	520.87
15.000	520.87	520.87	520.87	520.87	520.87
15.250	520.87	520.87	520.87	520.87	520.87
15.500	520.87	520.87	520.87	520.87	520.87
15.750	520.87	520.87	520.87	520.87	520.87
16.000	520.86	520.86	520.86	520.86	520.86
16.250	520.86	520.86	520.86	520.86	520.86
16.500	520.86	520.86	520.86	520.86	520.86
16.750	520.86	520.86	520.86	520.86	520.86
17.000	520.86	520.86	520.86	520.86	520.86
17.250	520.86	520.86	520.86	520.86	520.86
17.500	520.86	520.86	520.86	520.86	520.86
17.750	520.86	520.86	520.86	520.86	520.86
18.000	520.86	520.86	520.86	520.86	520.86
18.250	520.86	520.86	520.86	520.86	520.86
18.500	520.86	520.86	520.86	520.86	520.86
18.750	520.86	520.86	520.86	520.86	520.86
19.000	520.86	520.86	520.86	520.86	520.86
19.250	520.86	520.86	520.86	520.86	520.86
19.500	520.86	520.86	520.86	520.86	520.86
19.750	520.86	520.86	520.86	520.86	520.86
20.000	520.86	520.86	520.86	520.86	520.86
20.250	520.86	520.86	520.86	520.86	520.86
20.500	520.86	520.86	520.86	520.86	520.86
20.750	520.86	520.86	520.86	520.86	520.86
21.000	520.86	520.86	520.86	520.86	520.86
21.250	520.86	520.86	520.86	520.86	520.86
21.500	520.86	520.86	520.86	520.86	520.86
21.750	520.86	520.86	520.86	520.86	520.86
22.000	520.86	520.86	520.86	520.86	520.86
22.250	520.86	520.86	520.86	520.86	520.86

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 4 (OUT)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.86	520.86	520.86	520.86	520.86
22.750	520.86	520.86	520.86	520.86	520.86
23.000	520.86	520.86	520.86	520.86	520.86
23.250	520.86	520.86	520.86	520.86	520.86
23.500	520.86	520.86	520.86	520.86	520.86
23.750	520.86	520.86	520.86	520.86	520.86
24.000	520.86	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 4 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.35	520.35	520.35	520.35	520.35
0.250	520.35	520.35	520.35	520.35	520.35
0.500	520.35	520.35	520.35	520.35	520.35
0.750	520.35	520.35	520.35	520.35	520.35
1.000	520.35	520.35	520.35	520.35	520.35
1.250	520.35	520.35	520.35	520.35	520.35
1.500	520.35	520.35	520.35	520.35	520.35
1.750	520.35	520.35	520.35	520.35	520.35
2.000	520.35	520.35	520.35	520.35	520.35
2.250	520.35	520.35	520.35	520.35	520.35
2.500	520.35	520.35	520.35	520.35	520.35
2.750	520.35	520.35	520.35	520.35	520.35
3.000	520.35	520.35	520.35	520.35	520.35
3.250	520.35	520.35	520.35	520.35	520.35
3.500	520.35	520.35	520.35	520.35	520.35
3.750	520.35	520.35	520.35	520.35	520.35
4.000	520.35	520.35	520.35	520.35	520.35
4.250	520.35	520.35	520.35	520.35	520.35
4.500	520.35	520.35	520.35	520.35	520.35
4.750	520.35	520.35	520.35	520.35	520.35
5.000	520.35	520.35	520.35	520.35	520.35
5.250	520.35	520.35	520.35	520.35	520.35
5.500	520.35	520.35	520.35	520.35	520.35
5.750	520.35	520.35	520.35	520.35	520.35
6.000	520.35	520.35	520.35	520.35	520.35
6.250	520.35	520.35	520.35	520.35	520.35
6.500	520.35	520.35	520.35	520.35	520.35
6.750	520.35	520.35	520.35	520.35	520.35
7.000	520.35	520.35	520.35	520.35	520.35
7.250	520.35	520.35	520.35	520.35	520.35
7.500	520.35	520.35	520.35	520.35	520.35
7.750	520.35	520.35	520.35	520.35	520.35
8.000	520.35	520.35	520.36	520.36	520.36
8.250	520.36	520.36	520.36	520.36	520.36
8.500	520.36	520.36	520.36	520.36	520.37
8.750	520.37	520.37	520.37	520.37	520.37
9.000	520.38	520.38	520.38	520.38	520.38
9.250	520.38	520.39	520.39	520.39	520.39
9.500	520.40	520.40	520.40	520.40	520.41
9.750	520.41	520.41	520.41	520.42	520.42
10.000	520.42	520.43	520.43	520.44	520.44
10.250	520.44	520.45	520.45	520.46	520.46
10.500	520.47	520.47	520.48	520.49	520.49
10.750	520.50	520.51	520.51	520.52	520.53
11.000	520.54	520.55	520.56	520.57	520.58

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 10 years

Label: Trench 4 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.59	520.61	520.62	520.64	520.65
11.500	520.67	520.69	520.71	520.75	520.81
11.750	520.88	520.95	521.00	521.03	521.06
12.000	521.06	521.06	521.03	521.00	520.97
12.250	520.96	520.96	520.95	520.95	520.95
12.500	520.94	520.94	520.93	520.92	520.92
12.750	520.92	520.91	520.91	520.91	520.90
13.000	520.90	520.90	520.90	520.90	520.90
13.250	520.89	520.89	520.89	520.89	520.89
13.500	520.89	520.89	520.89	520.89	520.88
13.750	520.88	520.88	520.88	520.88	520.88
14.000	520.88	520.88	520.88	520.88	520.88
14.250	520.88	520.88	520.88	520.88	520.88
14.500	520.88	520.88	520.88	520.87	520.87
14.750	520.87	520.87	520.87	520.87	520.87
15.000	520.87	520.87	520.87	520.87	520.87
15.250	520.87	520.87	520.87	520.87	520.87
15.500	520.87	520.87	520.87	520.87	520.87
15.750	520.87	520.87	520.87	520.87	520.87
16.000	520.87	520.87	520.87	520.87	520.87
16.250	520.87	520.87	520.87	520.87	520.87
16.500	520.87	520.87	520.87	520.87	520.87
16.750	520.87	520.87	520.87	520.87	520.87
17.000	520.87	520.87	520.87	520.87	520.87
17.250	520.87	520.87	520.87	520.86	520.86
17.500	520.86	520.86	520.86	520.86	520.86
17.750	520.86	520.86	520.86	520.86	520.86
18.000	520.86	520.86	520.86	520.86	520.86
18.250	520.86	520.86	520.86	520.86	520.86
18.500	520.86	520.86	520.86	520.86	520.86
18.750	520.86	520.86	520.86	520.86	520.86
19.000	520.86	520.86	520.86	520.86	520.86
19.250	520.86	520.86	520.86	520.86	520.86
19.500	520.86	520.86	520.86	520.86	520.86
19.750	520.86	520.86	520.86	520.86	520.86
20.000	520.86	520.86	520.86	520.86	520.86
20.250	520.86	520.86	520.86	520.86	520.86
20.500	520.86	520.86	520.86	520.86	520.86
20.750	520.86	520.86	520.86	520.86	520.86
21.000	520.86	520.86	520.86	520.86	520.86
21.250	520.86	520.86	520.86	520.86	520.86
21.500	520.86	520.86	520.86	520.86	520.86
21.750	520.86	520.86	520.86	520.86	520.86
22.000	520.86	520.86	520.86	520.86	520.86
22.250	520.86	520.86	520.86	520.86	520.86

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 4 (OUT)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.86	520.86	520.86	520.86	520.86
22.750	520.86	520.86	520.86	520.86	520.86
23.000	520.86	520.86	520.86	520.86	520.86
23.250	520.86	520.86	520.86	520.86	520.86
23.500	520.86	520.86	520.86	520.86	520.86
23.750	520.86	520.86	520.86	520.86	520.86
24.000	520.86	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 4 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.35	520.35	520.35	520.35	520.35
0.250	520.35	520.35	520.35	520.35	520.35
0.500	520.35	520.35	520.35	520.35	520.35
0.750	520.35	520.35	520.35	520.35	520.35
1.000	520.35	520.35	520.35	520.35	520.35
1.250	520.35	520.35	520.35	520.35	520.35
1.500	520.35	520.35	520.35	520.35	520.35
1.750	520.35	520.35	520.35	520.35	520.35
2.000	520.35	520.35	520.35	520.35	520.35
2.250	520.35	520.35	520.35	520.35	520.35
2.500	520.35	520.35	520.35	520.35	520.35
2.750	520.35	520.35	520.35	520.35	520.35
3.000	520.35	520.35	520.35	520.35	520.35
3.250	520.35	520.35	520.35	520.35	520.35
3.500	520.35	520.35	520.35	520.35	520.35
3.750	520.35	520.35	520.35	520.35	520.35
4.000	520.35	520.35	520.35	520.35	520.35
4.250	520.35	520.35	520.35	520.35	520.35
4.500	520.35	520.35	520.35	520.35	520.35
4.750	520.35	520.35	520.35	520.35	520.35
5.000	520.35	520.35	520.35	520.35	520.35
5.250	520.35	520.35	520.35	520.35	520.35
5.500	520.35	520.35	520.35	520.35	520.35
5.750	520.35	520.35	520.35	520.35	520.35
6.000	520.35	520.35	520.35	520.35	520.35
6.250	520.35	520.35	520.35	520.35	520.35
6.500	520.35	520.35	520.35	520.35	520.35
6.750	520.35	520.35	520.35	520.35	520.35
7.000	520.35	520.36	520.36	520.36	520.36
7.250	520.36	520.36	520.36	520.36	520.36
7.500	520.36	520.36	520.37	520.37	520.37
7.750	520.37	520.37	520.37	520.37	520.37
8.000	520.38	520.38	520.38	520.38	520.38
8.250	520.38	520.39	520.39	520.39	520.39
8.500	520.40	520.40	520.40	520.40	520.41
8.750	520.41	520.41	520.41	520.42	520.42
9.000	520.42	520.43	520.43	520.43	520.44
9.250	520.44	520.45	520.45	520.45	520.46
9.500	520.46	520.47	520.47	520.48	520.48
9.750	520.49	520.49	520.50	520.50	520.51
10.000	520.51	520.52	520.52	520.53	520.54
10.250	520.55	520.55	520.56	520.57	520.58
10.500	520.59	520.59	520.60	520.61	520.62
10.750	520.64	520.65	520.66	520.67	520.68
11.000	520.70	520.71	520.73	520.74	520.76

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 25 years

Label: Trench 4 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.78	520.80	520.82	520.84	520.86
11.500	520.88	520.89	520.91	520.93	520.96
11.750	520.98	521.01	521.03	521.07	521.09
12.000	521.09	521.08	521.05	521.02	520.99
12.250	520.97	520.96	520.96	520.96	520.95
12.500	520.95	520.95	520.95	520.94	520.94
12.750	520.93	520.93	520.93	520.92	520.92
13.000	520.92	520.92	520.91	520.91	520.91
13.250	520.91	520.91	520.90	520.90	520.90
13.500	520.90	520.90	520.90	520.90	520.89
13.750	520.89	520.89	520.89	520.89	520.89
14.000	520.89	520.89	520.89	520.89	520.89
14.250	520.89	520.88	520.88	520.88	520.88
14.500	520.88	520.88	520.88	520.88	520.88
14.750	520.88	520.88	520.88	520.88	520.88
15.000	520.88	520.88	520.88	520.88	520.88
15.250	520.88	520.88	520.88	520.88	520.88
15.500	520.88	520.88	520.88	520.88	520.88
15.750	520.88	520.87	520.87	520.87	520.87
16.000	520.87	520.87	520.87	520.87	520.87
16.250	520.87	520.87	520.87	520.87	520.87
16.500	520.87	520.87	520.87	520.87	520.87
16.750	520.87	520.87	520.87	520.87	520.87
17.000	520.87	520.87	520.87	520.87	520.87
17.250	520.87	520.87	520.87	520.87	520.87
17.500	520.87	520.87	520.87	520.87	520.87
17.750	520.87	520.87	520.87	520.87	520.87
18.000	520.87	520.87	520.87	520.87	520.87
18.250	520.87	520.87	520.87	520.87	520.87
18.500	520.87	520.87	520.87	520.87	520.87
18.750	520.87	520.87	520.87	520.87	520.87
19.000	520.87	520.87	520.87	520.87	520.86
19.250	520.86	520.86	520.86	520.86	520.86
19.500	520.86	520.86	520.86	520.86	520.86
19.750	520.86	520.86	520.86	520.86	520.86
20.000	520.86	520.86	520.86	520.86	520.86
20.250	520.86	520.86	520.86	520.86	520.86
20.500	520.86	520.86	520.86	520.86	520.86
20.750	520.86	520.86	520.86	520.86	520.86
21.000	520.86	520.86	520.86	520.86	520.86
21.250	520.86	520.86	520.86	520.86	520.86
21.500	520.86	520.86	520.86	520.86	520.86
21.750	520.86	520.86	520.86	520.86	520.86
22.000	520.86	520.86	520.86	520.86	520.86
22.250	520.86	520.86	520.86	520.86	520.86

Post-Development Conditions

Subsection: Time vs. Elevation

Label: Trench 4 (OUT)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.86	520.86	520.86	520.86	520.86
22.750	520.86	520.86	520.86	520.86	520.86
23.000	520.86	520.86	520.86	520.86	520.86
23.250	520.86	520.86	520.86	520.86	520.86
23.500	520.86	520.86	520.86	520.86	520.86
23.750	520.86	520.86	520.86	520.86	520.86
24.000	520.86	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 4 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.35	520.35	520.35	520.35	520.35
0.250	520.35	520.35	520.35	520.35	520.35
0.500	520.35	520.35	520.35	520.35	520.35
0.750	520.35	520.35	520.35	520.35	520.35
1.000	520.35	520.35	520.35	520.35	520.35
1.250	520.35	520.35	520.35	520.35	520.35
1.500	520.35	520.35	520.35	520.35	520.35
1.750	520.35	520.35	520.35	520.35	520.35
2.000	520.35	520.35	520.35	520.35	520.35
2.250	520.35	520.35	520.35	520.35	520.35
2.500	520.35	520.35	520.35	520.35	520.35
2.750	520.35	520.35	520.35	520.35	520.35
3.000	520.35	520.35	520.35	520.35	520.35
3.250	520.35	520.35	520.35	520.35	520.35
3.500	520.35	520.35	520.35	520.35	520.35
3.750	520.35	520.35	520.35	520.35	520.35
4.000	520.35	520.35	520.35	520.35	520.35
4.250	520.35	520.35	520.35	520.35	520.35
4.500	520.35	520.35	520.35	520.35	520.35
4.750	520.35	520.35	520.35	520.35	520.35
5.000	520.35	520.35	520.35	520.35	520.35
5.250	520.35	520.35	520.35	520.35	520.35
5.500	520.35	520.35	520.35	520.35	520.35
5.750	520.35	520.35	520.35	520.35	520.35
6.000	520.35	520.35	520.35	520.35	520.35
6.250	520.35	520.36	520.36	520.36	520.36
6.500	520.36	520.36	520.36	520.36	520.36
6.750	520.36	520.37	520.37	520.37	520.37
7.000	520.37	520.37	520.37	520.38	520.38
7.250	520.38	520.38	520.38	520.38	520.39
7.500	520.39	520.39	520.39	520.39	520.40
7.750	520.40	520.40	520.40	520.41	520.41
8.000	520.41	520.41	520.42	520.42	520.42
8.250	520.43	520.43	520.43	520.44	520.44
8.500	520.44	520.45	520.45	520.45	520.46
8.750	520.46	520.47	520.47	520.48	520.48
9.000	520.49	520.49	520.50	520.50	520.51
9.250	520.52	520.52	520.53	520.53	520.54
9.500	520.55	520.55	520.56	520.56	520.57
9.750	520.58	520.59	520.59	520.60	520.61
10.000	520.62	520.63	520.64	520.64	520.65
10.250	520.66	520.67	520.68	520.70	520.71
10.500	520.72	520.73	520.75	520.76	520.77
10.750	520.79	520.80	520.82	520.84	520.85
11.000	520.87	520.88	520.88	520.89	520.90

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 4 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.90	520.90	520.91	520.91	520.92
11.500	520.92	520.93	520.94	520.96	520.98
11.750	521.00	521.03	521.06	521.09	521.11
12.000	521.11	521.09	521.07	521.03	521.00
12.250	520.98	520.97	520.97	520.96	520.96
12.500	520.96	520.95	520.95	520.95	520.95
12.750	520.95	520.94	520.94	520.94	520.93
13.000	520.93	520.93	520.93	520.92	520.92
13.250	520.92	520.92	520.92	520.91	520.91
13.500	520.91	520.91	520.91	520.91	520.90
13.750	520.90	520.90	520.90	520.90	520.90
14.000	520.90	520.90	520.89	520.89	520.89
14.250	520.89	520.89	520.89	520.89	520.89
14.500	520.89	520.89	520.89	520.89	520.89
14.750	520.89	520.89	520.89	520.89	520.89
15.000	520.89	520.89	520.89	520.88	520.88
15.250	520.88	520.88	520.88	520.88	520.88
15.500	520.88	520.88	520.88	520.88	520.88
15.750	520.88	520.88	520.88	520.88	520.88
16.000	520.88	520.88	520.88	520.88	520.88
16.250	520.88	520.88	520.88	520.88	520.88
16.500	520.88	520.88	520.88	520.88	520.88
16.750	520.87	520.87	520.87	520.87	520.87
17.000	520.87	520.87	520.87	520.87	520.87
17.250	520.87	520.87	520.87	520.87	520.87
17.500	520.87	520.87	520.87	520.87	520.87
17.750	520.87	520.87	520.87	520.87	520.87
18.000	520.87	520.87	520.87	520.87	520.87
18.250	520.87	520.87	520.87	520.87	520.87
18.500	520.87	520.87	520.87	520.87	520.87
18.750	520.87	520.87	520.87	520.87	520.87
19.000	520.87	520.87	520.87	520.87	520.87
19.250	520.87	520.87	520.87	520.87	520.87
19.500	520.87	520.87	520.87	520.87	520.87
19.750	520.87	520.87	520.87	520.87	520.87
20.000	520.87	520.87	520.87	520.87	520.87
20.250	520.87	520.87	520.87	520.86	520.86
20.500	520.86	520.86	520.86	520.86	520.86
20.750	520.86	520.86	520.86	520.86	520.86
21.000	520.86	520.86	520.86	520.86	520.86
21.250	520.86	520.86	520.86	520.86	520.86
21.500	520.86	520.86	520.86	520.86	520.86
21.750	520.86	520.86	520.86	520.86	520.86
22.000	520.86	520.86	520.86	520.86	520.86
22.250	520.86	520.86	520.86	520.86	520.86

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 50 years

Label: Trench 4 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.86	520.86	520.86	520.86	520.86
22.750	520.86	520.86	520.86	520.86	520.86
23.000	520.86	520.86	520.86	520.86	520.86
23.250	520.86	520.86	520.86	520.86	520.86
23.500	520.86	520.86	520.86	520.86	520.86
23.750	520.86	520.86	520.86	520.86	520.86
24.000	520.86	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 4 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 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	520.35	520.35	520.35	520.35	520.35
0.250	520.35	520.35	520.35	520.35	520.35
0.500	520.35	520.35	520.35	520.35	520.35
0.750	520.35	520.35	520.35	520.35	520.35
1.000	520.35	520.35	520.35	520.35	520.35
1.250	520.35	520.35	520.35	520.35	520.35
1.500	520.35	520.35	520.35	520.35	520.35
1.750	520.35	520.35	520.35	520.35	520.35
2.000	520.35	520.35	520.35	520.35	520.35
2.250	520.35	520.35	520.35	520.35	520.35
2.500	520.35	520.35	520.35	520.35	520.35
2.750	520.35	520.35	520.35	520.35	520.35
3.000	520.35	520.35	520.35	520.35	520.35
3.250	520.35	520.35	520.35	520.35	520.35
3.500	520.35	520.35	520.35	520.35	520.35
3.750	520.35	520.35	520.35	520.35	520.35
4.000	520.35	520.35	520.35	520.35	520.35
4.250	520.35	520.35	520.35	520.35	520.35
4.500	520.35	520.35	520.35	520.35	520.35
4.750	520.35	520.35	520.35	520.35	520.35
5.000	520.35	520.35	520.35	520.35	520.35
5.250	520.35	520.35	520.35	520.35	520.35
5.500	520.35	520.35	520.36	520.36	520.36
5.750	520.36	520.36	520.36	520.36	520.36
6.000	520.36	520.37	520.37	520.37	520.37
6.250	520.37	520.37	520.37	520.38	520.38
6.500	520.38	520.38	520.38	520.39	520.39
6.750	520.39	520.39	520.39	520.40	520.40
7.000	520.40	520.40	520.41	520.41	520.41
7.250	520.42	520.42	520.42	520.43	520.43
7.500	520.43	520.44	520.44	520.44	520.45
7.750	520.45	520.45	520.46	520.46	520.47
8.000	520.47	520.47	520.48	520.48	520.49
8.250	520.49	520.50	520.50	520.51	520.51
8.500	520.52	520.52	520.53	520.53	520.54
8.750	520.55	520.55	520.56	520.57	520.58
9.000	520.58	520.59	520.60	520.61	520.61
9.250	520.62	520.63	520.64	520.65	520.66
9.500	520.67	520.67	520.68	520.69	520.70
9.750	520.71	520.72	520.73	520.74	520.75
10.000	520.77	520.78	520.79	520.80	520.82
10.250	520.83	520.84	520.86	520.87	520.87
10.500	520.88	520.88	520.89	520.89	520.89
10.750	520.89	520.89	520.90	520.90	520.90
11.000	520.90	520.91	520.91	520.91	520.91

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 4 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	520.92	520.92	520.93	520.93	520.94
11.500	520.94	520.95	520.96	520.97	520.99
11.750	521.02	521.05	521.08	521.11	521.14
12.000	521.14	521.12	521.08	521.05	521.02
12.250	520.99	520.98	520.97	520.97	520.97
12.500	520.96	520.96	520.96	520.95	520.95
12.750	520.95	520.95	520.95	520.95	520.95
13.000	520.95	520.94	520.94	520.94	520.94
13.250	520.93	520.93	520.93	520.93	520.92
13.500	520.92	520.92	520.92	520.92	520.92
13.750	520.91	520.91	520.91	520.91	520.91
14.000	520.91	520.91	520.90	520.90	520.90
14.250	520.90	520.90	520.90	520.90	520.90
14.500	520.90	520.90	520.90	520.90	520.90
14.750	520.90	520.90	520.89	520.89	520.89
15.000	520.89	520.89	520.89	520.89	520.89
15.250	520.89	520.89	520.89	520.89	520.89
15.500	520.89	520.89	520.89	520.89	520.89
15.750	520.89	520.89	520.89	520.88	520.88
16.000	520.88	520.88	520.88	520.88	520.88
16.250	520.88	520.88	520.88	520.88	520.88
16.500	520.88	520.88	520.88	520.88	520.88
16.750	520.88	520.88	520.88	520.88	520.88
17.000	520.88	520.88	520.88	520.88	520.88
17.250	520.88	520.88	520.88	520.88	520.88
17.500	520.88	520.88	520.88	520.88	520.88
17.750	520.88	520.88	520.88	520.88	520.88
18.000	520.88	520.88	520.88	520.88	520.87
18.250	520.87	520.87	520.87	520.87	520.87
18.500	520.87	520.87	520.87	520.87	520.87
18.750	520.87	520.87	520.87	520.87	520.87
19.000	520.87	520.87	520.87	520.87	520.87
19.250	520.87	520.87	520.87	520.87	520.87
19.500	520.87	520.87	520.87	520.87	520.87
19.750	520.87	520.87	520.87	520.87	520.87
20.000	520.87	520.87	520.87	520.87	520.87
20.250	520.87	520.87	520.87	520.87	520.87
20.500	520.87	520.87	520.87	520.87	520.87
20.750	520.87	520.87	520.87	520.87	520.87
21.000	520.87	520.87	520.87	520.87	520.87
21.250	520.87	520.87	520.87	520.87	520.87
21.500	520.87	520.87	520.87	520.87	520.87
21.750	520.87	520.87	520.87	520.87	520.87
22.000	520.87	520.87	520.87	520.87	520.87
22.250	520.87	520.87	520.87	520.87	520.87

Post-Development Conditions

Subsection: Time vs. Elevation

Return Event: 100 years

Label: Trench 4 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

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

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	520.87	520.87	520.87	520.87	520.87
22.750	520.87	520.87	520.87	520.87	520.87
23.000	520.87	520.87	520.87	520.87	520.87
23.250	520.87	520.87	520.87	520.87	520.87
23.500	520.87	520.87	520.87	520.87	520.87
23.750	520.87	520.87	520.87	520.87	520.87
24.000	520.87	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Tranch 5

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	0.000	0.000	0.000	0.000	0.000
9.500	0.000	0.000	0.000	0.000	0.000
9.750	1.000	1.000	1.000	1.000	1.000
10.000	1.000	2.000	2.000	2.000	2.000
10.250	3.000	3.000	4.000	4.000	4.000
10.500	5.000	5.000	6.000	6.000	7.000
10.750	8.000	9.000	9.000	10.000	11.000
11.000	12.000	13.000	14.000	16.000	17.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Tranch 5

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	19.000	20.000	22.000	24.000	26.000
11.500	29.000	31.000	36.000	42.000	51.000
11.750	65.000	85.000	114.000	157.000	211.000
12.000	265.000	311.000	342.000	359.000	371.000
12.250	381.000	390.000	398.000	405.000	412.000
12.500	419.000	424.000	430.000	435.000	440.000
12.750	444.000	449.000	453.000	457.000	461.000
13.000	465.000	469.000	472.000	476.000	479.000
13.250	483.000	486.000	489.000	492.000	496.000
13.500	499.000	501.000	504.000	507.000	510.000
13.750	512.000	515.000	518.000	520.000	522.000
14.000	525.000	527.000	529.000	532.000	534.000
14.250	536.000	538.000	540.000	542.000	545.000
14.500	547.000	549.000	551.000	553.000	555.000
14.750	557.000	559.000	561.000	563.000	565.000
15.000	566.000	568.000	570.000	572.000	574.000
15.250	576.000	577.000	579.000	581.000	583.000
15.500	584.000	586.000	588.000	589.000	591.000
15.750	592.000	594.000	596.000	597.000	599.000
16.000	600.000	602.000	603.000	604.000	606.000
16.250	607.000	609.000	610.000	611.000	613.000
16.500	614.000	616.000	617.000	618.000	620.000
16.750	621.000	622.000	624.000	625.000	626.000
17.000	628.000	629.000	630.000	632.000	633.000
17.250	634.000	635.000	637.000	638.000	639.000
17.500	640.000	642.000	643.000	644.000	645.000
17.750	646.000	648.000	649.000	650.000	651.000
18.000	652.000	653.000	655.000	656.000	657.000
18.250	658.000	659.000	660.000	661.000	662.000
18.500	664.000	665.000	666.000	667.000	668.000
18.750	669.000	670.000	671.000	672.000	673.000
19.000	674.000	675.000	676.000	677.000	678.000
19.250	679.000	680.000	681.000	682.000	683.000
19.500	684.000	685.000	685.000	686.000	687.000
19.750	688.000	689.000	690.000	691.000	692.000
20.000	693.000	693.000	694.000	695.000	696.000
20.250	697.000	698.000	698.000	699.000	700.000
20.500	701.000	702.000	703.000	703.000	704.000
20.750	705.000	706.000	707.000	707.000	708.000
21.000	709.000	710.000	711.000	712.000	712.000
21.250	713.000	714.000	715.000	716.000	716.000
21.500	717.000	718.000	719.000	720.000	720.000
21.750	721.000	722.000	723.000	723.000	724.000
22.000	725.000	726.000	727.000	727.000	728.000
22.250	729.000	730.000	730.000	731.000	732.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Tranch 5

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	733.000	734.000	734.000	735.000	736.000
22.750	737.000	737.000	738.000	739.000	740.000
23.000	740.000	741.000	742.000	743.000	743.000
23.250	744.000	745.000	746.000	746.000	747.000
23.500	748.000	749.000	749.000	750.000	751.000
23.750	752.000	752.000	753.000	754.000	754.000
24.000	755.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Tranch 5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	1.000	1.000	1.000
9.000	1.000	1.000	1.000	2.000	2.000
9.250	2.000	2.000	3.000	3.000	3.000
9.500	3.000	4.000	4.000	5.000	5.000
9.750	5.000	6.000	6.000	7.000	7.000
10.000	8.000	8.000	9.000	10.000	10.000
10.250	11.000	12.000	13.000	14.000	14.000
10.500	15.000	16.000	18.000	19.000	20.000
10.750	21.000	23.000	24.000	26.000	27.000
11.000	29.000	31.000	33.000	35.000	38.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Tranch 5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	40.000	43.000	46.000	49.000	53.000
11.500	56.000	61.000	68.000	77.000	92.000
11.750	112.000	141.000	182.000	242.000	316.000
12.000	389.000	450.000	492.000	514.000	530.000
12.250	543.000	555.000	565.000	575.000	584.000
12.500	593.000	600.000	607.000	614.000	620.000
12.750	626.000	632.000	637.000	643.000	648.000
13.000	653.000	658.000	663.000	667.000	672.000
13.250	676.000	681.000	685.000	689.000	693.000
13.500	697.000	700.000	704.000	708.000	711.000
13.750	715.000	718.000	721.000	724.000	728.000
14.000	731.000	734.000	737.000	739.000	742.000
14.250	745.000	748.000	751.000	753.000	756.000
14.500	759.000	762.000	764.000	767.000	769.000
14.750	772.000	775.000	777.000	780.000	782.000
15.000	784.000	787.000	789.000	792.000	794.000
15.250	796.000	799.000	801.000	803.000	805.000
15.500	807.000	810.000	812.000	814.000	816.000
15.750	818.000	820.000	822.000	824.000	826.000
16.000	828.000	830.000	831.000	833.000	835.000
16.250	837.000	839.000	840.000	842.000	844.000
16.500	846.000	848.000	849.000	851.000	853.000
16.750	855.000	856.000	858.000	860.000	861.000
17.000	863.000	865.000	866.000	868.000	870.000
17.250	871.000	873.000	875.000	876.000	878.000
17.500	879.000	881.000	882.000	884.000	886.000
17.750	887.000	889.000	890.000	892.000	893.000
18.000	895.000	896.000	898.000	899.000	900.000
18.250	902.000	903.000	905.000	906.000	908.000
18.500	909.000	910.000	912.000	913.000	914.000
18.750	916.000	917.000	918.000	920.000	921.000
19.000	922.000	924.000	925.000	926.000	927.000
19.250	929.000	930.000	931.000	932.000	933.000
19.500	935.000	936.000	937.000	938.000	939.000
19.750	940.000	942.000	943.000	944.000	945.000
20.000	946.000	947.000	948.000	949.000	950.000
20.250	951.000	952.000	954.000	955.000	956.000
20.500	957.000	958.000	959.000	960.000	961.000
20.750	962.000	963.000	964.000	965.000	966.000
21.000	967.000	968.000	969.000	970.000	971.000
21.250	972.000	973.000	974.000	975.000	976.000
21.500	977.000	978.000	979.000	980.000	981.000
21.750	983.000	984.000	985.000	986.000	987.000
22.000	988.000	989.000	990.000	991.000	992.000
22.250	992.000	993.000	994.000	995.000	996.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Tranch 5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	997.000	998.000	999.000	1,000.000	1,001.000
22.750	1,002.000	1,003.000	1,004.000	1,005.000	1,006.000
23.000	1,007.000	1,008.000	1,009.000	1,010.000	1,011.000
23.250	1,012.000	1,013.000	1,014.000	1,015.000	1,016.000
23.500	1,017.000	1,018.000	1,019.000	1,019.000	1,020.000
23.750	1,021.000	1,022.000	1,023.000	1,024.000	1,025.000
24.000	1,026.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Tranch 5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	1.000
7.750	1.000	1.000	1.000	1.000	1.000
8.000	1.000	2.000	2.000	2.000	2.000
8.250	2.000	3.000	3.000	3.000	3.000
8.500	4.000	4.000	5.000	5.000	5.000
8.750	6.000	6.000	7.000	7.000	8.000
9.000	8.000	9.000	10.000	10.000	11.000
9.250	12.000	12.000	13.000	14.000	15.000
9.500	15.000	16.000	17.000	18.000	19.000
9.750	20.000	21.000	22.000	23.000	24.000
10.000	25.000	26.000	28.000	29.000	30.000
10.250	32.000	33.000	35.000	37.000	38.000
10.500	40.000	42.000	44.000	46.000	49.000
10.750	51.000	53.000	56.000	59.000	62.000
11.000	65.000	68.000	72.000	75.000	79.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Tranch 5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	83.000	88.000	93.000	98.000	104.000
11.500	110.000	118.000	128.000	143.000	165.000
11.750	197.000	240.000	300.000	386.000	490.000
12.000	592.000	677.000	734.000	765.000	786.000
12.250	804.000	820.000	834.000	848.000	860.000
12.500	871.000	882.000	891.000	900.000	908.000
12.750	916.000	924.000	932.000	939.000	946.000
13.000	953.000	959.000	966.000	972.000	978.000
13.250	984.000	990.000	995.000	1,001.000	1,006.000
13.500	1,011.000	1,016.000	1,021.000	1,026.000	1,031.000
13.750	1,035.000	1,040.000	1,044.000	1,048.000	1,053.000
14.000	1,057.000	1,061.000	1,065.000	1,068.000	1,072.000
14.250	1,076.000	1,080.000	1,083.000	1,087.000	1,091.000
14.500	1,094.000	1,098.000	1,101.000	1,105.000	1,108.000
14.750	1,112.000	1,115.000	1,119.000	1,122.000	1,125.000
15.000	1,128.000	1,132.000	1,135.000	1,138.000	1,141.000
15.250	1,144.000	1,147.000	1,150.000	1,153.000	1,156.000
15.500	1,159.000	1,162.000	1,165.000	1,167.000	1,170.000
15.750	1,173.000	1,176.000	1,178.000	1,181.000	1,183.000
16.000	1,186.000	1,188.000	1,191.000	1,193.000	1,196.000
16.250	1,198.000	1,201.000	1,203.000	1,205.000	1,208.000
16.500	1,210.000	1,212.000	1,215.000	1,217.000	1,219.000
16.750	1,222.000	1,224.000	1,226.000	1,228.000	1,231.000
17.000	1,233.000	1,235.000	1,237.000	1,239.000	1,242.000
17.250	1,244.000	1,246.000	1,248.000	1,250.000	1,252.000
17.500	1,254.000	1,257.000	1,259.000	1,261.000	1,263.000
17.750	1,265.000	1,267.000	1,269.000	1,271.000	1,273.000
18.000	1,275.000	1,277.000	1,279.000	1,281.000	1,282.000
18.250	1,284.000	1,286.000	1,288.000	1,290.000	1,292.000
18.500	1,294.000	1,295.000	1,297.000	1,299.000	1,301.000
18.750	1,303.000	1,304.000	1,306.000	1,308.000	1,310.000
19.000	1,311.000	1,313.000	1,315.000	1,316.000	1,318.000
19.250	1,320.000	1,321.000	1,323.000	1,325.000	1,326.000
19.500	1,328.000	1,329.000	1,331.000	1,332.000	1,334.000
19.750	1,335.000	1,337.000	1,338.000	1,340.000	1,341.000
20.000	1,343.000	1,344.000	1,346.000	1,347.000	1,348.000
20.250	1,350.000	1,351.000	1,353.000	1,354.000	1,355.000
20.500	1,357.000	1,358.000	1,360.000	1,361.000	1,362.000
20.750	1,364.000	1,365.000	1,366.000	1,368.000	1,369.000
21.000	1,370.000	1,371.000	1,372.000	1,373.000	1,374.000
21.250	1,375.000	1,376.000	1,377.000	1,377.000	1,378.000
21.500	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
21.750	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
22.000	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
22.250	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Tranch 5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
22.750	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
23.000	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
23.250	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
23.500	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
23.750	1,378.000	1,378.000	1,378.000	1,378.000	1,378.000
24.000	1,378.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Tranch 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	1.000	1.000
7.000	1.000	1.000	1.000	1.000	1.000
7.250	2.000	2.000	2.000	2.000	3.000
7.500	3.000	3.000	3.000	4.000	4.000
7.750	4.000	5.000	5.000	6.000	6.000
8.000	6.000	7.000	7.000	8.000	8.000
8.250	9.000	9.000	10.000	10.000	11.000
8.500	12.000	12.000	13.000	14.000	15.000
8.750	16.000	16.000	17.000	18.000	19.000
9.000	20.000	21.000	22.000	23.000	25.000
9.250	26.000	27.000	28.000	29.000	31.000
9.500	32.000	33.000	34.000	36.000	37.000
9.750	39.000	40.000	42.000	43.000	45.000
10.000	47.000	49.000	51.000	53.000	55.000
10.250	57.000	59.000	62.000	64.000	67.000
10.500	70.000	72.000	75.000	78.000	82.000
10.750	85.000	89.000	92.000	96.000	100.000
11.000	105.000	109.000	114.000	119.000	125.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Tranch 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	131.000	137.000	144.000	151.000	159.000
11.500	167.000	177.000	191.000	211.000	241.000
11.750	283.000	339.000	417.000	526.000	657.000
12.000	785.000	892.000	962.000	1,000.000	1,027.000
12.250	1,048.000	1,068.000	1,086.000	1,102.000	1,117.000
12.500	1,131.000	1,144.000	1,155.000	1,166.000	1,176.000
12.750	1,186.000	1,196.000	1,205.000	1,214.000	1,223.000
13.000	1,231.000	1,239.000	1,247.000	1,255.000	1,262.000
13.250	1,269.000	1,276.000	1,283.000	1,290.000	1,296.000
13.500	1,303.000	1,309.000	1,315.000	1,321.000	1,326.000
13.750	1,332.000	1,337.000	1,343.000	1,348.000	1,353.000
14.000	1,358.000	1,363.000	1,368.000	1,372.000	1,376.000
14.250	1,380.000	1,381.000	1,382.000	1,382.000	1,382.000
14.500	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
14.750	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
15.000	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
15.250	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
15.500	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
15.750	1,381.000	1,380.000	1,380.000	1,380.000	1,380.000
16.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
16.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
16.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
16.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
17.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
17.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
17.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
17.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
18.000	1,380.000	1,379.000	1,379.000	1,379.000	1,379.000
18.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
18.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
18.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
19.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
19.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
19.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
19.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
22.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
22.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Tranch 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
22.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
24.000	1,379.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Tranch 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	1.000
6.000	1.000	1.000	1.000	1.000	1.000
6.250	2.000	2.000	2.000	2.000	3.000
6.500	3.000	3.000	4.000	4.000	4.000
6.750	5.000	5.000	6.000	6.000	6.000
7.000	7.000	7.000	8.000	8.000	9.000
7.250	10.000	10.000	11.000	11.000	12.000
7.500	13.000	13.000	14.000	15.000	16.000
7.750	16.000	17.000	18.000	19.000	20.000
8.000	21.000	22.000	22.000	23.000	24.000
8.250	25.000	27.000	28.000	29.000	30.000
8.500	31.000	33.000	34.000	35.000	37.000
8.750	38.000	40.000	41.000	43.000	45.000
9.000	47.000	48.000	50.000	52.000	54.000
9.250	56.000	58.000	60.000	62.000	64.000
9.500	66.000	69.000	71.000	73.000	75.000
9.750	78.000	80.000	83.000	85.000	88.000
10.000	91.000	94.000	97.000	100.000	104.000
10.250	107.000	111.000	114.000	118.000	122.000
10.500	126.000	131.000	135.000	140.000	145.000
10.750	150.000	155.000	161.000	167.000	173.000
11.000	179.000	186.000	193.000	201.000	209.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Tranch 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	218.000	227.000	237.000	247.000	259.000
11.500	271.000	285.000	305.000	333.000	374.000
11.750	432.000	510.000	615.000	761.000	936.000
12.000	1,104.000	1,243.000	1,334.000	1,382.000	1,402.000
12.250	1,405.000	1,405.000	1,403.000	1,401.000	1,399.000
12.500	1,397.000	1,395.000	1,394.000	1,393.000	1,392.000
12.750	1,391.000	1,391.000	1,390.000	1,390.000	1,389.000
13.000	1,389.000	1,388.000	1,388.000	1,388.000	1,387.000
13.250	1,387.000	1,387.000	1,387.000	1,386.000	1,386.000
13.500	1,386.000	1,386.000	1,385.000	1,385.000	1,385.000
13.750	1,385.000	1,385.000	1,384.000	1,384.000	1,384.000
14.000	1,384.000	1,384.000	1,384.000	1,383.000	1,383.000
14.250	1,383.000	1,383.000	1,383.000	1,383.000	1,383.000
14.500	1,383.000	1,383.000	1,383.000	1,383.000	1,383.000
14.750	1,383.000	1,383.000	1,383.000	1,383.000	1,382.000
15.000	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
15.250	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
15.500	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
15.750	1,382.000	1,381.000	1,381.000	1,381.000	1,381.000
16.000	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
16.250	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
16.500	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
16.750	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
17.000	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
17.250	1,381.000	1,381.000	1,381.000	1,380.000	1,380.000
17.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
17.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
18.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
18.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
18.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
18.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
19.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
19.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
19.500	1,380.000	1,380.000	1,380.000	1,379.000	1,379.000
19.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
20.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
21.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
22.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
22.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000

Post-Development Conditions

Subsection: Time vs. Volume

Label: Tranch 5

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
22.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
24.000	1,379.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Tranch 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	1.000	1.000	1.000	1.000
5.500	1.000	2.000	2.000	2.000	2.000
5.750	3.000	3.000	3.000	4.000	4.000
6.000	5.000	5.000	5.000	6.000	6.000
6.250	7.000	7.000	8.000	9.000	9.000
6.500	10.000	11.000	11.000	12.000	13.000
6.750	13.000	14.000	15.000	16.000	17.000
7.000	17.000	18.000	19.000	20.000	21.000
7.250	22.000	23.000	24.000	25.000	26.000
7.500	27.000	29.000	30.000	31.000	32.000
7.750	33.000	35.000	36.000	37.000	39.000
8.000	40.000	41.000	43.000	44.000	46.000
8.250	47.000	49.000	51.000	53.000	54.000
8.500	56.000	58.000	60.000	62.000	64.000
8.750	67.000	69.000	71.000	74.000	76.000
9.000	79.000	81.000	84.000	87.000	89.000
9.250	92.000	95.000	98.000	101.000	104.000
9.500	107.000	110.000	113.000	116.000	119.000
9.750	123.000	126.000	130.000	133.000	137.000
10.000	141.000	145.000	149.000	154.000	158.000
10.250	163.000	168.000	173.000	178.000	183.000
10.500	189.000	195.000	201.000	207.000	214.000
10.750	221.000	228.000	235.000	243.000	251.000
11.000	260.000	269.000	278.000	288.000	299.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Tranch 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	310.000	322.000	335.000	349.000	363.000
11.500	379.000	397.000	422.000	459.000	512.000
11.750	585.000	682.000	813.000	994.000	1,209.000
12.000	1,403.000	1,475.000	1,453.000	1,438.000	1,428.000
12.250	1,419.000	1,413.000	1,409.000	1,406.000	1,404.000
12.500	1,401.000	1,399.000	1,397.000	1,396.000	1,395.000
12.750	1,394.000	1,393.000	1,393.000	1,392.000	1,392.000
13.000	1,391.000	1,391.000	1,390.000	1,390.000	1,389.000
13.250	1,389.000	1,389.000	1,388.000	1,388.000	1,388.000
13.500	1,388.000	1,387.000	1,387.000	1,387.000	1,387.000
13.750	1,386.000	1,386.000	1,386.000	1,386.000	1,386.000
14.000	1,385.000	1,385.000	1,385.000	1,385.000	1,385.000
14.250	1,385.000	1,385.000	1,384.000	1,384.000	1,384.000
14.500	1,384.000	1,384.000	1,384.000	1,384.000	1,384.000
14.750	1,384.000	1,384.000	1,384.000	1,384.000	1,384.000
15.000	1,384.000	1,383.000	1,383.000	1,383.000	1,383.000
15.250	1,383.000	1,383.000	1,383.000	1,383.000	1,383.000
15.500	1,383.000	1,383.000	1,383.000	1,383.000	1,382.000
15.750	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
16.000	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
16.250	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
16.500	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
16.750	1,382.000	1,381.000	1,381.000	1,381.000	1,381.000
17.000	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
17.250	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
17.500	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
17.750	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
18.000	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
18.250	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
18.500	1,381.000	1,381.000	1,381.000	1,381.000	1,380.000
18.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
19.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
19.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
19.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
19.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
20.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
20.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
20.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
20.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
22.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
22.250	1,380.000	1,380.000	1,379.000	1,379.000	1,379.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Tranch 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
22.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.000	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.250	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.500	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
23.750	1,379.000	1,379.000	1,379.000	1,379.000	1,379.000
24.000	1,379.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Tranch 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	1.000
4.750	1.000	1.000	1.000	1.000	2.000
5.000	2.000	2.000	3.000	3.000	3.000
5.250	4.000	4.000	5.000	5.000	6.000
5.500	6.000	7.000	7.000	8.000	9.000
5.750	9.000	10.000	11.000	12.000	12.000
6.000	13.000	14.000	15.000	16.000	17.000
6.250	18.000	19.000	20.000	21.000	22.000
6.500	23.000	24.000	25.000	26.000	27.000
6.750	29.000	30.000	31.000	33.000	34.000
7.000	35.000	37.000	38.000	40.000	41.000
7.250	43.000	44.000	46.000	47.000	49.000
7.500	51.000	53.000	54.000	56.000	58.000
7.750	60.000	62.000	64.000	66.000	68.000
8.000	70.000	72.000	74.000	76.000	78.000
8.250	80.000	83.000	85.000	88.000	90.000
8.500	93.000	96.000	99.000	102.000	105.000
8.750	108.000	111.000	114.000	118.000	121.000
9.000	125.000	128.000	132.000	136.000	140.000
9.250	143.000	147.000	151.000	155.000	159.000
9.500	163.000	167.000	172.000	176.000	180.000
9.750	185.000	190.000	194.000	199.000	204.000
10.000	210.000	215.000	221.000	227.000	233.000
10.250	239.000	245.000	252.000	259.000	266.000
10.500	274.000	281.000	289.000	297.000	306.000
10.750	315.000	324.000	334.000	344.000	355.000
11.000	366.000	378.000	390.000	403.000	416.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Tranch 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	431.000	446.000	463.000	480.000	499.000
11.500	519.000	542.000	574.000	620.000	687.000
11.750	778.000	899.000	1,062.000	1,284.000	1,470.000
12.000	1,507.000	1,481.000	1,461.000	1,443.000	1,435.000
12.250	1,426.000	1,420.000	1,416.000	1,412.000	1,409.000
12.500	1,406.000	1,404.000	1,401.000	1,400.000	1,398.000
12.750	1,397.000	1,397.000	1,396.000	1,395.000	1,395.000
13.000	1,394.000	1,393.000	1,393.000	1,392.000	1,392.000
13.250	1,392.000	1,391.000	1,391.000	1,390.000	1,390.000
13.500	1,390.000	1,389.000	1,389.000	1,389.000	1,389.000
13.750	1,388.000	1,388.000	1,388.000	1,387.000	1,387.000
14.000	1,387.000	1,387.000	1,387.000	1,386.000	1,386.000
14.250	1,386.000	1,386.000	1,386.000	1,386.000	1,386.000
14.500	1,386.000	1,386.000	1,385.000	1,385.000	1,385.000
14.750	1,385.000	1,385.000	1,385.000	1,385.000	1,385.000
15.000	1,385.000	1,385.000	1,385.000	1,385.000	1,384.000
15.250	1,384.000	1,384.000	1,384.000	1,384.000	1,384.000
15.500	1,384.000	1,384.000	1,384.000	1,384.000	1,384.000
15.750	1,383.000	1,383.000	1,383.000	1,383.000	1,383.000
16.000	1,383.000	1,383.000	1,383.000	1,383.000	1,383.000
16.250	1,383.000	1,383.000	1,383.000	1,383.000	1,383.000
16.500	1,383.000	1,383.000	1,383.000	1,382.000	1,382.000
16.750	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
17.000	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
17.250	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
17.500	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
17.750	1,382.000	1,382.000	1,382.000	1,382.000	1,382.000
18.000	1,382.000	1,382.000	1,382.000	1,382.000	1,381.000
18.250	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
18.500	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
18.750	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
19.000	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
19.250	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
19.500	1,381.000	1,381.000	1,381.000	1,381.000	1,381.000
19.750	1,381.000	1,380.000	1,380.000	1,380.000	1,380.000
20.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
20.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
20.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
20.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
21.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
22.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
22.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Tranch 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
22.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
23.000	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
23.250	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
23.500	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
23.750	1,380.000	1,380.000	1,380.000	1,380.000	1,380.000
24.000	1,380.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	0.000	0.000	0.000	0.000	0.000
9.500	0.000	0.000	0.000	0.000	0.000
9.750	0.000	0.000	0.000	0.000	0.000
10.000	0.000	0.000	0.000	0.000	0.000
10.250	1.000	1.000	2.000	1.000	1.000
10.500	3.000	4.000	4.000	2.000	3.000
10.750	6.000	7.000	8.000	5.000	5.000
11.000	11.000	13.000	14.000	9.000	10.000
				16.000	18.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	20.000	22.000	24.000	27.000	30.000
11.500	33.000	37.000	43.000	52.000	65.000
11.750	85.000	115.000	158.000	223.000	307.000
12.000	392.000	465.000	515.000	543.000	562.000
12.250	578.000	592.000	605.000	617.000	629.000
12.500	639.000	648.000	657.000	665.000	672.000
12.750	680.000	687.000	694.000	701.000	707.000
13.000	714.000	720.000	726.000	731.000	737.000
13.250	742.000	748.000	753.000	758.000	763.000
13.500	768.000	772.000	777.000	782.000	786.000
13.750	790.000	794.000	799.000	803.000	806.000
14.000	810.000	814.000	818.000	821.000	825.000
14.250	829.000	832.000	836.000	839.000	842.000
14.500	846.000	849.000	852.000	856.000	859.000
14.750	862.000	866.000	869.000	872.000	875.000
15.000	878.000	881.000	884.000	887.000	890.000
15.250	893.000	896.000	899.000	901.000	904.000
15.500	907.000	910.000	912.000	915.000	918.000
15.750	920.000	923.000	925.000	928.000	930.000
16.000	933.000	935.000	937.000	940.000	942.000
16.250	944.000	947.000	949.000	951.000	953.000
16.500	956.000	958.000	960.000	962.000	965.000
16.750	967.000	969.000	971.000	973.000	975.000
17.000	978.000	980.000	982.000	984.000	986.000
17.250	988.000	990.000	992.000	994.000	996.000
17.500	998.000	1,000.000	1,002.000	1,004.000	1,006.000
17.750	1,008.000	1,010.000	1,012.000	1,014.000	1,016.000
18.000	1,018.000	1,020.000	1,022.000	1,023.000	1,025.000
18.250	1,027.000	1,029.000	1,031.000	1,033.000	1,034.000
18.500	1,036.000	1,038.000	1,040.000	1,041.000	1,043.000
18.750	1,045.000	1,047.000	1,048.000	1,050.000	1,052.000
19.000	1,053.000	1,055.000	1,056.000	1,058.000	1,060.000
19.250	1,061.000	1,063.000	1,064.000	1,066.000	1,068.000
19.500	1,069.000	1,071.000	1,072.000	1,074.000	1,075.000
19.750	1,076.000	1,078.000	1,079.000	1,081.000	1,082.000
20.000	1,084.000	1,085.000	1,086.000	1,088.000	1,089.000
20.250	1,090.000	1,092.000	1,093.000	1,095.000	1,096.000
20.500	1,097.000	1,099.000	1,100.000	1,101.000	1,103.000
20.750	1,104.000	1,105.000	1,107.000	1,108.000	1,109.000
21.000	1,111.000	1,112.000	1,113.000	1,115.000	1,116.000
21.250	1,117.000	1,119.000	1,120.000	1,121.000	1,123.000
21.500	1,124.000	1,125.000	1,126.000	1,128.000	1,129.000
21.750	1,130.000	1,132.000	1,133.000	1,134.000	1,136.000
22.000	1,137.000	1,138.000	1,139.000	1,141.000	1,142.000
22.250	1,143.000	1,144.000	1,146.000	1,147.000	1,148.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,150.000	1,151.000	1,152.000	1,153.000	1,155.000
22.750	1,156.000	1,157.000	1,158.000	1,160.000	1,161.000
23.000	1,162.000	1,163.000	1,164.000	1,166.000	1,167.000
23.250	1,168.000	1,169.000	1,171.000	1,172.000	1,173.000
23.500	1,174.000	1,175.000	1,177.000	1,178.000	1,179.000
23.750	1,180.000	1,181.000	1,183.000	1,184.000	1,185.000
24.000	1,186.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 1

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	1.000	1.000	1.000	1.000	1.000
9.500	2.000	2.000	2.000	3.000	3.000
9.750	4.000	4.000	4.000	5.000	6.000
10.000	6.000	7.000	8.000	8.000	9.000
10.250	10.000	11.000	12.000	13.000	14.000
10.500	16.000	17.000	18.000	20.000	21.000
10.750	23.000	25.000	27.000	29.000	31.000
11.000	34.000	36.000	39.000	42.000	46.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 1

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	49.000	53.000	57.000	62.000	67.000
11.500	73.000	79.000	89.000	103.000	124.000
11.750	155.000	199.000	263.000	355.000	472.000
12.000	588.000	688.000	755.000	793.000	818.000
12.250	839.000	858.000	876.000	892.000	907.000
12.500	920.000	933.000	944.000	955.000	965.000
12.750	975.000	984.000	993.000	1,002.000	1,011.000
13.000	1,019.000	1,027.000	1,035.000	1,042.000	1,050.000
13.250	1,057.000	1,064.000	1,071.000	1,077.000	1,084.000
13.500	1,090.000	1,096.000	1,102.000	1,108.000	1,114.000
13.750	1,120.000	1,125.000	1,130.000	1,136.000	1,141.000
14.000	1,146.000	1,151.000	1,156.000	1,160.000	1,165.000
14.250	1,170.000	1,174.000	1,179.000	1,183.000	1,188.000
14.500	1,192.000	1,197.000	1,201.000	1,205.000	1,209.000
14.750	1,214.000	1,218.000	1,222.000	1,226.000	1,230.000
15.000	1,234.000	1,238.000	1,242.000	1,246.000	1,250.000
15.250	1,254.000	1,257.000	1,261.000	1,265.000	1,268.000
15.500	1,272.000	1,275.000	1,279.000	1,282.000	1,286.000
15.750	1,289.000	1,292.000	1,296.000	1,299.000	1,302.000
16.000	1,305.000	1,308.000	1,311.000	1,314.000	1,317.000
16.250	1,320.000	1,323.000	1,326.000	1,329.000	1,332.000
16.500	1,335.000	1,338.000	1,341.000	1,344.000	1,347.000
16.750	1,349.000	1,352.000	1,355.000	1,358.000	1,361.000
17.000	1,363.000	1,366.000	1,369.000	1,372.000	1,374.000
17.250	1,377.000	1,380.000	1,382.000	1,385.000	1,388.000
17.500	1,390.000	1,393.000	1,395.000	1,398.000	1,401.000
17.750	1,403.000	1,406.000	1,408.000	1,411.000	1,413.000
18.000	1,415.000	1,418.000	1,420.000	1,423.000	1,425.000
18.250	1,427.000	1,430.000	1,432.000	1,435.000	1,437.000
18.500	1,439.000	1,441.000	1,444.000	1,446.000	1,448.000
18.750	1,450.000	1,453.000	1,455.000	1,457.000	1,459.000
19.000	1,461.000	1,463.000	1,465.000	1,467.000	1,469.000
19.250	1,472.000	1,474.000	1,476.000	1,478.000	1,480.000
19.500	1,482.000	1,483.000	1,485.000	1,487.000	1,489.000
19.750	1,491.000	1,493.000	1,495.000	1,497.000	1,498.000
20.000	1,500.000	1,502.000	1,504.000	1,506.000	1,507.000
20.250	1,509.000	1,511.000	1,513.000	1,514.000	1,516.000
20.500	1,518.000	1,520.000	1,521.000	1,523.000	1,525.000
20.750	1,527.000	1,528.000	1,530.000	1,532.000	1,533.000
21.000	1,535.000	1,537.000	1,539.000	1,540.000	1,542.000
21.250	1,544.000	1,545.000	1,547.000	1,549.000	1,550.000
21.500	1,552.000	1,554.000	1,555.000	1,557.000	1,559.000
21.750	1,560.000	1,562.000	1,564.000	1,565.000	1,567.000
22.000	1,569.000	1,570.000	1,572.000	1,574.000	1,575.000
22.250	1,577.000	1,579.000	1,580.000	1,582.000	1,584.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 1

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,585.000	1,587.000	1,588.000	1,590.000	1,592.000
22.750	1,593.000	1,595.000	1,596.000	1,598.000	1,600.000
23.000	1,601.000	1,603.000	1,604.000	1,606.000	1,607.000
23.250	1,609.000	1,611.000	1,612.000	1,614.000	1,615.000
23.500	1,617.000	1,618.000	1,620.000	1,622.000	1,623.000
23.750	1,625.000	1,626.000	1,628.000	1,629.000	1,630.000
24.000	1,631.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	1.000
8.250	1.000	1.000	1.000	1.000	2.000
8.500	2.000	2.000	3.000	3.000	4.000
8.750	4.000	5.000	5.000	6.000	6.000
9.000	7.000	8.000	8.000	9.000	10.000
9.250	11.000	12.000	13.000	14.000	14.000
9.500	15.000	17.000	18.000	19.000	20.000
9.750	21.000	22.000	24.000	25.000	27.000
10.000	28.000	30.000	32.000	34.000	35.000
10.250	37.000	40.000	42.000	44.000	47.000
10.500	49.000	52.000	55.000	58.000	61.000
10.750	65.000	68.000	72.000	76.000	80.000
11.000	85.000	90.000	95.000	100.000	106.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	112.000	119.000	127.000	135.000	143.000
11.500	153.000	164.000	179.000	202.000	237.000
11.750	285.000	353.000	447.000	583.000	751.000
12.000	916.000	1,056.000	1,149.000	1,201.000	1,237.000
12.250	1,266.000	1,292.000	1,316.000	1,338.000	1,358.000
12.500	1,377.000	1,394.000	1,409.000	1,424.000	1,437.000
12.750	1,451.000	1,464.000	1,476.000	1,488.000	1,500.000
13.000	1,511.000	1,522.000	1,533.000	1,543.000	1,553.000
13.250	1,563.000	1,572.000	1,581.000	1,590.000	1,599.000
13.500	1,608.000	1,616.000	1,624.000	1,632.000	1,640.000
13.750	1,648.000	1,655.000	1,662.000	1,669.000	1,676.000
14.000	1,683.000	1,690.000	1,696.000	1,703.000	1,709.000
14.250	1,715.000	1,721.000	1,727.000	1,734.000	1,740.000
14.500	1,745.000	1,751.000	1,757.000	1,763.000	1,769.000
14.750	1,774.000	1,780.000	1,786.000	1,791.000	1,797.000
15.000	1,802.000	1,807.000	1,813.000	1,818.000	1,823.000
15.250	1,828.000	1,833.000	1,838.000	1,843.000	1,848.000
15.500	1,853.000	1,857.000	1,862.000	1,867.000	1,871.000
15.750	1,876.000	1,880.000	1,885.000	1,889.000	1,893.000
16.000	1,897.000	1,901.000	1,906.000	1,910.000	1,914.000
16.250	1,918.000	1,922.000	1,926.000	1,930.000	1,934.000
16.500	1,937.000	1,941.000	1,945.000	1,949.000	1,953.000
16.750	1,957.000	1,960.000	1,964.000	1,968.000	1,972.000
17.000	1,975.000	1,979.000	1,983.000	1,986.000	1,990.000
17.250	1,994.000	1,997.000	2,001.000	2,004.000	2,008.000
17.500	2,011.000	2,015.000	2,018.000	2,022.000	2,025.000
17.750	2,028.000	2,032.000	2,035.000	2,038.000	2,042.000
18.000	2,045.000	2,048.000	2,051.000	2,055.000	2,058.000
18.250	2,061.000	2,064.000	2,067.000	2,070.000	2,073.000
18.500	2,076.000	2,080.000	2,083.000	2,086.000	2,088.000
18.750	2,091.000	2,094.000	2,097.000	2,100.000	2,103.000
19.000	2,106.000	2,109.000	2,111.000	2,114.000	2,117.000
19.250	2,120.000	2,122.000	2,125.000	2,128.000	2,130.000
19.500	2,133.000	2,136.000	2,138.000	2,141.000	2,143.000
19.750	2,146.000	2,148.000	2,151.000	2,153.000	2,156.000
20.000	2,158.000	2,160.000	2,163.000	2,165.000	2,167.000
20.250	2,170.000	2,172.000	2,174.000	2,177.000	2,179.000
20.500	2,181.000	2,184.000	2,186.000	2,188.000	2,191.000
20.750	2,193.000	2,195.000	2,198.000	2,200.000	2,202.000
21.000	2,204.000	2,207.000	2,209.000	2,211.000	2,213.000
21.250	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
21.500	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
21.750	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
22.000	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
22.250	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
22.750	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
23.000	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
23.250	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
23.500	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
23.750	2,214.000	2,214.000	2,214.000	2,214.000	2,214.000
24.000	2,214.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	1.000	1.000	1.000
7.500	1.000	1.000	2.000	2.000	2.000
7.750	3.000	3.000	3.000	4.000	4.000
8.000	5.000	5.000	6.000	6.000	7.000
8.250	7.000	8.000	9.000	9.000	10.000
8.500	11.000	12.000	13.000	14.000	15.000
8.750	16.000	17.000	18.000	19.000	20.000
9.000	22.000	23.000	24.000	26.000	27.000
9.250	29.000	31.000	32.000	34.000	36.000
9.500	37.000	39.000	41.000	43.000	45.000
9.750	47.000	49.000	52.000	54.000	56.000
10.000	59.000	62.000	64.000	67.000	70.000
10.250	74.000	77.000	80.000	84.000	88.000
10.500	92.000	96.000	100.000	105.000	110.000
10.750	115.000	120.000	126.000	132.000	138.000
11.000	145.000	151.000	159.000	167.000	175.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	184.000	194.000	204.000	215.000	227.000
11.500	240.000	256.000	277.000	309.000	355.000
11.750	420.000	509.000	633.000	809.000	1,022.000
12.000	1,231.000	1,407.000	1,524.000	1,588.000	1,632.000
12.250	1,669.000	1,701.000	1,731.000	1,758.000	1,783.000
12.500	1,806.000	1,827.000	1,846.000	1,864.000	1,881.000
12.750	1,898.000	1,914.000	1,929.000	1,944.000	1,958.000
13.000	1,972.000	1,986.000	1,999.000	2,011.000	2,024.000
13.250	2,036.000	2,047.000	2,059.000	2,070.000	2,081.000
13.500	2,091.000	2,101.000	2,111.000	2,121.000	2,131.000
13.750	2,140.000	2,149.000	2,158.000	2,167.000	2,175.000
14.000	2,184.000	2,192.000	2,200.000	2,208.000	2,214.000
14.250	2,217.000	2,218.000	2,218.000	2,218.000	2,218.000
14.500	2,218.000	2,218.000	2,218.000	2,217.000	2,217.000
14.750	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
15.000	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
15.250	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
15.500	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
15.750	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
16.000	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
16.250	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
16.500	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
16.750	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
17.000	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
17.250	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
17.500	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
17.750	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
18.000	2,216.000	2,215.000	2,215.000	2,215.000	2,215.000
18.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
18.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
18.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
19.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
19.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
19.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
19.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
22.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
22.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
22.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
24.000	2,215.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	1.000	1.000	1.000
6.500	1.000	2.000	2.000	2.000	2.000
6.750	3.000	3.000	4.000	4.000	5.000
7.000	5.000	6.000	6.000	7.000	8.000
7.250	8.000	9.000	10.000	11.000	11.000
7.500	12.000	13.000	14.000	15.000	16.000
7.750	17.000	18.000	19.000	20.000	21.000
8.000	22.000	24.000	25.000	26.000	27.000
8.250	29.000	30.000	32.000	33.000	35.000
8.500	37.000	39.000	40.000	42.000	44.000
8.750	47.000	49.000	51.000	53.000	56.000
9.000	58.000	61.000	64.000	66.000	69.000
9.250	72.000	75.000	78.000	81.000	84.000
9.500	87.000	90.000	94.000	97.000	100.000
9.750	104.000	108.000	111.000	115.000	120.000
10.000	124.000	128.000	133.000	138.000	143.000
10.250	148.000	153.000	159.000	165.000	171.000
10.500	177.000	184.000	191.000	198.000	206.000
10.750	213.000	222.000	231.000	240.000	249.000
11.000	259.000	270.000	281.000	293.000	305.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	319.000	333.000	349.000	365.000	383.000
11.500	402.000	424.000	455.000	501.000	566.000
11.750	659.000	783.000	953.000	1,191.000	1,478.000
12.000	1,755.000	1,987.000	2,141.000	2,220.000	2,246.000
12.250	2,243.000	2,240.000	2,237.000	2,236.000	2,234.000
12.500	2,232.000	2,230.000	2,229.000	2,228.000	2,227.000
12.750	2,226.000	2,226.000	2,226.000	2,225.000	2,225.000
13.000	2,224.000	2,224.000	2,224.000	2,223.000	2,223.000
13.250	2,223.000	2,222.000	2,222.000	2,222.000	2,222.000
13.500	2,222.000	2,221.000	2,221.000	2,221.000	2,221.000
13.750	2,221.000	2,220.000	2,220.000	2,220.000	2,220.000
14.000	2,220.000	2,220.000	2,219.000	2,219.000	2,219.000
14.250	2,219.000	2,219.000	2,219.000	2,219.000	2,219.000
14.500	2,219.000	2,219.000	2,219.000	2,219.000	2,219.000
14.750	2,219.000	2,219.000	2,218.000	2,218.000	2,218.000
15.000	2,218.000	2,218.000	2,218.000	2,218.000	2,218.000
15.250	2,218.000	2,218.000	2,218.000	2,218.000	2,218.000
15.500	2,218.000	2,218.000	2,218.000	2,218.000	2,217.000
15.750	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
16.000	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
16.250	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
16.500	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
16.750	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
17.000	2,217.000	2,217.000	2,217.000	2,217.000	2,217.000
17.250	2,217.000	2,217.000	2,216.000	2,216.000	2,216.000
17.500	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
17.750	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
18.000	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
18.250	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
18.500	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
18.750	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
19.000	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
19.250	2,216.000	2,216.000	2,216.000	2,216.000	2,216.000
19.500	2,216.000	2,216.000	2,216.000	2,215.000	2,215.000
19.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
20.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
21.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
22.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
22.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
22.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.000	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.250	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.500	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
23.750	2,215.000	2,215.000	2,215.000	2,215.000	2,215.000
24.000	2,215.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	1.000	1.000
5.750	1.000	1.000	2.000	2.000	2.000
6.000	3.000	3.000	4.000	4.000	5.000
6.250	5.000	6.000	6.000	7.000	8.000
6.500	9.000	9.000	10.000	11.000	12.000
6.750	13.000	14.000	15.000	16.000	17.000
7.000	18.000	19.000	20.000	22.000	23.000
7.250	24.000	26.000	27.000	29.000	30.000
7.500	32.000	33.000	35.000	36.000	38.000
7.750	40.000	42.000	43.000	45.000	47.000
8.000	49.000	51.000	53.000	55.000	57.000
8.250	60.000	62.000	64.000	67.000	70.000
8.500	72.000	75.000	78.000	81.000	84.000
8.750	87.000	91.000	94.000	98.000	102.000
9.000	105.000	109.000	113.000	117.000	121.000
9.250	126.000	130.000	134.000	139.000	143.000
9.500	148.000	152.000	157.000	162.000	167.000
9.750	172.000	177.000	182.000	188.000	194.000
10.000	200.000	206.000	213.000	219.000	226.000
10.250	234.000	241.000	249.000	257.000	265.000
10.500	274.000	283.000	293.000	302.000	313.000
10.750	323.000	335.000	347.000	359.000	372.000
11.000	385.000	399.000	414.000	430.000	447.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	465.000	484.000	504.000	526.000	549.000
11.500	574.000	603.000	644.000	702.000	787.000
11.750	905.000	1,063.000	1,277.000	1,574.000	1,734.000
12.000	1,723.000	1,715.000	1,697.000	1,685.000	1,676.000
12.250	1,668.000	1,663.000	1,660.000	1,658.000	1,656.000
12.500	1,653.000	1,651.000	1,650.000	1,648.000	1,648.000
12.750	1,647.000	1,646.000	1,646.000	1,645.000	1,645.000
13.000	1,644.000	1,644.000	1,643.000	1,643.000	1,643.000
13.250	1,642.000	1,642.000	1,642.000	1,641.000	1,641.000
13.500	1,641.000	1,641.000	1,640.000	1,640.000	1,640.000
13.750	1,640.000	1,640.000	1,639.000	1,639.000	1,639.000
14.000	1,639.000	1,639.000	1,638.000	1,638.000	1,638.000
14.250	1,638.000	1,638.000	1,638.000	1,638.000	1,638.000
14.500	1,638.000	1,638.000	1,638.000	1,638.000	1,637.000
14.750	1,637.000	1,637.000	1,637.000	1,637.000	1,637.000
15.000	1,637.000	1,637.000	1,637.000	1,637.000	1,637.000
15.250	1,637.000	1,637.000	1,637.000	1,636.000	1,636.000
15.500	1,636.000	1,636.000	1,636.000	1,636.000	1,636.000
15.750	1,636.000	1,636.000	1,636.000	1,636.000	1,636.000
16.000	1,636.000	1,636.000	1,635.000	1,635.000	1,635.000
16.250	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
16.500	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
16.750	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
17.000	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
17.250	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
17.500	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
17.750	1,635.000	1,635.000	1,635.000	1,635.000	1,634.000
18.000	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
18.250	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
18.500	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
18.750	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
19.000	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
19.250	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
19.500	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
19.750	1,634.000	1,634.000	1,633.000	1,633.000	1,633.000
20.000	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
20.250	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
20.500	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
20.750	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
21.000	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
21.250	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
21.500	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
21.750	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
22.000	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
22.250	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000

Post-Development Conditions

Subsection: Time vs. Volume

Label: Trench 1

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
22.750	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
23.000	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
23.250	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
23.500	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
23.750	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
24.000	1,633.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	1.000	1.000	1.000	1.000	2.000
5.250	2.000	3.000	3.000	3.000	4.000
5.500	5.000	5.000	6.000	7.000	7.000
5.750	8.000	9.000	10.000	11.000	12.000
6.000	13.000	14.000	15.000	16.000	17.000
6.250	18.000	20.000	21.000	22.000	24.000
6.500	25.000	27.000	28.000	30.000	31.000
6.750	33.000	35.000	37.000	38.000	40.000
7.000	42.000	44.000	46.000	48.000	51.000
7.250	53.000	55.000	57.000	60.000	62.000
7.500	64.000	67.000	70.000	72.000	75.000
7.750	77.000	80.000	83.000	86.000	89.000
8.000	92.000	95.000	98.000	101.000	104.000
8.250	108.000	111.000	115.000	119.000	123.000
8.500	127.000	131.000	135.000	140.000	144.000
8.750	149.000	154.000	159.000	164.000	169.000
9.000	175.000	180.000	186.000	192.000	198.000
9.250	204.000	210.000	216.000	222.000	228.000
9.500	234.000	241.000	247.000	254.000	261.000
9.750	268.000	275.000	282.000	290.000	298.000
10.000	306.000	315.000	324.000	333.000	342.000
10.250	352.000	362.000	373.000	384.000	395.000
10.500	407.000	419.000	431.000	445.000	458.000
10.750	473.000	488.000	503.000	519.000	536.000
11.000	554.000	572.000	592.000	612.000	634.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	658.000	683.000	710.000	738.000	768.000
11.500	799.000	837.000	889.000	964.000	1,071.000
11.750	1,220.000	1,418.000	1,661.000	1,747.000	1,747.000
12.000	1,747.000	1,747.000	1,744.000	1,638.000	1,679.000
12.250	1,675.000	1,670.000	1,667.000	1,664.000	1,661.000
12.500	1,658.000	1,656.000	1,654.000	1,652.000	1,651.000
12.750	1,650.000	1,650.000	1,649.000	1,648.000	1,648.000
13.000	1,647.000	1,646.000	1,646.000	1,645.000	1,645.000
13.250	1,645.000	1,644.000	1,644.000	1,644.000	1,643.000
13.500	1,643.000	1,643.000	1,642.000	1,642.000	1,642.000
13.750	1,642.000	1,641.000	1,641.000	1,641.000	1,641.000
14.000	1,640.000	1,640.000	1,640.000	1,640.000	1,640.000
14.250	1,640.000	1,639.000	1,639.000	1,639.000	1,639.000
14.500	1,639.000	1,639.000	1,639.000	1,639.000	1,639.000
14.750	1,639.000	1,639.000	1,639.000	1,638.000	1,638.000
15.000	1,638.000	1,638.000	1,638.000	1,638.000	1,638.000
15.250	1,638.000	1,638.000	1,638.000	1,638.000	1,638.000
15.500	1,637.000	1,637.000	1,637.000	1,637.000	1,637.000
15.750	1,637.000	1,637.000	1,637.000	1,637.000	1,637.000
16.000	1,637.000	1,636.000	1,636.000	1,636.000	1,636.000
16.250	1,636.000	1,636.000	1,636.000	1,636.000	1,636.000
16.500	1,636.000	1,636.000	1,636.000	1,636.000	1,636.000
16.750	1,636.000	1,636.000	1,636.000	1,636.000	1,636.000
17.000	1,636.000	1,636.000	1,636.000	1,636.000	1,636.000
17.250	1,636.000	1,636.000	1,636.000	1,636.000	1,636.000
17.500	1,636.000	1,635.000	1,635.000	1,635.000	1,635.000
17.750	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
18.000	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
18.250	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
18.500	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
18.750	1,635.000	1,635.000	1,635.000	1,635.000	1,635.000
19.000	1,635.000	1,635.000	1,635.000	1,634.000	1,634.000
19.250	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
19.500	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
19.750	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
20.000	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
20.250	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
20.500	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
20.750	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
21.000	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
21.250	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
21.500	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
21.750	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
22.000	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
22.250	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
22.750	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
23.000	1,634.000	1,634.000	1,634.000	1,634.000	1,634.000
23.250	1,634.000	1,633.000	1,633.000	1,633.000	1,633.000
23.500	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
23.750	1,633.000	1,633.000	1,633.000	1,633.000	1,633.000
24.000	1,633.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 2

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	0.000	0.000	0.000	0.000	0.000
9.500	1.000	1.000	1.000	1.000	2.000
9.750	2.000	2.000	3.000	3.000	4.000
10.000	4.000	5.000	6.000	6.000	7.000
10.250	8.000	9.000	10.000	11.000	12.000
10.500	14.000	15.000	17.000	18.000	20.000
10.750	22.000	24.000	26.000	29.000	31.000
11.000	34.000	37.000	40.000	44.000	48.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 2

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	52.000	56.000	62.000	67.000	73.000
11.500	80.000	89.000	102.000	122.000	152.000
11.750	197.000	258.000	351.000	486.000	637.000
12.000	777.000	884.000	942.000	973.000	1,000.000
12.250	1,024.000	1,046.000	1,067.000	1,086.000	1,103.000
12.500	1,119.000	1,134.000	1,147.000	1,160.000	1,173.000
12.750	1,185.000	1,196.000	1,208.000	1,218.000	1,229.000
13.000	1,239.000	1,249.000	1,258.000	1,268.000	1,277.000
13.250	1,286.000	1,294.000	1,303.000	1,311.000	1,319.000
13.500	1,327.000	1,334.000	1,342.000	1,349.000	1,356.000
13.750	1,363.000	1,370.000	1,376.000	1,383.000	1,389.000
14.000	1,395.000	1,401.000	1,407.000	1,413.000	1,419.000
14.250	1,425.000	1,431.000	1,436.000	1,442.000	1,447.000
14.500	1,453.000	1,458.000	1,464.000	1,469.000	1,475.000
14.750	1,480.000	1,485.000	1,490.000	1,495.000	1,500.000
15.000	1,505.000	1,510.000	1,515.000	1,520.000	1,525.000
15.250	1,529.000	1,534.000	1,539.000	1,543.000	1,548.000
15.500	1,552.000	1,557.000	1,561.000	1,565.000	1,569.000
15.750	1,574.000	1,578.000	1,582.000	1,586.000	1,590.000
16.000	1,594.000	1,598.000	1,601.000	1,605.000	1,609.000
16.250	1,613.000	1,616.000	1,620.000	1,624.000	1,627.000
16.500	1,631.000	1,635.000	1,638.000	1,642.000	1,645.000
16.750	1,649.000	1,653.000	1,656.000	1,660.000	1,663.000
17.000	1,667.000	1,670.000	1,673.000	1,677.000	1,680.000
17.250	1,684.000	1,687.000	1,690.000	1,694.000	1,697.000
17.500	1,700.000	1,703.000	1,707.000	1,710.000	1,713.000
17.750	1,716.000	1,719.000	1,722.000	1,726.000	1,729.000
18.000	1,732.000	1,735.000	1,738.000	1,741.000	1,744.000
18.250	1,747.000	1,750.000	1,753.000	1,755.000	1,758.000
18.500	1,761.000	1,764.000	1,767.000	1,770.000	1,773.000
18.750	1,775.000	1,778.000	1,781.000	1,783.000	1,786.000
19.000	1,789.000	1,791.000	1,794.000	1,797.000	1,799.000
19.250	1,802.000	1,804.000	1,807.000	1,809.000	1,812.000
19.500	1,814.000	1,817.000	1,819.000	1,821.000	1,822.000
19.750	1,824.000	1,825.000	1,826.000	1,827.000	1,828.000
20.000	1,829.000	1,830.000	1,830.000	1,831.000	1,831.000
20.250	1,832.000	1,832.000	1,833.000	1,833.000	1,833.000
20.500	1,833.000	1,834.000	1,834.000	1,834.000	1,834.000
20.750	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
21.000	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
21.250	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
21.500	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
21.750	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
22.000	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
22.250	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 2

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
22.750	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
23.000	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
23.250	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
23.500	1,834.000	1,834.000	1,834.000	1,834.000	1,833.000
23.750	1,833.000	1,833.000	1,833.000	1,833.000	1,833.000
24.000	1,833.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	1.000	1.000
8.750	1.000	1.000	2.000	2.000	3.000
9.000	3.000	4.000	4.000	5.000	5.000
9.250	6.000	7.000	7.000	8.000	9.000
9.500	10.000	11.000	12.000	13.000	14.000
9.750	15.000	16.000	17.000	19.000	20.000
10.000	22.000	23.000	25.000	27.000	29.000
10.250	31.000	33.000	35.000	38.000	40.000
10.500	43.000	46.000	49.000	52.000	55.000
10.750	59.000	63.000	67.000	71.000	76.000
11.000	80.000	86.000	91.000	97.000	104.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	111.000	118.000	127.000	136.000	145.000
11.500	156.000	170.000	190.000	221.000	267.000
11.750	332.000	421.000	551.000	738.000	943.000
12.000	1,132.000	1,274.000	1,350.000	1,392.000	1,426.000
12.250	1,458.000	1,487.000	1,514.000	1,539.000	1,562.000
12.500	1,583.000	1,602.000	1,620.000	1,636.000	1,653.000
12.750	1,668.000	1,683.000	1,698.000	1,712.000	1,726.000
13.000	1,739.000	1,752.000	1,764.000	1,776.000	1,788.000
13.250	1,799.000	1,811.000	1,821.000	1,831.000	1,837.000
13.500	1,840.000	1,840.000	1,840.000	1,840.000	1,840.000
13.750	1,840.000	1,840.000	1,839.000	1,839.000	1,839.000
14.000	1,839.000	1,839.000	1,839.000	1,839.000	1,838.000
14.250	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
14.500	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
14.750	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
15.000	1,838.000	1,838.000	1,837.000	1,837.000	1,837.000
15.250	1,837.000	1,837.000	1,837.000	1,837.000	1,837.000
15.500	1,837.000	1,837.000	1,837.000	1,837.000	1,837.000
15.750	1,837.000	1,837.000	1,837.000	1,837.000	1,836.000
16.000	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
16.250	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
16.500	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
16.750	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
17.000	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
17.250	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
17.500	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
17.750	1,836.000	1,836.000	1,836.000	1,836.000	1,836.000
18.000	1,836.000	1,835.000	1,835.000	1,835.000	1,835.000
18.250	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
18.500	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
18.750	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
19.000	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
19.250	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
19.500	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
19.750	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
20.000	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
20.250	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
20.500	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
20.750	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
21.000	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
21.250	1,835.000	1,835.000	1,835.000	1,835.000	1,835.000
21.500	1,835.000	1,835.000	1,834.000	1,834.000	1,834.000
21.750	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
22.000	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
22.250	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
22.750	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
23.000	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
23.250	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
23.500	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
23.750	1,834.000	1,834.000	1,834.000	1,834.000	1,834.000
24.000	1,834.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	1.000	1.000	1.000	1.000	2.000
7.750	2.000	2.000	3.000	3.000	3.000
8.000	4.000	4.000	5.000	5.000	6.000
8.250	7.000	7.000	8.000	9.000	10.000
8.500	11.000	12.000	13.000	14.000	15.000
8.750	16.000	18.000	19.000	20.000	22.000
9.000	23.000	25.000	27.000	29.000	30.000
9.250	32.000	34.000	36.000	38.000	40.000
9.500	42.000	45.000	47.000	49.000	52.000
9.750	54.000	57.000	60.000	63.000	66.000
10.000	69.000	72.000	76.000	79.000	83.000
10.250	87.000	91.000	96.000	100.000	105.000
10.500	110.000	115.000	121.000	127.000	133.000
10.750	139.000	146.000	153.000	161.000	169.000
11.000	177.000	186.000	195.000	206.000	217.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	228.000	241.000	255.000	270.000	285.000
11.500	302.000	324.000	356.000	405.000	475.000
11.750	573.000	705.000	894.000	1,160.000	1,449.000
12.000	1,710.000	1,905.000	2,009.000	2,066.000	2,113.000
12.250	2,156.000	2,196.000	2,232.000	2,263.000	2,281.000
12.500	2,285.000	2,284.000	2,283.000	2,282.000	2,282.000
12.750	2,282.000	2,281.000	2,281.000	2,281.000	2,280.000
13.000	2,280.000	2,280.000	2,279.000	2,279.000	2,279.000
13.250	2,279.000	2,278.000	2,278.000	2,278.000	2,278.000
13.500	2,278.000	2,278.000	2,277.000	2,277.000	2,277.000
13.750	2,277.000	2,277.000	2,277.000	2,276.000	2,276.000
14.000	2,276.000	2,275.000	2,274.000	2,274.000	2,273.000
14.250	2,273.000	2,272.000	2,272.000	2,272.000	2,271.000
14.500	2,271.000	2,271.000	2,270.000	2,270.000	2,270.000
14.750	2,269.000	2,269.000	2,269.000	2,268.000	2,268.000
15.000	2,268.000	2,268.000	2,267.000	2,267.000	2,267.000
15.250	2,266.000	2,266.000	2,266.000	2,265.000	2,265.000
15.500	2,265.000	2,264.000	2,264.000	2,264.000	2,263.000
15.750	2,263.000	2,263.000	2,263.000	2,262.000	2,262.000
16.000	2,262.000	2,261.000	2,261.000	2,261.000	2,261.000
16.250	2,260.000	2,260.000	2,260.000	2,260.000	2,260.000
16.500	2,260.000	2,259.000	2,259.000	2,259.000	2,259.000
16.750	2,259.000	2,259.000	2,259.000	2,259.000	2,259.000
17.000	2,258.000	2,258.000	2,258.000	2,258.000	2,258.000
17.250	2,258.000	2,258.000	2,258.000	2,258.000	2,257.000
17.500	2,257.000	2,257.000	2,257.000	2,257.000	2,257.000
17.750	2,257.000	2,257.000	2,257.000	2,256.000	2,256.000
18.000	2,256.000	2,256.000	2,256.000	2,256.000	2,256.000
18.250	2,256.000	2,256.000	2,255.000	2,255.000	2,255.000
18.500	2,255.000	2,255.000	2,255.000	2,255.000	2,255.000
18.750	2,254.000	2,254.000	2,254.000	2,254.000	2,254.000
19.000	2,254.000	2,254.000	2,254.000	2,254.000	2,253.000
19.250	2,253.000	2,253.000	2,253.000	2,253.000	2,253.000
19.500	2,253.000	2,253.000	2,253.000	2,252.000	2,252.000
19.750	2,252.000	2,252.000	2,252.000	2,252.000	2,252.000
20.000	2,252.000	2,251.000	2,251.000	2,251.000	2,251.000
20.250	2,251.000	2,251.000	2,251.000	2,251.000	2,251.000
20.500	2,251.000	2,251.000	2,251.000	2,251.000	2,251.000
20.750	2,251.000	2,251.000	2,251.000	2,251.000	2,251.000
21.000	2,251.000	2,251.000	2,251.000	2,251.000	2,251.000
21.250	2,251.000	2,251.000	2,251.000	2,251.000	2,251.000
21.500	2,251.000	2,250.000	2,250.000	2,250.000	2,250.000
21.750	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000
22.000	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000
22.250	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000
22.750	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000
23.000	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000
23.250	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000
23.500	2,250.000	2,250.000	2,250.000	2,250.000	2,250.000
23.750	2,250.000	2,249.000	2,249.000	2,249.000	2,249.000
24.000	2,249.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	1.000
6.750	1.000	1.000	1.000	2.000	2.000
7.000	2.000	3.000	3.000	4.000	4.000
7.250	5.000	5.000	6.000	7.000	7.000
7.500	8.000	9.000	10.000	11.000	11.000
7.750	12.000	13.000	14.000	15.000	17.000
8.000	18.000	19.000	20.000	21.000	23.000
8.250	24.000	26.000	27.000	29.000	31.000
8.500	32.000	34.000	36.000	38.000	40.000
8.750	43.000	45.000	47.000	50.000	53.000
9.000	55.000	58.000	61.000	64.000	67.000
9.250	70.000	73.000	77.000	80.000	83.000
9.500	87.000	90.000	94.000	97.000	101.000
9.750	105.000	109.000	114.000	118.000	123.000
10.000	128.000	133.000	138.000	144.000	149.000
10.250	155.000	161.000	168.000	175.000	182.000
10.500	189.000	197.000	205.000	213.000	222.000
10.750	231.000	241.000	251.000	262.000	273.000
11.000	285.000	297.000	311.000	325.000	340.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	356.000	374.000	393.000	413.000	434.000
11.500	457.000	487.000	530.000	595.000	688.000
11.750	817.000	988.000	1,230.000	1,568.000	1,931.000
12.000	2,255.000	2,365.000	2,319.000	2,307.000	2,301.000
12.250	2,298.000	2,296.000	2,294.000	2,292.000	2,291.000
12.500	2,289.000	2,287.000	2,286.000	2,285.000	2,285.000
12.750	2,284.000	2,284.000	2,283.000	2,283.000	2,282.000
13.000	2,282.000	2,282.000	2,281.000	2,281.000	2,281.000
13.250	2,280.000	2,280.000	2,280.000	2,280.000	2,280.000
13.500	2,279.000	2,279.000	2,279.000	2,279.000	2,278.000
13.750	2,278.000	2,278.000	2,278.000	2,278.000	2,278.000
14.000	2,277.000	2,277.000	2,277.000	2,277.000	2,277.000
14.250	2,277.000	2,277.000	2,277.000	2,277.000	2,277.000
14.500	2,277.000	2,277.000	2,277.000	2,276.000	2,276.000
14.750	2,276.000	2,276.000	2,275.000	2,275.000	2,275.000
15.000	2,274.000	2,274.000	2,273.000	2,273.000	2,273.000
15.250	2,272.000	2,272.000	2,272.000	2,271.000	2,271.000
15.500	2,270.000	2,270.000	2,270.000	2,269.000	2,269.000
15.750	2,268.000	2,268.000	2,268.000	2,267.000	2,267.000
16.000	2,267.000	2,266.000	2,266.000	2,266.000	2,265.000
16.250	2,265.000	2,265.000	2,265.000	2,264.000	2,264.000
16.500	2,264.000	2,264.000	2,264.000	2,264.000	2,264.000
16.750	2,263.000	2,263.000	2,263.000	2,263.000	2,263.000
17.000	2,263.000	2,263.000	2,262.000	2,262.000	2,262.000
17.250	2,262.000	2,262.000	2,262.000	2,262.000	2,261.000
17.500	2,261.000	2,261.000	2,261.000	2,261.000	2,261.000
17.750	2,261.000	2,260.000	2,260.000	2,260.000	2,260.000
18.000	2,260.000	2,260.000	2,260.000	2,260.000	2,259.000
18.250	2,259.000	2,259.000	2,259.000	2,259.000	2,259.000
18.500	2,259.000	2,258.000	2,258.000	2,258.000	2,258.000
18.750	2,258.000	2,258.000	2,258.000	2,257.000	2,257.000
19.000	2,257.000	2,257.000	2,257.000	2,257.000	2,257.000
19.250	2,256.000	2,256.000	2,256.000	2,256.000	2,256.000
19.500	2,256.000	2,256.000	2,255.000	2,255.000	2,255.000
19.750	2,255.000	2,255.000	2,255.000	2,255.000	2,254.000
20.000	2,254.000	2,254.000	2,254.000	2,254.000	2,254.000
20.250	2,254.000	2,254.000	2,254.000	2,254.000	2,254.000
20.500	2,254.000	2,254.000	2,254.000	2,253.000	2,253.000
20.750	2,253.000	2,253.000	2,253.000	2,253.000	2,253.000
21.000	2,253.000	2,253.000	2,253.000	2,253.000	2,253.000
21.250	2,253.000	2,253.000	2,253.000	2,253.000	2,253.000
21.500	2,253.000	2,253.000	2,253.000	2,253.000	2,253.000
21.750	2,253.000	2,253.000	2,253.000	2,253.000	2,253.000
22.000	2,253.000	2,253.000	2,253.000	2,253.000	2,253.000
22.250	2,253.000	2,253.000	2,253.000	2,253.000	2,252.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	2,252.000	2,252.000	2,252.000	2,252.000	2,252.000
22.750	2,252.000	2,252.000	2,252.000	2,252.000	2,252.000
23.000	2,252.000	2,252.000	2,252.000	2,252.000	2,252.000
23.250	2,252.000	2,252.000	2,252.000	2,252.000	2,252.000
23.500	2,252.000	2,252.000	2,252.000	2,252.000	2,252.000
23.750	2,252.000	2,252.000	2,252.000	2,252.000	2,252.000
24.000	2,252.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	1.000	1.000	1.000	2.000
6.000	2.000	2.000	3.000	3.000	4.000
6.250	5.000	5.000	6.000	7.000	7.000
6.500	8.000	9.000	10.000	11.000	12.000
6.750	13.000	14.000	15.000	17.000	18.000
7.000	19.000	21.000	22.000	23.000	25.000
7.250	27.000	28.000	30.000	32.000	33.000
7.500	35.000	37.000	39.000	41.000	43.000
7.750	45.000	47.000	49.000	52.000	54.000
8.000	56.000	59.000	61.000	64.000	67.000
8.250	70.000	72.000	75.000	79.000	82.000
8.500	85.000	89.000	93.000	96.000	100.000
8.750	104.000	108.000	113.000	117.000	122.000
9.000	127.000	132.000	137.000	142.000	147.000
9.250	152.000	158.000	163.000	169.000	174.000
9.500	180.000	185.000	191.000	197.000	204.000
9.750	210.000	217.000	224.000	231.000	239.000
10.000	246.000	254.000	263.000	271.000	280.000
10.250	290.000	299.000	309.000	320.000	331.000
10.500	342.000	354.000	366.000	379.000	392.000
10.750	406.000	421.000	436.000	452.000	469.000
11.000	486.000	505.000	524.000	545.000	567.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	591.000	617.000	644.000	673.000	703.000
11.500	736.000	779.000	840.000	931.000	1,060.000
11.750	1,238.000	1,473.000	1,800.000	2,248.000	2,421.000
12.000	2,379.000	2,375.000	2,330.000	2,318.000	2,310.000
12.250	2,306.000	2,304.000	2,301.000	2,299.000	2,296.000
12.500	2,294.000	2,292.000	2,290.000	2,289.000	2,289.000
12.750	2,288.000	2,287.000	2,287.000	2,286.000	2,286.000
13.000	2,285.000	2,285.000	2,284.000	2,284.000	2,284.000
13.250	2,283.000	2,283.000	2,283.000	2,282.000	2,282.000
13.500	2,282.000	2,281.000	2,281.000	2,281.000	2,281.000
13.750	2,280.000	2,280.000	2,280.000	2,280.000	2,280.000
14.000	2,279.000	2,279.000	2,279.000	2,279.000	2,279.000
14.250	2,279.000	2,279.000	2,279.000	2,279.000	2,278.000
14.500	2,278.000	2,278.000	2,278.000	2,278.000	2,278.000
14.750	2,278.000	2,278.000	2,278.000	2,278.000	2,278.000
15.000	2,278.000	2,278.000	2,277.000	2,277.000	2,277.000
15.250	2,277.000	2,277.000	2,277.000	2,277.000	2,277.000
15.500	2,277.000	2,277.000	2,277.000	2,277.000	2,276.000
15.750	2,276.000	2,276.000	2,275.000	2,275.000	2,275.000
16.000	2,274.000	2,274.000	2,273.000	2,273.000	2,272.000
16.250	2,272.000	2,272.000	2,272.000	2,271.000	2,271.000
16.500	2,271.000	2,271.000	2,271.000	2,271.000	2,270.000
16.750	2,270.000	2,270.000	2,270.000	2,270.000	2,269.000
17.000	2,269.000	2,269.000	2,269.000	2,269.000	2,269.000
17.250	2,268.000	2,268.000	2,268.000	2,268.000	2,268.000
17.500	2,267.000	2,267.000	2,267.000	2,267.000	2,267.000
17.750	2,267.000	2,266.000	2,266.000	2,266.000	2,266.000
18.000	2,266.000	2,266.000	2,265.000	2,265.000	2,265.000
18.250	2,265.000	2,265.000	2,264.000	2,264.000	2,264.000
18.500	2,264.000	2,264.000	2,264.000	2,263.000	2,263.000
18.750	2,263.000	2,263.000	2,263.000	2,262.000	2,262.000
19.000	2,262.000	2,262.000	2,262.000	2,262.000	2,261.000
19.250	2,261.000	2,261.000	2,261.000	2,261.000	2,261.000
19.500	2,260.000	2,260.000	2,260.000	2,260.000	2,260.000
19.750	2,259.000	2,259.000	2,259.000	2,259.000	2,259.000
20.000	2,259.000	2,258.000	2,258.000	2,258.000	2,258.000
20.250	2,258.000	2,258.000	2,258.000	2,258.000	2,258.000
20.500	2,258.000	2,258.000	2,257.000	2,257.000	2,257.000
20.750	2,257.000	2,257.000	2,257.000	2,257.000	2,257.000
21.000	2,257.000	2,257.000	2,257.000	2,257.000	2,257.000
21.250	2,257.000	2,257.000	2,257.000	2,257.000	2,257.000
21.500	2,257.000	2,257.000	2,257.000	2,257.000	2,257.000
21.750	2,257.000	2,257.000	2,257.000	2,257.000	2,257.000
22.000	2,256.000	2,256.000	2,256.000	2,256.000	2,256.000
22.250	2,256.000	2,256.000	2,256.000	2,256.000	2,256.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	2,256.000	2,256.000	2,256.000	2,256.000	2,256.000
22.750	2,256.000	2,256.000	2,256.000	2,256.000	2,256.000
23.000	2,256.000	2,256.000	2,256.000	2,256.000	2,256.000
23.250	2,256.000	2,256.000	2,256.000	2,255.000	2,255.000
23.500	2,255.000	2,255.000	2,255.000	2,255.000	2,255.000
23.750	2,255.000	2,255.000	2,255.000	2,255.000	2,255.000
24.000	2,255.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	1.000	1.000	1.000
5.250	1.000	2.000	2.000	3.000	3.000
5.500	4.000	5.000	5.000	6.000	7.000
5.750	8.000	9.000	10.000	11.000	12.000
6.000	13.000	14.000	15.000	17.000	18.000
6.250	19.000	21.000	22.000	24.000	26.000
6.500	27.000	29.000	31.000	33.000	35.000
6.750	37.000	39.000	41.000	43.000	46.000
7.000	48.000	50.000	53.000	55.000	58.000
7.250	61.000	63.000	66.000	69.000	72.000
7.500	75.000	78.000	81.000	84.000	88.000
7.750	91.000	94.000	98.000	101.000	105.000
8.000	109.000	112.000	116.000	120.000	124.000
8.250	129.000	133.000	138.000	143.000	147.000
8.500	153.000	158.000	163.000	169.000	175.000
8.750	180.000	187.000	193.000	199.000	206.000
9.000	213.000	220.000	227.000	235.000	242.000
9.250	250.000	257.000	265.000	273.000	280.000
9.500	288.000	296.000	305.000	313.000	322.000
9.750	331.000	340.000	350.000	360.000	370.000
10.000	381.000	392.000	403.000	415.000	427.000
10.250	440.000	453.000	467.000	481.000	495.000
10.500	510.000	526.000	543.000	560.000	578.000
10.750	596.000	616.000	636.000	657.000	679.000
11.000	702.000	727.000	752.000	779.000	809.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	840.000	873.000	908.000	946.000	985.000
11.500	1,027.000	1,083.000	1,161.000	1,277.000	1,441.000
11.750	1,666.000	1,960.000	2,107.000	2,107.000	2,107.000
12.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
12.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
12.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
12.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
13.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
13.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
13.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
13.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
14.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
14.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
14.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
14.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
15.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
15.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
15.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
15.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
16.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
16.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
16.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
16.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
17.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
17.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
17.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
17.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
18.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
18.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
18.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
18.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
19.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
19.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
19.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
19.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
20.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
20.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
20.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
20.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
21.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
21.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
21.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
21.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
22.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
22.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
22.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
23.000	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
23.250	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
23.500	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
23.750	2,107.000	2,107.000	2,107.000	2,107.000	2,107.000
24.000	2,107.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	1.000	1.000	1.000	2.000	2.000
4.750	3.000	3.000	4.000	4.000	5.000
5.000	6.000	7.000	8.000	9.000	10.000
5.250	11.000	12.000	14.000	15.000	16.000
5.500	18.000	19.000	21.000	23.000	24.000
5.750	26.000	28.000	30.000	32.000	34.000
6.000	36.000	39.000	41.000	43.000	46.000
6.250	48.000	51.000	54.000	57.000	59.000
6.500	62.000	65.000	68.000	72.000	75.000
6.750	78.000	82.000	85.000	89.000	92.000
7.000	96.000	100.000	104.000	108.000	112.000
7.250	116.000	120.000	124.000	129.000	133.000
7.500	138.000	142.000	147.000	152.000	157.000
7.750	162.000	167.000	172.000	177.000	183.000
8.000	188.000	193.000	199.000	205.000	211.000
8.250	217.000	224.000	230.000	237.000	244.000
8.500	251.000	259.000	266.000	274.000	282.000
8.750	291.000	299.000	308.000	317.000	327.000
9.000	336.000	346.000	356.000	366.000	377.000
9.250	387.000	397.000	408.000	418.000	429.000
9.500	440.000	451.000	462.000	474.000	486.000
9.750	498.000	510.000	523.000	537.000	551.000
10.000	565.000	580.000	595.000	610.000	627.000
10.250	644.000	661.000	679.000	698.000	717.000
10.500	737.000	758.000	779.000	802.000	825.000
10.750	850.000	875.000	902.000	929.000	958.000
11.000	988.000	1,019.000	1,052.000	1,087.000	1,125.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	1,165.000	1,207.000	1,253.000	1,300.000	1,351.000
11.500	1,404.000	1,475.000	1,574.000	1,720.000	1,891.000
11.750	1,963.000	1,966.000	1,992.000	2,014.000	2,009.000
12.000	1,994.000	1,968.000	1,925.000	1,906.000	1,904.000
12.250	1,902.000	1,900.000	1,898.000	1,896.000	1,892.000
12.500	1,887.000	1,882.000	1,878.000	1,875.000	1,874.000
12.750	1,872.000	1,871.000	1,869.000	1,868.000	1,867.000
13.000	1,866.000	1,864.000	1,863.000	1,862.000	1,862.000
13.250	1,861.000	1,860.000	1,860.000	1,859.000	1,858.000
13.500	1,857.000	1,857.000	1,856.000	1,856.000	1,855.000
13.750	1,855.000	1,854.000	1,854.000	1,853.000	1,853.000
14.000	1,852.000	1,852.000	1,851.000	1,851.000	1,851.000
14.250	1,851.000	1,850.000	1,850.000	1,850.000	1,850.000
14.500	1,850.000	1,850.000	1,849.000	1,849.000	1,849.000
14.750	1,849.000	1,849.000	1,848.000	1,848.000	1,848.000
15.000	1,848.000	1,848.000	1,848.000	1,847.000	1,847.000
15.250	1,847.000	1,847.000	1,847.000	1,847.000	1,846.000
15.500	1,846.000	1,846.000	1,846.000	1,846.000	1,846.000
15.750	1,845.000	1,845.000	1,845.000	1,845.000	1,845.000
16.000	1,844.000	1,844.000	1,844.000	1,844.000	1,844.000
16.250	1,844.000	1,844.000	1,844.000	1,844.000	1,844.000
16.500	1,844.000	1,844.000	1,843.000	1,843.000	1,843.000
16.750	1,843.000	1,843.000	1,843.000	1,843.000	1,843.000
17.000	1,843.000	1,843.000	1,843.000	1,843.000	1,843.000
17.250	1,843.000	1,843.000	1,843.000	1,842.000	1,842.000
17.500	1,842.000	1,842.000	1,842.000	1,842.000	1,842.000
17.750	1,842.000	1,842.000	1,842.000	1,842.000	1,842.000
18.000	1,842.000	1,842.000	1,842.000	1,842.000	1,841.000
18.250	1,841.000	1,841.000	1,841.000	1,841.000	1,841.000
18.500	1,841.000	1,841.000	1,841.000	1,841.000	1,841.000
18.750	1,841.000	1,841.000	1,841.000	1,841.000	1,840.000
19.000	1,840.000	1,840.000	1,840.000	1,840.000	1,840.000
19.250	1,840.000	1,840.000	1,840.000	1,840.000	1,840.000
19.500	1,840.000	1,840.000	1,840.000	1,840.000	1,840.000
19.750	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
20.000	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
20.250	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
20.500	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
20.750	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
21.000	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
21.250	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
21.500	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
21.750	1,839.000	1,839.000	1,839.000	1,839.000	1,839.000
22.000	1,839.000	1,839.000	1,839.000	1,839.000	1,838.000
22.250	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
22.750	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
23.000	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
23.250	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
23.500	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
23.750	1,838.000	1,838.000	1,838.000	1,838.000	1,838.000
24.000	1,838.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 3

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	0.000	0.000	0.000	0.000	0.000
9.500	0.000	0.000	0.000	0.000	0.000
9.750	0.000	0.000	0.000	0.000	0.000
10.000	0.000	0.000	0.000	0.000	0.000
10.250	0.000	0.000	0.000	0.000	0.000
10.500	0.000	1.000	1.000	1.000	2.000
10.750	2.000	3.000	3.000	4.000	5.000
11.000	6.000	7.000	8.000	9.000	10.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 3

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	12.000	14.000	16.000	18.000	21.000
11.500	24.000	27.000	31.000	37.000	47.000
11.750	61.000	83.000	115.000	164.000	233.000
12.000	319.000	410.000	493.000	557.000	603.000
12.250	636.000	661.000	683.000	701.000	718.000
12.500	733.000	746.000	758.000	770.000	780.000
12.750	790.000	799.000	809.000	817.000	826.000
13.000	834.000	842.000	850.000	857.000	865.000
13.250	872.000	879.000	885.000	892.000	898.000
13.500	905.000	911.000	917.000	922.000	928.000
13.750	934.000	939.000	944.000	950.000	955.000
14.000	960.000	964.000	969.000	974.000	978.000
14.250	983.000	987.000	992.000	996.000	1,001.000
14.500	1,005.000	1,009.000	1,013.000	1,018.000	1,022.000
14.750	1,026.000	1,030.000	1,034.000	1,038.000	1,042.000
15.000	1,046.000	1,050.000	1,054.000	1,057.000	1,061.000
15.250	1,065.000	1,069.000	1,072.000	1,076.000	1,079.000
15.500	1,083.000	1,086.000	1,090.000	1,093.000	1,096.000
15.750	1,100.000	1,103.000	1,106.000	1,109.000	1,113.000
16.000	1,116.000	1,119.000	1,122.000	1,125.000	1,128.000
16.250	1,131.000	1,133.000	1,136.000	1,139.000	1,142.000
16.500	1,145.000	1,148.000	1,151.000	1,153.000	1,156.000
16.750	1,159.000	1,162.000	1,165.000	1,167.000	1,170.000
17.000	1,173.000	1,175.000	1,178.000	1,181.000	1,183.000
17.250	1,186.000	1,189.000	1,191.000	1,194.000	1,195.000
17.500	1,196.000	1,197.000	1,198.000	1,198.000	1,198.000
17.750	1,199.000	1,199.000	1,199.000	1,199.000	1,199.000
18.000	1,199.000	1,199.000	1,199.000	1,199.000	1,199.000
18.250	1,199.000	1,199.000	1,199.000	1,199.000	1,199.000
18.500	1,199.000	1,198.000	1,198.000	1,198.000	1,198.000
18.750	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
19.000	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
19.250	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
19.500	1,198.000	1,198.000	1,197.000	1,197.000	1,197.000
19.750	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
20.000	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
20.250	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
20.500	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
20.750	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
21.000	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
21.250	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
21.500	1,197.000	1,197.000	1,197.000	1,197.000	1,197.000
21.750	1,197.000	1,197.000	1,196.000	1,196.000	1,196.000
22.000	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000
22.250	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 3

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000
22.750	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000
23.000	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000
23.250	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000
23.500	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000
23.750	1,196.000	1,196.000	1,196.000	1,196.000	1,196.000
24.000	1,196.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 3

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	0.000	0.000	0.000	0.000	0.000
9.500	0.000	0.000	0.000	0.000	0.000
9.750	1.000	1.000	1.000	1.000	2.000
10.000	2.000	3.000	3.000	4.000	4.000
10.250	5.000	6.000	6.000	7.000	8.000
10.500	9.000	10.000	11.000	13.000	14.000
10.750	16.000	17.000	19.000	21.000	23.000
11.000	25.000	28.000	30.000	33.000	36.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 3

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	40.000	44.000	48.000	52.000	57.000
11.500	63.000	69.000	76.000	87.000	103.000
11.750	126.000	161.000	211.000	284.000	384.000
12.000	507.000	635.000	750.000	839.000	901.000
12.250	946.000	981.000	1,010.000	1,036.000	1,058.000
12.500	1,078.000	1,096.000	1,112.000	1,127.000	1,141.000
12.750	1,154.000	1,167.000	1,179.000	1,191.000	1,201.000
13.000	1,208.000	1,212.000	1,215.000	1,217.000	1,218.000
13.250	1,219.000	1,219.000	1,219.000	1,219.000	1,219.000
13.500	1,218.000	1,218.000	1,217.000	1,217.000	1,216.000
13.750	1,216.000	1,215.000	1,214.000	1,214.000	1,213.000
14.000	1,213.000	1,212.000	1,212.000	1,212.000	1,211.000
14.250	1,211.000	1,210.000	1,210.000	1,210.000	1,210.000
14.500	1,210.000	1,209.000	1,209.000	1,209.000	1,209.000
14.750	1,209.000	1,208.000	1,208.000	1,208.000	1,208.000
15.000	1,208.000	1,208.000	1,207.000	1,207.000	1,207.000
15.250	1,207.000	1,207.000	1,207.000	1,206.000	1,206.000
15.500	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
15.750	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
16.000	1,204.000	1,204.000	1,204.000	1,204.000	1,204.000
16.250	1,204.000	1,204.000	1,203.000	1,203.000	1,203.000
16.500	1,203.000	1,203.000	1,203.000	1,203.000	1,203.000
16.750	1,203.000	1,203.000	1,203.000	1,203.000	1,203.000
17.000	1,203.000	1,202.000	1,202.000	1,202.000	1,202.000
17.250	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
17.500	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
17.750	1,202.000	1,202.000	1,201.000	1,201.000	1,201.000
18.000	1,201.000	1,201.000	1,201.000	1,201.000	1,201.000
18.250	1,201.000	1,201.000	1,201.000	1,201.000	1,201.000
18.500	1,201.000	1,201.000	1,201.000	1,200.000	1,200.000
18.750	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
19.000	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
19.250	1,200.000	1,200.000	1,200.000	1,200.000	1,199.000
19.500	1,199.000	1,199.000	1,199.000	1,199.000	1,199.000
19.750	1,199.000	1,199.000	1,199.000	1,199.000	1,199.000
20.000	1,199.000	1,199.000	1,199.000	1,199.000	1,199.000
20.250	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
20.500	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
20.750	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
21.000	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
21.250	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
21.500	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
21.750	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
22.000	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
22.250	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 3

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
22.750	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
23.000	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
23.250	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
23.500	1,198.000	1,198.000	1,198.000	1,198.000	1,198.000
23.750	1,198.000	1,198.000	1,198.000	1,198.000	1,197.000
24.000	1,197.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	1.000
8.750	1.000	1.000	1.000	2.000	2.000
9.000	3.000	3.000	4.000	4.000	5.000
9.250	5.000	6.000	7.000	8.000	8.000
9.500	9.000	10.000	11.000	12.000	13.000
9.750	14.000	15.000	17.000	18.000	19.000
10.000	21.000	22.000	24.000	26.000	28.000
10.250	30.000	32.000	34.000	36.000	39.000
10.500	41.000	44.000	47.000	50.000	53.000
10.750	57.000	60.000	64.000	69.000	73.000
11.000	78.000	83.000	88.000	93.000	100.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	106.000	113.000	121.000	129.000	138.000
11.500	148.000	159.000	172.000	191.000	217.000
11.750	256.000	311.000	389.000	501.000	652.000
12.000	832.000	1,018.000	1,183.000	1,260.000	1,256.000
12.250	1,245.000	1,240.000	1,236.000	1,234.000	1,232.000
12.500	1,231.000	1,230.000	1,229.000	1,228.000	1,227.000
12.750	1,227.000	1,227.000	1,226.000	1,226.000	1,226.000
13.000	1,226.000	1,225.000	1,225.000	1,225.000	1,225.000
13.250	1,225.000	1,224.000	1,224.000	1,224.000	1,224.000
13.500	1,224.000	1,224.000	1,224.000	1,224.000	1,223.000
13.750	1,223.000	1,223.000	1,222.000	1,222.000	1,221.000
14.000	1,221.000	1,220.000	1,219.000	1,219.000	1,218.000
14.250	1,218.000	1,217.000	1,217.000	1,217.000	1,216.000
14.500	1,216.000	1,216.000	1,216.000	1,215.000	1,215.000
14.750	1,215.000	1,215.000	1,214.000	1,214.000	1,214.000
15.000	1,214.000	1,213.000	1,213.000	1,213.000	1,213.000
15.250	1,213.000	1,212.000	1,212.000	1,212.000	1,212.000
15.500	1,211.000	1,211.000	1,211.000	1,211.000	1,210.000
15.750	1,210.000	1,210.000	1,210.000	1,209.000	1,209.000
16.000	1,209.000	1,209.000	1,209.000	1,208.000	1,208.000
16.250	1,208.000	1,208.000	1,208.000	1,208.000	1,207.000
16.500	1,207.000	1,207.000	1,207.000	1,207.000	1,207.000
16.750	1,207.000	1,207.000	1,207.000	1,207.000	1,207.000
17.000	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
17.250	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
17.500	1,206.000	1,206.000	1,205.000	1,205.000	1,205.000
17.750	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
18.000	1,205.000	1,205.000	1,205.000	1,204.000	1,204.000
18.250	1,204.000	1,204.000	1,204.000	1,204.000	1,204.000
18.500	1,204.000	1,204.000	1,204.000	1,204.000	1,204.000
18.750	1,203.000	1,203.000	1,203.000	1,203.000	1,203.000
19.000	1,203.000	1,203.000	1,203.000	1,203.000	1,203.000
19.250	1,203.000	1,203.000	1,202.000	1,202.000	1,202.000
19.500	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
19.750	1,202.000	1,202.000	1,202.000	1,201.000	1,201.000
20.000	1,201.000	1,201.000	1,201.000	1,201.000	1,201.000
20.250	1,201.000	1,201.000	1,201.000	1,201.000	1,201.000
20.500	1,201.000	1,201.000	1,201.000	1,201.000	1,201.000
20.750	1,201.000	1,201.000	1,201.000	1,201.000	1,201.000
21.000	1,201.000	1,201.000	1,201.000	1,200.000	1,200.000
21.250	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
21.500	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
21.750	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
22.000	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
22.250	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
22.750	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
23.000	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
23.250	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
23.500	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
23.750	1,200.000	1,200.000	1,200.000	1,200.000	1,200.000
24.000	1,200.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	1.000	1.000	1.000
8.000	1.000	1.000	2.000	2.000	2.000
8.250	3.000	3.000	4.000	4.000	5.000
8.500	6.000	6.000	7.000	8.000	9.000
8.750	9.000	10.000	11.000	12.000	14.000
9.000	15.000	16.000	17.000	19.000	20.000
9.250	22.000	23.000	25.000	26.000	28.000
9.500	30.000	32.000	34.000	36.000	38.000
9.750	40.000	42.000	44.000	47.000	49.000
10.000	52.000	54.000	57.000	60.000	64.000
10.250	67.000	70.000	74.000	78.000	82.000
10.500	86.000	90.000	95.000	100.000	105.000
10.750	111.000	116.000	122.000	129.000	135.000
11.000	142.000	150.000	158.000	166.000	175.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	185.000	195.000	206.000	219.000	231.000
11.500	245.000	261.000	280.000	306.000	343.000
11.750	396.000	471.000	576.000	723.000	920.000
12.000	1,153.000	1,293.000	1,297.000	1,278.000	1,266.000
12.250	1,252.000	1,245.000	1,240.000	1,238.000	1,235.000
12.500	1,234.000	1,232.000	1,231.000	1,230.000	1,229.000
12.750	1,229.000	1,228.000	1,228.000	1,228.000	1,227.000
13.000	1,227.000	1,227.000	1,227.000	1,226.000	1,226.000
13.250	1,226.000	1,226.000	1,226.000	1,225.000	1,225.000
13.500	1,225.000	1,225.000	1,225.000	1,225.000	1,225.000
13.750	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
14.000	1,224.000	1,224.000	1,224.000	1,224.000	1,223.000
14.250	1,223.000	1,223.000	1,223.000	1,222.000	1,222.000
14.500	1,222.000	1,221.000	1,221.000	1,221.000	1,221.000
14.750	1,220.000	1,220.000	1,220.000	1,219.000	1,219.000
15.000	1,219.000	1,219.000	1,218.000	1,218.000	1,218.000
15.250	1,217.000	1,217.000	1,217.000	1,217.000	1,216.000
15.500	1,216.000	1,216.000	1,215.000	1,215.000	1,215.000
15.750	1,215.000	1,214.000	1,214.000	1,214.000	1,213.000
16.000	1,213.000	1,213.000	1,212.000	1,212.000	1,212.000
16.250	1,212.000	1,212.000	1,211.000	1,211.000	1,211.000
16.500	1,211.000	1,211.000	1,211.000	1,211.000	1,210.000
16.750	1,210.000	1,210.000	1,210.000	1,210.000	1,210.000
17.000	1,210.000	1,210.000	1,210.000	1,210.000	1,209.000
17.250	1,209.000	1,209.000	1,209.000	1,209.000	1,209.000
17.500	1,209.000	1,209.000	1,209.000	1,209.000	1,208.000
17.750	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000
18.000	1,208.000	1,208.000	1,208.000	1,207.000	1,207.000
18.250	1,207.000	1,207.000	1,207.000	1,207.000	1,207.000
18.500	1,207.000	1,207.000	1,207.000	1,206.000	1,206.000
18.750	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
19.000	1,206.000	1,206.000	1,205.000	1,205.000	1,205.000
19.250	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
19.500	1,205.000	1,204.000	1,204.000	1,204.000	1,204.000
19.750	1,204.000	1,204.000	1,204.000	1,204.000	1,204.000
20.000	1,204.000	1,203.000	1,203.000	1,203.000	1,203.000
20.250	1,203.000	1,203.000	1,203.000	1,203.000	1,203.000
20.500	1,203.000	1,203.000	1,203.000	1,203.000	1,203.000
20.750	1,203.000	1,203.000	1,203.000	1,203.000	1,203.000
21.000	1,203.000	1,203.000	1,203.000	1,203.000	1,202.000
21.250	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
21.500	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
21.750	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
22.000	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
22.250	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
22.750	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
23.000	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
23.250	1,202.000	1,202.000	1,202.000	1,202.000	1,202.000
23.500	1,202.000	1,202.000	1,202.000	1,201.000	1,201.000
23.750	1,201.000	1,201.000	1,201.000	1,201.000	1,201.000
24.000	1,201.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	1.000	1.000	1.000	1.000
7.000	2.000	2.000	2.000	3.000	3.000
7.250	4.000	4.000	5.000	5.000	6.000
7.500	7.000	7.000	8.000	9.000	10.000
7.750	11.000	11.000	12.000	13.000	14.000
8.000	16.000	17.000	18.000	19.000	20.000
8.250	22.000	23.000	25.000	26.000	28.000
8.500	29.000	31.000	33.000	35.000	37.000
8.750	39.000	41.000	44.000	46.000	49.000
9.000	51.000	54.000	57.000	60.000	63.000
9.250	66.000	69.000	72.000	75.000	79.000
9.500	82.000	86.000	89.000	93.000	96.000
9.750	100.000	104.000	109.000	113.000	117.000
10.000	122.000	127.000	132.000	137.000	143.000
10.250	148.000	154.000	161.000	167.000	174.000
10.500	181.000	188.000	196.000	204.000	212.000
10.750	221.000	230.000	240.000	250.000	261.000
11.000	272.000	284.000	296.000	309.000	323.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	338.000	354.000	371.000	390.000	409.000
11.500	430.000	454.000	482.000	520.000	574.000
11.750	651.000	759.000	907.000	1,112.000	1,291.000
12.000	1,323.000	1,307.000	1,306.000	1,291.000	1,279.000
12.250	1,263.000	1,253.000	1,247.000	1,243.000	1,240.000
12.500	1,238.000	1,236.000	1,235.000	1,233.000	1,232.000
12.750	1,232.000	1,231.000	1,231.000	1,230.000	1,230.000
13.000	1,230.000	1,229.000	1,229.000	1,229.000	1,228.000
13.250	1,228.000	1,228.000	1,228.000	1,227.000	1,227.000
13.500	1,227.000	1,227.000	1,227.000	1,226.000	1,226.000
13.750	1,226.000	1,226.000	1,226.000	1,226.000	1,225.000
14.000	1,225.000	1,225.000	1,225.000	1,225.000	1,225.000
14.250	1,225.000	1,225.000	1,225.000	1,225.000	1,224.000
14.500	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
14.750	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
15.000	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
15.250	1,224.000	1,224.000	1,224.000	1,223.000	1,223.000
15.500	1,223.000	1,223.000	1,222.000	1,222.000	1,222.000
15.750	1,221.000	1,221.000	1,220.000	1,220.000	1,220.000
16.000	1,219.000	1,219.000	1,219.000	1,218.000	1,218.000
16.250	1,218.000	1,217.000	1,217.000	1,217.000	1,217.000
16.500	1,217.000	1,216.000	1,216.000	1,216.000	1,216.000
16.750	1,216.000	1,216.000	1,216.000	1,215.000	1,215.000
17.000	1,215.000	1,215.000	1,215.000	1,215.000	1,215.000
17.250	1,215.000	1,214.000	1,214.000	1,214.000	1,214.000
17.500	1,214.000	1,214.000	1,214.000	1,213.000	1,213.000
17.750	1,213.000	1,213.000	1,213.000	1,213.000	1,213.000
18.000	1,212.000	1,212.000	1,212.000	1,212.000	1,212.000
18.250	1,212.000	1,212.000	1,212.000	1,211.000	1,211.000
18.500	1,211.000	1,211.000	1,211.000	1,211.000	1,211.000
18.750	1,210.000	1,210.000	1,210.000	1,210.000	1,210.000
19.000	1,210.000	1,210.000	1,209.000	1,209.000	1,209.000
19.250	1,209.000	1,209.000	1,209.000	1,209.000	1,208.000
19.500	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000
19.750	1,208.000	1,208.000	1,207.000	1,207.000	1,207.000
20.000	1,207.000	1,207.000	1,207.000	1,207.000	1,206.000
20.250	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
20.500	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
20.750	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
21.000	1,206.000	1,206.000	1,206.000	1,206.000	1,206.000
21.250	1,206.000	1,206.000	1,206.000	1,206.000	1,205.000
21.500	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
21.750	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
22.000	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
22.250	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
22.750	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
23.000	1,205.000	1,205.000	1,205.000	1,205.000	1,205.000
23.250	1,205.000	1,205.000	1,204.000	1,204.000	1,204.000
23.500	1,204.000	1,204.000	1,204.000	1,204.000	1,204.000
23.750	1,204.000	1,204.000	1,204.000	1,204.000	1,204.000
24.000	1,204.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	1.000	1.000	1.000
6.250	1.000	2.000	2.000	3.000	3.000
6.500	4.000	4.000	5.000	6.000	6.000
6.750	7.000	8.000	9.000	10.000	11.000
7.000	12.000	13.000	14.000	15.000	16.000
7.250	17.000	19.000	20.000	21.000	23.000
7.500	24.000	26.000	27.000	29.000	31.000
7.750	32.000	34.000	36.000	38.000	40.000
8.000	42.000	44.000	46.000	48.000	51.000
8.250	53.000	55.000	58.000	61.000	63.000
8.500	66.000	69.000	72.000	75.000	79.000
8.750	82.000	86.000	90.000	93.000	97.000
9.000	102.000	106.000	110.000	115.000	119.000
9.250	124.000	129.000	134.000	139.000	144.000
9.500	149.000	154.000	159.000	165.000	170.000
9.750	176.000	182.000	188.000	195.000	201.000
10.000	208.000	215.000	222.000	230.000	238.000
10.250	246.000	254.000	263.000	272.000	282.000
10.500	292.000	302.000	313.000	324.000	336.000
10.750	348.000	361.000	374.000	388.000	403.000
11.000	418.000	434.000	451.000	469.000	488.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	508.000	530.000	553.000	577.000	604.000
11.500	632.000	663.000	700.000	750.000	821.000
11.750	921.000	1,060.000	1,233.000	1,313.000	1,316.000
12.000	1,328.000	1,323.000	1,313.000	1,298.000	1,287.000
12.250	1,273.000	1,261.000	1,253.000	1,249.000	1,245.000
12.500	1,242.000	1,240.000	1,238.000	1,236.000	1,235.000
12.750	1,234.000	1,234.000	1,233.000	1,233.000	1,232.000
13.000	1,232.000	1,231.000	1,231.000	1,230.000	1,230.000
13.250	1,230.000	1,230.000	1,229.000	1,229.000	1,229.000
13.500	1,229.000	1,228.000	1,228.000	1,228.000	1,228.000
13.750	1,227.000	1,227.000	1,227.000	1,227.000	1,227.000
14.000	1,227.000	1,226.000	1,226.000	1,226.000	1,226.000
14.250	1,226.000	1,226.000	1,226.000	1,226.000	1,226.000
14.500	1,226.000	1,225.000	1,225.000	1,225.000	1,225.000
14.750	1,225.000	1,225.000	1,225.000	1,225.000	1,225.000
15.000	1,225.000	1,225.000	1,225.000	1,225.000	1,225.000
15.250	1,225.000	1,225.000	1,224.000	1,224.000	1,224.000
15.500	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
15.750	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
16.000	1,224.000	1,224.000	1,223.000	1,223.000	1,223.000
16.250	1,223.000	1,223.000	1,222.000	1,222.000	1,222.000
16.500	1,222.000	1,222.000	1,221.000	1,221.000	1,221.000
16.750	1,221.000	1,221.000	1,221.000	1,220.000	1,220.000
17.000	1,220.000	1,220.000	1,220.000	1,220.000	1,219.000
17.250	1,219.000	1,219.000	1,219.000	1,219.000	1,219.000
17.500	1,218.000	1,218.000	1,218.000	1,218.000	1,218.000
17.750	1,218.000	1,217.000	1,217.000	1,217.000	1,217.000
18.000	1,217.000	1,217.000	1,216.000	1,216.000	1,216.000
18.250	1,216.000	1,216.000	1,216.000	1,215.000	1,215.000
18.500	1,215.000	1,215.000	1,215.000	1,215.000	1,214.000
18.750	1,214.000	1,214.000	1,214.000	1,214.000	1,214.000
19.000	1,213.000	1,213.000	1,213.000	1,213.000	1,213.000
19.250	1,213.000	1,212.000	1,212.000	1,212.000	1,212.000
19.500	1,212.000	1,212.000	1,211.000	1,211.000	1,211.000
19.750	1,211.000	1,211.000	1,211.000	1,210.000	1,210.000
20.000	1,210.000	1,210.000	1,210.000	1,210.000	1,210.000
20.250	1,209.000	1,209.000	1,209.000	1,209.000	1,209.000
20.500	1,209.000	1,209.000	1,209.000	1,209.000	1,209.000
20.750	1,209.000	1,209.000	1,209.000	1,209.000	1,209.000
21.000	1,209.000	1,209.000	1,209.000	1,209.000	1,209.000
21.250	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000
21.500	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000
21.750	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000
22.000	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000
22.250	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,208.000	1,208.000	1,208.000	1,208.000	1,208.000
22.750	1,208.000	1,207.000	1,207.000	1,207.000	1,207.000
23.000	1,207.000	1,207.000	1,207.000	1,207.000	1,207.000
23.250	1,207.000	1,207.000	1,207.000	1,207.000	1,207.000
23.500	1,207.000	1,207.000	1,207.000	1,207.000	1,207.000
23.750	1,207.000	1,207.000	1,207.000	1,207.000	1,207.000
24.000	1,207.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	1.000	1.000
5.500	1.000	1.000	2.000	2.000	3.000
5.750	3.000	4.000	5.000	5.000	6.000
6.000	7.000	8.000	9.000	10.000	11.000
6.250	12.000	13.000	14.000	15.000	17.000
6.500	18.000	19.000	21.000	22.000	24.000
6.750	26.000	27.000	29.000	31.000	33.000
7.000	35.000	37.000	39.000	41.000	43.000
7.250	46.000	48.000	50.000	53.000	55.000
7.500	58.000	61.000	63.000	66.000	69.000
7.750	72.000	75.000	78.000	81.000	84.000
8.000	87.000	91.000	94.000	98.000	101.000
8.250	105.000	109.000	113.000	117.000	121.000
8.500	126.000	130.000	135.000	140.000	145.000
8.750	150.000	156.000	161.000	167.000	173.000
9.000	179.000	185.000	192.000	198.000	205.000
9.250	212.000	219.000	226.000	233.000	241.000
9.500	248.000	256.000	263.000	271.000	279.000
9.750	287.000	295.000	304.000	313.000	322.000
10.000	331.000	341.000	351.000	362.000	373.000
10.250	384.000	396.000	408.000	421.000	434.000
10.500	447.000	462.000	476.000	491.000	507.000
10.750	524.000	541.000	559.000	578.000	598.000
11.000	618.000	640.000	662.000	686.000	711.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	738.000	766.000	796.000	829.000	863.000
11.500	900.000	940.000	989.000	1,054.000	1,145.000
11.750	1,244.000	1,293.000	1,303.000	1,318.000	1,333.000
12.000	1,341.000	1,337.000	1,324.000	1,306.000	1,293.000
12.250	1,282.000	1,270.000	1,261.000	1,255.000	1,251.000
12.500	1,247.000	1,244.000	1,242.000	1,240.000	1,239.000
12.750	1,238.000	1,237.000	1,236.000	1,236.000	1,235.000
13.000	1,234.000	1,234.000	1,233.000	1,233.000	1,232.000
13.250	1,232.000	1,232.000	1,231.000	1,231.000	1,231.000
13.500	1,231.000	1,230.000	1,230.000	1,230.000	1,229.000
13.750	1,229.000	1,229.000	1,229.000	1,228.000	1,228.000
14.000	1,228.000	1,228.000	1,228.000	1,227.000	1,227.000
14.250	1,227.000	1,227.000	1,227.000	1,227.000	1,227.000
14.500	1,227.000	1,227.000	1,227.000	1,227.000	1,227.000
14.750	1,226.000	1,226.000	1,226.000	1,226.000	1,226.000
15.000	1,226.000	1,226.000	1,226.000	1,226.000	1,226.000
15.250	1,226.000	1,226.000	1,226.000	1,225.000	1,225.000
15.500	1,225.000	1,225.000	1,225.000	1,225.000	1,225.000
15.750	1,225.000	1,225.000	1,225.000	1,225.000	1,225.000
16.000	1,225.000	1,224.000	1,224.000	1,224.000	1,224.000
16.250	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
16.500	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
16.750	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
17.000	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
17.250	1,224.000	1,224.000	1,224.000	1,224.000	1,224.000
17.500	1,224.000	1,223.000	1,223.000	1,223.000	1,223.000
17.750	1,223.000	1,223.000	1,222.000	1,222.000	1,222.000
18.000	1,222.000	1,222.000	1,222.000	1,221.000	1,221.000
18.250	1,221.000	1,221.000	1,221.000	1,220.000	1,220.000
18.500	1,220.000	1,220.000	1,220.000	1,219.000	1,219.000
18.750	1,219.000	1,219.000	1,219.000	1,218.000	1,218.000
19.000	1,218.000	1,218.000	1,218.000	1,217.000	1,217.000
19.250	1,217.000	1,217.000	1,216.000	1,216.000	1,216.000
19.500	1,216.000	1,216.000	1,215.000	1,215.000	1,215.000
19.750	1,215.000	1,215.000	1,214.000	1,214.000	1,214.000
20.000	1,214.000	1,214.000	1,213.000	1,213.000	1,213.000
20.250	1,213.000	1,213.000	1,213.000	1,213.000	1,213.000
20.500	1,213.000	1,212.000	1,212.000	1,212.000	1,212.000
20.750	1,212.000	1,212.000	1,212.000	1,212.000	1,212.000
21.000	1,212.000	1,212.000	1,212.000	1,212.000	1,212.000
21.250	1,212.000	1,212.000	1,212.000	1,212.000	1,212.000
21.500	1,212.000	1,212.000	1,212.000	1,212.000	1,212.000
21.750	1,211.000	1,211.000	1,211.000	1,211.000	1,211.000
22.000	1,211.000	1,211.000	1,211.000	1,211.000	1,211.000
22.250	1,211.000	1,211.000	1,211.000	1,211.000	1,211.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	1,211.000	1,211.000	1,211.000	1,211.000	1,211.000
22.750	1,211.000	1,211.000	1,211.000	1,211.000	1,211.000
23.000	1,211.000	1,210.000	1,210.000	1,210.000	1,210.000
23.250	1,210.000	1,210.000	1,210.000	1,210.000	1,210.000
23.500	1,210.000	1,210.000	1,210.000	1,210.000	1,210.000
23.750	1,210.000	1,210.000	1,210.000	1,210.000	1,210.000
24.000	1,210.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	0.000	0.000	0.000	0.000	0.000
9.500	0.000	0.000	0.000	0.000	0.000
9.750	0.000	0.000	0.000	0.000	0.000
10.000	0.000	0.000	0.000	0.000	0.000
10.250	0.000	0.000	1.000	1.000	1.000
10.500	1.000	2.000	2.000	2.000	3.000
10.750	3.000	4.000	4.000	5.000	5.000
11.000	6.000	7.000	8.000	9.000	10.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 1 years

Label: Trench 4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	11.000	13.000	14.000	16.000	18.000
11.500	20.000	23.000	26.000	31.000	39.000
11.750	51.000	68.000	94.000	132.000	185.000
12.000	245.000	294.000	316.000	315.000	309.000
12.250	303.000	298.000	293.000	289.000	286.000
12.500	283.000	281.000	279.000	277.000	275.000
12.750	274.000	274.000	273.000	272.000	272.000
13.000	271.000	271.000	270.000	270.000	270.000
13.250	269.000	269.000	269.000	268.000	268.000
13.500	268.000	268.000	268.000	267.000	267.000
13.750	267.000	267.000	267.000	266.000	266.000
14.000	266.000	266.000	266.000	266.000	266.000
14.250	265.000	265.000	265.000	265.000	265.000
14.500	265.000	265.000	265.000	265.000	265.000
14.750	265.000	265.000	265.000	265.000	265.000
15.000	265.000	264.000	264.000	264.000	264.000
15.250	264.000	264.000	264.000	264.000	264.000
15.500	264.000	264.000	264.000	264.000	264.000
15.750	264.000	264.000	264.000	263.000	263.000
16.000	263.000	263.000	263.000	263.000	263.000
16.250	263.000	263.000	263.000	263.000	263.000
16.500	263.000	263.000	263.000	263.000	263.000
16.750	263.000	263.000	263.000	263.000	263.000
17.000	263.000	263.000	263.000	263.000	263.000
17.250	263.000	263.000	263.000	263.000	263.000
17.500	263.000	263.000	263.000	263.000	263.000
17.750	262.000	262.000	262.000	262.000	262.000
18.000	262.000	262.000	262.000	262.000	262.000
18.250	262.000	262.000	262.000	262.000	262.000
18.500	262.000	262.000	262.000	262.000	262.000
18.750	262.000	262.000	262.000	262.000	262.000
19.000	262.000	262.000	262.000	262.000	262.000
19.250	262.000	262.000	262.000	262.000	262.000
19.500	262.000	262.000	262.000	262.000	262.000
19.750	262.000	262.000	262.000	262.000	262.000
20.000	262.000	261.000	261.000	261.000	261.000
20.250	261.000	261.000	261.000	261.000	261.000
20.500	261.000	261.000	261.000	261.000	261.000
20.750	261.000	261.000	261.000	261.000	261.000
21.000	261.000	261.000	261.000	261.000	261.000
21.250	261.000	261.000	261.000	261.000	261.000
21.500	261.000	261.000	261.000	261.000	261.000
21.750	261.000	261.000	261.000	261.000	261.000
22.000	261.000	261.000	261.000	261.000	261.000
22.250	261.000	261.000	261.000	261.000	261.000

Post-Development Conditions

Subsection: Time vs. Volume

Label: Trench 4

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	261.000	261.000	261.000	261.000	261.000
22.750	261.000	261.000	261.000	261.000	261.000
23.000	261.000	261.000	261.000	261.000	261.000
23.250	261.000	261.000	261.000	261.000	261.000
23.500	261.000	261.000	261.000	261.000	261.000
23.750	261.000	261.000	261.000	261.000	261.000
24.000	261.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 4

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	0.000
8.500	0.000	0.000	0.000	0.000	0.000
8.750	0.000	0.000	0.000	0.000	0.000
9.000	0.000	0.000	0.000	0.000	0.000
9.250	0.000	0.000	0.000	0.000	0.000
9.500	1.000	1.000	1.000	1.000	1.000
9.750	2.000	2.000	2.000	2.000	3.000
10.000	3.000	4.000	4.000	4.000	5.000
10.250	5.000	6.000	7.000	7.000	8.000
10.500	9.000	10.000	11.000	12.000	13.000
10.750	14.000	15.000	16.000	18.000	19.000
11.000	21.000	23.000	25.000	27.000	29.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 2 years

Label: Trench 4

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	31.000	34.000	37.000	40.000	43.000
11.500	47.000	51.000	57.000	65.000	78.000
11.750	97.000	123.000	162.000	218.000	287.000
12.000	332.000	339.000	331.000	320.000	313.000
12.250	309.000	305.000	300.000	296.000	293.000
12.500	290.000	287.000	285.000	282.000	281.000
12.750	279.000	278.000	277.000	276.000	276.000
13.000	275.000	274.000	274.000	273.000	273.000
13.250	273.000	272.000	272.000	271.000	271.000
13.500	271.000	271.000	270.000	270.000	270.000
13.750	269.000	269.000	269.000	269.000	269.000
14.000	268.000	268.000	268.000	268.000	268.000
14.250	267.000	267.000	267.000	267.000	267.000
14.500	267.000	267.000	267.000	267.000	267.000
14.750	267.000	267.000	266.000	266.000	266.000
15.000	266.000	266.000	266.000	266.000	266.000
15.250	266.000	266.000	266.000	266.000	266.000
15.500	265.000	265.000	265.000	265.000	265.000
15.750	265.000	265.000	265.000	265.000	265.000
16.000	265.000	265.000	265.000	264.000	264.000
16.250	264.000	264.000	264.000	264.000	264.000
16.500	264.000	264.000	264.000	264.000	264.000
16.750	264.000	264.000	264.000	264.000	264.000
17.000	264.000	264.000	264.000	264.000	264.000
17.250	264.000	264.000	264.000	264.000	264.000
17.500	264.000	264.000	264.000	264.000	264.000
17.750	264.000	263.000	263.000	263.000	263.000
18.000	263.000	263.000	263.000	263.000	263.000
18.250	263.000	263.000	263.000	263.000	263.000
18.500	263.000	263.000	263.000	263.000	263.000
18.750	263.000	263.000	263.000	263.000	263.000
19.000	263.000	263.000	263.000	263.000	263.000
19.250	263.000	263.000	263.000	263.000	263.000
19.500	263.000	263.000	262.000	262.000	262.000
19.750	262.000	262.000	262.000	262.000	262.000
20.000	262.000	262.000	262.000	262.000	262.000
20.250	262.000	262.000	262.000	262.000	262.000
20.500	262.000	262.000	262.000	262.000	262.000
20.750	262.000	262.000	262.000	262.000	262.000
21.000	262.000	262.000	262.000	262.000	262.000
21.250	262.000	262.000	262.000	262.000	262.000
21.500	262.000	262.000	262.000	262.000	262.000
21.750	262.000	262.000	262.000	262.000	262.000
22.000	262.000	262.000	262.000	262.000	262.000
22.250	262.000	262.000	262.000	262.000	262.000

Post-Development Conditions

Subsection: Time vs. Volume

Label: Trench 4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	262.000	262.000	262.000	262.000	262.000
22.750	262.000	262.000	262.000	262.000	262.000
23.000	262.000	262.000	262.000	262.000	262.000
23.250	262.000	262.000	262.000	262.000	262.000
23.500	262.000	262.000	262.000	262.000	262.000
23.750	262.000	262.000	262.000	262.000	262.000
24.000	262.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	0.000	0.000	0.000
7.750	0.000	0.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000	0.000	0.000
8.250	0.000	0.000	0.000	0.000	1.000
8.500	1.000	1.000	1.000	1.000	2.000
8.750	2.000	2.000	2.000	3.000	3.000
9.000	4.000	4.000	4.000	5.000	5.000
9.250	6.000	7.000	7.000	8.000	8.000
9.500	9.000	10.000	10.000	11.000	12.000
9.750	13.000	14.000	14.000	15.000	16.000
10.000	18.000	19.000	20.000	21.000	22.000
10.250	24.000	25.000	27.000	28.000	30.000
10.500	32.000	34.000	36.000	38.000	40.000
10.750	42.000	45.000	47.000	50.000	53.000
11.000	56.000	60.000	63.000	67.000	71.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	75.000	80.000	85.000	91.000	97.000
11.500	103.000	110.000	120.000	134.000	154.000
11.750	184.000	226.000	280.000	329.000	355.000
12.000	360.000	356.000	344.000	328.000	318.000
12.250	313.000	311.000	309.000	306.000	303.000
12.500	300.000	296.000	293.000	291.000	288.000
12.750	287.000	285.000	284.000	283.000	282.000
13.000	281.000	280.000	279.000	279.000	278.000
13.250	277.000	277.000	276.000	276.000	276.000
13.500	275.000	275.000	274.000	274.000	274.000
13.750	273.000	273.000	273.000	272.000	272.000
14.000	272.000	271.000	271.000	271.000	271.000
14.250	270.000	270.000	270.000	270.000	270.000
14.500	270.000	270.000	270.000	269.000	269.000
14.750	269.000	269.000	269.000	269.000	269.000
15.000	269.000	269.000	269.000	268.000	268.000
15.250	268.000	268.000	268.000	268.000	268.000
15.500	268.000	268.000	268.000	267.000	267.000
15.750	267.000	267.000	267.000	267.000	267.000
16.000	267.000	267.000	266.000	266.000	266.000
16.250	266.000	266.000	266.000	266.000	266.000
16.500	266.000	266.000	266.000	266.000	266.000
16.750	266.000	266.000	266.000	266.000	266.000
17.000	266.000	266.000	266.000	266.000	265.000
17.250	265.000	265.000	265.000	265.000	265.000
17.500	265.000	265.000	265.000	265.000	265.000
17.750	265.000	265.000	265.000	265.000	265.000
18.000	265.000	265.000	265.000	265.000	265.000
18.250	265.000	265.000	265.000	265.000	265.000
18.500	264.000	264.000	264.000	264.000	264.000
18.750	264.000	264.000	264.000	264.000	264.000
19.000	264.000	264.000	264.000	264.000	264.000
19.250	264.000	264.000	264.000	264.000	264.000
19.500	264.000	264.000	264.000	264.000	264.000
19.750	264.000	263.000	263.000	263.000	263.000
20.000	263.000	263.000	263.000	263.000	263.000
20.250	263.000	263.000	263.000	263.000	263.000
20.500	263.000	263.000	263.000	263.000	263.000
20.750	263.000	263.000	263.000	263.000	263.000
21.000	263.000	263.000	263.000	263.000	263.000
21.250	263.000	263.000	263.000	263.000	263.000
21.500	263.000	263.000	263.000	263.000	263.000
21.750	263.000	263.000	263.000	263.000	263.000
22.000	263.000	263.000	263.000	263.000	263.000
22.250	263.000	263.000	263.000	263.000	263.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 5 years

Label: Trench 4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	263.000	263.000	263.000	263.000	263.000
22.750	263.000	263.000	263.000	263.000	263.000
23.000	263.000	263.000	263.000	263.000	263.000
23.250	263.000	263.000	263.000	263.000	263.000
23.500	263.000	263.000	263.000	263.000	263.000
23.750	263.000	263.000	263.000	263.000	263.000
24.000	263.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	0.000	0.000	0.000
6.750	0.000	0.000	0.000	0.000	0.000
7.000	0.000	0.000	0.000	0.000	0.000
7.250	0.000	0.000	0.000	0.000	0.000
7.500	0.000	0.000	1.000	1.000	1.000
7.750	1.000	1.000	1.000	2.000	2.000
8.000	2.000	2.000	3.000	3.000	3.000
8.250	4.000	4.000	5.000	5.000	6.000
8.500	6.000	7.000	7.000	8.000	8.000
8.750	9.000	10.000	11.000	11.000	12.000
9.000	13.000	14.000	15.000	16.000	17.000
9.250	18.000	19.000	20.000	21.000	23.000
9.500	24.000	25.000	26.000	28.000	29.000
9.750	30.000	32.000	33.000	35.000	37.000
10.000	39.000	40.000	42.000	44.000	46.000
10.250	49.000	51.000	53.000	56.000	59.000
10.500	61.000	64.000	67.000	71.000	74.000
10.750	77.000	81.000	85.000	89.000	94.000
11.000	98.000	103.000	108.000	114.000	119.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 10 years

Label: Trench 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	126.000	133.000	140.000	148.000	156.000
11.500	165.000	175.000	189.000	208.000	236.000
11.750	273.000	313.000	339.000	355.000	368.000
12.000	370.000	365.000	353.000	335.000	323.000
12.250	317.000	314.000	312.000	311.000	309.000
12.500	307.000	304.000	300.000	298.000	295.000
12.750	293.000	291.000	290.000	288.000	287.000
13.000	286.000	285.000	284.000	283.000	283.000
13.250	282.000	281.000	281.000	280.000	279.000
13.500	279.000	278.000	278.000	277.000	277.000
13.750	277.000	276.000	276.000	275.000	275.000
14.000	275.000	274.000	274.000	274.000	273.000
14.250	273.000	273.000	273.000	273.000	272.000
14.500	272.000	272.000	272.000	272.000	272.000
14.750	272.000	272.000	271.000	271.000	271.000
15.000	271.000	271.000	271.000	271.000	270.000
15.250	270.000	270.000	270.000	270.000	270.000
15.500	270.000	270.000	269.000	269.000	269.000
15.750	269.000	269.000	269.000	269.000	269.000
16.000	268.000	268.000	268.000	268.000	268.000
16.250	268.000	268.000	268.000	268.000	268.000
16.500	268.000	268.000	267.000	267.000	267.000
16.750	267.000	267.000	267.000	267.000	267.000
17.000	267.000	267.000	267.000	267.000	267.000
17.250	267.000	267.000	267.000	267.000	267.000
17.500	267.000	267.000	267.000	267.000	266.000
17.750	266.000	266.000	266.000	266.000	266.000
18.000	266.000	266.000	266.000	266.000	266.000
18.250	266.000	266.000	266.000	266.000	266.000
18.500	266.000	266.000	266.000	266.000	266.000
18.750	265.000	265.000	265.000	265.000	265.000
19.000	265.000	265.000	265.000	265.000	265.000
19.250	265.000	265.000	265.000	265.000	265.000
19.500	265.000	265.000	265.000	265.000	265.000
19.750	265.000	264.000	264.000	264.000	264.000
20.000	264.000	264.000	264.000	264.000	264.000
20.250	264.000	264.000	264.000	264.000	264.000
20.500	264.000	264.000	264.000	264.000	264.000
20.750	264.000	264.000	264.000	264.000	264.000
21.000	264.000	264.000	264.000	264.000	264.000
21.250	264.000	264.000	264.000	264.000	264.000
21.500	264.000	264.000	264.000	264.000	264.000
21.750	264.000	264.000	264.000	264.000	264.000
22.000	264.000	264.000	264.000	264.000	264.000
22.250	264.000	264.000	264.000	264.000	264.000

Post-Development Conditions

Subsection: Time vs. Volume

Label: Trench 4

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	264.000	264.000	264.000	264.000	264.000
22.750	264.000	264.000	264.000	264.000	264.000
23.000	264.000	264.000	264.000	264.000	264.000
23.250	264.000	264.000	264.000	263.000	263.000
23.500	263.000	263.000	263.000	263.000	263.000
23.750	263.000	263.000	263.000	263.000	263.000
24.000	263.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000	0.000	0.000
6.250	0.000	0.000	0.000	0.000	0.000
6.500	0.000	0.000	1.000	1.000	1.000
6.750	1.000	1.000	2.000	2.000	2.000
7.000	3.000	3.000	3.000	4.000	4.000
7.250	4.000	5.000	5.000	6.000	6.000
7.500	7.000	7.000	8.000	9.000	9.000
7.750	10.000	11.000	11.000	12.000	13.000
8.000	14.000	14.000	15.000	16.000	17.000
8.250	18.000	19.000	20.000	21.000	22.000
8.500	23.000	25.000	26.000	27.000	29.000
8.750	30.000	32.000	33.000	35.000	36.000
9.000	38.000	40.000	42.000	44.000	46.000
9.250	48.000	50.000	52.000	54.000	56.000
9.500	58.000	61.000	63.000	65.000	68.000
9.750	70.000	73.000	76.000	78.000	81.000
10.000	84.000	87.000	91.000	94.000	98.000
10.250	101.000	105.000	109.000	113.000	118.000
10.500	122.000	127.000	132.000	137.000	142.000
10.750	148.000	154.000	160.000	166.000	173.000
11.000	180.000	188.000	195.000	204.000	213.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	222.000	232.000	243.000	255.000	266.000
11.500	275.000	282.000	290.000	302.000	317.000
11.750	329.000	339.000	354.000	371.000	381.000
12.000	382.000	376.000	364.000	346.000	330.000
12.250	322.000	318.000	316.000	314.000	313.000
12.500	312.000	310.000	309.000	306.000	304.000
12.750	302.000	300.000	298.000	297.000	295.000
13.000	294.000	293.000	292.000	290.000	289.000
13.250	289.000	288.000	287.000	286.000	285.000
13.500	285.000	284.000	283.000	283.000	282.000
13.750	282.000	281.000	281.000	280.000	280.000
14.000	279.000	279.000	278.000	278.000	277.000
14.250	277.000	277.000	277.000	276.000	276.000
14.500	276.000	276.000	276.000	276.000	275.000
14.750	275.000	275.000	275.000	275.000	275.000
15.000	274.000	274.000	274.000	274.000	274.000
15.250	274.000	273.000	273.000	273.000	273.000
15.500	273.000	273.000	272.000	272.000	272.000
15.750	272.000	272.000	272.000	271.000	271.000
16.000	271.000	271.000	271.000	271.000	271.000
16.250	270.000	270.000	270.000	270.000	270.000
16.500	270.000	270.000	270.000	270.000	270.000
16.750	270.000	270.000	270.000	270.000	269.000
17.000	269.000	269.000	269.000	269.000	269.000
17.250	269.000	269.000	269.000	269.000	269.000
17.500	269.000	269.000	269.000	269.000	269.000
17.750	269.000	268.000	268.000	268.000	268.000
18.000	268.000	268.000	268.000	268.000	268.000
18.250	268.000	268.000	268.000	268.000	268.000
18.500	268.000	268.000	267.000	267.000	267.000
18.750	267.000	267.000	267.000	267.000	267.000
19.000	267.000	267.000	267.000	267.000	267.000
19.250	267.000	267.000	267.000	267.000	266.000
19.500	266.000	266.000	266.000	266.000	266.000
19.750	266.000	266.000	266.000	266.000	266.000
20.000	266.000	266.000	266.000	266.000	266.000
20.250	266.000	266.000	265.000	265.000	265.000
20.500	265.000	265.000	265.000	265.000	265.000
20.750	265.000	265.000	265.000	265.000	265.000
21.000	265.000	265.000	265.000	265.000	265.000
21.250	265.000	265.000	265.000	265.000	265.000
21.500	265.000	265.000	265.000	265.000	265.000
21.750	265.000	265.000	265.000	265.000	265.000
22.000	265.000	265.000	265.000	265.000	265.000
22.250	265.000	265.000	265.000	265.000	265.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 25 years

Label: Trench 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	265.000	265.000	265.000	265.000	265.000
22.750	265.000	265.000	265.000	265.000	265.000
23.000	265.000	265.000	265.000	265.000	265.000
23.250	265.000	265.000	265.000	265.000	265.000
23.500	265.000	265.000	265.000	265.000	265.000
23.750	265.000	265.000	265.000	265.000	265.000
24.000	265.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	0.000
5.250	0.000	0.000	0.000	0.000	0.000
5.500	0.000	0.000	0.000	0.000	0.000
5.750	0.000	0.000	1.000	1.000	1.000
6.000	1.000	1.000	2.000	2.000	2.000
6.250	2.000	3.000	3.000	4.000	4.000
6.500	5.000	5.000	6.000	6.000	7.000
6.750	7.000	8.000	9.000	9.000	10.000
7.000	11.000	12.000	12.000	13.000	14.000
7.250	15.000	16.000	17.000	18.000	19.000
7.500	20.000	21.000	22.000	23.000	24.000
7.750	25.000	27.000	28.000	29.000	30.000
8.000	32.000	33.000	35.000	36.000	38.000
8.250	39.000	41.000	43.000	44.000	46.000
8.500	48.000	50.000	52.000	54.000	56.000
8.750	59.000	61.000	63.000	66.000	68.000
9.000	71.000	74.000	77.000	80.000	83.000
9.250	86.000	89.000	92.000	95.000	98.000
9.500	101.000	105.000	108.000	111.000	115.000
9.750	118.000	122.000	126.000	130.000	134.000
10.000	139.000	143.000	148.000	152.000	157.000
10.250	163.000	168.000	174.000	179.000	185.000
10.500	192.000	198.000	205.000	212.000	219.000
10.750	227.000	235.000	243.000	252.000	261.000
11.000	268.000	273.000	277.000	280.000	282.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	285.000	287.000	289.000	291.000	294.000
11.500	296.000	299.000	307.000	316.000	326.000
11.750	337.000	350.000	366.000	382.000	392.000
12.000	394.000	386.000	371.000	352.000	337.000
12.250	327.000	322.000	319.000	317.000	316.000
12.500	314.000	313.000	312.000	311.000	310.000
12.750	309.000	307.000	306.000	304.000	303.000
13.000	301.000	300.000	298.000	297.000	296.000
13.250	295.000	294.000	293.000	292.000	291.000
13.500	290.000	289.000	289.000	288.000	287.000
13.750	286.000	286.000	285.000	285.000	284.000
14.000	283.000	283.000	282.000	282.000	281.000
14.250	281.000	281.000	280.000	280.000	280.000
14.500	280.000	279.000	279.000	279.000	279.000
14.750	279.000	278.000	278.000	278.000	278.000
15.000	278.000	277.000	277.000	277.000	277.000
15.250	277.000	276.000	276.000	276.000	276.000
15.500	276.000	275.000	275.000	275.000	275.000
15.750	275.000	274.000	274.000	274.000	274.000
16.000	274.000	273.000	273.000	273.000	273.000
16.250	273.000	273.000	273.000	272.000	272.000
16.500	272.000	272.000	272.000	272.000	272.000
16.750	272.000	272.000	272.000	272.000	272.000
17.000	272.000	271.000	271.000	271.000	271.000
17.250	271.000	271.000	271.000	271.000	271.000
17.500	271.000	271.000	271.000	271.000	271.000
17.750	270.000	270.000	270.000	270.000	270.000
18.000	270.000	270.000	270.000	270.000	270.000
18.250	270.000	270.000	270.000	269.000	269.000
18.500	269.000	269.000	269.000	269.000	269.000
18.750	269.000	269.000	269.000	269.000	269.000
19.000	269.000	269.000	268.000	268.000	268.000
19.250	268.000	268.000	268.000	268.000	268.000
19.500	268.000	268.000	268.000	268.000	268.000
19.750	268.000	267.000	267.000	267.000	267.000
20.000	267.000	267.000	267.000	267.000	267.000
20.250	267.000	267.000	267.000	267.000	267.000
20.500	267.000	267.000	267.000	267.000	267.000
20.750	267.000	267.000	267.000	267.000	267.000
21.000	267.000	267.000	267.000	267.000	267.000
21.250	267.000	266.000	266.000	266.000	266.000
21.500	266.000	266.000	266.000	266.000	266.000
21.750	266.000	266.000	266.000	266.000	266.000
22.000	266.000	266.000	266.000	266.000	266.000
22.250	266.000	266.000	266.000	266.000	266.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 50 years

Label: Trench 4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	266.000	266.000	266.000	266.000	266.000
22.750	266.000	266.000	266.000	266.000	266.000
23.000	266.000	266.000	266.000	266.000	266.000
23.250	266.000	266.000	266.000	266.000	266.000
23.500	266.000	266.000	266.000	266.000	266.000
23.750	266.000	266.000	266.000	266.000	266.000
24.000	266.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	0.000	0.000	0.000	0.000
0.250	0.000	0.000	0.000	0.000	0.000
0.500	0.000	0.000	0.000	0.000	0.000
0.750	0.000	0.000	0.000	0.000	0.000
1.000	0.000	0.000	0.000	0.000	0.000
1.250	0.000	0.000	0.000	0.000	0.000
1.500	0.000	0.000	0.000	0.000	0.000
1.750	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	0.000	0.000	0.000
2.250	0.000	0.000	0.000	0.000	0.000
2.500	0.000	0.000	0.000	0.000	0.000
2.750	0.000	0.000	0.000	0.000	0.000
3.000	0.000	0.000	0.000	0.000	0.000
3.250	0.000	0.000	0.000	0.000	0.000
3.500	0.000	0.000	0.000	0.000	0.000
3.750	0.000	0.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000	0.000	0.000
4.250	0.000	0.000	0.000	0.000	0.000
4.500	0.000	0.000	0.000	0.000	0.000
4.750	0.000	0.000	0.000	0.000	0.000
5.000	0.000	0.000	0.000	0.000	1.000
5.250	1.000	1.000	1.000	1.000	2.000
5.500	2.000	2.000	3.000	3.000	4.000
5.750	4.000	5.000	5.000	6.000	6.000
6.000	7.000	8.000	9.000	9.000	10.000
6.250	11.000	12.000	13.000	13.000	14.000
6.500	15.000	16.000	17.000	19.000	20.000
6.750	21.000	22.000	23.000	24.000	26.000
7.000	27.000	28.000	30.000	31.000	33.000
7.250	34.000	36.000	37.000	39.000	41.000
7.500	43.000	44.000	46.000	48.000	50.000
7.750	52.000	54.000	56.000	58.000	60.000
8.000	62.000	64.000	66.000	68.000	71.000
8.250	73.000	76.000	78.000	81.000	84.000
8.500	86.000	89.000	92.000	96.000	99.000
8.750	102.000	106.000	109.000	113.000	117.000
9.000	120.000	124.000	129.000	133.000	137.000
9.250	141.000	146.000	150.000	154.000	159.000
9.500	164.000	168.000	173.000	178.000	182.000
9.750	188.000	193.000	198.000	204.000	209.000
10.000	215.000	222.000	228.000	234.000	241.000
10.250	248.000	256.000	262.000	268.000	271.000
10.500	274.000	276.000	278.000	279.000	280.000
10.750	281.000	282.000	283.000	285.000	286.000
11.000	287.000	288.000	289.000	291.000	293.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
11.250	295.000	297.000	299.000	302.000	305.000
11.500	307.000	311.000	316.000	323.000	333.000
11.750	347.000	363.000	377.000	392.000	407.000
12.000	407.000	398.000	380.000	360.000	345.000
12.250	333.000	327.000	323.000	321.000	319.000
12.500	317.000	316.000	314.000	313.000	312.000
12.750	312.000	311.000	311.000	311.000	310.000
13.000	309.000	307.000	306.000	304.000	303.000
13.250	302.000	301.000	300.000	299.000	298.000
13.500	297.000	296.000	295.000	294.000	293.000
13.750	292.000	291.000	290.000	290.000	289.000
14.000	288.000	288.000	287.000	286.000	286.000
14.250	285.000	285.000	285.000	284.000	284.000
14.500	284.000	284.000	283.000	283.000	283.000
14.750	283.000	282.000	282.000	282.000	282.000
15.000	281.000	281.000	281.000	281.000	280.000
15.250	280.000	280.000	280.000	279.000	279.000
15.500	279.000	279.000	278.000	278.000	278.000
15.750	278.000	277.000	277.000	277.000	277.000
16.000	277.000	276.000	276.000	276.000	276.000
16.250	275.000	275.000	275.000	275.000	275.000
16.500	275.000	275.000	275.000	275.000	275.000
16.750	274.000	274.000	274.000	274.000	274.000
17.000	274.000	274.000	274.000	274.000	274.000
17.250	274.000	274.000	273.000	273.000	273.000
17.500	273.000	273.000	273.000	273.000	273.000
17.750	273.000	273.000	273.000	272.000	272.000
18.000	272.000	272.000	272.000	272.000	272.000
18.250	272.000	272.000	272.000	272.000	271.000
18.500	271.000	271.000	271.000	271.000	271.000
18.750	271.000	271.000	271.000	271.000	271.000
19.000	271.000	270.000	270.000	270.000	270.000
19.250	270.000	270.000	270.000	270.000	270.000
19.500	270.000	270.000	269.000	269.000	269.000
19.750	269.000	269.000	269.000	269.000	269.000
20.000	269.000	269.000	269.000	269.000	268.000
20.250	268.000	268.000	268.000	268.000	268.000
20.500	268.000	268.000	268.000	268.000	268.000
20.750	268.000	268.000	268.000	268.000	268.000
21.000	268.000	268.000	268.000	268.000	268.000
21.250	268.000	268.000	268.000	268.000	268.000
21.500	268.000	268.000	268.000	268.000	268.000
21.750	268.000	268.000	268.000	268.000	268.000
22.000	268.000	268.000	268.000	268.000	268.000
22.250	268.000	268.000	268.000	268.000	268.000

Post-Development Conditions

Subsection: Time vs. Volume

Return Event: 100 years

Label: Trench 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Time vs. Volume (ft³)

Output Time increment = 0.050 hours

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

Time (hours)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
22.500	268.000	268.000	268.000	267.000	267.000
22.750	267.000	267.000	267.000	267.000	267.000
23.000	267.000	267.000	267.000	267.000	267.000
23.250	267.000	267.000	267.000	267.000	267.000
23.500	267.000	267.000	267.000	267.000	267.000
23.750	267.000	267.000	267.000	267.000	267.000
24.000	267.000	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 1 years

Label: Tranch 5

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.56	0.0	1,640	0	0.000
524.56	0.0	1,640	4,920	4,920.000
Volume (Total) (ft ³)				
0.000				
1,968.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Tranch 5

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.56	0.000	0.000
524.56	4,920.000	1,968.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 1 years

Label: Tranch 5

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 2 years

Label: Tranch 5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.56	0.0	1,640	0	0.000
524.56	0.0	1,640	4,920	4,920.000
Volume (Total) (ft ³)				
0.000				
1,968.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Tranch 5

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.56	0.000	0.000
524.56	4,920.000	1,968.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 2 years

Label: Tranch 5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 5 years

Label: Tranch 5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.56	0.0	1,640	0	0.000
524.56	0.0	1,640	4,920	4,920.000
Volume (Total) (ft ³)				
0.000				
1,968.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Tranch 5

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.56	0.000	0.000
524.56	4,920.000	1,968.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 5 years

Label: Tranch 5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 10 years

Label: Tranch 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.56	0.0	1,640	0	0.000
524.56	0.0	1,640	4,920	4,920.000
Volume (Total) (ft ³)				
0.000				
1,968.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Tranch 5

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.56	0.000	0.000
524.56	4,920.000	1,968.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 10 years

Label: Tranch 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 25 years

Label: Tranch 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.56	0.0	1,640	0	0.000
524.56	0.0	1,640	4,920	4,920.000
Volume (Total) (ft ³)				
0.000				
1,968.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 25 years

Label: Tranch 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.56	0.000	0.000
524.56	4,920.000	1,968.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 25 years

Label: Tranch 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: Tranch 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.56	0.0	1,640	0	0.000
524.56	0.0	1,640	4,920	4,920.000
Volume (Total) (ft ³)				
0.000				
1,968.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 50 years

Label: Tranch 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.56	0.000	0.000
524.56	4,920.000	1,968.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 50 years

Label: Tranch 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 100 years

Label: Tranch 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.56	0.0	1,640	0	0.000
524.56	0.0	1,640	4,920	4,920.000
Volume (Total) (ft ³)				
0.000				
1,968.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 100 years

Label: Tranch 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.56	0.000	0.000
524.56	4,920.000	1,968.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 100 years

Label: Tranch 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 1 years

Label: Trench 1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.00	0.0	1,456	0	0.000
524.00	0.0	1,456	4,368	4,368.000
Volume (Total) (ft ³)				
0.000				
1,747.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 1

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.00	0.000	0.000
524.00	4,368.000	1,747.200

Post-Development Conditions

Subsection: Volume Equations

Return Event: 1 years

Label: Trench 1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 2 years

Label: Trench 1

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.00	0.0	1,456	0	0.000
524.00	0.0	1,456	4,368	4,368.000
Volume (Total) (ft ³)				
0.000				
1,747.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 1

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.00	0.000	0.000
524.00	4,368.000	1,747.200

Post-Development Conditions

Subsection: Volume Equations

Return Event: 2 years

Label: Trench 1

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 5 years

Label: Trench 1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.00	0.0	1,456	0	0.000
524.00	0.0	1,456	4,368	5,824.000
Volume (Total) (ft ³)				
0.000				
2,330.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 1

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.00	0.000	0.000
524.00	5,824.000	2,329.600

Post-Development Conditions

Subsection: Volume Equations

Return Event: 5 years

Label: Trench 1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.00	0.0	1,456	0	0.000
524.00	0.0	1,456	4,368	5,824.000
Volume (Total) (ft ³)				
0.000				
2,330.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.00	0.000	0.000
524.00	5,824.000	2,329.600

Post-Development Conditions

Subsection: Volume Equations

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.00	0.0	1,456	0	0.000
524.00	0.0	1,456	4,368	5,824.000
Volume (Total) (ft ³)				
0.000				
2,330.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.00	0.000	0.000
524.00	5,824.000	2,329.600

Post-Development Conditions

Subsection: Volume Equations

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: Trench 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.00	0.0	1,456	0	0.000
524.00	0.0	1,456	4,368	4,368.000
Volume (Total) (ft ³)				
0.000				
1,747.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 50 years

Label: Trench 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.00	0.000	0.000
524.00	4,368.000	1,747.200

Post-Development Conditions

Subsection: Volume Equations

Return Event: 50 years

Label: Trench 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 100 years

Label: Trench 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.00	0.0	1,456	0	0.000
524.00	0.0	1,456	4,368	4,368.000
Volume (Total) (ft ³)				
0.000				
1,747.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 100 years

Label: Trench 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.00	0.000	0.000
524.00	4,368.000	1,747.200

Post-Development Conditions

Subsection: Volume Equations

Return Event: 100 years

Label: Trench 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 1 years

Label: Trench 2

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
517.53	0.0	1,581	0	0.000
520.86	0.0	1,581	4,743	5,265.000
Volume (Total) (ft ³)				
0.000				
2,106.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
517.53	0.000	0.000
520.86	5,264.730	2,105.892

Post-Development Conditions

Subsection: Volume Equations

Return Event: 1 years

Label: Trench 2

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 2 years

Label: Trench 2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
517.53	0.0	1,581	0	0.000
520.86	0.0	1,581	4,743	5,265.000
Volume (Total) (ft ³)				
0.000				
2,106.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 2

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
517.53	0.000	0.000
520.86	5,264.730	2,105.892

Post-Development Conditions

Subsection: Volume Equations

Return Event: 2 years

Label: Trench 2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 5 years

Label: Trench 2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
516.86	0.0	1,581	0	0.000
520.86	0.0	1,581	4,743	6,324.000
Volume (Total) (ft ³)				
0.000				
2,530.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 2

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
516.86	0.000	0.000
520.86	6,324.000	2,529.600

Post-Development Conditions

Subsection: Volume Equations

Return Event: 5 years

Label: Trench 2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 10 years

Label: Trench 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
516.86	0.0	1,581	0	0.000
520.86	0.0	1,581	4,743	6,324.000
Volume (Total) (ft ³)				
0.000				
2,530.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 2

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
516.86	0.000	0.000
520.86	6,324.000	2,529.600

Post-Development Conditions

Subsection: Volume Equations

Return Event: 10 years

Label: Trench 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 25 years

Label: Trench 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
516.86	0.0	1,581	0	0.000
520.86	0.0	1,581	4,743	6,324.000
Volume (Total) (ft ³)				
0.000				
2,530.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 2

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
516.86	0.000	0.000
520.86	6,324.000	2,529.600

Post-Development Conditions

Subsection: Volume Equations

Return Event: 25 years

Label: Trench 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: Trench 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
517.53	0.0	1,582	0	0.000
520.86	0.0	1,582	4,746	5,268.000
Volume (Total) (ft ³)				
0.000				
2,107.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 2

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
517.53	0.000	0.000
520.86	5,268.060	2,107.224

Post-Development Conditions

Subsection: Volume Equations

Return Event: 50 years

Label: Trench 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 100 years

Label: Trench 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
517.53	0.0	1,581	0	0.000
520.86	0.0	1,581	4,743	5,265.000
Volume (Total) (ft ³)				
0.000				
2,106.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 100 years

Label: Trench 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
517.53	0.000	0.000
520.86	5,264.730	2,105.892

Post-Development Conditions

Subsection: Volume Equations

Return Event: 100 years

Label: Trench 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 1 years

Label: Trench 3

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.71	0.0	1,610	0	0.000
524.21	0.0	1,610	4,830	4,025.000
Volume (Total) (ft ³)				
0.000				
1,610.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.71	0.000	0.000
524.21	4,025.000	1,610.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 1 years

Label: Trench 3

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 2 years

Label: Trench 3

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.71	0.0	1,610	0	0.000
524.21	0.0	1,610	4,830	4,025.000
Volume (Total) (ft ³)				
0.000				
1,610.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 3

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.71	0.000	0.000
524.21	4,025.000	1,610.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 2 years

Label: Trench 3

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 5 years

Label: Trench 3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.71	0.0	1,610	0	0.000
524.21	0.0	1,610	4,830	4,025.000
Volume (Total) (ft ³)				
0.000				
1,610.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 3

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.71	0.000	0.000
524.21	4,025.000	1,610.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 5 years

Label: Trench 3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 10 years

Label: Trench 3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.71	0.0	1,610	0	0.000
524.21	0.0	1,610	4,830	4,025.000
Volume (Total) (ft ³)				
0.000				
1,610.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 3

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.71	0.000	0.000
524.21	4,025.000	1,610.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 10 years

Label: Trench 3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 25 years

Label: Trench 3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.71	0.0	1,610	0	0.000
524.21	0.0	1,610	4,830	4,025.000
Volume (Total) (ft ³)				
0.000				
1,610.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 3

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.71	0.000	0.000
524.21	4,025.000	1,610.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 25 years

Label: Trench 3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: Trench 3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.71	0.0	1,610	0	0.000
524.21	0.0	1,610	4,830	4,025.000
Volume (Total) (ft ³)				
0.000				
1,610.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 3

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.71	0.000	0.000
524.21	4,025.000	1,610.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 50 years

Label: Trench 3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 100 years

Label: Trench 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
521.71	0.0	1,610	0	0.000
524.21	0.0	1,610	4,830	4,025.000
Volume (Total) (ft ³)				
0.000				
1,610.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 100 years

Label: Trench 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
521.71	0.000	0.000
524.21	4,025.000	1,610.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 100 years

Label: Trench 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 1 years

Label: Trench 4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.35	0.0	1,295	0	0.000
523.35	0.0	1,295	3,885	3,885.000
Volume (Total) (ft ³)				
0.000				
1,554.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 4

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.35	0.000	0.000
523.35	3,885.000	1,554.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 1 years

Label: Trench 4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 2 years

Label: Trench 4

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.35	0.0	1,295	0	0.000
523.35	0.0	1,295	3,885	3,885.000
Volume (Total) (ft ³)				
0.000				
1,554.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.35	0.000	0.000
523.35	3,885.000	1,554.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 2 years

Label: Trench 4

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 5 years

Label: Trench 4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.35	0.0	1,295	0	0.000
523.35	0.0	1,295	3,885	3,885.000
Volume (Total) (ft ³)				
0.000				
1,554.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 4

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.35	0.000	0.000
523.35	3,885.000	1,554.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 5 years

Label: Trench 4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 10 years

Label: Trench 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.35	0.0	1,295	0	0.000
523.35	0.0	1,295	3,885	3,885.000
Volume (Total) (ft ³)				
0.000				
1,554.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 10 years

Label: Trench 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.35	0.000	0.000
523.35	3,885.000	1,554.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 10 years

Label: Trench 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 25 years

Label: Trench 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.35	0.0	1,295	0	0.000
523.35	0.0	1,295	3,885	3,885.000
Volume (Total) (ft ³)				
0.000				
1,554.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 4

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.35	0.000	0.000
523.35	3,885.000	1,554.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 25 years

Label: Trench 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: Trench 4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.35	0.0	1,295	0	0.000
523.35	0.0	1,295	3,885	3,885.000
Volume (Total) (ft ³)				
0.000				
1,554.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Label: Trench 4

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.35	0.000	0.000
523.35	3,885.000	1,554.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 50 years

Label: Trench 4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Elevation-Area Volume Curve

Return Event: 100 years

Label: Trench 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)
520.35	0.0	1,295	0	0.000
523.35	0.0	1,295	3,885	3,885.000
Volume (Total) (ft ³)				
0.000				
1,554.000				

Post-Development Conditions

Subsection: Volume Void Adjustments

Return Event: 100 years

Label: Trench 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Volume Complete Filled With Material (Adjust Volumes for Voids)

Void Space = 40.0 %

Elevation (Headwater) (ft)	Volume (Total) (ft ³)	Volume (Adjusted) (ft ³)
520.35	0.000	0.000
523.35	3,885.000	1,554.000

Post-Development Conditions

Subsection: Volume Equations

Return Event: 100 years

Label: Trench 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Pond Volume Equations

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

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

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

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	523.79	524.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
50.50	524.00
70.90	523.79
76.50	524.00

Lowest Elevation 523.79 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
 Label: Composite Outlet Structure - 1
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Weir - 1 (Irregular Weir)

 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Computation Messages

E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 1
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 1 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages

E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E < Y min=523.79
E = Y min=523.79
Max.H=.01;
Max.Htw=free out;; W(ft) =1.12
Max.H=.11;
Max.Htw=free out;; W(ft) =13.56
Max.H=.21;
Max.Htw=free out;; W(ft) =26.00

Post-Development Conditions

Subsection: Composite Rating Curve
 Label: Composite Outlet Structure - 1
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 1
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 1
Weir - 1
Weir - 1
Weir - 1

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	523.79	524.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
50.50	524.00
70.90	523.79
76.50	524.00

Lowest Elevation 523.79 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 1

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

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: Composite Outlet Structure - 1
 Scenario: Post-Development 2-Year Storm

Return Event: 2 years
 Storm Event: 2-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 1

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 1
Weir - 1
Weir - 1
Weir - 1

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	523.79	524.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
50.50	524.00
70.90	523.79
76.50	524.00

Lowest Elevation 523.79 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 1

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

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: Composite Outlet Structure - 1
 Scenario: Post-Development 5-Year Storm

Return Event: 5 years
 Storm Event: 5-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.00	0.00	(N/A)	0.00
520.10	0.00	(N/A)	0.00
520.20	0.00	(N/A)	0.00
520.30	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.50	0.00	(N/A)	0.00
520.60	0.00	(N/A)	0.00
520.70	0.00	(N/A)	0.00
520.80	0.00	(N/A)	0.00
520.90	0.00	(N/A)	0.00
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	523.79	524.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 10 years

Label: Composite Outlet Structure - 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
50.50	524.00
70.90	523.79
76.50	524.00

Lowest Elevation 523.79 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 1

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

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: Composite Outlet Structure - 1
 Scenario: Post-Development 10-Year Storm

Return Event: 10 years
 Storm Event: 10-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.00	0.00	(N/A)	0.00
520.10	0.00	(N/A)	0.00
520.20	0.00	(N/A)	0.00
520.30	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.50	0.00	(N/A)	0.00
520.60	0.00	(N/A)	0.00
520.70	0.00	(N/A)	0.00
520.80	0.00	(N/A)	0.00
520.90	0.00	(N/A)	0.00
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 25 years

Label: Composite Outlet Structure - 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	521.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	523.79	524.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 1

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
50.50	524.00
70.90	523.79
76.50	524.00

Lowest Elevation 523.79 ft
Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 1

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

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: Composite Outlet Structure - 1
 Scenario: Post-Development 25-Year Storm

Return Event: 25 years
 Storm Event: 25-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.00	0.00	(N/A)	0.00
520.10	0.00	(N/A)	0.00
520.20	0.00	(N/A)	0.00
520.30	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.50	0.00	(N/A)	0.00
520.60	0.00	(N/A)	0.00
520.70	0.00	(N/A)	0.00
520.80	0.00	(N/A)	0.00
520.90	0.00	(N/A)	0.00
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 50 years

Label: Composite Outlet Structure - 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	521.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	523.79	524.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 50 years

Label: Composite Outlet Structure - 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
50.50	524.00
70.90	523.79
76.50	524.00

Lowest Elevation 523.79 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 1

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

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

Return Event: 50 years

Label: Composite Outlet Structure - 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 1

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 1
Weir - 1
Weir - 1
Weir - 1

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	521.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	523.79	524.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
50.50	524.00
70.90	523.79
76.50	524.00

Lowest Elevation 523.79 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 1
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

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: Composite Outlet Structure - 1
 Scenario: Post-Development 100-Year Storm

Return Event: 100 years
 Storm Event: 100-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.00	0.00	(N/A)	0.00
521.10	0.00	(N/A)	0.00
521.20	0.00	(N/A)	0.00
521.30	0.00	(N/A)	0.00
521.40	0.00	(N/A)	0.00
521.50	0.00	(N/A)	0.00
521.60	0.00	(N/A)	0.00
521.70	0.00	(N/A)	0.00
521.80	0.00	(N/A)	0.00
521.90	0.00	(N/A)	0.00
522.00	0.00	(N/A)	0.00
522.10	0.00	(N/A)	0.00
522.20	0.00	(N/A)	0.00
522.30	0.00	(N/A)	0.00
522.40	0.00	(N/A)	0.00
522.50	0.00	(N/A)	0.00
522.60	0.00	(N/A)	0.00
522.70	0.00	(N/A)	0.00
522.80	0.00	(N/A)	0.00
522.90	0.00	(N/A)	0.00
523.00	0.00	(N/A)	0.00
523.10	0.00	(N/A)	0.00
523.20	0.00	(N/A)	0.00
523.30	0.00	(N/A)	0.00
523.40	0.00	(N/A)	0.00
523.50	0.00	(N/A)	0.00
523.60	0.00	(N/A)	0.00
523.70	0.00	(N/A)	0.00
523.79	0.00	(N/A)	0.00
523.80	0.00	(N/A)	0.00
523.90	0.52	(N/A)	0.00
524.00	2.63	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 1
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 1
Weir - 1
Weir - 1
Weir - 1

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	516.86 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	520.86 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	520.40	520.86
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data
 Label: Composite Outlet Structure - 2
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

Structure ID: Weir - 2
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
208.48	520.86
208.68	520.76
208.88	520.86

Lowest Elevation 520.76 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
 Label: Composite Outlet Structure - 2
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Weir - 2 (Irregular Weir)

 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
517.53	0.00	(N/A)	0.00
517.63	0.00	(N/A)	0.00
517.73	0.00	(N/A)	0.00
517.83	0.00	(N/A)	0.00
517.93	0.00	(N/A)	0.00
518.03	0.00	(N/A)	0.00
518.13	0.00	(N/A)	0.00
518.23	0.00	(N/A)	0.00
518.33	0.00	(N/A)	0.00
518.43	0.00	(N/A)	0.00
518.53	0.00	(N/A)	0.00
518.63	0.00	(N/A)	0.00
518.73	0.00	(N/A)	0.00
518.83	0.00	(N/A)	0.00
518.93	0.00	(N/A)	0.00
519.03	0.00	(N/A)	0.00
519.13	0.00	(N/A)	0.00
519.23	0.00	(N/A)	0.00
519.33	0.00	(N/A)	0.00
519.43	0.00	(N/A)	0.00
519.53	0.00	(N/A)	0.00
519.63	0.00	(N/A)	0.00
519.73	0.00	(N/A)	0.00
519.83	0.00	(N/A)	0.00
519.93	0.00	(N/A)	0.00
520.03	0.00	(N/A)	0.00
520.13	0.00	(N/A)	0.00
520.23	0.00	(N/A)	0.00
520.33	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.43	0.01	(N/A)	0.00
520.53	0.44	(N/A)	0.00
520.63	1.83	(N/A)	0.00
520.73	4.52	(N/A)	0.00
520.83	8.76	(N/A)	0.00
520.86	10.37	(N/A)	0.00

Computation Messages

E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 2
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 2 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E < Y min=520.40
E = Y min=520.40
Max.H=.03; Max.Htw=free out;; W(ft) =2.04
Max.H=.13; Max.Htw=free out;; W(ft) =8.86
Max.H=.23; Max.Htw=free out;; W(ft) =15.68
Max.H=.33; Max.Htw=free out;; W(ft) =22.49
Max.H=.43; Max.Htw=free out;; W(ft) =29.31
Max.H=.46; Max.Htw=free out;; W(ft) =31.35

Post-Development Conditions

Subsection: Composite Rating Curve
 Label: Composite Outlet Structure - 2
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
517.53	0.00	(N/A)	0.00
517.63	0.00	(N/A)	0.00
517.73	0.00	(N/A)	0.00
517.83	0.00	(N/A)	0.00
517.93	0.00	(N/A)	0.00
518.03	0.00	(N/A)	0.00
518.13	0.00	(N/A)	0.00
518.23	0.00	(N/A)	0.00
518.33	0.00	(N/A)	0.00
518.43	0.00	(N/A)	0.00
518.53	0.00	(N/A)	0.00
518.63	0.00	(N/A)	0.00
518.73	0.00	(N/A)	0.00
518.83	0.00	(N/A)	0.00
518.93	0.00	(N/A)	0.00
519.03	0.00	(N/A)	0.00
519.13	0.00	(N/A)	0.00
519.23	0.00	(N/A)	0.00
519.33	0.00	(N/A)	0.00
519.43	0.00	(N/A)	0.00
519.53	0.00	(N/A)	0.00
519.63	0.00	(N/A)	0.00
519.73	0.00	(N/A)	0.00
519.83	0.00	(N/A)	0.00
519.93	0.00	(N/A)	0.00
520.03	0.00	(N/A)	0.00
520.13	0.00	(N/A)	0.00
520.23	0.00	(N/A)	0.00
520.33	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.43	0.01	(N/A)	0.00
520.53	0.44	(N/A)	0.00
520.63	1.83	(N/A)	0.00
520.73	4.52	(N/A)	0.00
520.83	8.76	(N/A)	0.00
520.86	10.37	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 2

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	516.86 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	520.86 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	520.40	520.86
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 2

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Structure ID: Weir - 2
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
208.48	520.86
208.68	520.76
208.88	520.86

Lowest Elevation 520.76 ft
Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 2

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

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: Composite Outlet Structure - 2
 Scenario: Post-Development 2-Year Storm

Return Event: 2 years
 Storm Event: 2-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
517.53	0.00	(N/A)	0.00
517.63	0.00	(N/A)	0.00
517.73	0.00	(N/A)	0.00
517.83	0.00	(N/A)	0.00
517.93	0.00	(N/A)	0.00
518.03	0.00	(N/A)	0.00
518.13	0.00	(N/A)	0.00
518.23	0.00	(N/A)	0.00
518.33	0.00	(N/A)	0.00
518.43	0.00	(N/A)	0.00
518.53	0.00	(N/A)	0.00
518.63	0.00	(N/A)	0.00
518.73	0.00	(N/A)	0.00
518.83	0.00	(N/A)	0.00
518.93	0.00	(N/A)	0.00
519.03	0.00	(N/A)	0.00
519.13	0.00	(N/A)	0.00
519.23	0.00	(N/A)	0.00
519.33	0.00	(N/A)	0.00
519.43	0.00	(N/A)	0.00
519.53	0.00	(N/A)	0.00
519.63	0.00	(N/A)	0.00
519.73	0.00	(N/A)	0.00
519.83	0.00	(N/A)	0.00
519.93	0.00	(N/A)	0.00
520.03	0.00	(N/A)	0.00
520.13	0.00	(N/A)	0.00
520.23	0.00	(N/A)	0.00
520.33	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.43	0.01	(N/A)	0.00
520.53	0.44	(N/A)	0.00
520.63	1.83	(N/A)	0.00
520.73	4.52	(N/A)	0.00
520.83	8.76	(N/A)	0.00
520.86	10.37	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 2

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	516.86 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	520.86 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	520.40	520.86
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 2

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Structure ID: Weir - 2
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
208.48	520.86
208.68	520.76
208.88	520.86

Lowest Elevation 520.76 ft
Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 2
Scenario: Post-Development 5-Year Storm

Return Event: 5 years
Storm Event: 5-YR

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: Composite Outlet Structure - 2
 Scenario: Post-Development 5-Year Storm

Return Event: 5 years
 Storm Event: 5-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
516.86	0.00	(N/A)	0.00
516.96	0.00	(N/A)	0.00
517.06	0.00	(N/A)	0.00
517.16	0.00	(N/A)	0.00
517.26	0.00	(N/A)	0.00
517.36	0.00	(N/A)	0.00
517.46	0.00	(N/A)	0.00
517.56	0.00	(N/A)	0.00
517.66	0.00	(N/A)	0.00
517.76	0.00	(N/A)	0.00
517.86	0.00	(N/A)	0.00
517.96	0.00	(N/A)	0.00
518.06	0.00	(N/A)	0.00
518.16	0.00	(N/A)	0.00
518.26	0.00	(N/A)	0.00
518.36	0.00	(N/A)	0.00
518.46	0.00	(N/A)	0.00
518.56	0.00	(N/A)	0.00
518.66	0.00	(N/A)	0.00
518.76	0.00	(N/A)	0.00
518.86	0.00	(N/A)	0.00
518.96	0.00	(N/A)	0.00
519.06	0.00	(N/A)	0.00
519.16	0.00	(N/A)	0.00
519.26	0.00	(N/A)	0.00
519.36	0.00	(N/A)	0.00
519.46	0.00	(N/A)	0.00
519.56	0.00	(N/A)	0.00
519.66	0.00	(N/A)	0.00
519.76	0.00	(N/A)	0.00
519.86	0.00	(N/A)	0.00
519.96	0.00	(N/A)	0.00
520.06	0.00	(N/A)	0.00
520.16	0.00	(N/A)	0.00
520.26	0.00	(N/A)	0.00
520.36	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.46	0.06	(N/A)	0.00
520.56	0.74	(N/A)	0.00
520.66	2.49	(N/A)	0.00
520.76	5.62	(N/A)	0.00
520.86	10.37	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 10 years

Label: Composite Outlet Structure - 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	516.86 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	520.86 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	520.40	520.86
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 2

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Structure ID: Weir - 2
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
208.48	520.86
208.68	520.76
208.88	520.86

Lowest Elevation 520.76 ft
Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 2

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

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: Composite Outlet Structure - 2
 Scenario: Post-Development 10-Year Storm

Return Event: 10 years
 Storm Event: 10-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
516.86	0.00	(N/A)	0.00
516.96	0.00	(N/A)	0.00
517.06	0.00	(N/A)	0.00
517.16	0.00	(N/A)	0.00
517.26	0.00	(N/A)	0.00
517.36	0.00	(N/A)	0.00
517.46	0.00	(N/A)	0.00
517.56	0.00	(N/A)	0.00
517.66	0.00	(N/A)	0.00
517.76	0.00	(N/A)	0.00
517.86	0.00	(N/A)	0.00
517.96	0.00	(N/A)	0.00
518.06	0.00	(N/A)	0.00
518.16	0.00	(N/A)	0.00
518.26	0.00	(N/A)	0.00
518.36	0.00	(N/A)	0.00
518.46	0.00	(N/A)	0.00
518.56	0.00	(N/A)	0.00
518.66	0.00	(N/A)	0.00
518.76	0.00	(N/A)	0.00
518.86	0.00	(N/A)	0.00
518.96	0.00	(N/A)	0.00
519.06	0.00	(N/A)	0.00
519.16	0.00	(N/A)	0.00
519.26	0.00	(N/A)	0.00
519.36	0.00	(N/A)	0.00
519.46	0.00	(N/A)	0.00
519.56	0.00	(N/A)	0.00
519.66	0.00	(N/A)	0.00
519.76	0.00	(N/A)	0.00
519.86	0.00	(N/A)	0.00
519.96	0.00	(N/A)	0.00
520.06	0.00	(N/A)	0.00
520.16	0.00	(N/A)	0.00
520.26	0.00	(N/A)	0.00
520.36	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.46	0.06	(N/A)	0.00
520.56	0.74	(N/A)	0.00
520.66	2.49	(N/A)	0.00
520.76	5.62	(N/A)	0.00
520.86	10.37	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 2

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	516.86 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	520.86 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	520.40	520.86
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 25 years

Label: Composite Outlet Structure - 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Structure ID: Weir - 2

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
208.48	520.86
208.68	520.76
208.88	520.86

Lowest Elevation 520.76 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 2
Scenario: Post-Development 25-Year Storm

Return Event: 25 years
Storm Event: 25-YR

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: Composite Outlet Structure - 2
 Scenario: Post-Development 25-Year Storm

Return Event: 25 years
 Storm Event: 25-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
516.86	0.00	(N/A)	0.00
516.96	0.00	(N/A)	0.00
517.06	0.00	(N/A)	0.00
517.16	0.00	(N/A)	0.00
517.26	0.00	(N/A)	0.00
517.36	0.00	(N/A)	0.00
517.46	0.00	(N/A)	0.00
517.56	0.00	(N/A)	0.00
517.66	0.00	(N/A)	0.00
517.76	0.00	(N/A)	0.00
517.86	0.00	(N/A)	0.00
517.96	0.00	(N/A)	0.00
518.06	0.00	(N/A)	0.00
518.16	0.00	(N/A)	0.00
518.26	0.00	(N/A)	0.00
518.36	0.00	(N/A)	0.00
518.46	0.00	(N/A)	0.00
518.56	0.00	(N/A)	0.00
518.66	0.00	(N/A)	0.00
518.76	0.00	(N/A)	0.00
518.86	0.00	(N/A)	0.00
518.96	0.00	(N/A)	0.00
519.06	0.00	(N/A)	0.00
519.16	0.00	(N/A)	0.00
519.26	0.00	(N/A)	0.00
519.36	0.00	(N/A)	0.00
519.46	0.00	(N/A)	0.00
519.56	0.00	(N/A)	0.00
519.66	0.00	(N/A)	0.00
519.76	0.00	(N/A)	0.00
519.86	0.00	(N/A)	0.00
519.96	0.00	(N/A)	0.00
520.06	0.00	(N/A)	0.00
520.16	0.00	(N/A)	0.00
520.26	0.00	(N/A)	0.00
520.36	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.46	0.06	(N/A)	0.00
520.56	0.74	(N/A)	0.00
520.66	2.49	(N/A)	0.00
520.76	5.62	(N/A)	0.00
520.86	10.37	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 50 years

Label: Composite Outlet Structure - 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	516.86 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	520.86 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	520.76	520.86
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 50 years

Label: Composite Outlet Structure - 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Structure ID: Weir - 2

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
208.48	520.86
208.68	520.76
208.88	520.86

Lowest Elevation 520.76 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 2

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

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: Composite Outlet Structure - 2
 Scenario: Post-Development 50-Year Storm

Return Event: 50 years
 Storm Event: 50-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
517.53	0.00	(N/A)	0.00
517.63	0.00	(N/A)	0.00
517.73	0.00	(N/A)	0.00
517.83	0.00	(N/A)	0.00
517.93	0.00	(N/A)	0.00
518.03	0.00	(N/A)	0.00
518.13	0.00	(N/A)	0.00
518.23	0.00	(N/A)	0.00
518.33	0.00	(N/A)	0.00
518.43	0.00	(N/A)	0.00
518.53	0.00	(N/A)	0.00
518.63	0.00	(N/A)	0.00
518.73	0.00	(N/A)	0.00
518.83	0.00	(N/A)	0.00
518.93	0.00	(N/A)	0.00
519.03	0.00	(N/A)	0.00
519.13	0.00	(N/A)	0.00
519.23	0.00	(N/A)	0.00
519.33	0.00	(N/A)	0.00
519.43	0.00	(N/A)	0.00
519.53	0.00	(N/A)	0.00
519.63	0.00	(N/A)	0.00
519.73	0.00	(N/A)	0.00
519.83	0.00	(N/A)	0.00
519.93	0.00	(N/A)	0.00
520.03	0.00	(N/A)	0.00
520.13	0.00	(N/A)	0.00
520.23	0.00	(N/A)	0.00
520.33	0.00	(N/A)	0.00
520.43	0.00	(N/A)	0.00
520.53	0.00	(N/A)	0.00
520.63	0.00	(N/A)	0.00
520.73	0.00	(N/A)	0.00
520.76	0.00	(N/A)	0.00
520.83	0.01	(N/A)	0.00
520.86	0.01	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 2
Scenario: Post-Development 50-Year Storm

Return Event: 50 years
Storm Event: 50-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
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None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 2
Weir - 2
Weir - 2

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	516.86 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	520.86 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	520.40	520.86
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Structure ID: Weir - 2

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
208.48	520.86
208.68	520.76
208.88	520.86

Lowest Elevation 520.76 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 2
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

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: Composite Outlet Structure - 2
 Scenario: Post-Development 100-Year Storm

Return Event: 100 years
 Storm Event: 100-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
517.53	0.00	(N/A)	0.00
517.63	0.00	(N/A)	0.00
517.73	0.00	(N/A)	0.00
517.83	0.00	(N/A)	0.00
517.93	0.00	(N/A)	0.00
518.03	0.00	(N/A)	0.00
518.13	0.00	(N/A)	0.00
518.23	0.00	(N/A)	0.00
518.33	0.00	(N/A)	0.00
518.43	0.00	(N/A)	0.00
518.53	0.00	(N/A)	0.00
518.63	0.00	(N/A)	0.00
518.73	0.00	(N/A)	0.00
518.83	0.00	(N/A)	0.00
518.93	0.00	(N/A)	0.00
519.03	0.00	(N/A)	0.00
519.13	0.00	(N/A)	0.00
519.23	0.00	(N/A)	0.00
519.33	0.00	(N/A)	0.00
519.43	0.00	(N/A)	0.00
519.53	0.00	(N/A)	0.00
519.63	0.00	(N/A)	0.00
519.73	0.00	(N/A)	0.00
519.83	0.00	(N/A)	0.00
519.93	0.00	(N/A)	0.00
520.03	0.00	(N/A)	0.00
520.13	0.00	(N/A)	0.00
520.23	0.00	(N/A)	0.00
520.33	0.00	(N/A)	0.00
520.40	0.00	(N/A)	0.00
520.43	0.01	(N/A)	0.00
520.53	0.44	(N/A)	0.00
520.63	1.83	(N/A)	0.00
520.73	4.52	(N/A)	0.00
520.83	8.76	(N/A)	0.00
520.86	10.37	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 2

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 2
Weir - 2
Weir - 2
Weir - 2
Weir - 2
Weir - 2
Weir - 2
Weir - 2

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.71 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.21 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 3	Forward	TW	523.56	524.21
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Structure ID: Weir - 3
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
337.65	524.21
354.16	523.56
401.00	524.21

Lowest Elevation 523.56 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
 Label: Composite Outlet Structure - 3
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Weir - 3 (Irregular Weir)

 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.71	0.00	(N/A)	0.00
521.81	0.00	(N/A)	0.00
521.91	0.00	(N/A)	0.00
522.01	0.00	(N/A)	0.00
522.11	0.00	(N/A)	0.00
522.21	0.00	(N/A)	0.00
522.31	0.00	(N/A)	0.00
522.41	0.00	(N/A)	0.00
522.51	0.00	(N/A)	0.00
522.61	0.00	(N/A)	0.00
522.71	0.00	(N/A)	0.00
522.81	0.00	(N/A)	0.00
522.91	0.00	(N/A)	0.00
523.01	0.00	(N/A)	0.00
523.11	0.00	(N/A)	0.00
523.21	0.00	(N/A)	0.00
523.31	0.00	(N/A)	0.00
523.41	0.00	(N/A)	0.00
523.51	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.61	0.06	(N/A)	0.00
523.71	0.90	(N/A)	0.00
523.81	3.23	(N/A)	0.00
523.91	7.49	(N/A)	0.00
524.01	14.04	(N/A)	0.00
524.11	23.19	(N/A)	0.00
524.21	35.21	(N/A)	0.00

Computation Messages

E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 3
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 3 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages

E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E < Y min=523.56
E = Y min=523.56
Max.H=.05; Max.Htw=free out;; W(ft) =4.87
Max.H=.15; Max.Htw=free out;; W(ft) =14.62
Max.H=.25; Max.Htw=free out;; W(ft) =24.37
Max.H=.35; Max.Htw=free out;; W(ft) =34.11
Max.H=.45; Max.Htw=free out;; W(ft) =43.86
Max.H=.55; Max.Htw=free out;; W(ft) =53.60
Max.H=.65; Max.Htw=free out;; W(ft) =63.35

Post-Development Conditions

Subsection: Composite Rating Curve
 Label: Composite Outlet Structure - 3
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.71	0.00	(N/A)	0.00
521.81	0.00	(N/A)	0.00
521.91	0.00	(N/A)	0.00
522.01	0.00	(N/A)	0.00
522.11	0.00	(N/A)	0.00
522.21	0.00	(N/A)	0.00
522.31	0.00	(N/A)	0.00
522.41	0.00	(N/A)	0.00
522.51	0.00	(N/A)	0.00
522.61	0.00	(N/A)	0.00
522.71	0.00	(N/A)	0.00
522.81	0.00	(N/A)	0.00
522.91	0.00	(N/A)	0.00
523.01	0.00	(N/A)	0.00
523.11	0.00	(N/A)	0.00
523.21	0.00	(N/A)	0.00
523.31	0.00	(N/A)	0.00
523.41	0.00	(N/A)	0.00
523.51	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.61	0.06	(N/A)	0.00
523.71	0.90	(N/A)	0.00
523.81	3.23	(N/A)	0.00
523.91	7.49	(N/A)	0.00
524.01	14.04	(N/A)	0.00
524.11	23.19	(N/A)	0.00
524.21	35.21	(N/A)	0.00

Contributing Structures

None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
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 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Composite Outflow Summary

Contributing Structures
None Contributing
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Requested Pond Water Surface Elevations	
Minimum (Headwater)	521.71 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.21 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 3	Forward	TW	523.56	524.21
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data
 Label: Composite Outlet Structure - 3
 Scenario: Post-Development 2-Year Storm

Return Event: 2 years
 Storm Event: 2-YR

Structure ID: Weir - 3
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
337.65	524.21
354.16	523.56
401.00	524.21

Lowest Elevation 523.56 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type	Free Outfall
----------------	--------------

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 3

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

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: Composite Outlet Structure - 3
 Scenario: Post-Development 2-Year Storm

Return Event: 2 years
 Storm Event: 2-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.71	0.00	(N/A)	0.00
521.81	0.00	(N/A)	0.00
521.91	0.00	(N/A)	0.00
522.01	0.00	(N/A)	0.00
522.11	0.00	(N/A)	0.00
522.21	0.00	(N/A)	0.00
522.31	0.00	(N/A)	0.00
522.41	0.00	(N/A)	0.00
522.51	0.00	(N/A)	0.00
522.61	0.00	(N/A)	0.00
522.71	0.00	(N/A)	0.00
522.81	0.00	(N/A)	0.00
522.91	0.00	(N/A)	0.00
523.01	0.00	(N/A)	0.00
523.11	0.00	(N/A)	0.00
523.21	0.00	(N/A)	0.00
523.31	0.00	(N/A)	0.00
523.41	0.00	(N/A)	0.00
523.51	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.61	0.06	(N/A)	0.00
523.71	0.90	(N/A)	0.00
523.81	3.23	(N/A)	0.00
523.91	7.49	(N/A)	0.00
524.01	14.04	(N/A)	0.00
524.11	23.19	(N/A)	0.00
524.21	35.21	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
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None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 3
Scenario: Post-Development 2-Year Storm

Return Event: 2 years
Storm Event: 2-YR

Composite Outflow Summary

Contributing Structures
None Contributing
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.71 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.21 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 3	Forward	TW	523.56	524.21
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Structure ID: Weir - 3

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
337.65	524.21
354.16	523.56
401.00	524.21

Lowest Elevation 523.56 ft

Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 3

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

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: Composite Outlet Structure - 3
 Scenario: Post-Development 5-Year Storm

Return Event: 5 years
 Storm Event: 5-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.71	0.00	(N/A)	0.00
521.81	0.00	(N/A)	0.00
521.91	0.00	(N/A)	0.00
522.01	0.00	(N/A)	0.00
522.11	0.00	(N/A)	0.00
522.21	0.00	(N/A)	0.00
522.31	0.00	(N/A)	0.00
522.41	0.00	(N/A)	0.00
522.51	0.00	(N/A)	0.00
522.61	0.00	(N/A)	0.00
522.71	0.00	(N/A)	0.00
522.81	0.00	(N/A)	0.00
522.91	0.00	(N/A)	0.00
523.01	0.00	(N/A)	0.00
523.11	0.00	(N/A)	0.00
523.21	0.00	(N/A)	0.00
523.31	0.00	(N/A)	0.00
523.41	0.00	(N/A)	0.00
523.51	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.61	0.06	(N/A)	0.00
523.71	0.90	(N/A)	0.00
523.81	3.23	(N/A)	0.00
523.91	7.49	(N/A)	0.00
524.01	14.04	(N/A)	0.00
524.11	23.19	(N/A)	0.00
524.21	35.21	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
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None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 3

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Composite Outflow Summary

Contributing Structures
None Contributing
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 10 years

Label: Composite Outlet Structure - 3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.71 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.21 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 3	Forward	TW	523.56	524.21
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Structure ID: Weir - 3

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
337.65	524.21
354.16	523.56
401.00	524.21

Lowest Elevation 523.56 ft

Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type	Free Outfall
----------------	--------------

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 3

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

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: Composite Outlet Structure - 3

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Composite Outflow Summary

Contributing Structures
None Contributing
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.71 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.21 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 3	Forward	TW	523.56	524.21
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Structure ID: Weir - 3
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
337.65	524.21
354.16	523.56
401.00	524.21

Lowest Elevation 523.56 ft
Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 3
Scenario: Post-Development 25-Year Storm

Return Event: 25 years
Storm Event: 25-YR

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: Composite Outlet Structure - 3
 Scenario: Post-Development 25-Year Storm

Return Event: 25 years
 Storm Event: 25-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.71	0.00	(N/A)	0.00
521.81	0.00	(N/A)	0.00
521.91	0.00	(N/A)	0.00
522.01	0.00	(N/A)	0.00
522.11	0.00	(N/A)	0.00
522.21	0.00	(N/A)	0.00
522.31	0.00	(N/A)	0.00
522.41	0.00	(N/A)	0.00
522.51	0.00	(N/A)	0.00
522.61	0.00	(N/A)	0.00
522.71	0.00	(N/A)	0.00
522.81	0.00	(N/A)	0.00
522.91	0.00	(N/A)	0.00
523.01	0.00	(N/A)	0.00
523.11	0.00	(N/A)	0.00
523.21	0.00	(N/A)	0.00
523.31	0.00	(N/A)	0.00
523.41	0.00	(N/A)	0.00
523.51	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.61	0.06	(N/A)	0.00
523.71	0.90	(N/A)	0.00
523.81	3.23	(N/A)	0.00
523.91	7.49	(N/A)	0.00
524.01	14.04	(N/A)	0.00
524.11	23.19	(N/A)	0.00
524.21	35.21	(N/A)	0.00

Contributing Structures

- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing
- None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 3
Scenario: Post-Development 25-Year Storm

Return Event: 25 years
Storm Event: 25-YR

Composite Outflow Summary

Contributing Structures
None Contributing
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	521.71 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.21 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 3	Forward	TW	523.56	524.21
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 50 years

Label: Composite Outlet Structure - 3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Structure ID: Weir - 3

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
337.65	524.21
354.16	523.56
401.00	524.21

Lowest Elevation 523.56 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 3
Scenario: Post-Development 50-Year Storm

Return Event: 50 years
Storm Event: 50-YR

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: Composite Outlet Structure - 3
 Scenario: Post-Development 50-Year Storm

Return Event: 50 years
 Storm Event: 50-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.71	0.00	(N/A)	0.00
521.81	0.00	(N/A)	0.00
521.91	0.00	(N/A)	0.00
522.01	0.00	(N/A)	0.00
522.11	0.00	(N/A)	0.00
522.21	0.00	(N/A)	0.00
522.31	0.00	(N/A)	0.00
522.41	0.00	(N/A)	0.00
522.51	0.00	(N/A)	0.00
522.61	0.00	(N/A)	0.00
522.71	0.00	(N/A)	0.00
522.81	0.00	(N/A)	0.00
522.91	0.00	(N/A)	0.00
523.01	0.00	(N/A)	0.00
523.11	0.00	(N/A)	0.00
523.21	0.00	(N/A)	0.00
523.31	0.00	(N/A)	0.00
523.41	0.00	(N/A)	0.00
523.51	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.61	0.06	(N/A)	0.00
523.71	0.90	(N/A)	0.00
523.81	3.23	(N/A)	0.00
523.91	7.49	(N/A)	0.00
524.01	14.04	(N/A)	0.00
524.11	23.19	(N/A)	0.00
524.21	35.21	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 3

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Composite Outflow Summary

Contributing Structures
None Contributing
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	521.71 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.21 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 3	Forward	TW	523.56	524.21
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 3

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Structure ID: Weir - 3

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
337.65	524.21
354.16	523.56
401.00	524.21

Lowest Elevation 523.56 ft

Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 3
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

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: Composite Outlet Structure - 3
 Scenario: Post-Development 100-Year Storm

Return Event: 100 years
 Storm Event: 100-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.71	0.00	(N/A)	0.00
521.81	0.00	(N/A)	0.00
521.91	0.00	(N/A)	0.00
522.01	0.00	(N/A)	0.00
522.11	0.00	(N/A)	0.00
522.21	0.00	(N/A)	0.00
522.31	0.00	(N/A)	0.00
522.41	0.00	(N/A)	0.00
522.51	0.00	(N/A)	0.00
522.61	0.00	(N/A)	0.00
522.71	0.00	(N/A)	0.00
522.81	0.00	(N/A)	0.00
522.91	0.00	(N/A)	0.00
523.01	0.00	(N/A)	0.00
523.11	0.00	(N/A)	0.00
523.21	0.00	(N/A)	0.00
523.31	0.00	(N/A)	0.00
523.41	0.00	(N/A)	0.00
523.51	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.61	0.06	(N/A)	0.00
523.71	0.90	(N/A)	0.00
523.81	3.23	(N/A)	0.00
523.91	7.49	(N/A)	0.00
524.01	14.04	(N/A)	0.00
524.11	23.19	(N/A)	0.00
524.21	35.21	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
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None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 3
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

Composite Outflow Summary

Contributing Structures
None Contributing
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3
Weir - 3

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	520.85 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	523.35 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 4	Forward	TW	520.85	523.35
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Structure ID: Weir - 4

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
415.50	523.35
455.74	520.85
506.45	523.35

Lowest Elevation 520.85 ft

Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
 Label: Composite Outlet Structure - 4
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Weir - 4 (Irregular Weir)

 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Computation Messages

E < Y min=520.85
 E < Y min=520.85
 E < Y min=520.85
 E < Y min=520.85
 E < Y min=520.85
 E = Y min=520.85
 Max.H=.10;
 Max.Htw=free out;; W(ft)
 =3.64

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 4
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 4 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages

Max.H=.20;
Max.Htw=free out;; W(ft)
=7.28
Max.H=.30;
Max.Htw=free out;; W(ft)
=10.91
Max.H=.40;
Max.Htw=free out;; W(ft)
=14.55
Max.H=.50;
Max.Htw=free out;; W(ft)
=18.19
Max.H=.60;
Max.Htw=free out;; W(ft)
=21.83
Max.H=.70;
Max.Htw=free out;; W(ft)
=25.47
Max.H=.80;
Max.Htw=free out;; W(ft)
=29.10
Max.H=.90;
Max.Htw=free out;; W(ft)
=32.74
Max.H=1.00;
Max.Htw=free out;; W(ft)
=36.38
Max.H=1.10;
Max.Htw=free out;; W(ft)
=40.02
Max.H=1.20;
Max.Htw=free out;; W(ft)
=43.66
Max.H=1.30;
Max.Htw=free out;; W(ft)
=47.29
Max.H=1.40;
Max.Htw=free out;; W(ft)
=50.93
Max.H=1.50;
Max.Htw=free out;; W(ft)
=54.57
Max.H=1.60;
Max.Htw=free out;; W(ft)
=58.21

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 4
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 4 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages

Max.H=1.70; Max.Htw=free out;; W(ft) =61.85
Max.H=1.80; Max.Htw=free out;; W(ft) =65.48
Max.H=1.90; Max.Htw=free out;; W(ft) =69.12
Max.H=2.00; Max.Htw=free out;; W(ft) =72.76
Max.H=2.10; Max.Htw=free out;; W(ft) =76.40
Max.H=2.20; Max.Htw=free out;; W(ft) =80.04
Max.H=2.30; Max.Htw=free out;; W(ft) =83.67
Max.H=2.40; Max.Htw=free out;; W(ft) =87.31
Max.H=2.50; Max.Htw=free out;; W(ft) =90.95

Post-Development Conditions

Subsection: Composite Rating Curve
 Label: Composite Outlet Structure - 4
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 4
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

Composite Outflow Summary

Contributing Structures
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	520.85 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	523.35 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 4	Forward	TW	520.85	523.35
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Structure ID: Weir - 4

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
415.50	523.35
455.74	520.85
506.45	523.35

Lowest Elevation 520.85 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

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: Composite Outlet Structure - 4
 Scenario: Post-Development 2-Year Storm

Return Event: 2 years
 Storm Event: 2-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Composite Outflow Summary

Contributing Structures
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	520.85 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	523.35 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 4	Forward	TW	520.85	523.35
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Structure ID: Weir - 4

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
415.50	523.35
455.74	520.85
506.45	523.35

Lowest Elevation 520.85 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 4

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

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: Composite Outlet Structure - 4
 Scenario: Post-Development 5-Year Storm

Return Event: 5 years
 Storm Event: 5-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 4

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Composite Outflow Summary

Contributing Structures
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 10 years

Label: Composite Outlet Structure - 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	520.85 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	523.35 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 4	Forward	TW	520.85	523.35
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 10 years

Label: Composite Outlet Structure - 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Structure ID: Weir - 4

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
415.50	523.35
455.74	520.85
506.45	523.35

Lowest Elevation 520.85 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 4

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

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

Return Event: 10 years

Label: Composite Outlet Structure - 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Contributing Structures

None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 4

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Composite Outflow Summary

Contributing Structures
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	520.85 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	523.35 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 4	Forward	TW	520.85	523.35
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 25 years

Label: Composite Outlet Structure - 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Structure ID: Weir - 4

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
415.50	523.35
455.74	520.85
506.45	523.35

Lowest Elevation 520.85 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 4

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

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

Return Event: 25 years

Label: Composite Outlet Structure - 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Contributing Structures

None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 4
Scenario: Post-Development 25-Year Storm

Return Event: 25 years
Storm Event: 25-YR

Composite Outflow Summary

Contributing Structures
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	520.85 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	523.35 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 4	Forward	TW	520.85	523.35
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Structure ID: Weir - 4

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
415.50	523.35
455.74	520.85
506.45	523.35

Lowest Elevation 520.85 ft
Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 4

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

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

Return Event: 50 years

Label: Composite Outlet Structure - 4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Contributing Structures

None Contributing
 None Contributing
 None Contributing
 None Contributing
 None Contributing
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4
 Weir - 4

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 4

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Composite Outflow Summary

Contributing Structures
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	520.85 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	523.35 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 4	Forward	TW	520.85	523.35
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 4

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Structure ID: Weir - 4
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
415.50	523.35
455.74	520.85
506.45	523.35

Lowest Elevation 520.85 ft
Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 4
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

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: Composite Outlet Structure - 4
 Scenario: Post-Development 100-Year Storm

Return Event: 100 years
 Storm Event: 100-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
520.35	0.00	(N/A)	0.00
520.45	0.00	(N/A)	0.00
520.55	0.00	(N/A)	0.00
520.65	0.00	(N/A)	0.00
520.75	0.00	(N/A)	0.00
520.85	0.00	(N/A)	0.00
520.95	0.12	(N/A)	0.00
521.05	0.69	(N/A)	0.00
521.15	1.90	(N/A)	0.00
521.25	3.90	(N/A)	0.00
521.35	6.82	(N/A)	0.00
521.45	10.76	(N/A)	0.00
521.55	15.82	(N/A)	0.00
521.65	22.09	(N/A)	0.00
521.75	29.65	(N/A)	0.00
521.85	38.59	(N/A)	0.00
521.95	48.97	(N/A)	0.00
522.05	60.87	(N/A)	0.00
522.15	74.35	(N/A)	0.00
522.25	89.49	(N/A)	0.00
522.35	106.33	(N/A)	0.00
522.45	124.95	(N/A)	0.00
522.55	145.40	(N/A)	0.00
522.65	167.73	(N/A)	0.00
522.75	192.01	(N/A)	0.00
522.85	218.28	(N/A)	0.00
522.95	246.60	(N/A)	0.00
523.05	277.01	(N/A)	0.00
523.15	309.57	(N/A)	0.00
523.25	344.32	(N/A)	0.00
523.35	381.32	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 4
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

Composite Outflow Summary

Contributing Structures
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4
Weir - 4

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	522.06 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.56 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 5	Forward	TW	523.64	524.56
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Structure ID: Weir - 5
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
525.50	524.56
525.51	523.64
586.00	524.56

Lowest Elevation 523.64 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
 Label: Composite Outlet Structure - 5
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Weir - 5 (Irregular Weir)

 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Computation Messages

E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 5
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 5 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Computation Messages

E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E < Y min=523.64
E = Y min=523.64
Max.H=.02; Max.Htw=free out;; W(ft) =1.25
Max.H=.12; Max.Htw=free out;; W(ft) =7.83
Max.H=.22; Max.Htw=free out;; W(ft) =14.42
Max.H=.32; Max.Htw=free out;; W(ft) =21.00
Max.H=.42; Max.Htw=free out;; W(ft) =27.58
Max.H=.52; Max.Htw=free out;; W(ft) =34.17
Max.H=.62; Max.Htw=free out;; W(ft) =40.75
Max.H=.72; Max.Htw=free out;; W(ft) =47.33
Max.H=.82; Max.Htw=free out;; W(ft) =53.92
Max.H=.92; Max.Htw=free out;; W(ft) =60.50

Post-Development Conditions

Subsection: Composite Rating Curve
 Label: Composite Outlet Structure - 5
 Scenario: Post-Development 1-Year Storm

Return Event: 1 years
 Storm Event: 1-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 5
Scenario: Post-Development 1-Year Storm

Return Event: 1 years
Storm Event: 1-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 5
Weir - 5
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Weir - 5
Weir - 5

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	522.06 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.56 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 5	Forward	TW	523.64	524.56
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Structure ID: Weir - 5
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
525.50	524.56
525.51	523.64
586.00	524.56

Lowest Elevation 523.64 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 5

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

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: Composite Outlet Structure - 5
 Scenario: Post-Development 2-Year Storm

Return Event: 2 years
 Storm Event: 2-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 5
Scenario: Post-Development 2-Year Storm

Return Event: 2 years
Storm Event: 2-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 5
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Weir - 5
Weir - 5

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	522.06 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.56 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 5	Forward	TW	523.64	524.56
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Structure ID: Weir - 5

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
525.50	524.56
525.51	523.64
586.00	524.56

Lowest Elevation 523.64 ft

Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 5

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

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: Composite Outlet Structure - 5
 Scenario: Post-Development 5-Year Storm

Return Event: 5 years
 Storm Event: 5-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 5
Scenario: Post-Development 5-Year Storm

Return Event: 5 years
Storm Event: 5-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 5
Weir - 5
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Weir - 5
Weir - 5
Weir - 5

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 10 years

Label: Composite Outlet Structure - 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	522.06 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.56 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 5	Forward	TW	523.64	524.56
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 10 years

Label: Composite Outlet Structure - 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Structure ID: Weir - 5
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
525.50	524.56
525.51	523.64
586.00	524.56

Lowest Elevation 523.64 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 5

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

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: Composite Outlet Structure - 5
 Scenario: Post-Development 10-Year Storm

Return Event: 10 years
 Storm Event: 10-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 5
Scenario: Post-Development 10-Year Storm

Return Event: 10 years
Storm Event: 10-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 5
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Weir - 5
Weir - 5
Weir - 5

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 25 years

Label: Composite Outlet Structure - 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	522.06 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.56 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 5	Forward	TW	523.64	524.56
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Structure ID: Weir - 5
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
525.50	524.56
525.51	523.64
586.00	524.56

Lowest Elevation 523.64 ft
Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 5

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

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

Return Event: 25 years

Label: Composite Outlet Structure - 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve

Label: Composite Outlet Structure - 5

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 5
Weir - 5
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Weir - 5
Weir - 5
Weir - 5

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Requested Pond Water Surface Elevations

Minimum (Headwater)	522.06 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.56 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 5	Forward	TW	523.64	524.56
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Label: Composite Outlet Structure - 5

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Structure ID: Weir - 5
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
525.50	524.56
525.51	523.64
586.00	524.56

Lowest Elevation 523.64 ft
Weir Coefficient 3.00 (ft^{0.5})/s

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

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves

Label: Composite Outlet Structure - 5

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

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

Return Event: 50 years

Label: Composite Outlet Structure - 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 5
Scenario: Post-Development 50-Year Storm

Return Event: 50 years
Storm Event: 50-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	522.06 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	524.56 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 5	Forward	TW	523.64	524.56
Tailwater Settings	Tailwater			(N/A)	(N/A)

Post-Development Conditions

Subsection: Outlet Input Data

Return Event: 100 years

Label: Composite Outlet Structure - 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Structure ID: Weir - 5

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
525.50	524.56
525.51	523.64
586.00	524.56

Lowest Elevation 523.64 ft
 Weir Coefficient 3.00 (ft^{0.5})/s

Structure ID: TW

Structure Type: TW Setup, DS Channel

Tailwater Type Free Outfall

Convergence Tolerances

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

Post-Development Conditions

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 5
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

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: Composite Outlet Structure - 5
 Scenario: Post-Development 100-Year Storm

Return Event: 100 years
 Storm Event: 100-YR

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)
521.56	0.00	(N/A)	0.00
521.66	0.00	(N/A)	0.00
521.76	0.00	(N/A)	0.00
521.86	0.00	(N/A)	0.00
521.96	0.00	(N/A)	0.00
522.06	0.00	(N/A)	0.00
522.16	0.00	(N/A)	0.00
522.26	0.00	(N/A)	0.00
522.36	0.00	(N/A)	0.00
522.46	0.00	(N/A)	0.00
522.56	0.00	(N/A)	0.00
522.66	0.00	(N/A)	0.00
522.76	0.00	(N/A)	0.00
522.86	0.00	(N/A)	0.00
522.96	0.00	(N/A)	0.00
523.06	0.00	(N/A)	0.00
523.16	0.00	(N/A)	0.00
523.26	0.00	(N/A)	0.00
523.36	0.00	(N/A)	0.00
523.46	0.00	(N/A)	0.00
523.56	0.00	(N/A)	0.00
523.64	0.00	(N/A)	0.00
523.66	0.00	(N/A)	0.00
523.76	0.34	(N/A)	0.00
523.86	1.57	(N/A)	0.00
523.96	4.01	(N/A)	0.00
524.06	7.94	(N/A)	0.00
524.16	13.55	(N/A)	0.00
524.26	21.05	(N/A)	0.00
524.36	30.61	(N/A)	0.00
524.46	42.39	(N/A)	0.00
524.56	56.53	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing

Post-Development Conditions

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 5
Scenario: Post-Development 100-Year Storm

Return Event: 100 years
Storm Event: 100-YR

Composite Outflow Summary

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 5
Weir - 5
Weir - 5
Weir - 5
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Weir - 5
Weir - 5
Weir - 5
Weir - 5
Weir - 5

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 1 years

Label: Outlet-1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.00 ft ³ /s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-1

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Peak Discharge	0.01 ft ³ /s
Time to Peak	24.000 hours
Hydrograph Volume	0.667 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.950	0.00	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 5 years

Label: Outlet-1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	21.350 hours
Hydrograph Volume	119.081 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.150	0.00	0.00	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	0.04 ft ³ /s
Time to Peak	14.300 hours
Hydrograph Volume	763.415 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.150	0.00	0.01	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.04	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet-1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	0.29 ft ³ /s
Time to Peak	12.200 hours
Hydrograph Volume	1,798.186 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.100	0.00	0.06	0.29	0.27	0.24
12.350	0.22	0.20	0.18	0.17	0.15
12.600	0.14	0.13	0.12	0.12	0.12
12.850	0.11	0.11	0.10	0.10	0.10
13.100	0.09	0.09	0.09	0.09	0.08
13.350	0.08	0.08	0.08	0.08	0.07
13.600	0.07	0.07	0.07	0.07	0.07
13.850	0.06	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.05	0.05
14.350	0.05	0.05	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.850	0.05	0.05	0.05	0.05	0.05
15.100	0.05	0.05	0.05	0.04	0.04
15.350	0.04	0.04	0.04	0.04	0.04
15.600	0.04	0.04	0.04	0.04	0.04
15.850	0.04	0.04	0.04	0.04	0.04
16.100	0.04	0.04	0.04	0.03	0.03
16.350	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.03	0.03	0.03
17.850	0.03	0.03	0.03	0.03	0.03
18.100	0.03	0.03	0.03	0.03	0.03
18.350	0.03	0.03	0.03	0.03	0.03
18.600	0.03	0.03	0.03	0.03	0.03
18.850	0.03	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-1

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.350	0.02	0.02	0.02	0.02	0.02
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.02	0.02	0.02	0.02	0.02
23.600	0.02	0.02	0.02	0.02	0.02
23.850	0.02	0.02	0.02	0.02	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet-1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	2.16 ft ³ /s
Time to Peak	11.950 hours
Hydrograph Volume	3,367.115 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	2.16	1.76	1.48	0.81
12.150	0.48	0.40	0.33	0.29	0.26
12.400	0.24	0.22	0.20	0.18	0.17
12.650	0.16	0.15	0.14	0.14	0.14
12.900	0.13	0.13	0.12	0.12	0.11
13.150	0.11	0.11	0.10	0.10	0.10
13.400	0.10	0.09	0.09	0.09	0.09
13.650	0.08	0.08	0.08	0.08	0.08
13.900	0.08	0.07	0.07	0.07	0.07
14.150	0.07	0.07	0.07	0.07	0.06
14.400	0.06	0.06	0.06	0.06	0.06
14.650	0.06	0.06	0.06	0.06	0.06
14.900	0.06	0.06	0.06	0.06	0.06
15.150	0.05	0.05	0.05	0.05	0.05
15.400	0.05	0.05	0.05	0.05	0.05
15.650	0.05	0.05	0.05	0.05	0.05
15.900	0.05	0.04	0.04	0.04	0.04
16.150	0.04	0.04	0.04	0.04	0.04
16.400	0.04	0.04	0.04	0.04	0.04
16.650	0.04	0.04	0.04	0.04	0.04
16.900	0.04	0.04	0.04	0.04	0.04
17.150	0.04	0.04	0.04	0.04	0.04
17.400	0.04	0.04	0.04	0.04	0.04
17.650	0.04	0.04	0.04	0.04	0.03
17.900	0.03	0.03	0.03	0.03	0.03
18.150	0.03	0.03	0.03	0.03	0.03
18.400	0.03	0.03	0.03	0.03	0.03
18.650	0.03	0.03	0.03	0.03	0.03
18.900	0.03	0.03	0.03	0.03	0.03
19.150	0.03	0.03	0.03	0.03	0.03
19.400	0.03	0.03	0.03	0.03	0.03
19.650	0.03	0.03	0.03	0.03	0.03
19.900	0.03	0.03	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-1

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	2.63 ft ³ /s
Time to Peak	11.900 hours
Hydrograph Volume	4,995.738 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.27	2.63	2.63	2.63
12.050	2.63	2.51	0.06	0.43	0.39
12.300	0.35	0.32	0.29	0.27	0.24
12.550	0.22	0.20	0.19	0.18	0.17
12.800	0.17	0.16	0.16	0.15	0.15
13.050	0.14	0.14	0.13	0.13	0.13
13.300	0.12	0.12	0.12	0.11	0.11
13.550	0.11	0.10	0.10	0.10	0.10
13.800	0.10	0.09	0.09	0.09	0.09
14.050	0.08	0.08	0.08	0.08	0.08
14.300	0.08	0.08	0.08	0.08	0.08
14.550	0.08	0.07	0.07	0.07	0.07
14.800	0.07	0.07	0.07	0.07	0.07
15.050	0.07	0.07	0.07	0.07	0.06
15.300	0.06	0.06	0.06	0.06	0.06
15.550	0.06	0.06	0.06	0.06	0.06
15.800	0.06	0.06	0.05	0.05	0.05
16.050	0.05	0.05	0.05	0.05	0.05
16.300	0.05	0.05	0.05	0.05	0.05
16.550	0.05	0.05	0.05	0.05	0.05
16.800	0.05	0.05	0.05	0.05	0.05
17.050	0.05	0.05	0.05	0.05	0.04
17.300	0.04	0.04	0.04	0.04	0.04
17.550	0.04	0.04	0.04	0.04	0.04
17.800	0.04	0.04	0.04	0.04	0.04
18.050	0.04	0.04	0.04	0.04	0.04
18.300	0.04	0.04	0.04	0.04	0.04
18.550	0.04	0.04	0.04	0.04	0.04
18.800	0.04	0.04	0.04	0.04	0.04
19.050	0.04	0.03	0.03	0.03	0.03
19.300	0.03	0.03	0.03	0.03	0.03
19.550	0.03	0.03	0.03	0.03	0.03
19.800	0.03	0.03	0.03	0.03	0.03
20.050	0.03	0.03	0.03	0.03	0.03
20.300	0.03	0.03	0.03	0.03	0.03
20.550	0.03	0.03	0.03	0.03	0.03
20.800	0.03	0.03	0.03	0.03	0.03
21.050	0.03	0.03	0.03	0.03	0.03
21.300	0.03	0.03	0.03	0.03	0.03
21.550	0.03	0.03	0.03	0.03	0.03
21.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-1

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.03	0.03	0.03	0.03	0.03
22.300	0.03	0.03	0.03	0.03	0.03
22.550	0.03	0.03	0.03	0.03	0.03
22.800	0.03	0.03	0.03	0.03	0.03
23.050	0.03	0.03	0.03	0.03	0.03
23.300	0.03	0.03	0.03	0.03	0.03
23.550	0.03	0.03	0.03	0.03	0.03
23.800	0.03	0.03	0.03	0.03	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 1 years

Label: Outlet-2

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	20.800 hours
Hydrograph Volume	170.453 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.550	0.00	0.00	0.00	0.00	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 2 years

Label: Outlet-2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.05 ft ³ /s
Time to Peak	13.550 hours
Hydrograph Volume	887.104 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.300	0.00	0.00	0.01	0.03	0.05
13.550	0.05	0.05	0.05	0.05	0.05
13.800	0.05	0.05	0.05	0.05	0.04
14.050	0.04	0.04	0.04	0.04	0.04
14.300	0.04	0.04	0.04	0.04	0.04
14.550	0.04	0.04	0.04	0.04	0.04
14.800	0.04	0.04	0.04	0.04	0.04
15.050	0.04	0.04	0.03	0.03	0.03
15.300	0.03	0.03	0.03	0.03	0.03
15.550	0.03	0.03	0.03	0.03	0.03
15.800	0.03	0.03	0.03	0.03	0.03
16.050	0.03	0.03	0.03	0.03	0.03
16.300	0.03	0.03	0.03	0.03	0.03
16.550	0.03	0.03	0.03	0.03	0.03
16.800	0.03	0.03	0.02	0.02	0.02
17.050	0.02	0.02	0.02	0.02	0.02
17.300	0.02	0.02	0.02	0.02	0.02
17.550	0.02	0.02	0.02	0.02	0.02
17.800	0.02	0.02	0.02	0.02	0.02
18.050	0.02	0.02	0.02	0.02	0.02
18.300	0.02	0.02	0.02	0.02	0.02
18.550	0.02	0.02	0.02	0.02	0.02
18.800	0.02	0.02	0.02	0.02	0.02
19.050	0.02	0.02	0.02	0.02	0.02
19.300	0.02	0.02	0.02	0.02	0.02
19.550	0.02	0.02	0.02	0.02	0.02
19.800	0.02	0.02	0.02	0.02	0.02
20.050	0.02	0.02	0.02	0.02	0.02
20.300	0.02	0.02	0.02	0.02	0.02
20.550	0.02	0.02	0.02	0.02	0.02
20.800	0.02	0.02	0.02	0.02	0.02
21.050	0.02	0.02	0.02	0.02	0.02
21.300	0.02	0.02	0.02	0.02	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-2

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 5 years

Label: Outlet-2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.16 ft ³ /s
Time to Peak	12.500 hours
Hydrograph Volume	1,590.323 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.350	0.00	0.04	0.11	0.16	0.14
12.600	0.13	0.13	0.12	0.12	0.11
12.850	0.11	0.11	0.10	0.10	0.10
13.100	0.09	0.09	0.09	0.09	0.08
13.350	0.08	0.08	0.08	0.08	0.07
13.600	0.07	0.07	0.07	0.07	0.07
13.850	0.06	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.06	0.06
14.350	0.06	0.06	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.850	0.05	0.05	0.05	0.05	0.05
15.100	0.05	0.05	0.05	0.05	0.05
15.350	0.05	0.04	0.04	0.04	0.04
15.600	0.04	0.04	0.04	0.04	0.04
15.850	0.04	0.04	0.04	0.04	0.04
16.100	0.04	0.04	0.04	0.04	0.04
16.350	0.04	0.04	0.04	0.04	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.03	0.03	0.03
17.850	0.03	0.03	0.03	0.03	0.03
18.100	0.03	0.03	0.03	0.03	0.03
18.350	0.03	0.03	0.03	0.03	0.03
18.600	0.03	0.03	0.03	0.03	0.03
18.850	0.03	0.03	0.03	0.03	0.03
19.100	0.03	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02
22.350	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-2

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.02	0.02	0.02	0.02	0.02
23.600	0.02	0.02	0.02	0.02	0.02
23.850	0.02	0.02	0.02	0.02	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	1.44 ft ³ /s
Time to Peak	12.050 hours
Hydrograph Volume	2,609.354 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.950	0.00	0.03	1.44	0.51	0.39
12.200	0.32	0.29	0.27	0.25	0.23
12.450	0.21	0.19	0.18	0.16	0.15
12.700	0.15	0.14	0.14	0.13	0.13
12.950	0.13	0.12	0.12	0.11	0.11
13.200	0.11	0.10	0.10	0.10	0.10
13.450	0.09	0.09	0.09	0.09	0.09
13.700	0.08	0.08	0.08	0.08	0.08
13.950	0.07	0.07	0.07	0.07	0.07
14.200	0.07	0.07	0.07	0.07	0.07
14.450	0.06	0.06	0.06	0.06	0.06
14.700	0.06	0.06	0.06	0.06	0.06
14.950	0.06	0.06	0.06	0.06	0.06
15.200	0.06	0.06	0.06	0.06	0.05
15.450	0.05	0.05	0.05	0.05	0.05
15.700	0.05	0.05	0.05	0.05	0.05
15.950	0.05	0.05	0.05	0.05	0.05
16.200	0.04	0.04	0.04	0.04	0.04
16.450	0.04	0.04	0.04	0.04	0.04
16.700	0.04	0.04	0.04	0.04	0.04
16.950	0.04	0.04	0.04	0.04	0.04
17.200	0.04	0.04	0.04	0.04	0.04
17.450	0.04	0.04	0.04	0.04	0.04
17.700	0.04	0.04	0.04	0.04	0.04
17.950	0.04	0.04	0.04	0.04	0.03
18.200	0.03	0.03	0.03	0.03	0.03
18.450	0.03	0.03	0.03	0.03	0.03
18.700	0.03	0.03	0.03	0.03	0.03
18.950	0.03	0.03	0.03	0.03	0.03
19.200	0.03	0.03	0.03	0.03	0.03
19.450	0.03	0.03	0.03	0.03	0.03
19.700	0.03	0.03	0.03	0.03	0.03
19.950	0.03	0.03	0.03	0.03	0.03
20.200	0.03	0.03	0.03	0.03	0.03
20.450	0.03	0.02	0.02	0.02	0.02
20.700	0.02	0.02	0.02	0.02	0.02
20.950	0.02	0.02	0.02	0.02	0.02
21.200	0.02	0.02	0.02	0.02	0.02
21.450	0.02	0.02	0.02	0.02	0.02
21.700	0.02	0.02	0.02	0.02	0.02
21.950	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.200	0.02	0.02	0.02	0.02	0.02
22.450	0.02	0.02	0.02	0.02	0.02
22.700	0.02	0.02	0.02	0.02	0.02
22.950	0.02	0.02	0.02	0.02	0.02
23.200	0.02	0.02	0.02	0.02	0.02
23.450	0.02	0.02	0.02	0.02	0.02
23.700	0.02	0.02	0.02	0.02	0.02
23.950	0.02	0.02	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet-2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	3.39 ft ³ /s
Time to Peak	11.950 hours
Hydrograph Volume	4,237.711 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.850	0.00	0.02	3.39	1.82	1.72
12.100	0.64	0.51	0.42	0.38	0.35
12.350	0.33	0.30	0.27	0.25	0.23
12.600	0.21	0.20	0.19	0.18	0.18
12.850	0.17	0.17	0.16	0.15	0.15
13.100	0.14	0.14	0.14	0.13	0.13
13.350	0.13	0.12	0.12	0.12	0.11
13.600	0.11	0.11	0.11	0.10	0.10
13.850	0.10	0.10	0.10	0.09	0.09
14.100	0.09	0.09	0.09	0.09	0.09
14.350	0.08	0.08	0.08	0.08	0.08
14.600	0.08	0.08	0.08	0.08	0.08
14.850	0.08	0.08	0.07	0.07	0.07
15.100	0.07	0.07	0.07	0.07	0.07
15.350	0.07	0.07	0.07	0.07	0.06
15.600	0.06	0.06	0.06	0.06	0.06
15.850	0.06	0.06	0.06	0.06	0.06
16.100	0.06	0.06	0.06	0.06	0.06
16.350	0.06	0.06	0.05	0.05	0.05
16.600	0.05	0.05	0.05	0.05	0.05
16.850	0.05	0.05	0.05	0.05	0.05
17.100	0.05	0.05	0.05	0.05	0.05
17.350	0.05	0.05	0.05	0.05	0.05
17.600	0.05	0.05	0.05	0.05	0.05
17.850	0.05	0.05	0.05	0.05	0.05
18.100	0.04	0.04	0.04	0.04	0.04
18.350	0.04	0.04	0.04	0.04	0.04
18.600	0.04	0.04	0.04	0.04	0.04
18.850	0.04	0.04	0.04	0.04	0.04
19.100	0.04	0.04	0.04	0.04	0.04
19.350	0.04	0.04	0.04	0.04	0.04
19.600	0.04	0.04	0.04	0.03	0.03
19.850	0.03	0.03	0.03	0.03	0.03
20.100	0.03	0.03	0.03	0.03	0.03
20.350	0.03	0.03	0.03	0.03	0.03
20.600	0.03	0.03	0.03	0.03	0.03
20.850	0.03	0.03	0.03	0.03	0.03
21.100	0.03	0.03	0.03	0.03	0.03
21.350	0.03	0.03	0.03	0.03	0.03
21.600	0.03	0.03	0.03	0.03	0.03
21.850	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet-2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.100	0.03	0.03	0.03	0.03	0.03
22.350	0.03	0.03	0.03	0.03	0.03
22.600	0.03	0.03	0.03	0.03	0.03
22.850	0.03	0.03	0.03	0.03	0.03
23.100	0.03	0.03	0.03	0.03	0.03
23.350	0.03	0.03	0.03	0.03	0.03
23.600	0.03	0.03	0.03	0.03	0.03
23.850	0.03	0.03	0.03	0.03	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet-2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	15.850 hours
Hydrograph Volume	588.023 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.01	0.01	0.01	0.01
12.050	0.01	0.01	0.01	0.01	0.01
12.300	0.01	0.01	0.01	0.01	0.01
12.550	0.01	0.01	0.01	0.01	0.01
12.800	0.01	0.01	0.01	0.01	0.01
13.050	0.01	0.01	0.01	0.01	0.01
13.300	0.01	0.01	0.01	0.01	0.01
13.550	0.01	0.01	0.01	0.01	0.01
13.800	0.01	0.01	0.01	0.01	0.01
14.050	0.01	0.01	0.01	0.01	0.01
14.300	0.01	0.01	0.01	0.01	0.01
14.550	0.01	0.01	0.01	0.01	0.01
14.800	0.01	0.01	0.01	0.01	0.01
15.050	0.01	0.01	0.01	0.01	0.01
15.300	0.01	0.01	0.01	0.01	0.01
15.550	0.01	0.01	0.01	0.01	0.01
15.800	0.01	0.01	0.01	0.01	0.01
16.050	0.01	0.01	0.01	0.01	0.01
16.300	0.01	0.01	0.01	0.01	0.01
16.550	0.01	0.01	0.01	0.01	0.01
16.800	0.01	0.01	0.01	0.01	0.01
17.050	0.01	0.01	0.01	0.01	0.01
17.300	0.01	0.01	0.01	0.01	0.01
17.550	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
18.050	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.550	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
19.050	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.550	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-2

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	4.12 ft ³ /s
Time to Peak	11.900 hours
Hydrograph Volume	8,071.637 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.650	0.00	0.40	1.92	2.08	3.19
11.900	4.12	3.90	3.27	2.16	1.05
12.150	0.64	0.59	0.54	0.50	0.46
12.400	0.43	0.40	0.37	0.34	0.31
12.650	0.29	0.28	0.27	0.26	0.25
12.900	0.24	0.23	0.23	0.22	0.21
13.150	0.20	0.20	0.19	0.19	0.19
13.400	0.18	0.18	0.17	0.17	0.16
13.650	0.16	0.15	0.15	0.15	0.14
13.900	0.14	0.14	0.13	0.13	0.13
14.150	0.13	0.13	0.12	0.12	0.12
14.400	0.12	0.12	0.12	0.12	0.12
14.650	0.11	0.11	0.11	0.11	0.11
14.900	0.11	0.11	0.11	0.11	0.10
15.150	0.10	0.10	0.10	0.10	0.10
15.400	0.10	0.10	0.09	0.09	0.09
15.650	0.09	0.09	0.09	0.09	0.09
15.900	0.08	0.08	0.08	0.08	0.08
16.150	0.08	0.08	0.08	0.08	0.08
16.400	0.08	0.08	0.08	0.08	0.08
16.650	0.08	0.07	0.07	0.07	0.07
16.900	0.07	0.07	0.07	0.07	0.07
17.150	0.07	0.07	0.07	0.07	0.07
17.400	0.07	0.07	0.07	0.07	0.07
17.650	0.07	0.07	0.07	0.07	0.07
17.900	0.06	0.06	0.06	0.06	0.06
18.150	0.06	0.06	0.06	0.06	0.06
18.400	0.06	0.06	0.06	0.06	0.06
18.650	0.06	0.06	0.06	0.06	0.06
18.900	0.06	0.06	0.06	0.05	0.05
19.150	0.05	0.05	0.05	0.05	0.05
19.400	0.05	0.05	0.05	0.05	0.05
19.650	0.05	0.05	0.05	0.05	0.05
19.900	0.05	0.05	0.05	0.05	0.05
20.150	0.05	0.05	0.05	0.05	0.05
20.400	0.05	0.04	0.04	0.04	0.04
20.650	0.04	0.04	0.04	0.04	0.04
20.900	0.04	0.04	0.04	0.04	0.04
21.150	0.04	0.04	0.04	0.04	0.04
21.400	0.04	0.04	0.04	0.04	0.04
21.650	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.900	0.04	0.04	0.04	0.04	0.04
22.150	0.04	0.04	0.04	0.04	0.04
22.400	0.04	0.04	0.04	0.04	0.04
22.650	0.04	0.04	0.04	0.04	0.04
22.900	0.04	0.04	0.04	0.04	0.04
23.150	0.04	0.04	0.04	0.04	0.04
23.400	0.04	0.04	0.04	0.04	0.04
23.650	0.04	0.04	0.04	0.04	0.04
23.900	0.04	0.04	0.04	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 1 years

Label: Outlet-3

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	18.000 hours
Hydrograph Volume	241.683 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.350	0.00	0.00	0.01	0.01	0.01
17.600	0.01	0.01	0.01	0.01	0.01
17.850	0.01	0.01	0.01	0.01	0.01
18.100	0.01	0.01	0.01	0.01	0.01
18.350	0.01	0.01	0.01	0.01	0.01
18.600	0.01	0.01	0.01	0.01	0.01
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 2 years

Label: Outlet-3

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.05 ft ³ /s
Time to Peak	13.300 hours
Hydrograph Volume	806.706 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.900	0.00	0.02	0.03	0.04	0.04
13.150	0.05	0.05	0.05	0.05	0.05
13.400	0.05	0.05	0.05	0.05	0.05
13.650	0.05	0.04	0.04	0.04	0.04
13.900	0.04	0.04	0.04	0.04	0.04
14.150	0.04	0.04	0.03	0.03	0.03
14.400	0.03	0.03	0.03	0.03	0.03
14.650	0.03	0.03	0.03	0.03	0.03
14.900	0.03	0.03	0.03	0.03	0.03
15.150	0.03	0.03	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.02	0.02	0.02
15.900	0.02	0.02	0.02	0.02	0.02
16.150	0.02	0.02	0.02	0.02	0.02
16.400	0.02	0.02	0.02	0.02	0.02
16.650	0.02	0.02	0.02	0.02	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.650	0.01	0.01	0.01	0.01	0.01
19.900	0.01	0.01	0.01	0.01	0.01
20.150	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.650	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-3

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 5 years

Label: Outlet-3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.54 ft ³ /s
Time to Peak	12.150 hours
Hydrograph Volume	1,702.710 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.100	0.00	0.54	0.49	0.34	0.27
12.350	0.22	0.19	0.17	0.15	0.14
12.600	0.12	0.11	0.11	0.10	0.10
12.850	0.09	0.09	0.09	0.08	0.08
13.100	0.08	0.08	0.07	0.07	0.07
13.350	0.07	0.07	0.06	0.06	0.06
13.600	0.06	0.06	0.06	0.06	0.06
13.850	0.06	0.05	0.05	0.05	0.05
14.100	0.05	0.05	0.05	0.05	0.05
14.350	0.05	0.05	0.04	0.04	0.04
14.600	0.04	0.04	0.04	0.04	0.04
14.850	0.04	0.04	0.04	0.04	0.04
15.100	0.04	0.04	0.04	0.04	0.04
15.350	0.04	0.04	0.04	0.04	0.04
15.600	0.03	0.03	0.03	0.03	0.03
15.850	0.03	0.03	0.03	0.03	0.03
16.100	0.03	0.03	0.03	0.03	0.03
16.350	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.02	0.02	0.02
17.850	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.350	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.02
18.850	0.02	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-3

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.350	0.02	0.02	0.02	0.02	0.02
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	1.21 ft ³ /s
Time to Peak	12.100 hours
Hydrograph Volume	2,531.877 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.000	0.00	1.09	1.21	0.77	0.61
12.250	0.43	0.34	0.28	0.24	0.21
12.500	0.19	0.17	0.15	0.14	0.13
12.750	0.13	0.12	0.12	0.11	0.11
13.000	0.10	0.10	0.10	0.09	0.09
13.250	0.09	0.09	0.08	0.08	0.08
13.500	0.08	0.08	0.07	0.07	0.07
13.750	0.07	0.07	0.07	0.06	0.06
14.000	0.06	0.06	0.06	0.06	0.06
14.250	0.06	0.06	0.06	0.06	0.05
14.500	0.05	0.05	0.05	0.05	0.05
14.750	0.05	0.05	0.05	0.05	0.05
15.000	0.05	0.05	0.05	0.05	0.05
15.250	0.05	0.05	0.05	0.05	0.04
15.500	0.04	0.04	0.04	0.04	0.04
15.750	0.04	0.04	0.04	0.04	0.04
16.000	0.04	0.04	0.04	0.04	0.04
16.250	0.04	0.04	0.04	0.04	0.04
16.500	0.04	0.03	0.03	0.03	0.03
16.750	0.03	0.03	0.03	0.03	0.03
17.000	0.03	0.03	0.03	0.03	0.03
17.250	0.03	0.03	0.03	0.03	0.03
17.500	0.03	0.03	0.03	0.03	0.03
17.750	0.03	0.03	0.03	0.03	0.03
18.000	0.03	0.03	0.03	0.03	0.03
18.250	0.03	0.03	0.03	0.03	0.03
18.500	0.03	0.03	0.03	0.03	0.03
18.750	0.03	0.03	0.03	0.03	0.03
19.000	0.03	0.03	0.03	0.03	0.02
19.250	0.02	0.02	0.02	0.02	0.02
19.500	0.02	0.02	0.02	0.02	0.02
19.750	0.02	0.02	0.02	0.02	0.02
20.000	0.02	0.02	0.02	0.02	0.02
20.250	0.02	0.02	0.02	0.02	0.02
20.500	0.02	0.02	0.02	0.02	0.02
20.750	0.02	0.02	0.02	0.02	0.02
21.000	0.02	0.02	0.02	0.02	0.02
21.250	0.02	0.02	0.02	0.02	0.02
21.500	0.02	0.02	0.02	0.02	0.02
21.750	0.02	0.02	0.02	0.02	0.02
22.000	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.250	0.02	0.02	0.02	0.02	0.02
22.500	0.02	0.02	0.02	0.02	0.02
22.750	0.02	0.02	0.02	0.02	0.02
23.000	0.02	0.02	0.02	0.02	0.02
23.250	0.02	0.02	0.02	0.02	0.02
23.500	0.02	0.02	0.02	0.02	0.02
23.750	0.02	0.02	0.02	0.02	0.02
24.000	0.02	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet-3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	2.15 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	3,870.780 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	1.02	2.15	1.59	1.55
12.150	0.99	0.79	0.57	0.44	0.37
12.400	0.32	0.28	0.25	0.22	0.20
12.650	0.19	0.17	0.16	0.16	0.15
12.900	0.15	0.14	0.14	0.13	0.13
13.150	0.12	0.12	0.12	0.11	0.11
13.400	0.11	0.10	0.10	0.10	0.10
13.650	0.09	0.09	0.09	0.09	0.09
13.900	0.08	0.08	0.08	0.08	0.08
14.150	0.07	0.07	0.07	0.07	0.07
14.400	0.07	0.07	0.07	0.07	0.07
14.650	0.07	0.07	0.07	0.06	0.06
14.900	0.06	0.06	0.06	0.06	0.06
15.150	0.06	0.06	0.06	0.06	0.06
15.400	0.06	0.06	0.06	0.06	0.06
15.650	0.05	0.05	0.05	0.05	0.05
15.900	0.05	0.05	0.05	0.05	0.05
16.150	0.05	0.05	0.05	0.05	0.05
16.400	0.05	0.05	0.05	0.04	0.04
16.650	0.04	0.04	0.04	0.04	0.04
16.900	0.04	0.04	0.04	0.04	0.04
17.150	0.04	0.04	0.04	0.04	0.04
17.400	0.04	0.04	0.04	0.04	0.04
17.650	0.04	0.04	0.04	0.04	0.04
17.900	0.04	0.04	0.04	0.04	0.04
18.150	0.04	0.04	0.04	0.04	0.04
18.400	0.04	0.04	0.04	0.04	0.03
18.650	0.03	0.03	0.03	0.03	0.03
18.900	0.03	0.03	0.03	0.03	0.03
19.150	0.03	0.03	0.03	0.03	0.03
19.400	0.03	0.03	0.03	0.03	0.03
19.650	0.03	0.03	0.03	0.03	0.03
19.900	0.03	0.03	0.03	0.03	0.03
20.150	0.03	0.03	0.03	0.03	0.03
20.400	0.03	0.03	0.03	0.03	0.03
20.650	0.03	0.03	0.03	0.03	0.03
20.900	0.03	0.03	0.03	0.03	0.03
21.150	0.03	0.03	0.03	0.03	0.03
21.400	0.03	0.03	0.03	0.03	0.03
21.650	0.03	0.03	0.03	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-3

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet-3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	2.33 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	5,152.748 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.18	1.81	1.93	2.33
12.050	2.15	1.81	1.27	0.89	0.71
12.300	0.54	0.45	0.39	0.34	0.30
12.550	0.27	0.25	0.23	0.21	0.20
12.800	0.19	0.18	0.18	0.17	0.16
13.050	0.16	0.15	0.15	0.14	0.14
13.300	0.14	0.13	0.13	0.13	0.12
13.550	0.12	0.12	0.11	0.11	0.11
13.800	0.11	0.10	0.10	0.10	0.10
14.050	0.09	0.09	0.09	0.09	0.09
14.300	0.09	0.09	0.08	0.08	0.08
14.550	0.08	0.08	0.08	0.08	0.08
14.800	0.08	0.08	0.08	0.08	0.07
15.050	0.07	0.07	0.07	0.07	0.07
15.300	0.07	0.07	0.07	0.07	0.07
15.550	0.07	0.07	0.06	0.06	0.06
15.800	0.06	0.06	0.06	0.06	0.06
16.050	0.06	0.06	0.06	0.06	0.06
16.300	0.06	0.06	0.06	0.05	0.05
16.550	0.05	0.05	0.05	0.05	0.05
16.800	0.05	0.05	0.05	0.05	0.05
17.050	0.05	0.05	0.05	0.05	0.05
17.300	0.05	0.05	0.05	0.05	0.05
17.550	0.05	0.05	0.05	0.05	0.05
17.800	0.05	0.05	0.05	0.05	0.05
18.050	0.05	0.04	0.04	0.04	0.04
18.300	0.04	0.04	0.04	0.04	0.04
18.550	0.04	0.04	0.04	0.04	0.04
18.800	0.04	0.04	0.04	0.04	0.04
19.050	0.04	0.04	0.04	0.04	0.04
19.300	0.04	0.04	0.04	0.04	0.04
19.550	0.04	0.04	0.04	0.04	0.04
19.800	0.03	0.03	0.03	0.03	0.03
20.050	0.03	0.03	0.03	0.03	0.03
20.300	0.03	0.03	0.03	0.03	0.03
20.550	0.03	0.03	0.03	0.03	0.03
20.800	0.03	0.03	0.03	0.03	0.03
21.050	0.03	0.03	0.03	0.03	0.03
21.300	0.03	0.03	0.03	0.03	0.03
21.550	0.03	0.03	0.03	0.03	0.03
21.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-3

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.03	0.03	0.03	0.03	0.03
22.300	0.03	0.03	0.03	0.03	0.03
22.550	0.03	0.03	0.03	0.03	0.03
22.800	0.03	0.03	0.03	0.03	0.03
23.050	0.03	0.03	0.03	0.03	0.03
23.300	0.03	0.03	0.03	0.03	0.03
23.550	0.03	0.03	0.03	0.03	0.03
23.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	2.81 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	6,707.534 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.700	0.00	0.33	1.09	1.46	2.00
11.950	2.54	2.81	2.69	2.20	1.57
12.200	1.07	0.82	0.67	0.55	0.47
12.450	0.41	0.37	0.33	0.30	0.27
12.700	0.26	0.24	0.23	0.22	0.21
12.950	0.21	0.20	0.19	0.19	0.18
13.200	0.17	0.17	0.16	0.16	0.16
13.450	0.15	0.15	0.14	0.14	0.14
13.700	0.13	0.13	0.13	0.12	0.12
13.950	0.12	0.12	0.11	0.11	0.11
14.200	0.11	0.11	0.10	0.10	0.10
14.450	0.10	0.10	0.10	0.10	0.10
14.700	0.10	0.10	0.09	0.09	0.09
14.950	0.09	0.09	0.09	0.09	0.09
15.200	0.09	0.09	0.08	0.08	0.08
15.450	0.08	0.08	0.08	0.08	0.08
15.700	0.08	0.08	0.07	0.07	0.07
15.950	0.07	0.07	0.07	0.07	0.07
16.200	0.07	0.07	0.07	0.07	0.07
16.450	0.06	0.06	0.06	0.06	0.06
16.700	0.06	0.06	0.06	0.06	0.06
16.950	0.06	0.06	0.06	0.06	0.06
17.200	0.06	0.06	0.06	0.06	0.06
17.450	0.06	0.06	0.06	0.06	0.06
17.700	0.06	0.06	0.06	0.06	0.06
17.950	0.06	0.05	0.05	0.05	0.05
18.200	0.05	0.05	0.05	0.05	0.05
18.450	0.05	0.05	0.05	0.05	0.05
18.700	0.05	0.05	0.05	0.05	0.05
18.950	0.05	0.05	0.05	0.05	0.05
19.200	0.05	0.05	0.05	0.05	0.04
19.450	0.04	0.04	0.04	0.04	0.04
19.700	0.04	0.04	0.04	0.04	0.04
19.950	0.04	0.04	0.04	0.04	0.04
20.200	0.04	0.04	0.04	0.04	0.04
20.450	0.04	0.04	0.04	0.04	0.04
20.700	0.04	0.04	0.04	0.04	0.04
20.950	0.04	0.04	0.04	0.04	0.04
21.200	0.04	0.04	0.04	0.04	0.04
21.450	0.04	0.04	0.04	0.04	0.04
21.700	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.950	0.04	0.04	0.04	0.04	0.04
22.200	0.04	0.04	0.04	0.04	0.04
22.450	0.04	0.04	0.03	0.03	0.03
22.700	0.03	0.03	0.03	0.03	0.03
22.950	0.03	0.03	0.03	0.03	0.03
23.200	0.03	0.03	0.03	0.03	0.03
23.450	0.03	0.03	0.03	0.03	0.03
23.700	0.03	0.03	0.03	0.03	0.03
23.950	0.03	0.03	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 1 years

Label: Outlet-4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.18 ft ³ /s
Time to Peak	12.100 hours
Hydrograph Volume	609.423 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.000	0.00	0.08	0.18	0.16	0.12
12.250	0.10	0.09	0.08	0.07	0.06
12.500	0.06	0.05	0.05	0.04	0.04
12.750	0.04	0.03	0.03	0.03	0.03
13.000	0.03	0.03	0.03	0.03	0.02
13.250	0.02	0.02	0.02	0.02	0.02
13.500	0.02	0.02	0.02	0.02	0.02
13.750	0.02	0.02	0.02	0.02	0.02
14.000	0.02	0.02	0.02	0.02	0.02
14.250	0.02	0.01	0.01	0.01	0.01
14.500	0.01	0.01	0.01	0.01	0.01
14.750	0.01	0.01	0.01	0.01	0.01
15.000	0.01	0.01	0.01	0.01	0.01
15.250	0.01	0.01	0.01	0.01	0.01
15.500	0.01	0.01	0.01	0.01	0.01
15.750	0.01	0.01	0.01	0.01	0.01
16.000	0.01	0.01	0.01	0.01	0.01
16.250	0.01	0.01	0.01	0.01	0.01
16.500	0.01	0.01	0.01	0.01	0.01
16.750	0.01	0.01	0.01	0.01	0.01
17.000	0.01	0.01	0.01	0.01	0.01
17.250	0.01	0.01	0.01	0.01	0.01
17.500	0.01	0.01	0.01	0.01	0.01
17.750	0.01	0.01	0.01	0.01	0.01
18.000	0.01	0.01	0.01	0.01	0.01
18.250	0.01	0.01	0.01	0.01	0.01
18.500	0.01	0.01	0.01	0.01	0.01
18.750	0.01	0.01	0.01	0.01	0.01
19.000	0.01	0.01	0.01	0.01	0.01
19.250	0.01	0.01	0.01	0.01	0.01
19.500	0.01	0.01	0.01	0.01	0.01
19.750	0.01	0.01	0.01	0.01	0.01
20.000	0.01	0.01	0.01	0.01	0.01
20.250	0.01	0.01	0.01	0.01	0.01
20.500	0.01	0.01	0.01	0.01	0.01
20.750	0.01	0.01	0.01	0.01	0.01
21.000	0.01	0.01	0.01	0.01	0.01
21.250	0.01	0.01	0.01	0.01	0.01
21.500	0.01	0.01	0.01	0.01	0.01
21.750	0.01	0.01	0.01	0.01	0.01
22.000	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 1 years

Label: Outlet-4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.250	0.01	0.01	0.01	0.01	0.01
22.500	0.01	0.01	0.01	0.01	0.01
22.750	0.01	0.01	0.01	0.01	0.01
23.000	0.01	0.01	0.01	0.01	0.01
23.250	0.01	0.01	0.01	0.01	0.01
23.500	0.01	0.01	0.01	0.01	0.01
23.750	0.01	0.00	0.00	0.00	0.00
24.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 2 years

Label: Outlet-4

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.43 ft ³ /s
Time to Peak	12.050 hours
Hydrograph Volume	941.741 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	0.07	0.36	0.43	0.34
12.150	0.22	0.15	0.12	0.11	0.10
12.400	0.09	0.08	0.07	0.07	0.06
12.650	0.06	0.05	0.05	0.05	0.04
12.900	0.04	0.04	0.04	0.04	0.04
13.150	0.03	0.03	0.03	0.03	0.03
13.400	0.03	0.03	0.03	0.03	0.03
13.650	0.03	0.03	0.02	0.02	0.02
13.900	0.02	0.02	0.02	0.02	0.02
14.150	0.02	0.02	0.02	0.02	0.02
14.400	0.02	0.02	0.02	0.02	0.02
14.650	0.02	0.02	0.02	0.02	0.02
14.900	0.02	0.02	0.02	0.02	0.02
15.150	0.02	0.02	0.02	0.02	0.02
15.400	0.02	0.02	0.02	0.02	0.01
15.650	0.01	0.01	0.01	0.01	0.01
15.900	0.01	0.01	0.01	0.01	0.01
16.150	0.01	0.01	0.01	0.01	0.01
16.400	0.01	0.01	0.01	0.01	0.01
16.650	0.01	0.01	0.01	0.01	0.01
16.900	0.01	0.01	0.01	0.01	0.01
17.150	0.01	0.01	0.01	0.01	0.01
17.400	0.01	0.01	0.01	0.01	0.01
17.650	0.01	0.01	0.01	0.01	0.01
17.900	0.01	0.01	0.01	0.01	0.01
18.150	0.01	0.01	0.01	0.01	0.01
18.400	0.01	0.01	0.01	0.01	0.01
18.650	0.01	0.01	0.01	0.01	0.01
18.900	0.01	0.01	0.01	0.01	0.01
19.150	0.01	0.01	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.650	0.01	0.01	0.01	0.01	0.01
19.900	0.01	0.01	0.01	0.01	0.01
20.150	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.650	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-4

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 5 years

Label: Outlet-4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.66 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	1,465.805 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.05	0.33	0.61	0.66
12.050	0.62	0.48	0.31	0.20	0.15
12.300	0.12	0.12	0.11	0.10	0.10
12.550	0.09	0.08	0.07	0.07	0.07
12.800	0.06	0.06	0.06	0.05	0.05
13.050	0.05	0.05	0.05	0.04	0.04
13.300	0.04	0.04	0.04	0.04	0.04
13.550	0.04	0.04	0.04	0.03	0.03
13.800	0.03	0.03	0.03	0.03	0.03
14.050	0.03	0.03	0.03	0.03	0.03
14.300	0.03	0.03	0.03	0.03	0.03
14.550	0.03	0.02	0.02	0.02	0.02
14.800	0.02	0.02	0.02	0.02	0.02
15.050	0.02	0.02	0.02	0.02	0.02
15.300	0.02	0.02	0.02	0.02	0.02
15.550	0.02	0.02	0.02	0.02	0.02
15.800	0.02	0.02	0.02	0.02	0.02
16.050	0.02	0.02	0.02	0.02	0.02
16.300	0.02	0.02	0.02	0.02	0.02
16.550	0.02	0.02	0.02	0.02	0.02
16.800	0.02	0.02	0.02	0.02	0.02
17.050	0.02	0.02	0.02	0.02	0.02
17.300	0.02	0.02	0.01	0.01	0.01
17.550	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
18.050	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.550	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
19.050	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.550	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-4

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	0.86 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	1,948.726 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.700	0.00	0.03	0.15	0.43	0.60
11.950	0.82	0.86	0.76	0.59	0.39
12.200	0.25	0.19	0.15	0.14	0.12
12.450	0.12	0.11	0.10	0.10	0.09
12.700	0.08	0.08	0.08	0.07	0.07
12.950	0.07	0.06	0.06	0.06	0.06
13.200	0.06	0.05	0.05	0.05	0.05
13.450	0.05	0.05	0.05	0.04	0.04
13.700	0.04	0.04	0.04	0.04	0.04
13.950	0.04	0.04	0.04	0.04	0.03
14.200	0.03	0.03	0.03	0.03	0.03
14.450	0.03	0.03	0.03	0.03	0.03
14.700	0.03	0.03	0.03	0.03	0.03
14.950	0.03	0.03	0.03	0.03	0.03
15.200	0.03	0.03	0.03	0.03	0.03
15.450	0.03	0.03	0.02	0.02	0.02
15.700	0.02	0.02	0.02	0.02	0.02
15.950	0.02	0.02	0.02	0.02	0.02
16.200	0.02	0.02	0.02	0.02	0.02
16.450	0.02	0.02	0.02	0.02	0.02
16.700	0.02	0.02	0.02	0.02	0.02
16.950	0.02	0.02	0.02	0.02	0.02
17.200	0.02	0.02	0.02	0.02	0.02
17.450	0.02	0.02	0.02	0.02	0.02
17.700	0.02	0.02	0.02	0.02	0.02
17.950	0.02	0.02	0.02	0.02	0.02
18.200	0.02	0.02	0.02	0.02	0.02
18.450	0.02	0.02	0.02	0.02	0.02
18.700	0.02	0.02	0.02	0.02	0.01
18.950	0.01	0.01	0.01	0.01	0.01
19.200	0.01	0.01	0.01	0.01	0.01
19.450	0.01	0.01	0.01	0.01	0.01
19.700	0.01	0.01	0.01	0.01	0.01
19.950	0.01	0.01	0.01	0.01	0.01
20.200	0.01	0.01	0.01	0.01	0.01
20.450	0.01	0.01	0.01	0.01	0.01
20.700	0.01	0.01	0.01	0.01	0.01
20.950	0.01	0.01	0.01	0.01	0.01
21.200	0.01	0.01	0.01	0.01	0.01
21.450	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.950	0.01	0.01	0.01	0.01	0.01
22.200	0.01	0.01	0.01	0.01	0.01
22.450	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.950	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.450	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet-4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	1.14 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	2,725.888 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.400	0.00	0.02	0.04	0.05	0.07
11.650	0.10	0.19	0.32	0.44	0.59
11.900	0.88	1.13	1.14	1.01	0.73
12.150	0.51	0.33	0.25	0.20	0.18
12.400	0.16	0.14	0.13	0.12	0.12
12.650	0.11	0.11	0.10	0.10	0.09
12.900	0.09	0.09	0.08	0.08	0.08
13.150	0.07	0.07	0.07	0.07	0.07
13.400	0.06	0.06	0.06	0.06	0.06
13.650	0.06	0.05	0.05	0.05	0.05
13.900	0.05	0.05	0.05	0.05	0.05
14.150	0.04	0.04	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.03	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet-4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet-4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	1.41 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	3,467.972 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.900	0.00	0.00	0.02	0.03	0.04
11.150	0.05	0.06	0.06	0.07	0.07
11.400	0.08	0.08	0.09	0.10	0.11
11.650	0.18	0.29	0.41	0.56	0.78
11.900	1.13	1.39	1.41	1.23	0.89
12.150	0.58	0.41	0.30	0.25	0.22
12.400	0.19	0.18	0.16	0.15	0.13
12.650	0.12	0.12	0.12	0.11	0.11
12.900	0.11	0.10	0.10	0.10	0.09
13.150	0.09	0.09	0.08	0.08	0.08
13.400	0.08	0.08	0.07	0.07	0.07
13.650	0.07	0.07	0.06	0.06	0.06
13.900	0.06	0.06	0.06	0.06	0.05
14.150	0.05	0.05	0.05	0.05	0.05
14.400	0.05	0.05	0.05	0.05	0.05
14.650	0.05	0.05	0.05	0.05	0.05
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.04	0.04	0.04	0.04
15.400	0.04	0.04	0.04	0.04	0.04
15.650	0.04	0.04	0.04	0.04	0.04
15.900	0.04	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.03	0.03
17.150	0.03	0.03	0.03	0.03	0.03
17.400	0.03	0.03	0.03	0.03	0.03
17.650	0.03	0.03	0.03	0.03	0.03
17.900	0.03	0.03	0.03	0.03	0.03
18.150	0.03	0.03	0.03	0.03	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet-4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	1.73 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	4,366.214 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.300	0.00	0.01	0.02	0.03	0.04
10.550	0.04	0.04	0.05	0.05	0.05
10.800	0.05	0.06	0.06	0.06	0.07
11.050	0.07	0.07	0.08	0.08	0.08
11.300	0.09	0.10	0.10	0.11	0.11
11.550	0.13	0.18	0.26	0.37	0.52
11.800	0.71	1.03	1.39	1.72	1.73
12.050	1.51	1.09	0.66	0.49	0.36
12.300	0.30	0.26	0.23	0.21	0.19
12.550	0.18	0.16	0.15	0.14	0.13
12.800	0.13	0.12	0.12	0.12	0.12
13.050	0.11	0.11	0.11	0.10	0.10
13.300	0.10	0.10	0.09	0.09	0.09
13.550	0.09	0.08	0.08	0.08	0.08
13.800	0.08	0.07	0.07	0.07	0.07
14.050	0.07	0.07	0.06	0.06	0.06
14.300	0.06	0.06	0.06	0.06	0.06
14.550	0.06	0.06	0.06	0.06	0.06
14.800	0.06	0.05	0.05	0.05	0.05
15.050	0.05	0.05	0.05	0.05	0.05
15.300	0.05	0.05	0.05	0.05	0.05
15.550	0.05	0.05	0.05	0.04	0.04
15.800	0.04	0.04	0.04	0.04	0.04
16.050	0.04	0.04	0.04	0.04	0.04
16.300	0.04	0.04	0.04	0.04	0.04
16.550	0.04	0.04	0.04	0.04	0.04
16.800	0.04	0.04	0.04	0.04	0.04
17.050	0.04	0.03	0.03	0.03	0.03
17.300	0.03	0.03	0.03	0.03	0.03
17.550	0.03	0.03	0.03	0.03	0.03
17.800	0.03	0.03	0.03	0.03	0.03
18.050	0.03	0.03	0.03	0.03	0.03
18.300	0.03	0.03	0.03	0.03	0.03
18.550	0.03	0.03	0.03	0.03	0.03
18.800	0.03	0.03	0.03	0.03	0.03
19.050	0.03	0.03	0.03	0.03	0.03
19.300	0.03	0.03	0.03	0.03	0.03
19.550	0.02	0.02	0.02	0.02	0.02
19.800	0.02	0.02	0.02	0.02	0.02
20.050	0.02	0.02	0.02	0.02	0.02
20.300	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.550	0.02	0.02	0.02	0.02	0.02
20.800	0.02	0.02	0.02	0.02	0.02
21.050	0.02	0.02	0.02	0.02	0.02
21.300	0.02	0.02	0.02	0.02	0.02
21.550	0.02	0.02	0.02	0.02	0.02
21.800	0.02	0.02	0.02	0.02	0.02
22.050	0.02	0.02	0.02	0.02	0.02
22.300	0.02	0.02	0.02	0.02	0.02
22.550	0.02	0.02	0.02	0.02	0.02
22.800	0.02	0.02	0.02	0.02	0.02
23.050	0.02	0.02	0.02	0.02	0.02
23.300	0.02	0.02	0.02	0.02	0.02
23.550	0.02	0.02	0.02	0.02	0.02
23.800	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 1 years

Label: Outlet-5

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.00 ft ³ /s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 2 years

Label: Outlet-5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.00 ft ³ /s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 5 years

Label: Outlet-5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	21.750 hours
Hydrograph Volume	69.418 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.950	0.00	0.00	0.00	0.00	0.00
21.200	0.00	0.00	0.00	0.00	0.00
21.450	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01
21.950	0.01	0.01	0.01	0.01	0.01
22.200	0.01	0.01	0.01	0.01	0.01
22.450	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.950	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.450	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 10 years

Label: Outlet-5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	0.02 ft ³ /s
Time to Peak	14.450 hours
Hydrograph Volume	454.783 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.100	0.00	0.00	0.00	0.01	0.02
14.350	0.02	0.02	0.02	0.02	0.02
14.600	0.02	0.02	0.02	0.02	0.02
14.850	0.02	0.02	0.02	0.02	0.02
15.100	0.02	0.02	0.02	0.02	0.02
15.350	0.02	0.02	0.02	0.02	0.02
15.600	0.02	0.02	0.02	0.02	0.02
15.850	0.02	0.02	0.02	0.02	0.02
16.100	0.02	0.02	0.02	0.02	0.02
16.350	0.02	0.02	0.02	0.02	0.02
16.600	0.02	0.02	0.02	0.02	0.02
16.850	0.02	0.02	0.02	0.02	0.01
17.100	0.01	0.01	0.01	0.01	0.01
17.350	0.01	0.01	0.01	0.01	0.01
17.600	0.01	0.01	0.01	0.01	0.01
17.850	0.01	0.01	0.01	0.01	0.01
18.100	0.01	0.01	0.01	0.01	0.01
18.350	0.01	0.01	0.01	0.01	0.01
18.600	0.01	0.01	0.01	0.01	0.01
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 25 years

Label: Outlet-5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	0.15 ft ³ /s
Time to Peak	12.250 hours
Hydrograph Volume	1,070.323 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.100	0.00	0.03	0.13	0.15	0.14
12.350	0.13	0.12	0.11	0.10	0.09
12.600	0.09	0.08	0.08	0.07	0.07
12.850	0.07	0.07	0.06	0.06	0.06
13.100	0.06	0.05	0.05	0.05	0.05
13.350	0.05	0.05	0.05	0.05	0.04
13.600	0.04	0.04	0.04	0.04	0.04
13.850	0.04	0.04	0.04	0.04	0.04
14.100	0.03	0.03	0.03	0.03	0.03
14.350	0.03	0.03	0.03	0.03	0.03
14.600	0.03	0.03	0.03	0.03	0.03
14.850	0.03	0.03	0.03	0.03	0.03
15.100	0.03	0.03	0.03	0.03	0.03
15.350	0.03	0.03	0.03	0.03	0.02
15.600	0.02	0.02	0.02	0.02	0.02
15.850	0.02	0.02	0.02	0.02	0.02
16.100	0.02	0.02	0.02	0.02	0.02
16.350	0.02	0.02	0.02	0.02	0.02
16.600	0.02	0.02	0.02	0.02	0.02
16.850	0.02	0.02	0.02	0.02	0.02
17.100	0.02	0.02	0.02	0.02	0.02
17.350	0.02	0.02	0.02	0.02	0.02
17.600	0.02	0.02	0.02	0.02	0.02
17.850	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.350	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.02
18.850	0.02	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-5

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 50 years

Label: Outlet-5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	0.94 ft ³ /s
Time to Peak	12.050 hours
Hydrograph Volume	1,654.724 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.950	0.00	0.13	0.94	0.53	0.31
12.200	0.26	0.22	0.19	0.17	0.15
12.450	0.14	0.13	0.11	0.10	0.10
12.700	0.09	0.09	0.08	0.08	0.08
12.950	0.08	0.07	0.07	0.07	0.07
13.200	0.06	0.06	0.06	0.06	0.06
13.450	0.06	0.06	0.05	0.05	0.05
13.700	0.05	0.05	0.05	0.05	0.05
13.950	0.04	0.04	0.04	0.04	0.04
14.200	0.04	0.04	0.04	0.04	0.04
14.450	0.04	0.04	0.04	0.04	0.04
14.700	0.04	0.04	0.04	0.03	0.03
14.950	0.03	0.03	0.03	0.03	0.03
15.200	0.03	0.03	0.03	0.03	0.03
15.450	0.03	0.03	0.03	0.03	0.03
15.700	0.03	0.03	0.03	0.03	0.03
15.950	0.03	0.03	0.03	0.03	0.03
16.200	0.03	0.03	0.02	0.02	0.02
16.450	0.02	0.02	0.02	0.02	0.02
16.700	0.02	0.02	0.02	0.02	0.02
16.950	0.02	0.02	0.02	0.02	0.02
17.200	0.02	0.02	0.02	0.02	0.02
17.450	0.02	0.02	0.02	0.02	0.02
17.700	0.02	0.02	0.02	0.02	0.02
17.950	0.02	0.02	0.02	0.02	0.02
18.200	0.02	0.02	0.02	0.02	0.02
18.450	0.02	0.02	0.02	0.02	0.02
18.700	0.02	0.02	0.02	0.02	0.02
18.950	0.02	0.02	0.02	0.02	0.02
19.200	0.02	0.02	0.02	0.02	0.02
19.450	0.02	0.02	0.02	0.02	0.02
19.700	0.02	0.02	0.02	0.02	0.02
19.950	0.01	0.01	0.01	0.01	0.01
20.200	0.01	0.01	0.01	0.01	0.01
20.450	0.01	0.01	0.01	0.01	0.01
20.700	0.01	0.01	0.01	0.01	0.01
20.950	0.01	0.01	0.01	0.01	0.01
21.200	0.01	0.01	0.01	0.01	0.01
21.450	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01
21.950	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Diverted Hydrograph

Label: Outlet-5

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.200	0.01	0.01	0.01	0.01	0.01
22.450	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.950	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.450	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	1.53 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	2,359.273 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	0.84	1.53	1.04	0.67
12.150	0.34	0.30	0.25	0.22	0.20
12.400	0.18	0.17	0.15	0.14	0.13
12.650	0.12	0.11	0.11	0.10	0.10
12.900	0.09	0.09	0.09	0.08	0.08
13.150	0.08	0.08	0.08	0.07	0.07
13.400	0.07	0.07	0.07	0.06	0.06
13.650	0.06	0.06	0.06	0.06	0.06
13.900	0.05	0.05	0.05	0.05	0.05
14.150	0.05	0.05	0.05	0.05	0.05
14.400	0.05	0.05	0.05	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.04	0.04	0.04	0.04
15.400	0.04	0.04	0.04	0.04	0.04
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.03	0.03
17.150	0.03	0.03	0.03	0.03	0.03
17.400	0.03	0.03	0.03	0.03	0.03
17.650	0.03	0.03	0.03	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Diverted Hydrograph

Return Event: 100 years

Label: Outlet-5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Tranch 5

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.56 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.56	0.00	0.000	1,640	0.00	0.00	0.00
521.66	0.00	65.600	1,640	0.00	0.00	0.73
521.76	0.00	131.200	1,640	0.00	0.00	1.46
521.86	0.00	196.800	1,640	0.00	0.00	2.19
521.96	0.00	262.400	1,640	0.00	0.00	2.92
522.06	0.00	328.000	1,640	0.00	0.00	3.64
522.16	0.00	393.600	1,640	0.00	0.00	4.37
522.26	0.00	459.200	1,640	0.00	0.00	5.10
522.36	0.00	524.800	1,640	0.00	0.00	5.83
522.46	0.00	590.400	1,640	0.00	0.00	6.56
522.56	0.00	656.000	1,640	0.00	0.00	7.29
522.66	0.00	721.600	1,640	0.00	0.00	8.02
522.76	0.00	787.200	1,640	0.00	0.00	8.75
522.86	0.00	852.800	1,640	0.00	0.00	9.48
522.96	0.00	918.400	1,640	0.00	0.00	10.20
523.06	0.00	984.000	1,640	0.00	0.00	10.93
523.16	0.00	1,049.600	1,640	0.00	0.00	11.66
523.26	0.00	1,115.200	1,640	0.00	0.00	12.39
523.36	0.00	1,180.800	1,640	0.00	0.00	13.12
523.46	0.00	1,246.400	1,640	0.00	0.00	13.85
523.56	0.00	1,312.000	1,640	0.00	0.00	14.58
523.64	0.00	1,365.136	1,640	0.00	0.00	15.17
523.66	0.00	1,377.600	1,640	0.00	0.00	15.31
523.76	0.34	1,443.200	1,640	0.00	0.34	16.38
523.86	1.57	1,508.800	1,640	0.00	1.57	18.33
523.96	4.01	1,574.400	1,640	0.00	4.01	21.51
524.06	7.94	1,640.000	1,640	0.00	7.94	26.16
524.16	13.55	1,705.600	1,640	0.00	13.55	32.50
524.26	21.05	1,771.200	1,640	0.00	21.05	40.73
524.36	30.61	1,836.800	1,640	0.00	30.61	51.02
524.46	42.39	1,902.400	1,640	0.00	42.39	63.52
524.56	56.53	1,968.000	1,640	0.00	56.53	78.40

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 2 years

Label: Tranch 5

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.56 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.56	0.00	0.000	1,640	0.00	0.00	0.00
521.66	0.00	65.600	1,640	0.00	0.00	0.73
521.76	0.00	131.200	1,640	0.00	0.00	1.46
521.86	0.00	196.800	1,640	0.00	0.00	2.19
521.96	0.00	262.400	1,640	0.00	0.00	2.92
522.06	0.00	328.000	1,640	0.00	0.00	3.64
522.16	0.00	393.600	1,640	0.00	0.00	4.37
522.26	0.00	459.200	1,640	0.00	0.00	5.10
522.36	0.00	524.800	1,640	0.00	0.00	5.83
522.46	0.00	590.400	1,640	0.00	0.00	6.56
522.56	0.00	656.000	1,640	0.00	0.00	7.29
522.66	0.00	721.600	1,640	0.00	0.00	8.02
522.76	0.00	787.200	1,640	0.00	0.00	8.75
522.86	0.00	852.800	1,640	0.00	0.00	9.48
522.96	0.00	918.400	1,640	0.00	0.00	10.20
523.06	0.00	984.000	1,640	0.00	0.00	10.93
523.16	0.00	1,049.600	1,640	0.00	0.00	11.66
523.26	0.00	1,115.200	1,640	0.00	0.00	12.39
523.36	0.00	1,180.800	1,640	0.00	0.00	13.12
523.46	0.00	1,246.400	1,640	0.00	0.00	13.85
523.56	0.00	1,312.000	1,640	0.00	0.00	14.58
523.64	0.00	1,365.136	1,640	0.00	0.00	15.17
523.66	0.00	1,377.600	1,640	0.00	0.00	15.31
523.76	0.34	1,443.200	1,640	0.00	0.34	16.38
523.86	1.57	1,508.800	1,640	0.00	1.57	18.33
523.96	4.01	1,574.400	1,640	0.00	4.01	21.51
524.06	7.94	1,640.000	1,640	0.00	7.94	26.16
524.16	13.55	1,705.600	1,640	0.00	13.55	32.50
524.26	21.05	1,771.200	1,640	0.00	21.05	40.73
524.36	30.61	1,836.800	1,640	0.00	30.61	51.02
524.46	42.39	1,902.400	1,640	0.00	42.39	63.52
524.56	56.53	1,968.000	1,640	0.00	56.53	78.40

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 5 years

Label: Tranch 5

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.56 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.56	0.00	0.000	1,640	0.00	0.00	0.00
521.66	0.00	65.600	1,640	0.00	0.00	0.73
521.76	0.00	131.200	1,640	0.00	0.00	1.46
521.86	0.00	196.800	1,640	0.00	0.00	2.19
521.96	0.00	262.400	1,640	0.00	0.00	2.92
522.06	0.00	328.000	1,640	0.00	0.00	3.64
522.16	0.00	393.600	1,640	0.00	0.00	4.37
522.26	0.00	459.200	1,640	0.00	0.00	5.10
522.36	0.00	524.800	1,640	0.00	0.00	5.83
522.46	0.00	590.400	1,640	0.00	0.00	6.56
522.56	0.00	656.000	1,640	0.00	0.00	7.29
522.66	0.00	721.600	1,640	0.00	0.00	8.02
522.76	0.00	787.200	1,640	0.00	0.00	8.75
522.86	0.00	852.800	1,640	0.00	0.00	9.48
522.96	0.00	918.400	1,640	0.00	0.00	10.20
523.06	0.00	984.000	1,640	0.00	0.00	10.93
523.16	0.00	1,049.600	1,640	0.00	0.00	11.66
523.26	0.00	1,115.200	1,640	0.00	0.00	12.39
523.36	0.00	1,180.800	1,640	0.00	0.00	13.12
523.46	0.00	1,246.400	1,640	0.00	0.00	13.85
523.56	0.00	1,312.000	1,640	0.00	0.00	14.58
523.64	0.00	1,365.136	1,640	0.00	0.00	15.17
523.66	0.00	1,377.600	1,640	0.00	0.00	15.31
523.76	0.34	1,443.200	1,640	0.00	0.34	16.38
523.86	1.57	1,508.800	1,640	0.00	1.57	18.33
523.96	4.01	1,574.400	1,640	0.00	4.01	21.51
524.06	7.94	1,640.000	1,640	0.00	7.94	26.16
524.16	13.55	1,705.600	1,640	0.00	13.55	32.50
524.26	21.05	1,771.200	1,640	0.00	21.05	40.73
524.36	30.61	1,836.800	1,640	0.00	30.61	51.02
524.46	42.39	1,902.400	1,640	0.00	42.39	63.52
524.56	56.53	1,968.000	1,640	0.00	56.53	78.40

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Tranch 5

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.56 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.56	0.00	0.000	1,640	0.00	0.00	0.00
521.66	0.00	65.600	1,640	0.00	0.00	0.73
521.76	0.00	131.200	1,640	0.00	0.00	1.46
521.86	0.00	196.800	1,640	0.00	0.00	2.19
521.96	0.00	262.400	1,640	0.00	0.00	2.92
522.06	0.00	328.000	1,640	0.00	0.00	3.64
522.16	0.00	393.600	1,640	0.00	0.00	4.37
522.26	0.00	459.200	1,640	0.00	0.00	5.10
522.36	0.00	524.800	1,640	0.00	0.00	5.83
522.46	0.00	590.400	1,640	0.00	0.00	6.56
522.56	0.00	656.000	1,640	0.00	0.00	7.29
522.66	0.00	721.600	1,640	0.00	0.00	8.02
522.76	0.00	787.200	1,640	0.00	0.00	8.75
522.86	0.00	852.800	1,640	0.00	0.00	9.48
522.96	0.00	918.400	1,640	0.00	0.00	10.20
523.06	0.00	984.000	1,640	0.00	0.00	10.93
523.16	0.00	1,049.600	1,640	0.00	0.00	11.66
523.26	0.00	1,115.200	1,640	0.00	0.00	12.39
523.36	0.00	1,180.800	1,640	0.00	0.00	13.12
523.46	0.00	1,246.400	1,640	0.00	0.00	13.85
523.56	0.00	1,312.000	1,640	0.00	0.00	14.58
523.64	0.00	1,365.136	1,640	0.00	0.00	15.17
523.66	0.00	1,377.600	1,640	0.00	0.00	15.31
523.76	0.34	1,443.200	1,640	0.00	0.34	16.38
523.86	1.57	1,508.800	1,640	0.00	1.57	18.33
523.96	4.01	1,574.400	1,640	0.00	4.01	21.51
524.06	7.94	1,640.000	1,640	0.00	7.94	26.16
524.16	13.55	1,705.600	1,640	0.00	13.55	32.50
524.26	21.05	1,771.200	1,640	0.00	21.05	40.73
524.36	30.61	1,836.800	1,640	0.00	30.61	51.02
524.46	42.39	1,902.400	1,640	0.00	42.39	63.52
524.56	56.53	1,968.000	1,640	0.00	56.53	78.40

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Tranch 5

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.56 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.56	0.00	0.000	1,640	0.00	0.00	0.00
521.66	0.00	65.600	1,640	0.00	0.00	0.73
521.76	0.00	131.200	1,640	0.00	0.00	1.46
521.86	0.00	196.800	1,640	0.00	0.00	2.19
521.96	0.00	262.400	1,640	0.00	0.00	2.92
522.06	0.00	328.000	1,640	0.00	0.00	3.64
522.16	0.00	393.600	1,640	0.00	0.00	4.37
522.26	0.00	459.200	1,640	0.00	0.00	5.10
522.36	0.00	524.800	1,640	0.00	0.00	5.83
522.46	0.00	590.400	1,640	0.00	0.00	6.56
522.56	0.00	656.000	1,640	0.00	0.00	7.29
522.66	0.00	721.600	1,640	0.00	0.00	8.02
522.76	0.00	787.200	1,640	0.00	0.00	8.75
522.86	0.00	852.800	1,640	0.00	0.00	9.48
522.96	0.00	918.400	1,640	0.00	0.00	10.20
523.06	0.00	984.000	1,640	0.00	0.00	10.93
523.16	0.00	1,049.600	1,640	0.00	0.00	11.66
523.26	0.00	1,115.200	1,640	0.00	0.00	12.39
523.36	0.00	1,180.800	1,640	0.00	0.00	13.12
523.46	0.00	1,246.400	1,640	0.00	0.00	13.85
523.56	0.00	1,312.000	1,640	0.00	0.00	14.58
523.64	0.00	1,365.136	1,640	0.00	0.00	15.17
523.66	0.00	1,377.600	1,640	0.00	0.00	15.31
523.76	0.34	1,443.200	1,640	0.00	0.34	16.38
523.86	1.57	1,508.800	1,640	0.00	1.57	18.33
523.96	4.01	1,574.400	1,640	0.00	4.01	21.51
524.06	7.94	1,640.000	1,640	0.00	7.94	26.16
524.16	13.55	1,705.600	1,640	0.00	13.55	32.50
524.26	21.05	1,771.200	1,640	0.00	21.05	40.73
524.36	30.61	1,836.800	1,640	0.00	30.61	51.02
524.46	42.39	1,902.400	1,640	0.00	42.39	63.52
524.56	56.53	1,968.000	1,640	0.00	56.53	78.40

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 50 years

Label: Tranch 5

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.56 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.56	0.00	0.000	1,640	0.00	0.00	0.00
521.66	0.00	65.600	1,640	0.00	0.00	0.73
521.76	0.00	131.200	1,640	0.00	0.00	1.46
521.86	0.00	196.800	1,640	0.00	0.00	2.19
521.96	0.00	262.400	1,640	0.00	0.00	2.92
522.06	0.00	328.000	1,640	0.00	0.00	3.64
522.16	0.00	393.600	1,640	0.00	0.00	4.37
522.26	0.00	459.200	1,640	0.00	0.00	5.10
522.36	0.00	524.800	1,640	0.00	0.00	5.83
522.46	0.00	590.400	1,640	0.00	0.00	6.56
522.56	0.00	656.000	1,640	0.00	0.00	7.29
522.66	0.00	721.600	1,640	0.00	0.00	8.02
522.76	0.00	787.200	1,640	0.00	0.00	8.75
522.86	0.00	852.800	1,640	0.00	0.00	9.48
522.96	0.00	918.400	1,640	0.00	0.00	10.20
523.06	0.00	984.000	1,640	0.00	0.00	10.93
523.16	0.00	1,049.600	1,640	0.00	0.00	11.66
523.26	0.00	1,115.200	1,640	0.00	0.00	12.39
523.36	0.00	1,180.800	1,640	0.00	0.00	13.12
523.46	0.00	1,246.400	1,640	0.00	0.00	13.85
523.56	0.00	1,312.000	1,640	0.00	0.00	14.58
523.64	0.00	1,365.136	1,640	0.00	0.00	15.17
523.66	0.00	1,377.600	1,640	0.00	0.00	15.31
523.76	0.34	1,443.200	1,640	0.00	0.34	16.38
523.86	1.57	1,508.800	1,640	0.00	1.57	18.33
523.96	4.01	1,574.400	1,640	0.00	4.01	21.51
524.06	7.94	1,640.000	1,640	0.00	7.94	26.16
524.16	13.55	1,705.600	1,640	0.00	13.55	32.50
524.26	21.05	1,771.200	1,640	0.00	21.05	40.73
524.36	30.61	1,836.800	1,640	0.00	30.61	51.02
524.46	42.39	1,902.400	1,640	0.00	42.39	63.52
524.56	56.53	1,968.000	1,640	0.00	56.53	78.40

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 100 years

Label: Tranch 5

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	521.56 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.56	0.00	0.000	1,640	0.00	0.00	0.00
521.66	0.00	65.600	1,640	0.00	0.00	0.73
521.76	0.00	131.200	1,640	0.00	0.00	1.46
521.86	0.00	196.800	1,640	0.00	0.00	2.19
521.96	0.00	262.400	1,640	0.00	0.00	2.92
522.06	0.00	328.000	1,640	0.00	0.00	3.64
522.16	0.00	393.600	1,640	0.00	0.00	4.37
522.26	0.00	459.200	1,640	0.00	0.00	5.10
522.36	0.00	524.800	1,640	0.00	0.00	5.83
522.46	0.00	590.400	1,640	0.00	0.00	6.56
522.56	0.00	656.000	1,640	0.00	0.00	7.29
522.66	0.00	721.600	1,640	0.00	0.00	8.02
522.76	0.00	787.200	1,640	0.00	0.00	8.75
522.86	0.00	852.800	1,640	0.00	0.00	9.48
522.96	0.00	918.400	1,640	0.00	0.00	10.20
523.06	0.00	984.000	1,640	0.00	0.00	10.93
523.16	0.00	1,049.600	1,640	0.00	0.00	11.66
523.26	0.00	1,115.200	1,640	0.00	0.00	12.39
523.36	0.00	1,180.800	1,640	0.00	0.00	13.12
523.46	0.00	1,246.400	1,640	0.00	0.00	13.85
523.56	0.00	1,312.000	1,640	0.00	0.00	14.58
523.64	0.00	1,365.136	1,640	0.00	0.00	15.17
523.66	0.00	1,377.600	1,640	0.00	0.00	15.31
523.76	0.34	1,443.200	1,640	0.00	0.34	16.38
523.86	1.57	1,508.800	1,640	0.00	1.57	18.33
523.96	4.01	1,574.400	1,640	0.00	4.01	21.51
524.06	7.94	1,640.000	1,640	0.00	7.94	26.16
524.16	13.55	1,705.600	1,640	0.00	13.55	32.50
524.26	21.05	1,771.200	1,640	0.00	21.05	40.73
524.36	30.61	1,836.800	1,640	0.00	30.61	51.02
524.46	42.39	1,902.400	1,640	0.00	42.39	63.52
524.56	56.53	1,968.000	1,640	0.00	56.53	78.40

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.56 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.31 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.00 ft ³ /s	Time to Peak (Flow, Outlet)	0.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	522.71 ft		
Volume (Peak)	755.225 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	755.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	0.000 ft ³		
Volume (Retained)	755.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.56 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.42 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.00 ft ³ /s	Time to Peak (Flow, Outlet)	0.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.12 ft		
Volume (Peak)	1,025.953 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	1,026.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	0.000 ft ³		
Volume (Retained)	1,026.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.56 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.60 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.01 ft ³ /s	Time to Peak (Flow, Outlet)	21.750 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.66 ft		
Volume (Peak)	1,378.362 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	1,448.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	70.000 ft ³		
Volume (Retained)	1,377.000 ft ³		
Volume (Unrouted)	-1.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.56 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.75 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.02 ft ³ /s	Time to Peak (Flow, Outlet)	14.450 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.67 ft		
Volume (Peak)	1,381.691 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	1,833.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	455.000 ft ³		
Volume (Retained)	1,377.000 ft ³		
Volume (Unrouted)	-1.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.56 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.99 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.15 ft ³ /s	Time to Peak (Flow, Outlet)	12.250 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.70 ft		
Volume (Peak)	1,405.420 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	2,449.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	1,070.000 ft ³		
Volume (Retained)	1,378.000 ft ³		
Volume (Unrouted)	-1.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.56 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.21 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.94 ft ³ /s	Time to Peak (Flow, Outlet)	12.050 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.81 ft		
Volume (Peak)	1,475.324 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	3,034.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	1,655.000 ft ³		
Volume (Retained)	1,378.000 ft ³		
Volume (Unrouted)	-2.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.56 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.48 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	1.53 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.86 ft		
Volume (Peak)	1,506.557 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	3,739.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	2,359.000 ft ³		
Volume (Retained)	1,378.000 ft ³		
Volume (Unrouted)	-2.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 1 years

Label: Tranch 5 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.00 ft ³ /s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Tranch 5 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.00 ft ³ /s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 5 years

Label: Tranch 5 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	21.750 hours
Hydrograph Volume	69.418 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.950	0.00	0.00	0.00	0.00	0.00
21.200	0.00	0.00	0.00	0.00	0.00
21.450	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01
21.950	0.01	0.01	0.01	0.01	0.01
22.200	0.01	0.01	0.01	0.01	0.01
22.450	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.950	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.450	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Tranch 5 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	0.02 ft ³ /s
Time to Peak	14.450 hours
Hydrograph Volume	454.783 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.100	0.00	0.00	0.00	0.01	0.02
14.350	0.02	0.02	0.02	0.02	0.02
14.600	0.02	0.02	0.02	0.02	0.02
14.850	0.02	0.02	0.02	0.02	0.02
15.100	0.02	0.02	0.02	0.02	0.02
15.350	0.02	0.02	0.02	0.02	0.02
15.600	0.02	0.02	0.02	0.02	0.02
15.850	0.02	0.02	0.02	0.02	0.02
16.100	0.02	0.02	0.02	0.02	0.02
16.350	0.02	0.02	0.02	0.02	0.02
16.600	0.02	0.02	0.02	0.02	0.02
16.850	0.02	0.02	0.02	0.02	0.01
17.100	0.01	0.01	0.01	0.01	0.01
17.350	0.01	0.01	0.01	0.01	0.01
17.600	0.01	0.01	0.01	0.01	0.01
17.850	0.01	0.01	0.01	0.01	0.01
18.100	0.01	0.01	0.01	0.01	0.01
18.350	0.01	0.01	0.01	0.01	0.01
18.600	0.01	0.01	0.01	0.01	0.01
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Tranch 5 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	0.15 ft ³ /s
Time to Peak	12.250 hours
Hydrograph Volume	1,070.323 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.100	0.00	0.03	0.13	0.15	0.14
12.350	0.13	0.12	0.11	0.10	0.09
12.600	0.09	0.08	0.08	0.07	0.07
12.850	0.07	0.07	0.06	0.06	0.06
13.100	0.06	0.05	0.05	0.05	0.05
13.350	0.05	0.05	0.05	0.05	0.04
13.600	0.04	0.04	0.04	0.04	0.04
13.850	0.04	0.04	0.04	0.04	0.04
14.100	0.03	0.03	0.03	0.03	0.03
14.350	0.03	0.03	0.03	0.03	0.03
14.600	0.03	0.03	0.03	0.03	0.03
14.850	0.03	0.03	0.03	0.03	0.03
15.100	0.03	0.03	0.03	0.03	0.03
15.350	0.03	0.03	0.03	0.03	0.02
15.600	0.02	0.02	0.02	0.02	0.02
15.850	0.02	0.02	0.02	0.02	0.02
16.100	0.02	0.02	0.02	0.02	0.02
16.350	0.02	0.02	0.02	0.02	0.02
16.600	0.02	0.02	0.02	0.02	0.02
16.850	0.02	0.02	0.02	0.02	0.02
17.100	0.02	0.02	0.02	0.02	0.02
17.350	0.02	0.02	0.02	0.02	0.02
17.600	0.02	0.02	0.02	0.02	0.02
17.850	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.350	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.02
18.850	0.02	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Tranch 5 (OUT)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Tranch 5 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	0.94 ft ³ /s
Time to Peak	12.050 hours
Hydrograph Volume	1,654.724 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.950	0.00	0.13	0.94	0.53	0.31
12.200	0.26	0.22	0.19	0.17	0.15
12.450	0.14	0.13	0.11	0.10	0.10
12.700	0.09	0.09	0.08	0.08	0.08
12.950	0.08	0.07	0.07	0.07	0.07
13.200	0.06	0.06	0.06	0.06	0.06
13.450	0.06	0.06	0.05	0.05	0.05
13.700	0.05	0.05	0.05	0.05	0.05
13.950	0.04	0.04	0.04	0.04	0.04
14.200	0.04	0.04	0.04	0.04	0.04
14.450	0.04	0.04	0.04	0.04	0.04
14.700	0.04	0.04	0.04	0.03	0.03
14.950	0.03	0.03	0.03	0.03	0.03
15.200	0.03	0.03	0.03	0.03	0.03
15.450	0.03	0.03	0.03	0.03	0.03
15.700	0.03	0.03	0.03	0.03	0.03
15.950	0.03	0.03	0.03	0.03	0.03
16.200	0.03	0.03	0.02	0.02	0.02
16.450	0.02	0.02	0.02	0.02	0.02
16.700	0.02	0.02	0.02	0.02	0.02
16.950	0.02	0.02	0.02	0.02	0.02
17.200	0.02	0.02	0.02	0.02	0.02
17.450	0.02	0.02	0.02	0.02	0.02
17.700	0.02	0.02	0.02	0.02	0.02
17.950	0.02	0.02	0.02	0.02	0.02
18.200	0.02	0.02	0.02	0.02	0.02
18.450	0.02	0.02	0.02	0.02	0.02
18.700	0.02	0.02	0.02	0.02	0.02
18.950	0.02	0.02	0.02	0.02	0.02
19.200	0.02	0.02	0.02	0.02	0.02
19.450	0.02	0.02	0.02	0.02	0.02
19.700	0.02	0.02	0.02	0.02	0.02
19.950	0.01	0.01	0.01	0.01	0.01
20.200	0.01	0.01	0.01	0.01	0.01
20.450	0.01	0.01	0.01	0.01	0.01
20.700	0.01	0.01	0.01	0.01	0.01
20.950	0.01	0.01	0.01	0.01	0.01
21.200	0.01	0.01	0.01	0.01	0.01
21.450	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01
21.950	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Tranch 5 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.200	0.01	0.01	0.01	0.01	0.01
22.450	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.950	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.450	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Tranch 5 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	1.53 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	2,359.273 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	0.84	1.53	1.04	0.67
12.150	0.34	0.30	0.25	0.22	0.20
12.400	0.18	0.17	0.15	0.14	0.13
12.650	0.12	0.11	0.11	0.10	0.10
12.900	0.09	0.09	0.09	0.08	0.08
13.150	0.08	0.08	0.08	0.07	0.07
13.400	0.07	0.07	0.07	0.06	0.06
13.650	0.06	0.06	0.06	0.06	0.06
13.900	0.05	0.05	0.05	0.05	0.05
14.150	0.05	0.05	0.05	0.05	0.05
14.400	0.05	0.05	0.05	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.04	0.04	0.04	0.04
15.400	0.04	0.04	0.04	0.04	0.04
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.03	0.03
17.150	0.03	0.03	0.03	0.03	0.03
17.400	0.03	0.03	0.03	0.03	0.03
17.650	0.03	0.03	0.03	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Tranch 5 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Summary for Hydrograph Addition at 'Tranch 5'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-5

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-5	755.223	11.950	0.31
Flow (In)	Tranch 5	755.223	11.950	0.31

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Summary for Hydrograph Addition at 'Tranch 5'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-5

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-5	1,025.954	11.950	0.42
Flow (In)	Tranch 5	1,025.954	11.950	0.42

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Summary for Hydrograph Addition at 'Tranch 5'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-5

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-5	1,447.941	11.950	0.60
Flow (In)	Tranch 5	1,447.941	11.950	0.60

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Summary for Hydrograph Addition at 'Tranch 5'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-5

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-5	1,833.362	11.950	0.75
Flow (In)	Tranch 5	1,833.362	11.950	0.75

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Summary for Hydrograph Addition at 'Tranch 5'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-5

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-5	2,449.261	11.950	0.99
Flow (In)	Tranch 5	2,449.261	11.950	0.99

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Summary for Hydrograph Addition at 'Tranch 5'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-5

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-5	3,034.052	11.950	1.21
Flow (In)	Tranch 5	3,034.052	11.950	1.21

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Tranch 5 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Summary for Hydrograph Addition at 'Tranch 5'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-5

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-5	3,739.062	11.950	1.48
Flow (In)	Tranch 5	3,739.062	11.950	1.48

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 1 years

Label: Trench 1

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.00	0.00	0.000	1,456	0.00	0.00	0.00
521.10	0.00	58.240	1,456	0.00	0.00	0.65
521.20	0.00	116.480	1,456	0.00	0.00	1.29
521.30	0.00	174.720	1,456	0.00	0.00	1.94
521.40	0.00	232.960	1,456	0.00	0.00	2.59
521.50	0.00	291.200	1,456	0.00	0.00	3.24
521.60	0.00	349.440	1,456	0.00	0.00	3.88
521.70	0.00	407.680	1,456	0.00	0.00	4.53
521.80	0.00	465.920	1,456	0.00	0.00	5.18
521.90	0.00	524.160	1,456	0.00	0.00	5.82
522.00	0.00	582.400	1,456	0.00	0.00	6.47
522.10	0.00	640.640	1,456	0.00	0.00	7.12
522.20	0.00	698.880	1,456	0.00	0.00	7.77
522.30	0.00	757.120	1,456	0.00	0.00	8.41
522.40	0.00	815.360	1,456	0.00	0.00	9.06
522.50	0.00	873.600	1,456	0.00	0.00	9.71
522.60	0.00	931.840	1,456	0.00	0.00	10.35
522.70	0.00	990.080	1,456	0.00	0.00	11.00
522.80	0.00	1,048.320	1,456	0.00	0.00	11.65
522.90	0.00	1,106.560	1,456	0.00	0.00	12.30
523.00	0.00	1,164.800	1,456	0.00	0.00	12.94
523.10	0.00	1,223.040	1,456	0.00	0.00	13.59
523.20	0.00	1,281.280	1,456	0.00	0.00	14.24
523.30	0.00	1,339.520	1,456	0.00	0.00	14.88
523.40	0.00	1,397.760	1,456	0.00	0.00	15.53
523.50	0.00	1,456.000	1,456	0.00	0.00	16.18
523.60	0.00	1,514.240	1,456	0.00	0.00	16.82
523.70	0.00	1,572.480	1,456	0.00	0.00	17.47
523.79	0.00	1,625.478	1,456	0.00	0.00	18.06
523.80	0.00	1,630.720	1,456	0.00	0.00	18.12
523.90	0.52	1,688.960	1,456	0.00	0.52	19.28
524.00	2.63	1,747.200	1,456	0.00	2.63	22.05

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 2 years

Label: Trench 1

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.00	0.00	0.000	1,456	0.00	0.00	0.00
521.10	0.00	58.240	1,456	0.00	0.00	0.65
521.20	0.00	116.480	1,456	0.00	0.00	1.29
521.30	0.00	174.720	1,456	0.00	0.00	1.94
521.40	0.00	232.960	1,456	0.00	0.00	2.59
521.50	0.00	291.200	1,456	0.00	0.00	3.24
521.60	0.00	349.440	1,456	0.00	0.00	3.88
521.70	0.00	407.680	1,456	0.00	0.00	4.53
521.80	0.00	465.920	1,456	0.00	0.00	5.18
521.90	0.00	524.160	1,456	0.00	0.00	5.82
522.00	0.00	582.400	1,456	0.00	0.00	6.47
522.10	0.00	640.640	1,456	0.00	0.00	7.12
522.20	0.00	698.880	1,456	0.00	0.00	7.77
522.30	0.00	757.120	1,456	0.00	0.00	8.41
522.40	0.00	815.360	1,456	0.00	0.00	9.06
522.50	0.00	873.600	1,456	0.00	0.00	9.71
522.60	0.00	931.840	1,456	0.00	0.00	10.35
522.70	0.00	990.080	1,456	0.00	0.00	11.00
522.80	0.00	1,048.320	1,456	0.00	0.00	11.65
522.90	0.00	1,106.560	1,456	0.00	0.00	12.30
523.00	0.00	1,164.800	1,456	0.00	0.00	12.94
523.10	0.00	1,223.040	1,456	0.00	0.00	13.59
523.20	0.00	1,281.280	1,456	0.00	0.00	14.24
523.30	0.00	1,339.520	1,456	0.00	0.00	14.88
523.40	0.00	1,397.760	1,456	0.00	0.00	15.53
523.50	0.00	1,456.000	1,456	0.00	0.00	16.18
523.60	0.00	1,514.240	1,456	0.00	0.00	16.82
523.70	0.00	1,572.480	1,456	0.00	0.00	17.47
523.79	0.00	1,625.478	1,456	0.00	0.00	18.06
523.80	0.00	1,630.720	1,456	0.00	0.00	18.12
523.90	0.52	1,688.960	1,456	0.00	0.52	19.28
524.00	2.63	1,747.200	1,456	0.00	2.63	22.05

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 5 years

Label: Trench 1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.00	0.00	0.000	1,456	0.00	0.00	0.00
520.10	0.00	58.240	1,456	0.00	0.00	0.65
520.20	0.00	116.480	1,456	0.00	0.00	1.29
520.30	0.00	174.720	1,456	0.00	0.00	1.94
520.40	0.00	232.960	1,456	0.00	0.00	2.59
520.50	0.00	291.200	1,456	0.00	0.00	3.24
520.60	0.00	349.440	1,456	0.00	0.00	3.88
520.70	0.00	407.680	1,456	0.00	0.00	4.53
520.80	0.00	465.920	1,456	0.00	0.00	5.18
520.90	0.00	524.160	1,456	0.00	0.00	5.82
521.00	0.00	582.400	1,456	0.00	0.00	6.47
521.10	0.00	640.640	1,456	0.00	0.00	7.12
521.20	0.00	698.880	1,456	0.00	0.00	7.77
521.30	0.00	757.120	1,456	0.00	0.00	8.41
521.40	0.00	815.360	1,456	0.00	0.00	9.06
521.50	0.00	873.600	1,456	0.00	0.00	9.71
521.60	0.00	931.840	1,456	0.00	0.00	10.35
521.70	0.00	990.080	1,456	0.00	0.00	11.00
521.80	0.00	1,048.320	1,456	0.00	0.00	11.65
521.90	0.00	1,106.560	1,456	0.00	0.00	12.30
522.00	0.00	1,164.800	1,456	0.00	0.00	12.94
522.10	0.00	1,223.040	1,456	0.00	0.00	13.59
522.20	0.00	1,281.280	1,456	0.00	0.00	14.24
522.30	0.00	1,339.520	1,456	0.00	0.00	14.88
522.40	0.00	1,397.760	1,456	0.00	0.00	15.53
522.50	0.00	1,456.000	1,456	0.00	0.00	16.18
522.60	0.00	1,514.240	1,456	0.00	0.00	16.82
522.70	0.00	1,572.480	1,456	0.00	0.00	17.47
522.80	0.00	1,630.720	1,456	0.00	0.00	18.12
522.90	0.00	1,688.960	1,456	0.00	0.00	18.77
523.00	0.00	1,747.200	1,456	0.00	0.00	19.41
523.10	0.00	1,805.440	1,456	0.00	0.00	20.06
523.20	0.00	1,863.680	1,456	0.00	0.00	20.71

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 5 years

Label: Trench 1

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
523.30	0.00	1,921.920	1,456	0.00	0.00	21.35
523.40	0.00	1,980.160	1,456	0.00	0.00	22.00
523.50	0.00	2,038.400	1,456	0.00	0.00	22.65
523.60	0.00	2,096.640	1,456	0.00	0.00	23.30
523.70	0.00	2,154.880	1,456	0.00	0.00	23.94
523.79	0.00	2,207.878	1,456	0.00	0.00	24.53
523.80	0.00	2,213.120	1,456	0.00	0.00	24.59
523.90	0.52	2,271.360	1,456	0.00	0.52	25.75
524.00	2.63	2,329.600	1,456	0.00	2.63	28.52

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.00	0.00	0.000	1,456	0.00	0.00	0.00
520.10	0.00	58.240	1,456	0.00	0.00	0.65
520.20	0.00	116.480	1,456	0.00	0.00	1.29
520.30	0.00	174.720	1,456	0.00	0.00	1.94
520.40	0.00	232.960	1,456	0.00	0.00	2.59
520.50	0.00	291.200	1,456	0.00	0.00	3.24
520.60	0.00	349.440	1,456	0.00	0.00	3.88
520.70	0.00	407.680	1,456	0.00	0.00	4.53
520.80	0.00	465.920	1,456	0.00	0.00	5.18
520.90	0.00	524.160	1,456	0.00	0.00	5.82
521.00	0.00	582.400	1,456	0.00	0.00	6.47
521.10	0.00	640.640	1,456	0.00	0.00	7.12
521.20	0.00	698.880	1,456	0.00	0.00	7.77
521.30	0.00	757.120	1,456	0.00	0.00	8.41
521.40	0.00	815.360	1,456	0.00	0.00	9.06
521.50	0.00	873.600	1,456	0.00	0.00	9.71
521.60	0.00	931.840	1,456	0.00	0.00	10.35
521.70	0.00	990.080	1,456	0.00	0.00	11.00
521.80	0.00	1,048.320	1,456	0.00	0.00	11.65
521.90	0.00	1,106.560	1,456	0.00	0.00	12.30
522.00	0.00	1,164.800	1,456	0.00	0.00	12.94
522.10	0.00	1,223.040	1,456	0.00	0.00	13.59
522.20	0.00	1,281.280	1,456	0.00	0.00	14.24
522.30	0.00	1,339.520	1,456	0.00	0.00	14.88
522.40	0.00	1,397.760	1,456	0.00	0.00	15.53
522.50	0.00	1,456.000	1,456	0.00	0.00	16.18
522.60	0.00	1,514.240	1,456	0.00	0.00	16.82
522.70	0.00	1,572.480	1,456	0.00	0.00	17.47
522.80	0.00	1,630.720	1,456	0.00	0.00	18.12
522.90	0.00	1,688.960	1,456	0.00	0.00	18.77
523.00	0.00	1,747.200	1,456	0.00	0.00	19.41
523.10	0.00	1,805.440	1,456	0.00	0.00	20.06
523.20	0.00	1,863.680	1,456	0.00	0.00	20.71

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Trench 1

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
523.30	0.00	1,921.920	1,456	0.00	0.00	21.35
523.40	0.00	1,980.160	1,456	0.00	0.00	22.00
523.50	0.00	2,038.400	1,456	0.00	0.00	22.65
523.60	0.00	2,096.640	1,456	0.00	0.00	23.30
523.70	0.00	2,154.880	1,456	0.00	0.00	23.94
523.79	0.00	2,207.878	1,456	0.00	0.00	24.53
523.80	0.00	2,213.120	1,456	0.00	0.00	24.59
523.90	0.52	2,271.360	1,456	0.00	0.52	25.75
524.00	2.63	2,329.600	1,456	0.00	2.63	28.52

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.00	0.00	0.000	1,456	0.00	0.00	0.00
520.10	0.00	58.240	1,456	0.00	0.00	0.65
520.20	0.00	116.480	1,456	0.00	0.00	1.29
520.30	0.00	174.720	1,456	0.00	0.00	1.94
520.40	0.00	232.960	1,456	0.00	0.00	2.59
520.50	0.00	291.200	1,456	0.00	0.00	3.24
520.60	0.00	349.440	1,456	0.00	0.00	3.88
520.70	0.00	407.680	1,456	0.00	0.00	4.53
520.80	0.00	465.920	1,456	0.00	0.00	5.18
520.90	0.00	524.160	1,456	0.00	0.00	5.82
521.00	0.00	582.400	1,456	0.00	0.00	6.47
521.10	0.00	640.640	1,456	0.00	0.00	7.12
521.20	0.00	698.880	1,456	0.00	0.00	7.77
521.30	0.00	757.120	1,456	0.00	0.00	8.41
521.40	0.00	815.360	1,456	0.00	0.00	9.06
521.50	0.00	873.600	1,456	0.00	0.00	9.71
521.60	0.00	931.840	1,456	0.00	0.00	10.35
521.70	0.00	990.080	1,456	0.00	0.00	11.00
521.80	0.00	1,048.320	1,456	0.00	0.00	11.65
521.90	0.00	1,106.560	1,456	0.00	0.00	12.30
522.00	0.00	1,164.800	1,456	0.00	0.00	12.94
522.10	0.00	1,223.040	1,456	0.00	0.00	13.59
522.20	0.00	1,281.280	1,456	0.00	0.00	14.24
522.30	0.00	1,339.520	1,456	0.00	0.00	14.88
522.40	0.00	1,397.760	1,456	0.00	0.00	15.53
522.50	0.00	1,456.000	1,456	0.00	0.00	16.18
522.60	0.00	1,514.240	1,456	0.00	0.00	16.82
522.70	0.00	1,572.480	1,456	0.00	0.00	17.47
522.80	0.00	1,630.720	1,456	0.00	0.00	18.12
522.90	0.00	1,688.960	1,456	0.00	0.00	18.77
523.00	0.00	1,747.200	1,456	0.00	0.00	19.41
523.10	0.00	1,805.440	1,456	0.00	0.00	20.06
523.20	0.00	1,863.680	1,456	0.00	0.00	20.71

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Trench 1

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
523.30	0.00	1,921.920	1,456	0.00	0.00	21.35
523.40	0.00	1,980.160	1,456	0.00	0.00	22.00
523.50	0.00	2,038.400	1,456	0.00	0.00	22.65
523.60	0.00	2,096.640	1,456	0.00	0.00	23.30
523.70	0.00	2,154.880	1,456	0.00	0.00	23.94
523.79	0.00	2,207.878	1,456	0.00	0.00	24.53
523.80	0.00	2,213.120	1,456	0.00	0.00	24.59
523.90	0.52	2,271.360	1,456	0.00	0.52	25.75
524.00	2.63	2,329.600	1,456	0.00	2.63	28.52

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 50 years

Label: Trench 1

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.00	0.00	0.000	1,456	0.00	0.00	0.00
521.10	0.00	58.240	1,456	0.00	0.00	0.65
521.20	0.00	116.480	1,456	0.00	0.00	1.29
521.30	0.00	174.720	1,456	0.00	0.00	1.94
521.40	0.00	232.960	1,456	0.00	0.00	2.59
521.50	0.00	291.200	1,456	0.00	0.00	3.24
521.60	0.00	349.440	1,456	0.00	0.00	3.88
521.70	0.00	407.680	1,456	0.00	0.00	4.53
521.80	0.00	465.920	1,456	0.00	0.00	5.18
521.90	0.00	524.160	1,456	0.00	0.00	5.82
522.00	0.00	582.400	1,456	0.00	0.00	6.47
522.10	0.00	640.640	1,456	0.00	0.00	7.12
522.20	0.00	698.880	1,456	0.00	0.00	7.77
522.30	0.00	757.120	1,456	0.00	0.00	8.41
522.40	0.00	815.360	1,456	0.00	0.00	9.06
522.50	0.00	873.600	1,456	0.00	0.00	9.71
522.60	0.00	931.840	1,456	0.00	0.00	10.35
522.70	0.00	990.080	1,456	0.00	0.00	11.00
522.80	0.00	1,048.320	1,456	0.00	0.00	11.65
522.90	0.00	1,106.560	1,456	0.00	0.00	12.30
523.00	0.00	1,164.800	1,456	0.00	0.00	12.94
523.10	0.00	1,223.040	1,456	0.00	0.00	13.59
523.20	0.00	1,281.280	1,456	0.00	0.00	14.24
523.30	0.00	1,339.520	1,456	0.00	0.00	14.88
523.40	0.00	1,397.760	1,456	0.00	0.00	15.53
523.50	0.00	1,456.000	1,456	0.00	0.00	16.18
523.60	0.00	1,514.240	1,456	0.00	0.00	16.82
523.70	0.00	1,572.480	1,456	0.00	0.00	17.47
523.79	0.00	1,625.478	1,456	0.00	0.00	18.06
523.80	0.00	1,630.720	1,456	0.00	0.00	18.12
523.90	0.52	1,688.960	1,456	0.00	0.52	19.28
524.00	2.63	1,747.200	1,456	0.00	2.63	22.05

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 100 years

Label: Trench 1

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.00	0.00	0.000	1,456	0.00	0.00	0.00
521.10	0.00	58.240	1,456	0.00	0.00	0.65
521.20	0.00	116.480	1,456	0.00	0.00	1.29
521.30	0.00	174.720	1,456	0.00	0.00	1.94
521.40	0.00	232.960	1,456	0.00	0.00	2.59
521.50	0.00	291.200	1,456	0.00	0.00	3.24
521.60	0.00	349.440	1,456	0.00	0.00	3.88
521.70	0.00	407.680	1,456	0.00	0.00	4.53
521.80	0.00	465.920	1,456	0.00	0.00	5.18
521.90	0.00	524.160	1,456	0.00	0.00	5.82
522.00	0.00	582.400	1,456	0.00	0.00	6.47
522.10	0.00	640.640	1,456	0.00	0.00	7.12
522.20	0.00	698.880	1,456	0.00	0.00	7.77
522.30	0.00	757.120	1,456	0.00	0.00	8.41
522.40	0.00	815.360	1,456	0.00	0.00	9.06
522.50	0.00	873.600	1,456	0.00	0.00	9.71
522.60	0.00	931.840	1,456	0.00	0.00	10.35
522.70	0.00	990.080	1,456	0.00	0.00	11.00
522.80	0.00	1,048.320	1,456	0.00	0.00	11.65
522.90	0.00	1,106.560	1,456	0.00	0.00	12.30
523.00	0.00	1,164.800	1,456	0.00	0.00	12.94
523.10	0.00	1,223.040	1,456	0.00	0.00	13.59
523.20	0.00	1,281.280	1,456	0.00	0.00	14.24
523.30	0.00	1,339.520	1,456	0.00	0.00	14.88
523.40	0.00	1,397.760	1,456	0.00	0.00	15.53
523.50	0.00	1,456.000	1,456	0.00	0.00	16.18
523.60	0.00	1,514.240	1,456	0.00	0.00	16.82
523.70	0.00	1,572.480	1,456	0.00	0.00	17.47
523.79	0.00	1,625.478	1,456	0.00	0.00	18.06
523.80	0.00	1,630.720	1,456	0.00	0.00	18.12
523.90	0.52	1,688.960	1,456	0.00	0.52	19.28
524.00	2.63	1,747.200	1,456	0.00	2.63	22.05

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 1 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		

Initial Conditions	
Elevation (Water Surface, Initial)	521.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.49 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.00 ft ³ /s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	523.04 ft
Volume (Peak)	1,186.277 ft ³

Mass Balance (ft ³)	
Volume (Initial)	0.000 ft ³
Volume (Total Inflow)	1,186.000 ft ³
Volume (Total Infiltration)	0.000 ft ³
Volume (Total Outlet Outflow)	0.000 ft ³
Volume (Retained)	1,186.000 ft ³
Volume (Unrouted)	0.000 ft ³
Error (Mass Balance)	0.0 %

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 1 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.00 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.68 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.01 ft ³ /s	Time to Peak (Flow, Outlet)	24.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.80 ft		
Volume (Peak)	1,631.332 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	1,632.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	2.000 ft ³		
Volume (Retained)	1,631.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 1 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.00 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.96 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.01 ft ³ /s	Time to Peak (Flow, Outlet)	21.350 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.80 ft		
Volume (Peak)	2,214.414 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	2,333.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	120.000 ft ³		
Volume (Retained)	2,213.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 1 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.00 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.22 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.04 ft ³ /s	Time to Peak (Flow, Outlet)	14.300 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.81 ft		
Volume (Peak)	2,217.728 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	2,978.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	765.000 ft ³		
Volume (Retained)	2,213.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 1 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.00 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.63 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.29 ft ³ /s	Time to Peak (Flow, Outlet)	12.200 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.86 ft		
Volume (Peak)	2,245.789 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	4,013.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	1,800.000 ft ³		
Volume (Retained)	2,213.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 1 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.00 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.01 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	2.16 ft ³ /s	Time to Peak (Flow, Outlet)	11.950 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.98 ft		
Volume (Peak)	1,734.090 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	5,000.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	3,369.000 ft ³		
Volume (Retained)	1,631.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 1 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Infiltration

Infiltration Method (Computed)	No Infiltration
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Initial Conditions

Elevation (Water Surface, Initial)	521.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	(N/A) ft ³ /s	Time to Peak (Flow, In)	(N/A) hours
Flow (Peak Outlet)	(N/A) ft ³ /s	Time to Peak (Flow, Outlet)	(N/A) hours

Elevation (Water Surface, Peak)	(N/A) ft
Volume (Peak)	(N/A) ft ³

Mass Balance (ft³)

Volume (Initial)	0.000 ft ³
Volume (Total Inflow)	(N/A) ft ³
Volume (Total Infiltration)	(N/A) ft ³
Volume (Total Outlet Outflow)	(N/A) ft ³
Volume (Retained)	(N/A) ft ³
Volume (Unrouted)	(N/A) ft ³
Error (Mass Balance)	(N/A) %

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 1 years

Label: Trench 1 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.00 ft ³ /s
Time to Peak	8.000 hours
Hydrograph Volume	0.000 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 1 (OUT)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Peak Discharge	0.01 ft ³ /s
Time to Peak	24.000 hours
Hydrograph Volume	0.667 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.950	0.00	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 5 years

Label: Trench 1 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	21.350 hours
Hydrograph Volume	119.081 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.150	0.00	0.00	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Trench 1 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	0.04 ft ³ /s
Time to Peak	14.300 hours
Hydrograph Volume	763.415 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.150	0.00	0.01	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.04	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Trench 1 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	0.29 ft ³ /s
Time to Peak	12.200 hours
Hydrograph Volume	1,798.186 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.100	0.00	0.06	0.29	0.27	0.24
12.350	0.22	0.20	0.18	0.17	0.15
12.600	0.14	0.13	0.12	0.12	0.12
12.850	0.11	0.11	0.10	0.10	0.10
13.100	0.09	0.09	0.09	0.09	0.08
13.350	0.08	0.08	0.08	0.08	0.07
13.600	0.07	0.07	0.07	0.07	0.07
13.850	0.06	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.05	0.05
14.350	0.05	0.05	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.850	0.05	0.05	0.05	0.05	0.05
15.100	0.05	0.05	0.05	0.04	0.04
15.350	0.04	0.04	0.04	0.04	0.04
15.600	0.04	0.04	0.04	0.04	0.04
15.850	0.04	0.04	0.04	0.04	0.04
16.100	0.04	0.04	0.04	0.03	0.03
16.350	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.03	0.03	0.03
17.850	0.03	0.03	0.03	0.03	0.03
18.100	0.03	0.03	0.03	0.03	0.03
18.350	0.03	0.03	0.03	0.03	0.03
18.600	0.03	0.03	0.03	0.03	0.03
18.850	0.03	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 1 (OUT)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.350	0.02	0.02	0.02	0.02	0.02
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.02	0.02	0.02	0.02	0.02
23.600	0.02	0.02	0.02	0.02	0.02
23.850	0.02	0.02	0.02	0.02	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Trench 1 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	2.16 ft ³ /s
Time to Peak	11.950 hours
Hydrograph Volume	3,367.115 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	2.16	1.76	1.48	0.81
12.150	0.48	0.40	0.33	0.29	0.26
12.400	0.24	0.22	0.20	0.18	0.17
12.650	0.16	0.15	0.14	0.14	0.14
12.900	0.13	0.13	0.12	0.12	0.11
13.150	0.11	0.11	0.10	0.10	0.10
13.400	0.10	0.09	0.09	0.09	0.09
13.650	0.08	0.08	0.08	0.08	0.08
13.900	0.08	0.07	0.07	0.07	0.07
14.150	0.07	0.07	0.07	0.07	0.06
14.400	0.06	0.06	0.06	0.06	0.06
14.650	0.06	0.06	0.06	0.06	0.06
14.900	0.06	0.06	0.06	0.06	0.06
15.150	0.05	0.05	0.05	0.05	0.05
15.400	0.05	0.05	0.05	0.05	0.05
15.650	0.05	0.05	0.05	0.05	0.05
15.900	0.05	0.04	0.04	0.04	0.04
16.150	0.04	0.04	0.04	0.04	0.04
16.400	0.04	0.04	0.04	0.04	0.04
16.650	0.04	0.04	0.04	0.04	0.04
16.900	0.04	0.04	0.04	0.04	0.04
17.150	0.04	0.04	0.04	0.04	0.04
17.400	0.04	0.04	0.04	0.04	0.04
17.650	0.04	0.04	0.04	0.04	0.03
17.900	0.03	0.03	0.03	0.03	0.03
18.150	0.03	0.03	0.03	0.03	0.03
18.400	0.03	0.03	0.03	0.03	0.03
18.650	0.03	0.03	0.03	0.03	0.03
18.900	0.03	0.03	0.03	0.03	0.03
19.150	0.03	0.03	0.03	0.03	0.03
19.400	0.03	0.03	0.03	0.03	0.03
19.650	0.03	0.03	0.03	0.03	0.03
19.900	0.03	0.03	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Trench 1 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Trench 1 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	2.63 ft ³ /s
Time to Peak	11.900 hours
Hydrograph Volume	4,995.738 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.27	2.63	2.63	2.63
12.050	2.63	2.51	0.06	0.43	0.39
12.300	0.35	0.32	0.29	0.27	0.24
12.550	0.22	0.20	0.19	0.18	0.17
12.800	0.17	0.16	0.16	0.15	0.15
13.050	0.14	0.14	0.13	0.13	0.13
13.300	0.12	0.12	0.12	0.11	0.11
13.550	0.11	0.10	0.10	0.10	0.10
13.800	0.10	0.09	0.09	0.09	0.09
14.050	0.08	0.08	0.08	0.08	0.08
14.300	0.08	0.08	0.08	0.08	0.08
14.550	0.08	0.07	0.07	0.07	0.07
14.800	0.07	0.07	0.07	0.07	0.07
15.050	0.07	0.07	0.07	0.07	0.06
15.300	0.06	0.06	0.06	0.06	0.06
15.550	0.06	0.06	0.06	0.06	0.06
15.800	0.06	0.06	0.05	0.05	0.05
16.050	0.05	0.05	0.05	0.05	0.05
16.300	0.05	0.05	0.05	0.05	0.05
16.550	0.05	0.05	0.05	0.05	0.05
16.800	0.05	0.05	0.05	0.05	0.05
17.050	0.05	0.05	0.05	0.05	0.04
17.300	0.04	0.04	0.04	0.04	0.04
17.550	0.04	0.04	0.04	0.04	0.04
17.800	0.04	0.04	0.04	0.04	0.04
18.050	0.04	0.04	0.04	0.04	0.04
18.300	0.04	0.04	0.04	0.04	0.04
18.550	0.04	0.04	0.04	0.04	0.04
18.800	0.04	0.04	0.04	0.04	0.04
19.050	0.04	0.03	0.03	0.03	0.03
19.300	0.03	0.03	0.03	0.03	0.03
19.550	0.03	0.03	0.03	0.03	0.03
19.800	0.03	0.03	0.03	0.03	0.03
20.050	0.03	0.03	0.03	0.03	0.03
20.300	0.03	0.03	0.03	0.03	0.03
20.550	0.03	0.03	0.03	0.03	0.03
20.800	0.03	0.03	0.03	0.03	0.03
21.050	0.03	0.03	0.03	0.03	0.03
21.300	0.03	0.03	0.03	0.03	0.03
21.550	0.03	0.03	0.03	0.03	0.03
21.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 1 (OUT)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.03	0.03	0.03	0.03	0.03
22.300	0.03	0.03	0.03	0.03	0.03
22.550	0.03	0.03	0.03	0.03	0.03
22.800	0.03	0.03	0.03	0.03	0.03
23.050	0.03	0.03	0.03	0.03	0.03
23.300	0.03	0.03	0.03	0.03	0.03
23.550	0.03	0.03	0.03	0.03	0.03
23.800	0.03	0.03	0.03	0.03	0.02

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 1 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Summary for Hydrograph Addition at 'Trench 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	1,186.277	11.950	0.49
Flow (In)	Trench 1	1,186.277	11.950	0.49

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 1 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Summary for Hydrograph Addition at 'Trench 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	1,632.312	11.950	0.68
Flow (In)	Trench 1	1,632.312	11.950	0.68

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 1 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Summary for Hydrograph Addition at 'Trench 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	2,333.453	11.950	0.96
Flow (In)	Trench 1	2,333.453	11.950	0.96

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 1 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Summary for Hydrograph Addition at 'Trench 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	2,977.968	11.950	1.22
Flow (In)	Trench 1	2,977.968	11.950	1.22

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 1 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Summary for Hydrograph Addition at 'Trench 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	4,013.160	11.950	1.63
Flow (In)	Trench 1	4,013.160	11.950	1.63

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 1 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Summary for Hydrograph Addition at 'Trench 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	5,000.077	11.950	2.01
Flow (In)	Trench 1	5,000.077	11.950	2.01

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 1 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Summary for Hydrograph Addition at 'Trench 1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-1

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-1	6,193.335	11.950	2.47
Flow (In)	Trench 1	6,193.335	11.950	2.47

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Trench 2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	517.53 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
517.53	0.00	0.000	1,581	0.00	0.00	0.00
517.63	0.00	63.240	1,581	0.00	0.00	0.70
517.73	0.00	126.480	1,581	0.00	0.00	1.41
517.83	0.00	189.720	1,581	0.00	0.00	2.11
517.93	0.00	252.960	1,581	0.00	0.00	2.81
518.03	0.00	316.200	1,581	0.00	0.00	3.51
518.13	0.00	379.440	1,581	0.00	0.00	4.22
518.23	0.00	442.680	1,581	0.00	0.00	4.92
518.33	0.00	505.920	1,581	0.00	0.00	5.62
518.43	0.00	569.160	1,581	0.00	0.00	6.32
518.53	0.00	632.400	1,581	0.00	0.00	7.03
518.63	0.00	695.640	1,581	0.00	0.00	7.73
518.73	0.00	758.880	1,581	0.00	0.00	8.43
518.83	0.00	822.120	1,581	0.00	0.00	9.13
518.93	0.00	885.360	1,581	0.00	0.00	9.84
519.03	0.00	948.600	1,581	0.00	0.00	10.54
519.13	0.00	1,011.840	1,581	0.00	0.00	11.24
519.23	0.00	1,075.080	1,581	0.00	0.00	11.95
519.33	0.00	1,138.320	1,581	0.00	0.00	12.65
519.43	0.00	1,201.560	1,581	0.00	0.00	13.35
519.53	0.00	1,264.800	1,581	0.00	0.00	14.05
519.63	0.00	1,328.040	1,581	0.00	0.00	14.76
519.73	0.00	1,391.280	1,581	0.00	0.00	15.46
519.83	0.00	1,454.520	1,581	0.00	0.00	16.16
519.93	0.00	1,517.760	1,581	0.00	0.00	16.86
520.03	0.00	1,581.000	1,581	0.00	0.00	17.57
520.13	0.00	1,644.240	1,581	0.00	0.00	18.27
520.23	0.00	1,707.480	1,581	0.00	0.00	18.97
520.33	0.00	1,770.720	1,581	0.00	0.00	19.67
520.40	0.00	1,814.988	1,581	0.00	0.00	20.17
520.43	0.01	1,833.960	1,581	0.00	0.01	20.39
520.53	0.44	1,897.200	1,581	0.00	0.44	21.52
520.63	1.83	1,960.440	1,581	0.00	1.83	23.62

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Trench 2

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.73	4.52	2,023.680	1,581	0.00	4.52	27.01
520.83	8.76	2,086.920	1,581	0.00	8.76	31.95
520.86	10.37	2,105.892	1,581	0.00	10.37	33.77

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 2 years

Label: Trench 2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	517.53 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
517.53	0.00	0.000	1,581	0.00	0.00	0.00
517.63	0.00	63.240	1,581	0.00	0.00	0.70
517.73	0.00	126.480	1,581	0.00	0.00	1.41
517.83	0.00	189.720	1,581	0.00	0.00	2.11
517.93	0.00	252.960	1,581	0.00	0.00	2.81
518.03	0.00	316.200	1,581	0.00	0.00	3.51
518.13	0.00	379.440	1,581	0.00	0.00	4.22
518.23	0.00	442.680	1,581	0.00	0.00	4.92
518.33	0.00	505.920	1,581	0.00	0.00	5.62
518.43	0.00	569.160	1,581	0.00	0.00	6.32
518.53	0.00	632.400	1,581	0.00	0.00	7.03
518.63	0.00	695.640	1,581	0.00	0.00	7.73
518.73	0.00	758.880	1,581	0.00	0.00	8.43
518.83	0.00	822.120	1,581	0.00	0.00	9.13
518.93	0.00	885.360	1,581	0.00	0.00	9.84
519.03	0.00	948.600	1,581	0.00	0.00	10.54
519.13	0.00	1,011.840	1,581	0.00	0.00	11.24
519.23	0.00	1,075.080	1,581	0.00	0.00	11.95
519.33	0.00	1,138.320	1,581	0.00	0.00	12.65
519.43	0.00	1,201.560	1,581	0.00	0.00	13.35
519.53	0.00	1,264.800	1,581	0.00	0.00	14.05
519.63	0.00	1,328.040	1,581	0.00	0.00	14.76
519.73	0.00	1,391.280	1,581	0.00	0.00	15.46
519.83	0.00	1,454.520	1,581	0.00	0.00	16.16
519.93	0.00	1,517.760	1,581	0.00	0.00	16.86
520.03	0.00	1,581.000	1,581	0.00	0.00	17.57
520.13	0.00	1,644.240	1,581	0.00	0.00	18.27
520.23	0.00	1,707.480	1,581	0.00	0.00	18.97
520.33	0.00	1,770.720	1,581	0.00	0.00	19.67
520.40	0.00	1,814.988	1,581	0.00	0.00	20.17
520.43	0.01	1,833.960	1,581	0.00	0.01	20.39
520.53	0.44	1,897.200	1,581	0.00	0.44	21.52
520.63	1.83	1,960.440	1,581	0.00	1.83	23.62

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 2 years

Label: Trench 2

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.73	4.52	2,023.680	1,581	0.00	4.52	27.01
520.83	8.76	2,086.920	1,581	0.00	8.76	31.95
520.86	10.37	2,105.892	1,581	0.00	10.37	33.77

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 5 years

Label: Trench 2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	516.86 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
516.86	0.00	0.000	1,581	0.00	0.00	0.00
516.96	0.00	63.240	1,581	0.00	0.00	0.70
517.06	0.00	126.480	1,581	0.00	0.00	1.41
517.16	0.00	189.720	1,581	0.00	0.00	2.11
517.26	0.00	252.960	1,581	0.00	0.00	2.81
517.36	0.00	316.200	1,581	0.00	0.00	3.51
517.46	0.00	379.440	1,581	0.00	0.00	4.22
517.56	0.00	442.680	1,581	0.00	0.00	4.92
517.66	0.00	505.920	1,581	0.00	0.00	5.62
517.76	0.00	569.160	1,581	0.00	0.00	6.32
517.86	0.00	632.400	1,581	0.00	0.00	7.03
517.96	0.00	695.640	1,581	0.00	0.00	7.73
518.06	0.00	758.880	1,581	0.00	0.00	8.43
518.16	0.00	822.120	1,581	0.00	0.00	9.13
518.26	0.00	885.360	1,581	0.00	0.00	9.84
518.36	0.00	948.600	1,581	0.00	0.00	10.54
518.46	0.00	1,011.840	1,581	0.00	0.00	11.24
518.56	0.00	1,075.080	1,581	0.00	0.00	11.95
518.66	0.00	1,138.320	1,581	0.00	0.00	12.65
518.76	0.00	1,201.560	1,581	0.00	0.00	13.35
518.86	0.00	1,264.800	1,581	0.00	0.00	14.05
518.96	0.00	1,328.040	1,581	0.00	0.00	14.76
519.06	0.00	1,391.280	1,581	0.00	0.00	15.46
519.16	0.00	1,454.520	1,581	0.00	0.00	16.16
519.26	0.00	1,517.760	1,581	0.00	0.00	16.86
519.36	0.00	1,581.000	1,581	0.00	0.00	17.57
519.46	0.00	1,644.240	1,581	0.00	0.00	18.27
519.56	0.00	1,707.480	1,581	0.00	0.00	18.97
519.66	0.00	1,770.720	1,581	0.00	0.00	19.67
519.76	0.00	1,833.960	1,581	0.00	0.00	20.38
519.86	0.00	1,897.200	1,581	0.00	0.00	21.08
519.96	0.00	1,960.440	1,581	0.00	0.00	21.78
520.06	0.00	2,023.680	1,581	0.00	0.00	22.49

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 5 years

Label: Trench 2

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.16	0.00	2,086.920	1,581	0.00	0.00	23.19
520.26	0.00	2,150.160	1,581	0.00	0.00	23.89
520.36	0.00	2,213.400	1,581	0.00	0.00	24.59
520.40	0.00	2,238.696	1,581	0.00	0.00	24.87
520.46	0.06	2,276.640	1,581	0.00	0.06	25.36
520.56	0.74	2,339.880	1,581	0.00	0.74	26.74
520.66	2.49	2,403.120	1,581	0.00	2.49	29.19
520.76	5.62	2,466.360	1,581	0.00	5.62	33.02
520.86	10.37	2,529.600	1,581	0.00	10.37	38.48

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Trench 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	516.86 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
516.86	0.00	0.000	1,581	0.00	0.00	0.00
516.96	0.00	63.240	1,581	0.00	0.00	0.70
517.06	0.00	126.480	1,581	0.00	0.00	1.41
517.16	0.00	189.720	1,581	0.00	0.00	2.11
517.26	0.00	252.960	1,581	0.00	0.00	2.81
517.36	0.00	316.200	1,581	0.00	0.00	3.51
517.46	0.00	379.440	1,581	0.00	0.00	4.22
517.56	0.00	442.680	1,581	0.00	0.00	4.92
517.66	0.00	505.920	1,581	0.00	0.00	5.62
517.76	0.00	569.160	1,581	0.00	0.00	6.32
517.86	0.00	632.400	1,581	0.00	0.00	7.03
517.96	0.00	695.640	1,581	0.00	0.00	7.73
518.06	0.00	758.880	1,581	0.00	0.00	8.43
518.16	0.00	822.120	1,581	0.00	0.00	9.13
518.26	0.00	885.360	1,581	0.00	0.00	9.84
518.36	0.00	948.600	1,581	0.00	0.00	10.54
518.46	0.00	1,011.840	1,581	0.00	0.00	11.24
518.56	0.00	1,075.080	1,581	0.00	0.00	11.95
518.66	0.00	1,138.320	1,581	0.00	0.00	12.65
518.76	0.00	1,201.560	1,581	0.00	0.00	13.35
518.86	0.00	1,264.800	1,581	0.00	0.00	14.05
518.96	0.00	1,328.040	1,581	0.00	0.00	14.76
519.06	0.00	1,391.280	1,581	0.00	0.00	15.46
519.16	0.00	1,454.520	1,581	0.00	0.00	16.16
519.26	0.00	1,517.760	1,581	0.00	0.00	16.86
519.36	0.00	1,581.000	1,581	0.00	0.00	17.57
519.46	0.00	1,644.240	1,581	0.00	0.00	18.27
519.56	0.00	1,707.480	1,581	0.00	0.00	18.97
519.66	0.00	1,770.720	1,581	0.00	0.00	19.67
519.76	0.00	1,833.960	1,581	0.00	0.00	20.38
519.86	0.00	1,897.200	1,581	0.00	0.00	21.08
519.96	0.00	1,960.440	1,581	0.00	0.00	21.78
520.06	0.00	2,023.680	1,581	0.00	0.00	22.49

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Trench 2

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.16	0.00	2,086.920	1,581	0.00	0.00	23.19
520.26	0.00	2,150.160	1,581	0.00	0.00	23.89
520.36	0.00	2,213.400	1,581	0.00	0.00	24.59
520.40	0.00	2,238.696	1,581	0.00	0.00	24.87
520.46	0.06	2,276.640	1,581	0.00	0.06	25.36
520.56	0.74	2,339.880	1,581	0.00	0.74	26.74
520.66	2.49	2,403.120	1,581	0.00	2.49	29.19
520.76	5.62	2,466.360	1,581	0.00	5.62	33.02
520.86	10.37	2,529.600	1,581	0.00	10.37	38.48

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Trench 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	516.86 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
516.86	0.00	0.000	1,581	0.00	0.00	0.00
516.96	0.00	63.240	1,581	0.00	0.00	0.70
517.06	0.00	126.480	1,581	0.00	0.00	1.41
517.16	0.00	189.720	1,581	0.00	0.00	2.11
517.26	0.00	252.960	1,581	0.00	0.00	2.81
517.36	0.00	316.200	1,581	0.00	0.00	3.51
517.46	0.00	379.440	1,581	0.00	0.00	4.22
517.56	0.00	442.680	1,581	0.00	0.00	4.92
517.66	0.00	505.920	1,581	0.00	0.00	5.62
517.76	0.00	569.160	1,581	0.00	0.00	6.32
517.86	0.00	632.400	1,581	0.00	0.00	7.03
517.96	0.00	695.640	1,581	0.00	0.00	7.73
518.06	0.00	758.880	1,581	0.00	0.00	8.43
518.16	0.00	822.120	1,581	0.00	0.00	9.13
518.26	0.00	885.360	1,581	0.00	0.00	9.84
518.36	0.00	948.600	1,581	0.00	0.00	10.54
518.46	0.00	1,011.840	1,581	0.00	0.00	11.24
518.56	0.00	1,075.080	1,581	0.00	0.00	11.95
518.66	0.00	1,138.320	1,581	0.00	0.00	12.65
518.76	0.00	1,201.560	1,581	0.00	0.00	13.35
518.86	0.00	1,264.800	1,581	0.00	0.00	14.05
518.96	0.00	1,328.040	1,581	0.00	0.00	14.76
519.06	0.00	1,391.280	1,581	0.00	0.00	15.46
519.16	0.00	1,454.520	1,581	0.00	0.00	16.16
519.26	0.00	1,517.760	1,581	0.00	0.00	16.86
519.36	0.00	1,581.000	1,581	0.00	0.00	17.57
519.46	0.00	1,644.240	1,581	0.00	0.00	18.27
519.56	0.00	1,707.480	1,581	0.00	0.00	18.97
519.66	0.00	1,770.720	1,581	0.00	0.00	19.67
519.76	0.00	1,833.960	1,581	0.00	0.00	20.38
519.86	0.00	1,897.200	1,581	0.00	0.00	21.08
519.96	0.00	1,960.440	1,581	0.00	0.00	21.78
520.06	0.00	2,023.680	1,581	0.00	0.00	22.49

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Trench 2

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.16	0.00	2,086.920	1,581	0.00	0.00	23.19
520.26	0.00	2,150.160	1,581	0.00	0.00	23.89
520.36	0.00	2,213.400	1,581	0.00	0.00	24.59
520.40	0.00	2,238.696	1,581	0.00	0.00	24.87
520.46	0.06	2,276.640	1,581	0.00	0.06	25.36
520.56	0.74	2,339.880	1,581	0.00	0.74	26.74
520.66	2.49	2,403.120	1,581	0.00	2.49	29.19
520.76	5.62	2,466.360	1,581	0.00	5.62	33.02
520.86	10.37	2,529.600	1,581	0.00	10.37	38.48

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 50 years

Label: Trench 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	517.53 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
517.53	0.00	0.000	1,582	0.00	0.00	0.00
517.63	0.00	63.280	1,582	0.00	0.00	0.70
517.73	0.00	126.560	1,582	0.00	0.00	1.41
517.83	0.00	189.840	1,582	0.00	0.00	2.11
517.93	0.00	253.120	1,582	0.00	0.00	2.81
518.03	0.00	316.400	1,582	0.00	0.00	3.52
518.13	0.00	379.680	1,582	0.00	0.00	4.22
518.23	0.00	442.960	1,582	0.00	0.00	4.92
518.33	0.00	506.240	1,582	0.00	0.00	5.62
518.43	0.00	569.520	1,582	0.00	0.00	6.33
518.53	0.00	632.800	1,582	0.00	0.00	7.03
518.63	0.00	696.080	1,582	0.00	0.00	7.73
518.73	0.00	759.360	1,582	0.00	0.00	8.44
518.83	0.00	822.640	1,582	0.00	0.00	9.14
518.93	0.00	885.920	1,582	0.00	0.00	9.84
519.03	0.00	949.200	1,582	0.00	0.00	10.55
519.13	0.00	1,012.480	1,582	0.00	0.00	11.25
519.23	0.00	1,075.760	1,582	0.00	0.00	11.95
519.33	0.00	1,139.040	1,582	0.00	0.00	12.66
519.43	0.00	1,202.320	1,582	0.00	0.00	13.36
519.53	0.00	1,265.600	1,582	0.00	0.00	14.06
519.63	0.00	1,328.880	1,582	0.00	0.00	14.77
519.73	0.00	1,392.160	1,582	0.00	0.00	15.47
519.83	0.00	1,455.440	1,582	0.00	0.00	16.17
519.93	0.00	1,518.720	1,582	0.00	0.00	16.87
520.03	0.00	1,582.000	1,582	0.00	0.00	17.58
520.13	0.00	1,645.280	1,582	0.00	0.00	18.28
520.23	0.00	1,708.560	1,582	0.00	0.00	18.98
520.33	0.00	1,771.840	1,582	0.00	0.00	19.69
520.43	0.00	1,835.120	1,582	0.00	0.00	20.39
520.53	0.00	1,898.400	1,582	0.00	0.00	21.09
520.63	0.00	1,961.680	1,582	0.00	0.00	21.80
520.73	0.00	2,024.960	1,582	0.00	0.00	22.50

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 50 years

Label: Trench 2

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.76	0.00	2,043.944	1,582	0.00	0.00	22.71
520.83	0.01	2,088.240	1,582	0.00	0.01	23.21
520.86	0.01	2,107.224	1,582	0.00	0.01	23.43

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 100 years

Label: Trench 2

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	517.53 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
517.53	0.00	0.000	1,581	0.00	0.00	0.00
517.63	0.00	63.240	1,581	0.00	0.00	0.70
517.73	0.00	126.480	1,581	0.00	0.00	1.41
517.83	0.00	189.720	1,581	0.00	0.00	2.11
517.93	0.00	252.960	1,581	0.00	0.00	2.81
518.03	0.00	316.200	1,581	0.00	0.00	3.51
518.13	0.00	379.440	1,581	0.00	0.00	4.22
518.23	0.00	442.680	1,581	0.00	0.00	4.92
518.33	0.00	505.920	1,581	0.00	0.00	5.62
518.43	0.00	569.160	1,581	0.00	0.00	6.32
518.53	0.00	632.400	1,581	0.00	0.00	7.03
518.63	0.00	695.640	1,581	0.00	0.00	7.73
518.73	0.00	758.880	1,581	0.00	0.00	8.43
518.83	0.00	822.120	1,581	0.00	0.00	9.13
518.93	0.00	885.360	1,581	0.00	0.00	9.84
519.03	0.00	948.600	1,581	0.00	0.00	10.54
519.13	0.00	1,011.840	1,581	0.00	0.00	11.24
519.23	0.00	1,075.080	1,581	0.00	0.00	11.95
519.33	0.00	1,138.320	1,581	0.00	0.00	12.65
519.43	0.00	1,201.560	1,581	0.00	0.00	13.35
519.53	0.00	1,264.800	1,581	0.00	0.00	14.05
519.63	0.00	1,328.040	1,581	0.00	0.00	14.76
519.73	0.00	1,391.280	1,581	0.00	0.00	15.46
519.83	0.00	1,454.520	1,581	0.00	0.00	16.16
519.93	0.00	1,517.760	1,581	0.00	0.00	16.86
520.03	0.00	1,581.000	1,581	0.00	0.00	17.57
520.13	0.00	1,644.240	1,581	0.00	0.00	18.27
520.23	0.00	1,707.480	1,581	0.00	0.00	18.97
520.33	0.00	1,770.720	1,581	0.00	0.00	19.67
520.40	0.00	1,814.988	1,581	0.00	0.00	20.17
520.43	0.01	1,833.960	1,581	0.00	0.01	20.39
520.53	0.44	1,897.200	1,581	0.00	0.44	21.52
520.63	1.83	1,960.440	1,581	0.00	1.83	23.62

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Trench 2

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.73	4.52	2,023.680	1,581	0.00	4.52	27.01
520.83	8.76	2,086.920	1,581	0.00	8.76	31.95
520.86	10.37	2,105.892	1,581	0.00	10.37	33.77

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 2 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		

Initial Conditions	
Elevation (Water Surface, Initial)	517.53 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.87 ft ³ /s	Time to Peak (Flow, In)	11.900 hours
Flow (Peak Outlet)	0.01 ft ³ /s	Time to Peak (Flow, Outlet)	20.800 hours

Elevation (Water Surface, Peak)	520.43 ft
Volume (Peak)	1,834.072 ft ³

Mass Balance (ft ³)	
Volume (Initial)	0.000 ft ³
Volume (Total Inflow)	2,004.000 ft ³
Volume (Total Infiltration)	0.000 ft ³
Volume (Total Outlet Outflow)	171.000 ft ³
Volume (Retained)	1,831.000 ft ³
Volume (Unrouted)	-2.000 ft ³
Error (Mass Balance)	0.1 %

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 2 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	517.53 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.19 ft ³ /s	Time to Peak (Flow, In)	11.900 hours
Flow (Peak Outlet)	0.05 ft ³ /s	Time to Peak (Flow, Outlet)	13.550 hours
Peak Conditions			
Elevation (Water Surface, Peak)	520.44 ft		
Volume (Peak)	1,840.216 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	2,721.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	887.000 ft ³		
Volume (Retained)	1,832.000 ft ³		
Volume (Unrouted)	-2.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 2 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	516.86 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.68 ft ³ /s	Time to Peak (Flow, In)	11.900 hours
Flow (Peak Outlet)	0.16 ft ³ /s	Time to Peak (Flow, Outlet)	12.500 hours
Peak Conditions			
Elevation (Water Surface, Peak)	520.47 ft		
Volume (Peak)	2,285.171 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	3,840.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	1,590.000 ft ³		
Volume (Retained)	2,247.000 ft ³		
Volume (Unrouted)	-3.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 2 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	516.86 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.12 ft ³ /s	Time to Peak (Flow, In)	11.900 hours
Flow (Peak Outlet)	1.44 ft ³ /s	Time to Peak (Flow, Outlet)	12.050 hours
Peak Conditions			
Elevation (Water Surface, Peak)	520.60 ft		
Volume (Peak)	2,364.994 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	4,861.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	2,609.000 ft ³		
Volume (Retained)	2,248.000 ft ³		
Volume (Unrouted)	-3.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 2 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	516.86 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.81 ft ³ /s	Time to Peak (Flow, In)	11.900 hours
Flow (Peak Outlet)	3.39 ft ³ /s	Time to Peak (Flow, Outlet)	11.950 hours
Peak Conditions			
Elevation (Water Surface, Peak)	520.69 ft		
Volume (Peak)	2,421.346 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	6,493.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	4,238.000 ft ³		
Volume (Retained)	2,251.000 ft ³		
Volume (Unrouted)	-4.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 2 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	517.53 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	(N/A) ft ³ /s	Time to Peak (Flow, In)	(N/A) hours
Flow (Peak Outlet)	(N/A) ft ³ /s	Time to Peak (Flow, Outlet)	(N/A) hours
Peak Conditions			
Elevation (Water Surface, Peak)	(N/A) ft		
Volume (Peak)	(N/A) ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	(N/A) ft ³		
Volume (Total Infiltration)	(N/A) ft ³		
Volume (Total Outlet Outflow)	(N/A) ft ³		
Volume (Retained)	(N/A) ft ³		
Volume (Unrouted)	(N/A) ft ³		
Error (Mass Balance)	(N/A) %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 2 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	517.53 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.22 ft ³ /s	Time to Peak (Flow, In)	11.900 hours
Flow (Peak Outlet)	4.12 ft ³ /s	Time to Peak (Flow, Outlet)	11.900 hours
Peak Conditions			
Elevation (Water Surface, Peak)	520.72 ft		
Volume (Peak)	2,014.214 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	9,910.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	8,072.000 ft ³		
Volume (Retained)	1,834.000 ft ³		
Volume (Unrouted)	-5.000 ft ³		
Error (Mass Balance)	0.0 %		

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 1 years

Label: Trench 2 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	20.800 hours
Hydrograph Volume	170.453 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
19.550	0.00	0.00	0.00	0.00	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Trench 2 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.05 ft ³ /s
Time to Peak	13.550 hours
Hydrograph Volume	887.104 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
13.300	0.00	0.00	0.01	0.03	0.05
13.550	0.05	0.05	0.05	0.05	0.05
13.800	0.05	0.05	0.05	0.05	0.04
14.050	0.04	0.04	0.04	0.04	0.04
14.300	0.04	0.04	0.04	0.04	0.04
14.550	0.04	0.04	0.04	0.04	0.04
14.800	0.04	0.04	0.04	0.04	0.04
15.050	0.04	0.04	0.03	0.03	0.03
15.300	0.03	0.03	0.03	0.03	0.03
15.550	0.03	0.03	0.03	0.03	0.03
15.800	0.03	0.03	0.03	0.03	0.03
16.050	0.03	0.03	0.03	0.03	0.03
16.300	0.03	0.03	0.03	0.03	0.03
16.550	0.03	0.03	0.03	0.03	0.03
16.800	0.03	0.03	0.02	0.02	0.02
17.050	0.02	0.02	0.02	0.02	0.02
17.300	0.02	0.02	0.02	0.02	0.02
17.550	0.02	0.02	0.02	0.02	0.02
17.800	0.02	0.02	0.02	0.02	0.02
18.050	0.02	0.02	0.02	0.02	0.02
18.300	0.02	0.02	0.02	0.02	0.02
18.550	0.02	0.02	0.02	0.02	0.02
18.800	0.02	0.02	0.02	0.02	0.02
19.050	0.02	0.02	0.02	0.02	0.02
19.300	0.02	0.02	0.02	0.02	0.02
19.550	0.02	0.02	0.02	0.02	0.02
19.800	0.02	0.02	0.02	0.02	0.02
20.050	0.02	0.02	0.02	0.02	0.02
20.300	0.02	0.02	0.02	0.02	0.02
20.550	0.02	0.02	0.02	0.02	0.02
20.800	0.02	0.02	0.02	0.02	0.02
21.050	0.02	0.02	0.02	0.02	0.02
21.300	0.02	0.02	0.02	0.02	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 2 (OUT)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 5 years

Label: Trench 2 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.16 ft ³ /s
Time to Peak	12.500 hours
Hydrograph Volume	1,590.323 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.350	0.00	0.04	0.11	0.16	0.14
12.600	0.13	0.13	0.12	0.12	0.11
12.850	0.11	0.11	0.10	0.10	0.10
13.100	0.09	0.09	0.09	0.09	0.08
13.350	0.08	0.08	0.08	0.08	0.07
13.600	0.07	0.07	0.07	0.07	0.07
13.850	0.06	0.06	0.06	0.06	0.06
14.100	0.06	0.06	0.06	0.06	0.06
14.350	0.06	0.06	0.05	0.05	0.05
14.600	0.05	0.05	0.05	0.05	0.05
14.850	0.05	0.05	0.05	0.05	0.05
15.100	0.05	0.05	0.05	0.05	0.05
15.350	0.05	0.04	0.04	0.04	0.04
15.600	0.04	0.04	0.04	0.04	0.04
15.850	0.04	0.04	0.04	0.04	0.04
16.100	0.04	0.04	0.04	0.04	0.04
16.350	0.04	0.04	0.04	0.04	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.03	0.03	0.03
17.850	0.03	0.03	0.03	0.03	0.03
18.100	0.03	0.03	0.03	0.03	0.03
18.350	0.03	0.03	0.03	0.03	0.03
18.600	0.03	0.03	0.03	0.03	0.03
18.850	0.03	0.03	0.03	0.03	0.03
19.100	0.03	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02
22.350	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 2 (OUT)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.02	0.02	0.02	0.02	0.02
23.600	0.02	0.02	0.02	0.02	0.02
23.850	0.02	0.02	0.02	0.02	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Trench 2 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	1.44 ft ³ /s
Time to Peak	12.050 hours
Hydrograph Volume	2,609.354 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.950	0.00	0.03	1.44	0.51	0.39
12.200	0.32	0.29	0.27	0.25	0.23
12.450	0.21	0.19	0.18	0.16	0.15
12.700	0.15	0.14	0.14	0.13	0.13
12.950	0.13	0.12	0.12	0.11	0.11
13.200	0.11	0.10	0.10	0.10	0.10
13.450	0.09	0.09	0.09	0.09	0.09
13.700	0.08	0.08	0.08	0.08	0.08
13.950	0.07	0.07	0.07	0.07	0.07
14.200	0.07	0.07	0.07	0.07	0.07
14.450	0.06	0.06	0.06	0.06	0.06
14.700	0.06	0.06	0.06	0.06	0.06
14.950	0.06	0.06	0.06	0.06	0.06
15.200	0.06	0.06	0.06	0.06	0.05
15.450	0.05	0.05	0.05	0.05	0.05
15.700	0.05	0.05	0.05	0.05	0.05
15.950	0.05	0.05	0.05	0.05	0.05
16.200	0.04	0.04	0.04	0.04	0.04
16.450	0.04	0.04	0.04	0.04	0.04
16.700	0.04	0.04	0.04	0.04	0.04
16.950	0.04	0.04	0.04	0.04	0.04
17.200	0.04	0.04	0.04	0.04	0.04
17.450	0.04	0.04	0.04	0.04	0.04
17.700	0.04	0.04	0.04	0.04	0.04
17.950	0.04	0.04	0.04	0.04	0.03
18.200	0.03	0.03	0.03	0.03	0.03
18.450	0.03	0.03	0.03	0.03	0.03
18.700	0.03	0.03	0.03	0.03	0.03
18.950	0.03	0.03	0.03	0.03	0.03
19.200	0.03	0.03	0.03	0.03	0.03
19.450	0.03	0.03	0.03	0.03	0.03
19.700	0.03	0.03	0.03	0.03	0.03
19.950	0.03	0.03	0.03	0.03	0.03
20.200	0.03	0.03	0.03	0.03	0.03
20.450	0.03	0.02	0.02	0.02	0.02
20.700	0.02	0.02	0.02	0.02	0.02
20.950	0.02	0.02	0.02	0.02	0.02
21.200	0.02	0.02	0.02	0.02	0.02
21.450	0.02	0.02	0.02	0.02	0.02
21.700	0.02	0.02	0.02	0.02	0.02
21.950	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Trench 2 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.200	0.02	0.02	0.02	0.02	0.02
22.450	0.02	0.02	0.02	0.02	0.02
22.700	0.02	0.02	0.02	0.02	0.02
22.950	0.02	0.02	0.02	0.02	0.02
23.200	0.02	0.02	0.02	0.02	0.02
23.450	0.02	0.02	0.02	0.02	0.02
23.700	0.02	0.02	0.02	0.02	0.02
23.950	0.02	0.02	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Trench 2 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	3.39 ft ³ /s
Time to Peak	11.950 hours
Hydrograph Volume	4,237.711 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.850	0.00	0.02	3.39	1.82	1.72
12.100	0.64	0.51	0.42	0.38	0.35
12.350	0.33	0.30	0.27	0.25	0.23
12.600	0.21	0.20	0.19	0.18	0.18
12.850	0.17	0.17	0.16	0.15	0.15
13.100	0.14	0.14	0.14	0.13	0.13
13.350	0.13	0.12	0.12	0.12	0.11
13.600	0.11	0.11	0.11	0.10	0.10
13.850	0.10	0.10	0.10	0.09	0.09
14.100	0.09	0.09	0.09	0.09	0.09
14.350	0.08	0.08	0.08	0.08	0.08
14.600	0.08	0.08	0.08	0.08	0.08
14.850	0.08	0.08	0.07	0.07	0.07
15.100	0.07	0.07	0.07	0.07	0.07
15.350	0.07	0.07	0.07	0.07	0.06
15.600	0.06	0.06	0.06	0.06	0.06
15.850	0.06	0.06	0.06	0.06	0.06
16.100	0.06	0.06	0.06	0.06	0.06
16.350	0.06	0.06	0.05	0.05	0.05
16.600	0.05	0.05	0.05	0.05	0.05
16.850	0.05	0.05	0.05	0.05	0.05
17.100	0.05	0.05	0.05	0.05	0.05
17.350	0.05	0.05	0.05	0.05	0.05
17.600	0.05	0.05	0.05	0.05	0.05
17.850	0.05	0.05	0.05	0.05	0.05
18.100	0.04	0.04	0.04	0.04	0.04
18.350	0.04	0.04	0.04	0.04	0.04
18.600	0.04	0.04	0.04	0.04	0.04
18.850	0.04	0.04	0.04	0.04	0.04
19.100	0.04	0.04	0.04	0.04	0.04
19.350	0.04	0.04	0.04	0.04	0.04
19.600	0.04	0.04	0.04	0.03	0.03
19.850	0.03	0.03	0.03	0.03	0.03
20.100	0.03	0.03	0.03	0.03	0.03
20.350	0.03	0.03	0.03	0.03	0.03
20.600	0.03	0.03	0.03	0.03	0.03
20.850	0.03	0.03	0.03	0.03	0.03
21.100	0.03	0.03	0.03	0.03	0.03
21.350	0.03	0.03	0.03	0.03	0.03
21.600	0.03	0.03	0.03	0.03	0.03
21.850	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Trench 2 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.100	0.03	0.03	0.03	0.03	0.03
22.350	0.03	0.03	0.03	0.03	0.03
22.600	0.03	0.03	0.03	0.03	0.03
22.850	0.03	0.03	0.03	0.03	0.03
23.100	0.03	0.03	0.03	0.03	0.03
23.350	0.03	0.03	0.03	0.03	0.03
23.600	0.03	0.03	0.03	0.03	0.03
23.850	0.03	0.03	0.03	0.03	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Trench 2 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	15.850 hours
Hydrograph Volume	588.023 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.01	0.01	0.01	0.01
12.050	0.01	0.01	0.01	0.01	0.01
12.300	0.01	0.01	0.01	0.01	0.01
12.550	0.01	0.01	0.01	0.01	0.01
12.800	0.01	0.01	0.01	0.01	0.01
13.050	0.01	0.01	0.01	0.01	0.01
13.300	0.01	0.01	0.01	0.01	0.01
13.550	0.01	0.01	0.01	0.01	0.01
13.800	0.01	0.01	0.01	0.01	0.01
14.050	0.01	0.01	0.01	0.01	0.01
14.300	0.01	0.01	0.01	0.01	0.01
14.550	0.01	0.01	0.01	0.01	0.01
14.800	0.01	0.01	0.01	0.01	0.01
15.050	0.01	0.01	0.01	0.01	0.01
15.300	0.01	0.01	0.01	0.01	0.01
15.550	0.01	0.01	0.01	0.01	0.01
15.800	0.01	0.01	0.01	0.01	0.01
16.050	0.01	0.01	0.01	0.01	0.01
16.300	0.01	0.01	0.01	0.01	0.01
16.550	0.01	0.01	0.01	0.01	0.01
16.800	0.01	0.01	0.01	0.01	0.01
17.050	0.01	0.01	0.01	0.01	0.01
17.300	0.01	0.01	0.01	0.01	0.01
17.550	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
18.050	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.550	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
19.050	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.550	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 2 (OUT)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Trench 2 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	4.12 ft ³ /s
Time to Peak	11.900 hours
Hydrograph Volume	8,071.637 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.650	0.00	0.40	1.92	2.08	3.19
11.900	4.12	3.90	3.27	2.16	1.05
12.150	0.64	0.59	0.54	0.50	0.46
12.400	0.43	0.40	0.37	0.34	0.31
12.650	0.29	0.28	0.27	0.26	0.25
12.900	0.24	0.23	0.23	0.22	0.21
13.150	0.20	0.20	0.19	0.19	0.19
13.400	0.18	0.18	0.17	0.17	0.16
13.650	0.16	0.15	0.15	0.15	0.14
13.900	0.14	0.14	0.13	0.13	0.13
14.150	0.13	0.13	0.12	0.12	0.12
14.400	0.12	0.12	0.12	0.12	0.12
14.650	0.11	0.11	0.11	0.11	0.11
14.900	0.11	0.11	0.11	0.11	0.10
15.150	0.10	0.10	0.10	0.10	0.10
15.400	0.10	0.10	0.09	0.09	0.09
15.650	0.09	0.09	0.09	0.09	0.09
15.900	0.08	0.08	0.08	0.08	0.08
16.150	0.08	0.08	0.08	0.08	0.08
16.400	0.08	0.08	0.08	0.08	0.08
16.650	0.08	0.07	0.07	0.07	0.07
16.900	0.07	0.07	0.07	0.07	0.07
17.150	0.07	0.07	0.07	0.07	0.07
17.400	0.07	0.07	0.07	0.07	0.07
17.650	0.07	0.07	0.07	0.07	0.07
17.900	0.06	0.06	0.06	0.06	0.06
18.150	0.06	0.06	0.06	0.06	0.06
18.400	0.06	0.06	0.06	0.06	0.06
18.650	0.06	0.06	0.06	0.06	0.06
18.900	0.06	0.06	0.06	0.05	0.05
19.150	0.05	0.05	0.05	0.05	0.05
19.400	0.05	0.05	0.05	0.05	0.05
19.650	0.05	0.05	0.05	0.05	0.05
19.900	0.05	0.05	0.05	0.05	0.05
20.150	0.05	0.05	0.05	0.05	0.05
20.400	0.05	0.04	0.04	0.04	0.04
20.650	0.04	0.04	0.04	0.04	0.04
20.900	0.04	0.04	0.04	0.04	0.04
21.150	0.04	0.04	0.04	0.04	0.04
21.400	0.04	0.04	0.04	0.04	0.04
21.650	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Trench 2 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.900	0.04	0.04	0.04	0.04	0.04
22.150	0.04	0.04	0.04	0.04	0.04
22.400	0.04	0.04	0.04	0.04	0.04
22.650	0.04	0.04	0.04	0.04	0.04
22.900	0.04	0.04	0.04	0.04	0.04
23.150	0.04	0.04	0.04	0.04	0.04
23.400	0.04	0.04	0.04	0.04	0.04
23.650	0.04	0.04	0.04	0.04	0.04
23.900	0.04	0.04	0.04	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 2 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Summary for Hydrograph Addition at 'Trench 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-2

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-2	2,003.821	11.900	0.87
Flow (In)	Trench 2	2,003.821	11.900	0.87

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 2 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Summary for Hydrograph Addition at 'Trench 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-2

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-2	2,721.413	11.900	1.19
Flow (In)	Trench 2	2,721.413	11.900	1.19

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 2 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Summary for Hydrograph Addition at 'Trench 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-2

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-2	3,839.723	11.900	1.68
Flow (In)	Trench 2	3,839.723	11.900	1.68

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 2 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Summary for Hydrograph Addition at 'Trench 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-2

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-2	4,860.994	11.900	2.12
Flow (In)	Trench 2	4,860.994	11.900	2.12

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 2 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Summary for Hydrograph Addition at 'Trench 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-2

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-2	6,492.800	11.900	2.81
Flow (In)	Trench 2	6,492.800	11.900	2.81

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 2 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Summary for Hydrograph Addition at 'Trench 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-2

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-2	8,042.055	11.900	3.46
Flow (In)	Trench 2	8,042.055	11.900	3.46

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 2 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Summary for Hydrograph Addition at 'Trench 2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-2

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-2	9,909.685	11.900	4.22
Flow (In)	Trench 2	9,909.685	11.900	4.22

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Trench 3

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.71	0.00	0.000	1,610	0.00	0.00	0.00
521.81	0.00	64.400	1,610	0.00	0.00	0.72
521.91	0.00	128.800	1,610	0.00	0.00	1.43
522.01	0.00	193.200	1,610	0.00	0.00	2.15
522.11	0.00	257.600	1,610	0.00	0.00	2.86
522.21	0.00	322.000	1,610	0.00	0.00	3.58
522.31	0.00	386.400	1,610	0.00	0.00	4.29
522.41	0.00	450.800	1,610	0.00	0.00	5.01
522.51	0.00	515.200	1,610	0.00	0.00	5.72
522.61	0.00	579.600	1,610	0.00	0.00	6.44
522.71	0.00	644.000	1,610	0.00	0.00	7.16
522.81	0.00	708.400	1,610	0.00	0.00	7.87
522.91	0.00	772.800	1,610	0.00	0.00	8.59
523.01	0.00	837.200	1,610	0.00	0.00	9.30
523.11	0.00	901.600	1,610	0.00	0.00	10.02
523.21	0.00	966.000	1,610	0.00	0.00	10.73
523.31	0.00	1,030.400	1,610	0.00	0.00	11.45
523.41	0.00	1,094.800	1,610	0.00	0.00	12.16
523.51	0.00	1,159.200	1,610	0.00	0.00	12.88
523.56	0.00	1,191.400	1,610	0.00	0.00	13.24
523.61	0.06	1,223.600	1,610	0.00	0.06	13.65
523.71	0.90	1,288.000	1,610	0.00	0.90	15.21
523.81	3.23	1,352.400	1,610	0.00	3.23	18.26
523.91	7.49	1,416.800	1,610	0.00	7.49	23.23
524.01	14.04	1,481.200	1,610	0.00	14.04	30.50
524.11	23.19	1,545.600	1,610	0.00	23.19	40.36
524.21	35.21	1,610.000	1,610	0.00	35.21	53.10

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Trench 3

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.71	0.00	0.000	1,610	0.00	0.00	0.00
521.81	0.00	64.400	1,610	0.00	0.00	0.72
521.91	0.00	128.800	1,610	0.00	0.00	1.43
522.01	0.00	193.200	1,610	0.00	0.00	2.15
522.11	0.00	257.600	1,610	0.00	0.00	2.86
522.21	0.00	322.000	1,610	0.00	0.00	3.58
522.31	0.00	386.400	1,610	0.00	0.00	4.29
522.41	0.00	450.800	1,610	0.00	0.00	5.01
522.51	0.00	515.200	1,610	0.00	0.00	5.72
522.61	0.00	579.600	1,610	0.00	0.00	6.44
522.71	0.00	644.000	1,610	0.00	0.00	7.16
522.81	0.00	708.400	1,610	0.00	0.00	7.87
522.91	0.00	772.800	1,610	0.00	0.00	8.59
523.01	0.00	837.200	1,610	0.00	0.00	9.30
523.11	0.00	901.600	1,610	0.00	0.00	10.02
523.21	0.00	966.000	1,610	0.00	0.00	10.73
523.31	0.00	1,030.400	1,610	0.00	0.00	11.45
523.41	0.00	1,094.800	1,610	0.00	0.00	12.16
523.51	0.00	1,159.200	1,610	0.00	0.00	12.88
523.56	0.00	1,191.400	1,610	0.00	0.00	13.24
523.61	0.06	1,223.600	1,610	0.00	0.06	13.65
523.71	0.90	1,288.000	1,610	0.00	0.90	15.21
523.81	3.23	1,352.400	1,610	0.00	3.23	18.26
523.91	7.49	1,416.800	1,610	0.00	7.49	23.23
524.01	14.04	1,481.200	1,610	0.00	14.04	30.50
524.11	23.19	1,545.600	1,610	0.00	23.19	40.36
524.21	35.21	1,610.000	1,610	0.00	35.21	53.10

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 5 years

Label: Trench 3

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.71	0.00	0.000	1,610	0.00	0.00	0.00
521.81	0.00	64.400	1,610	0.00	0.00	0.72
521.91	0.00	128.800	1,610	0.00	0.00	1.43
522.01	0.00	193.200	1,610	0.00	0.00	2.15
522.11	0.00	257.600	1,610	0.00	0.00	2.86
522.21	0.00	322.000	1,610	0.00	0.00	3.58
522.31	0.00	386.400	1,610	0.00	0.00	4.29
522.41	0.00	450.800	1,610	0.00	0.00	5.01
522.51	0.00	515.200	1,610	0.00	0.00	5.72
522.61	0.00	579.600	1,610	0.00	0.00	6.44
522.71	0.00	644.000	1,610	0.00	0.00	7.16
522.81	0.00	708.400	1,610	0.00	0.00	7.87
522.91	0.00	772.800	1,610	0.00	0.00	8.59
523.01	0.00	837.200	1,610	0.00	0.00	9.30
523.11	0.00	901.600	1,610	0.00	0.00	10.02
523.21	0.00	966.000	1,610	0.00	0.00	10.73
523.31	0.00	1,030.400	1,610	0.00	0.00	11.45
523.41	0.00	1,094.800	1,610	0.00	0.00	12.16
523.51	0.00	1,159.200	1,610	0.00	0.00	12.88
523.56	0.00	1,191.400	1,610	0.00	0.00	13.24
523.61	0.06	1,223.600	1,610	0.00	0.06	13.65
523.71	0.90	1,288.000	1,610	0.00	0.90	15.21
523.81	3.23	1,352.400	1,610	0.00	3.23	18.26
523.91	7.49	1,416.800	1,610	0.00	7.49	23.23
524.01	14.04	1,481.200	1,610	0.00	14.04	30.50
524.11	23.19	1,545.600	1,610	0.00	23.19	40.36
524.21	35.21	1,610.000	1,610	0.00	35.21	53.10

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Trench 3

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.71	0.00	0.000	1,610	0.00	0.00	0.00
521.81	0.00	64.400	1,610	0.00	0.00	0.72
521.91	0.00	128.800	1,610	0.00	0.00	1.43
522.01	0.00	193.200	1,610	0.00	0.00	2.15
522.11	0.00	257.600	1,610	0.00	0.00	2.86
522.21	0.00	322.000	1,610	0.00	0.00	3.58
522.31	0.00	386.400	1,610	0.00	0.00	4.29
522.41	0.00	450.800	1,610	0.00	0.00	5.01
522.51	0.00	515.200	1,610	0.00	0.00	5.72
522.61	0.00	579.600	1,610	0.00	0.00	6.44
522.71	0.00	644.000	1,610	0.00	0.00	7.16
522.81	0.00	708.400	1,610	0.00	0.00	7.87
522.91	0.00	772.800	1,610	0.00	0.00	8.59
523.01	0.00	837.200	1,610	0.00	0.00	9.30
523.11	0.00	901.600	1,610	0.00	0.00	10.02
523.21	0.00	966.000	1,610	0.00	0.00	10.73
523.31	0.00	1,030.400	1,610	0.00	0.00	11.45
523.41	0.00	1,094.800	1,610	0.00	0.00	12.16
523.51	0.00	1,159.200	1,610	0.00	0.00	12.88
523.56	0.00	1,191.400	1,610	0.00	0.00	13.24
523.61	0.06	1,223.600	1,610	0.00	0.06	13.65
523.71	0.90	1,288.000	1,610	0.00	0.90	15.21
523.81	3.23	1,352.400	1,610	0.00	3.23	18.26
523.91	7.49	1,416.800	1,610	0.00	7.49	23.23
524.01	14.04	1,481.200	1,610	0.00	14.04	30.50
524.11	23.19	1,545.600	1,610	0.00	23.19	40.36
524.21	35.21	1,610.000	1,610	0.00	35.21	53.10

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Trench 3

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.71	0.00	0.000	1,610	0.00	0.00	0.00
521.81	0.00	64.400	1,610	0.00	0.00	0.72
521.91	0.00	128.800	1,610	0.00	0.00	1.43
522.01	0.00	193.200	1,610	0.00	0.00	2.15
522.11	0.00	257.600	1,610	0.00	0.00	2.86
522.21	0.00	322.000	1,610	0.00	0.00	3.58
522.31	0.00	386.400	1,610	0.00	0.00	4.29
522.41	0.00	450.800	1,610	0.00	0.00	5.01
522.51	0.00	515.200	1,610	0.00	0.00	5.72
522.61	0.00	579.600	1,610	0.00	0.00	6.44
522.71	0.00	644.000	1,610	0.00	0.00	7.16
522.81	0.00	708.400	1,610	0.00	0.00	7.87
522.91	0.00	772.800	1,610	0.00	0.00	8.59
523.01	0.00	837.200	1,610	0.00	0.00	9.30
523.11	0.00	901.600	1,610	0.00	0.00	10.02
523.21	0.00	966.000	1,610	0.00	0.00	10.73
523.31	0.00	1,030.400	1,610	0.00	0.00	11.45
523.41	0.00	1,094.800	1,610	0.00	0.00	12.16
523.51	0.00	1,159.200	1,610	0.00	0.00	12.88
523.56	0.00	1,191.400	1,610	0.00	0.00	13.24
523.61	0.06	1,223.600	1,610	0.00	0.06	13.65
523.71	0.90	1,288.000	1,610	0.00	0.90	15.21
523.81	3.23	1,352.400	1,610	0.00	3.23	18.26
523.91	7.49	1,416.800	1,610	0.00	7.49	23.23
524.01	14.04	1,481.200	1,610	0.00	14.04	30.50
524.11	23.19	1,545.600	1,610	0.00	23.19	40.36
524.21	35.21	1,610.000	1,610	0.00	35.21	53.10

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 50 years

Label: Trench 3

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.71	0.00	0.000	1,610	0.00	0.00	0.00
521.81	0.00	64.400	1,610	0.00	0.00	0.72
521.91	0.00	128.800	1,610	0.00	0.00	1.43
522.01	0.00	193.200	1,610	0.00	0.00	2.15
522.11	0.00	257.600	1,610	0.00	0.00	2.86
522.21	0.00	322.000	1,610	0.00	0.00	3.58
522.31	0.00	386.400	1,610	0.00	0.00	4.29
522.41	0.00	450.800	1,610	0.00	0.00	5.01
522.51	0.00	515.200	1,610	0.00	0.00	5.72
522.61	0.00	579.600	1,610	0.00	0.00	6.44
522.71	0.00	644.000	1,610	0.00	0.00	7.16
522.81	0.00	708.400	1,610	0.00	0.00	7.87
522.91	0.00	772.800	1,610	0.00	0.00	8.59
523.01	0.00	837.200	1,610	0.00	0.00	9.30
523.11	0.00	901.600	1,610	0.00	0.00	10.02
523.21	0.00	966.000	1,610	0.00	0.00	10.73
523.31	0.00	1,030.400	1,610	0.00	0.00	11.45
523.41	0.00	1,094.800	1,610	0.00	0.00	12.16
523.51	0.00	1,159.200	1,610	0.00	0.00	12.88
523.56	0.00	1,191.400	1,610	0.00	0.00	13.24
523.61	0.06	1,223.600	1,610	0.00	0.06	13.65
523.71	0.90	1,288.000	1,610	0.00	0.90	15.21
523.81	3.23	1,352.400	1,610	0.00	3.23	18.26
523.91	7.49	1,416.800	1,610	0.00	7.49	23.23
524.01	14.04	1,481.200	1,610	0.00	14.04	30.50
524.11	23.19	1,545.600	1,610	0.00	23.19	40.36
524.21	35.21	1,610.000	1,610	0.00	35.21	53.10

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 100 years

Label: Trench 3

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
521.71	0.00	0.000	1,610	0.00	0.00	0.00
521.81	0.00	64.400	1,610	0.00	0.00	0.72
521.91	0.00	128.800	1,610	0.00	0.00	1.43
522.01	0.00	193.200	1,610	0.00	0.00	2.15
522.11	0.00	257.600	1,610	0.00	0.00	2.86
522.21	0.00	322.000	1,610	0.00	0.00	3.58
522.31	0.00	386.400	1,610	0.00	0.00	4.29
522.41	0.00	450.800	1,610	0.00	0.00	5.01
522.51	0.00	515.200	1,610	0.00	0.00	5.72
522.61	0.00	579.600	1,610	0.00	0.00	6.44
522.71	0.00	644.000	1,610	0.00	0.00	7.16
522.81	0.00	708.400	1,610	0.00	0.00	7.87
522.91	0.00	772.800	1,610	0.00	0.00	8.59
523.01	0.00	837.200	1,610	0.00	0.00	9.30
523.11	0.00	901.600	1,610	0.00	0.00	10.02
523.21	0.00	966.000	1,610	0.00	0.00	10.73
523.31	0.00	1,030.400	1,610	0.00	0.00	11.45
523.41	0.00	1,094.800	1,610	0.00	0.00	12.16
523.51	0.00	1,159.200	1,610	0.00	0.00	12.88
523.56	0.00	1,191.400	1,610	0.00	0.00	13.24
523.61	0.06	1,223.600	1,610	0.00	0.06	13.65
523.71	0.90	1,288.000	1,610	0.00	0.90	15.21
523.81	3.23	1,352.400	1,610	0.00	3.23	18.26
523.91	7.49	1,416.800	1,610	0.00	7.49	23.23
524.01	14.04	1,481.200	1,610	0.00	14.04	30.50
524.11	23.19	1,545.600	1,610	0.00	23.19	40.36
524.21	35.21	1,610.000	1,610	0.00	35.21	53.10

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 3 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.71 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.51 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.01 ft ³ /s	Time to Peak (Flow, Outlet)	18.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.57 ft		
Volume (Peak)	1,198.867 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	1,438.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	242.000 ft ³		
Volume (Retained)	1,195.000 ft ³		
Volume (Unrouted)	-1.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 3 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.71 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.72 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.05 ft ³ /s	Time to Peak (Flow, Outlet)	13.300 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.60 ft		
Volume (Peak)	1,219.129 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	2,004.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	807.000 ft ³		
Volume (Retained)	1,196.000 ft ³		
Volume (Unrouted)	-2.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 3 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Infiltration

Infiltration Method (Computed)	No Infiltration
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Initial Conditions

Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.05 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.54 ft ³ /s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	523.67 ft
Volume (Peak)	1,260.401 ft ³

Mass Balance (ft³)

Volume (Initial)	0.000 ft ³
Volume (Total Inflow)	2,902.000 ft ³
Volume (Total Infiltration)	0.000 ft ³
Volume (Total Outlet Outflow)	1,703.000 ft ³
Volume (Retained)	1,197.000 ft ³
Volume (Unrouted)	-2.000 ft ³
Error (Mass Balance)	0.1 %

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 3 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.71 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.36 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.21 ft ³ /s	Time to Peak (Flow, Outlet)	12.100 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.72 ft		
Volume (Peak)	1,296.511 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	3,733.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	2,532.000 ft ³		
Volume (Retained)	1,199.000 ft ³		
Volume (Unrouted)	-3.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 3 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.71 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.83 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.15 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.76 ft		
Volume (Peak)	1,322.543 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	5,075.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	3,871.000 ft ³		
Volume (Retained)	1,201.000 ft ³		
Volume (Unrouted)	-4.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 3 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	521.71 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.28 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.33 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	523.77 ft		
Volume (Peak)	1,327.629 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	6,359.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	5,153.000 ft ³		
Volume (Retained)	1,202.000 ft ³		
Volume (Unrouted)	-4.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 3 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Infiltration

Infiltration Method (Computed)	No Infiltration
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Initial Conditions

Elevation (Water Surface, Initial)	521.71 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.82 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.81 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	523.79 ft
Volume (Peak)	1,340.737 ft ³

Mass Balance (ft³)

Volume (Initial)	0.000 ft ³
Volume (Total Inflow)	7,917.000 ft ³
Volume (Total Infiltration)	0.000 ft ³
Volume (Total Outlet Outflow)	6,708.000 ft ³
Volume (Retained)	1,205.000 ft ³
Volume (Unrouted)	-5.000 ft ³
Error (Mass Balance)	0.1 %

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 1 years

Label: Trench 3 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.01 ft ³ /s
Time to Peak	18.000 hours
Hydrograph Volume	241.683 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.350	0.00	0.00	0.01	0.01	0.01
17.600	0.01	0.01	0.01	0.01	0.01
17.850	0.01	0.01	0.01	0.01	0.01
18.100	0.01	0.01	0.01	0.01	0.01
18.350	0.01	0.01	0.01	0.01	0.01
18.600	0.01	0.01	0.01	0.01	0.01
18.850	0.01	0.01	0.01	0.01	0.01
19.100	0.01	0.01	0.01	0.01	0.01
19.350	0.01	0.01	0.01	0.01	0.01
19.600	0.01	0.01	0.01	0.01	0.01
19.850	0.01	0.01	0.01	0.01	0.01
20.100	0.01	0.01	0.01	0.01	0.01
20.350	0.01	0.01	0.01	0.01	0.01
20.600	0.01	0.01	0.01	0.01	0.01
20.850	0.01	0.01	0.01	0.01	0.01
21.100	0.01	0.01	0.01	0.01	0.01
21.350	0.01	0.01	0.01	0.01	0.01
21.600	0.01	0.01	0.01	0.01	0.01
21.850	0.01	0.01	0.01	0.01	0.01
22.100	0.01	0.01	0.01	0.01	0.01
22.350	0.01	0.01	0.01	0.01	0.01
22.600	0.01	0.01	0.01	0.01	0.01
22.850	0.01	0.01	0.01	0.01	0.01
23.100	0.01	0.01	0.01	0.01	0.01
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Trench 3 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.05 ft ³ /s
Time to Peak	13.300 hours
Hydrograph Volume	806.706 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.900	0.00	0.02	0.03	0.04	0.04
13.150	0.05	0.05	0.05	0.05	0.05
13.400	0.05	0.05	0.05	0.05	0.05
13.650	0.05	0.04	0.04	0.04	0.04
13.900	0.04	0.04	0.04	0.04	0.04
14.150	0.04	0.04	0.03	0.03	0.03
14.400	0.03	0.03	0.03	0.03	0.03
14.650	0.03	0.03	0.03	0.03	0.03
14.900	0.03	0.03	0.03	0.03	0.03
15.150	0.03	0.03	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.02	0.02	0.02
15.900	0.02	0.02	0.02	0.02	0.02
16.150	0.02	0.02	0.02	0.02	0.02
16.400	0.02	0.02	0.02	0.02	0.02
16.650	0.02	0.02	0.02	0.02	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.650	0.01	0.01	0.01	0.01	0.01
19.900	0.01	0.01	0.01	0.01	0.01
20.150	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.650	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 3 (OUT)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 5 years

Label: Trench 3 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.54 ft ³ /s
Time to Peak	12.150 hours
Hydrograph Volume	1,702.710 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.100	0.00	0.54	0.49	0.34	0.27
12.350	0.22	0.19	0.17	0.15	0.14
12.600	0.12	0.11	0.11	0.10	0.10
12.850	0.09	0.09	0.09	0.08	0.08
13.100	0.08	0.08	0.07	0.07	0.07
13.350	0.07	0.07	0.06	0.06	0.06
13.600	0.06	0.06	0.06	0.06	0.06
13.850	0.06	0.05	0.05	0.05	0.05
14.100	0.05	0.05	0.05	0.05	0.05
14.350	0.05	0.05	0.04	0.04	0.04
14.600	0.04	0.04	0.04	0.04	0.04
14.850	0.04	0.04	0.04	0.04	0.04
15.100	0.04	0.04	0.04	0.04	0.04
15.350	0.04	0.04	0.04	0.04	0.04
15.600	0.03	0.03	0.03	0.03	0.03
15.850	0.03	0.03	0.03	0.03	0.03
16.100	0.03	0.03	0.03	0.03	0.03
16.350	0.03	0.03	0.03	0.03	0.03
16.600	0.03	0.03	0.03	0.03	0.03
16.850	0.03	0.03	0.03	0.03	0.03
17.100	0.03	0.03	0.03	0.03	0.03
17.350	0.03	0.03	0.03	0.03	0.03
17.600	0.03	0.03	0.02	0.02	0.02
17.850	0.02	0.02	0.02	0.02	0.02
18.100	0.02	0.02	0.02	0.02	0.02
18.350	0.02	0.02	0.02	0.02	0.02
18.600	0.02	0.02	0.02	0.02	0.02
18.850	0.02	0.02	0.02	0.02	0.02
19.100	0.02	0.02	0.02	0.02	0.02
19.350	0.02	0.02	0.02	0.02	0.02
19.600	0.02	0.02	0.02	0.02	0.02
19.850	0.02	0.02	0.02	0.02	0.02
20.100	0.02	0.02	0.02	0.02	0.02
20.350	0.02	0.02	0.02	0.02	0.02
20.600	0.02	0.02	0.02	0.02	0.02
20.850	0.02	0.02	0.02	0.02	0.02
21.100	0.02	0.02	0.02	0.02	0.02
21.350	0.02	0.02	0.02	0.02	0.02
21.600	0.02	0.02	0.02	0.02	0.02
21.850	0.02	0.02	0.02	0.02	0.02
22.100	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 3 (OUT)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.350	0.02	0.02	0.02	0.02	0.02
22.600	0.02	0.02	0.02	0.02	0.02
22.850	0.02	0.02	0.02	0.02	0.02
23.100	0.02	0.02	0.02	0.02	0.02
23.350	0.01	0.01	0.01	0.01	0.01
23.600	0.01	0.01	0.01	0.01	0.01
23.850	0.01	0.01	0.01	0.01	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Trench 3 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	1.21 ft ³ /s
Time to Peak	12.100 hours
Hydrograph Volume	2,531.877 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.000	0.00	1.09	1.21	0.77	0.61
12.250	0.43	0.34	0.28	0.24	0.21
12.500	0.19	0.17	0.15	0.14	0.13
12.750	0.13	0.12	0.12	0.11	0.11
13.000	0.10	0.10	0.10	0.09	0.09
13.250	0.09	0.09	0.08	0.08	0.08
13.500	0.08	0.08	0.07	0.07	0.07
13.750	0.07	0.07	0.07	0.06	0.06
14.000	0.06	0.06	0.06	0.06	0.06
14.250	0.06	0.06	0.06	0.06	0.05
14.500	0.05	0.05	0.05	0.05	0.05
14.750	0.05	0.05	0.05	0.05	0.05
15.000	0.05	0.05	0.05	0.05	0.05
15.250	0.05	0.05	0.05	0.05	0.04
15.500	0.04	0.04	0.04	0.04	0.04
15.750	0.04	0.04	0.04	0.04	0.04
16.000	0.04	0.04	0.04	0.04	0.04
16.250	0.04	0.04	0.04	0.04	0.04
16.500	0.04	0.03	0.03	0.03	0.03
16.750	0.03	0.03	0.03	0.03	0.03
17.000	0.03	0.03	0.03	0.03	0.03
17.250	0.03	0.03	0.03	0.03	0.03
17.500	0.03	0.03	0.03	0.03	0.03
17.750	0.03	0.03	0.03	0.03	0.03
18.000	0.03	0.03	0.03	0.03	0.03
18.250	0.03	0.03	0.03	0.03	0.03
18.500	0.03	0.03	0.03	0.03	0.03
18.750	0.03	0.03	0.03	0.03	0.03
19.000	0.03	0.03	0.03	0.03	0.02
19.250	0.02	0.02	0.02	0.02	0.02
19.500	0.02	0.02	0.02	0.02	0.02
19.750	0.02	0.02	0.02	0.02	0.02
20.000	0.02	0.02	0.02	0.02	0.02
20.250	0.02	0.02	0.02	0.02	0.02
20.500	0.02	0.02	0.02	0.02	0.02
20.750	0.02	0.02	0.02	0.02	0.02
21.000	0.02	0.02	0.02	0.02	0.02
21.250	0.02	0.02	0.02	0.02	0.02
21.500	0.02	0.02	0.02	0.02	0.02
21.750	0.02	0.02	0.02	0.02	0.02
22.000	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Trench 3 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.250	0.02	0.02	0.02	0.02	0.02
22.500	0.02	0.02	0.02	0.02	0.02
22.750	0.02	0.02	0.02	0.02	0.02
23.000	0.02	0.02	0.02	0.02	0.02
23.250	0.02	0.02	0.02	0.02	0.02
23.500	0.02	0.02	0.02	0.02	0.02
23.750	0.02	0.02	0.02	0.02	0.02
24.000	0.02	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Trench 3 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	2.15 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	3,870.780 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	1.02	2.15	1.59	1.55
12.150	0.99	0.79	0.57	0.44	0.37
12.400	0.32	0.28	0.25	0.22	0.20
12.650	0.19	0.17	0.16	0.16	0.15
12.900	0.15	0.14	0.14	0.13	0.13
13.150	0.12	0.12	0.12	0.11	0.11
13.400	0.11	0.10	0.10	0.10	0.10
13.650	0.09	0.09	0.09	0.09	0.09
13.900	0.08	0.08	0.08	0.08	0.08
14.150	0.07	0.07	0.07	0.07	0.07
14.400	0.07	0.07	0.07	0.07	0.07
14.650	0.07	0.07	0.07	0.06	0.06
14.900	0.06	0.06	0.06	0.06	0.06
15.150	0.06	0.06	0.06	0.06	0.06
15.400	0.06	0.06	0.06	0.06	0.06
15.650	0.05	0.05	0.05	0.05	0.05
15.900	0.05	0.05	0.05	0.05	0.05
16.150	0.05	0.05	0.05	0.05	0.05
16.400	0.05	0.05	0.05	0.04	0.04
16.650	0.04	0.04	0.04	0.04	0.04
16.900	0.04	0.04	0.04	0.04	0.04
17.150	0.04	0.04	0.04	0.04	0.04
17.400	0.04	0.04	0.04	0.04	0.04
17.650	0.04	0.04	0.04	0.04	0.04
17.900	0.04	0.04	0.04	0.04	0.04
18.150	0.04	0.04	0.04	0.04	0.04
18.400	0.04	0.04	0.04	0.04	0.03
18.650	0.03	0.03	0.03	0.03	0.03
18.900	0.03	0.03	0.03	0.03	0.03
19.150	0.03	0.03	0.03	0.03	0.03
19.400	0.03	0.03	0.03	0.03	0.03
19.650	0.03	0.03	0.03	0.03	0.03
19.900	0.03	0.03	0.03	0.03	0.03
20.150	0.03	0.03	0.03	0.03	0.03
20.400	0.03	0.03	0.03	0.03	0.03
20.650	0.03	0.03	0.03	0.03	0.03
20.900	0.03	0.03	0.03	0.03	0.03
21.150	0.03	0.03	0.03	0.03	0.03
21.400	0.03	0.03	0.03	0.03	0.03
21.650	0.03	0.03	0.03	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 3 (OUT)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Trench 3 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	2.33 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	5,152.748 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.18	1.81	1.93	2.33
12.050	2.15	1.81	1.27	0.89	0.71
12.300	0.54	0.45	0.39	0.34	0.30
12.550	0.27	0.25	0.23	0.21	0.20
12.800	0.19	0.18	0.18	0.17	0.16
13.050	0.16	0.15	0.15	0.14	0.14
13.300	0.14	0.13	0.13	0.13	0.12
13.550	0.12	0.12	0.11	0.11	0.11
13.800	0.11	0.10	0.10	0.10	0.10
14.050	0.09	0.09	0.09	0.09	0.09
14.300	0.09	0.09	0.08	0.08	0.08
14.550	0.08	0.08	0.08	0.08	0.08
14.800	0.08	0.08	0.08	0.08	0.07
15.050	0.07	0.07	0.07	0.07	0.07
15.300	0.07	0.07	0.07	0.07	0.07
15.550	0.07	0.07	0.06	0.06	0.06
15.800	0.06	0.06	0.06	0.06	0.06
16.050	0.06	0.06	0.06	0.06	0.06
16.300	0.06	0.06	0.06	0.05	0.05
16.550	0.05	0.05	0.05	0.05	0.05
16.800	0.05	0.05	0.05	0.05	0.05
17.050	0.05	0.05	0.05	0.05	0.05
17.300	0.05	0.05	0.05	0.05	0.05
17.550	0.05	0.05	0.05	0.05	0.05
17.800	0.05	0.05	0.05	0.05	0.05
18.050	0.05	0.04	0.04	0.04	0.04
18.300	0.04	0.04	0.04	0.04	0.04
18.550	0.04	0.04	0.04	0.04	0.04
18.800	0.04	0.04	0.04	0.04	0.04
19.050	0.04	0.04	0.04	0.04	0.04
19.300	0.04	0.04	0.04	0.04	0.04
19.550	0.04	0.04	0.04	0.04	0.04
19.800	0.03	0.03	0.03	0.03	0.03
20.050	0.03	0.03	0.03	0.03	0.03
20.300	0.03	0.03	0.03	0.03	0.03
20.550	0.03	0.03	0.03	0.03	0.03
20.800	0.03	0.03	0.03	0.03	0.03
21.050	0.03	0.03	0.03	0.03	0.03
21.300	0.03	0.03	0.03	0.03	0.03
21.550	0.03	0.03	0.03	0.03	0.03
21.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 3 (OUT)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.03	0.03	0.03	0.03	0.03
22.300	0.03	0.03	0.03	0.03	0.03
22.550	0.03	0.03	0.03	0.03	0.03
22.800	0.03	0.03	0.03	0.03	0.03
23.050	0.03	0.03	0.03	0.03	0.03
23.300	0.03	0.03	0.03	0.03	0.03
23.550	0.03	0.03	0.03	0.03	0.03
23.800	0.03	0.03	0.03	0.03	0.03

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Trench 3 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	2.81 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	6,707.534 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.700	0.00	0.33	1.09	1.46	2.00
11.950	2.54	2.81	2.69	2.20	1.57
12.200	1.07	0.82	0.67	0.55	0.47
12.450	0.41	0.37	0.33	0.30	0.27
12.700	0.26	0.24	0.23	0.22	0.21
12.950	0.21	0.20	0.19	0.19	0.18
13.200	0.17	0.17	0.16	0.16	0.16
13.450	0.15	0.15	0.14	0.14	0.14
13.700	0.13	0.13	0.13	0.12	0.12
13.950	0.12	0.12	0.11	0.11	0.11
14.200	0.11	0.11	0.10	0.10	0.10
14.450	0.10	0.10	0.10	0.10	0.10
14.700	0.10	0.10	0.09	0.09	0.09
14.950	0.09	0.09	0.09	0.09	0.09
15.200	0.09	0.09	0.08	0.08	0.08
15.450	0.08	0.08	0.08	0.08	0.08
15.700	0.08	0.08	0.07	0.07	0.07
15.950	0.07	0.07	0.07	0.07	0.07
16.200	0.07	0.07	0.07	0.07	0.07
16.450	0.06	0.06	0.06	0.06	0.06
16.700	0.06	0.06	0.06	0.06	0.06
16.950	0.06	0.06	0.06	0.06	0.06
17.200	0.06	0.06	0.06	0.06	0.06
17.450	0.06	0.06	0.06	0.06	0.06
17.700	0.06	0.06	0.06	0.06	0.06
17.950	0.06	0.05	0.05	0.05	0.05
18.200	0.05	0.05	0.05	0.05	0.05
18.450	0.05	0.05	0.05	0.05	0.05
18.700	0.05	0.05	0.05	0.05	0.05
18.950	0.05	0.05	0.05	0.05	0.05
19.200	0.05	0.05	0.05	0.05	0.04
19.450	0.04	0.04	0.04	0.04	0.04
19.700	0.04	0.04	0.04	0.04	0.04
19.950	0.04	0.04	0.04	0.04	0.04
20.200	0.04	0.04	0.04	0.04	0.04
20.450	0.04	0.04	0.04	0.04	0.04
20.700	0.04	0.04	0.04	0.04	0.04
20.950	0.04	0.04	0.04	0.04	0.04
21.200	0.04	0.04	0.04	0.04	0.04
21.450	0.04	0.04	0.04	0.04	0.04
21.700	0.04	0.04	0.04	0.04	0.04

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Trench 3 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.950	0.04	0.04	0.04	0.04	0.04
22.200	0.04	0.04	0.04	0.04	0.04
22.450	0.04	0.04	0.03	0.03	0.03
22.700	0.03	0.03	0.03	0.03	0.03
22.950	0.03	0.03	0.03	0.03	0.03
23.200	0.03	0.03	0.03	0.03	0.03
23.450	0.03	0.03	0.03	0.03	0.03
23.700	0.03	0.03	0.03	0.03	0.03
23.950	0.03	0.03	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 3 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Summary for Hydrograph Addition at 'Trench 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-3

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-3	1,437.783	12.000	0.51
Flow (In)	Trench 3	1,437.783	12.000	0.51

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 3 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Summary for Hydrograph Addition at 'Trench 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-3

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-3	2,004.189	12.000	0.72
Flow (In)	Trench 3	2,004.189	12.000	0.72

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 3 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Summary for Hydrograph Addition at 'Trench 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-3

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-3	2,902.248	12.000	1.05
Flow (In)	Trench 3	2,902.248	12.000	1.05

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 3 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Summary for Hydrograph Addition at 'Trench 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-3

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-3	3,733.216	12.000	1.36
Flow (In)	Trench 3	3,733.216	12.000	1.36

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 3 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Summary for Hydrograph Addition at 'Trench 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-3

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-3	5,074.904	12.000	1.83
Flow (In)	Trench 3	5,074.904	12.000	1.83

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 3 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Summary for Hydrograph Addition at 'Trench 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-3

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-3	6,359.437	12.000	2.28
Flow (In)	Trench 3	6,359.437	12.000	2.28

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 3 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Summary for Hydrograph Addition at 'Trench 3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-3

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-3	7,917.245	12.000	2.82
Flow (In)	Trench 3	7,917.245	12.000	2.82

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 1 years

Label: Trench 4

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.35	0.00	0.000	1,295	0.00	0.00	0.00
520.45	0.00	51.800	1,295	0.00	0.00	0.58
520.55	0.00	103.600	1,295	0.00	0.00	1.15
520.65	0.00	155.400	1,295	0.00	0.00	1.73
520.75	0.00	207.200	1,295	0.00	0.00	2.30
520.85	0.00	259.000	1,295	0.00	0.00	2.88
520.95	0.12	310.800	1,295	0.00	0.12	3.58
521.05	0.69	362.600	1,295	0.00	0.69	4.72
521.15	1.90	414.400	1,295	0.00	1.90	6.51
521.25	3.90	466.200	1,295	0.00	3.90	9.08
521.35	6.82	518.000	1,295	0.00	6.82	12.58
521.45	10.76	569.800	1,295	0.00	10.76	17.09
521.55	15.82	621.600	1,295	0.00	15.82	22.73
521.65	22.09	673.400	1,295	0.00	22.09	29.57
521.75	29.65	725.200	1,295	0.00	29.65	37.71
521.85	38.59	777.000	1,295	0.00	38.59	47.22
521.95	48.97	828.800	1,295	0.00	48.97	58.18
522.05	60.87	880.600	1,295	0.00	60.87	70.65
522.15	74.35	932.400	1,295	0.00	74.35	84.71
522.25	89.49	984.200	1,295	0.00	89.49	100.42
522.35	106.33	1,036.000	1,295	0.00	106.33	117.84
522.45	124.95	1,087.800	1,295	0.00	124.95	137.04
522.55	145.40	1,139.600	1,295	0.00	145.40	158.06
522.65	167.73	1,191.400	1,295	0.00	167.73	180.97
522.75	192.01	1,243.200	1,295	0.00	192.01	205.82
522.85	218.28	1,295.000	1,295	0.00	218.28	232.67
522.95	246.60	1,346.800	1,295	0.00	246.60	261.56
523.05	277.01	1,398.600	1,295	0.00	277.01	292.55
523.15	309.57	1,450.400	1,295	0.00	309.57	325.69
523.25	344.32	1,502.200	1,295	0.00	344.32	361.01
523.35	381.32	1,554.000	1,295	0.00	381.32	398.59

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 2 years

Label: Trench 4

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.35	0.00	0.000	1,295	0.00	0.00	0.00
520.45	0.00	51.800	1,295	0.00	0.00	0.58
520.55	0.00	103.600	1,295	0.00	0.00	1.15
520.65	0.00	155.400	1,295	0.00	0.00	1.73
520.75	0.00	207.200	1,295	0.00	0.00	2.30
520.85	0.00	259.000	1,295	0.00	0.00	2.88
520.95	0.12	310.800	1,295	0.00	0.12	3.58
521.05	0.69	362.600	1,295	0.00	0.69	4.72
521.15	1.90	414.400	1,295	0.00	1.90	6.51
521.25	3.90	466.200	1,295	0.00	3.90	9.08
521.35	6.82	518.000	1,295	0.00	6.82	12.58
521.45	10.76	569.800	1,295	0.00	10.76	17.09
521.55	15.82	621.600	1,295	0.00	15.82	22.73
521.65	22.09	673.400	1,295	0.00	22.09	29.57
521.75	29.65	725.200	1,295	0.00	29.65	37.71
521.85	38.59	777.000	1,295	0.00	38.59	47.22
521.95	48.97	828.800	1,295	0.00	48.97	58.18
522.05	60.87	880.600	1,295	0.00	60.87	70.65
522.15	74.35	932.400	1,295	0.00	74.35	84.71
522.25	89.49	984.200	1,295	0.00	89.49	100.42
522.35	106.33	1,036.000	1,295	0.00	106.33	117.84
522.45	124.95	1,087.800	1,295	0.00	124.95	137.04
522.55	145.40	1,139.600	1,295	0.00	145.40	158.06
522.65	167.73	1,191.400	1,295	0.00	167.73	180.97
522.75	192.01	1,243.200	1,295	0.00	192.01	205.82
522.85	218.28	1,295.000	1,295	0.00	218.28	232.67
522.95	246.60	1,346.800	1,295	0.00	246.60	261.56
523.05	277.01	1,398.600	1,295	0.00	277.01	292.55
523.15	309.57	1,450.400	1,295	0.00	309.57	325.69
523.25	344.32	1,502.200	1,295	0.00	344.32	361.01
523.35	381.32	1,554.000	1,295	0.00	381.32	398.59

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 5 years

Label: Trench 4

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.35	0.00	0.000	1,295	0.00	0.00	0.00
520.45	0.00	51.800	1,295	0.00	0.00	0.58
520.55	0.00	103.600	1,295	0.00	0.00	1.15
520.65	0.00	155.400	1,295	0.00	0.00	1.73
520.75	0.00	207.200	1,295	0.00	0.00	2.30
520.85	0.00	259.000	1,295	0.00	0.00	2.88
520.95	0.12	310.800	1,295	0.00	0.12	3.58
521.05	0.69	362.600	1,295	0.00	0.69	4.72
521.15	1.90	414.400	1,295	0.00	1.90	6.51
521.25	3.90	466.200	1,295	0.00	3.90	9.08
521.35	6.82	518.000	1,295	0.00	6.82	12.58
521.45	10.76	569.800	1,295	0.00	10.76	17.09
521.55	15.82	621.600	1,295	0.00	15.82	22.73
521.65	22.09	673.400	1,295	0.00	22.09	29.57
521.75	29.65	725.200	1,295	0.00	29.65	37.71
521.85	38.59	777.000	1,295	0.00	38.59	47.22
521.95	48.97	828.800	1,295	0.00	48.97	58.18
522.05	60.87	880.600	1,295	0.00	60.87	70.65
522.15	74.35	932.400	1,295	0.00	74.35	84.71
522.25	89.49	984.200	1,295	0.00	89.49	100.42
522.35	106.33	1,036.000	1,295	0.00	106.33	117.84
522.45	124.95	1,087.800	1,295	0.00	124.95	137.04
522.55	145.40	1,139.600	1,295	0.00	145.40	158.06
522.65	167.73	1,191.400	1,295	0.00	167.73	180.97
522.75	192.01	1,243.200	1,295	0.00	192.01	205.82
522.85	218.28	1,295.000	1,295	0.00	218.28	232.67
522.95	246.60	1,346.800	1,295	0.00	246.60	261.56
523.05	277.01	1,398.600	1,295	0.00	277.01	292.55
523.15	309.57	1,450.400	1,295	0.00	309.57	325.69
523.25	344.32	1,502.200	1,295	0.00	344.32	361.01
523.35	381.32	1,554.000	1,295	0.00	381.32	398.59

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 10 years

Label: Trench 4

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.35	0.00	0.000	1,295	0.00	0.00	0.00
520.45	0.00	51.800	1,295	0.00	0.00	0.58
520.55	0.00	103.600	1,295	0.00	0.00	1.15
520.65	0.00	155.400	1,295	0.00	0.00	1.73
520.75	0.00	207.200	1,295	0.00	0.00	2.30
520.85	0.00	259.000	1,295	0.00	0.00	2.88
520.95	0.12	310.800	1,295	0.00	0.12	3.58
521.05	0.69	362.600	1,295	0.00	0.69	4.72
521.15	1.90	414.400	1,295	0.00	1.90	6.51
521.25	3.90	466.200	1,295	0.00	3.90	9.08
521.35	6.82	518.000	1,295	0.00	6.82	12.58
521.45	10.76	569.800	1,295	0.00	10.76	17.09
521.55	15.82	621.600	1,295	0.00	15.82	22.73
521.65	22.09	673.400	1,295	0.00	22.09	29.57
521.75	29.65	725.200	1,295	0.00	29.65	37.71
521.85	38.59	777.000	1,295	0.00	38.59	47.22
521.95	48.97	828.800	1,295	0.00	48.97	58.18
522.05	60.87	880.600	1,295	0.00	60.87	70.65
522.15	74.35	932.400	1,295	0.00	74.35	84.71
522.25	89.49	984.200	1,295	0.00	89.49	100.42
522.35	106.33	1,036.000	1,295	0.00	106.33	117.84
522.45	124.95	1,087.800	1,295	0.00	124.95	137.04
522.55	145.40	1,139.600	1,295	0.00	145.40	158.06
522.65	167.73	1,191.400	1,295	0.00	167.73	180.97
522.75	192.01	1,243.200	1,295	0.00	192.01	205.82
522.85	218.28	1,295.000	1,295	0.00	218.28	232.67
522.95	246.60	1,346.800	1,295	0.00	246.60	261.56
523.05	277.01	1,398.600	1,295	0.00	277.01	292.55
523.15	309.57	1,450.400	1,295	0.00	309.57	325.69
523.25	344.32	1,502.200	1,295	0.00	344.32	361.01
523.35	381.32	1,554.000	1,295	0.00	381.32	398.59

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 25 years

Label: Trench 4

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.35	0.00	0.000	1,295	0.00	0.00	0.00
520.45	0.00	51.800	1,295	0.00	0.00	0.58
520.55	0.00	103.600	1,295	0.00	0.00	1.15
520.65	0.00	155.400	1,295	0.00	0.00	1.73
520.75	0.00	207.200	1,295	0.00	0.00	2.30
520.85	0.00	259.000	1,295	0.00	0.00	2.88
520.95	0.12	310.800	1,295	0.00	0.12	3.58
521.05	0.69	362.600	1,295	0.00	0.69	4.72
521.15	1.90	414.400	1,295	0.00	1.90	6.51
521.25	3.90	466.200	1,295	0.00	3.90	9.08
521.35	6.82	518.000	1,295	0.00	6.82	12.58
521.45	10.76	569.800	1,295	0.00	10.76	17.09
521.55	15.82	621.600	1,295	0.00	15.82	22.73
521.65	22.09	673.400	1,295	0.00	22.09	29.57
521.75	29.65	725.200	1,295	0.00	29.65	37.71
521.85	38.59	777.000	1,295	0.00	38.59	47.22
521.95	48.97	828.800	1,295	0.00	48.97	58.18
522.05	60.87	880.600	1,295	0.00	60.87	70.65
522.15	74.35	932.400	1,295	0.00	74.35	84.71
522.25	89.49	984.200	1,295	0.00	89.49	100.42
522.35	106.33	1,036.000	1,295	0.00	106.33	117.84
522.45	124.95	1,087.800	1,295	0.00	124.95	137.04
522.55	145.40	1,139.600	1,295	0.00	145.40	158.06
522.65	167.73	1,191.400	1,295	0.00	167.73	180.97
522.75	192.01	1,243.200	1,295	0.00	192.01	205.82
522.85	218.28	1,295.000	1,295	0.00	218.28	232.67
522.95	246.60	1,346.800	1,295	0.00	246.60	261.56
523.05	277.01	1,398.600	1,295	0.00	277.01	292.55
523.15	309.57	1,450.400	1,295	0.00	309.57	325.69
523.25	344.32	1,502.200	1,295	0.00	344.32	361.01
523.35	381.32	1,554.000	1,295	0.00	381.32	398.59

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 50 years

Label: Trench 4

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.35	0.00	0.000	1,295	0.00	0.00	0.00
520.45	0.00	51.800	1,295	0.00	0.00	0.58
520.55	0.00	103.600	1,295	0.00	0.00	1.15
520.65	0.00	155.400	1,295	0.00	0.00	1.73
520.75	0.00	207.200	1,295	0.00	0.00	2.30
520.85	0.00	259.000	1,295	0.00	0.00	2.88
520.95	0.12	310.800	1,295	0.00	0.12	3.58
521.05	0.69	362.600	1,295	0.00	0.69	4.72
521.15	1.90	414.400	1,295	0.00	1.90	6.51
521.25	3.90	466.200	1,295	0.00	3.90	9.08
521.35	6.82	518.000	1,295	0.00	6.82	12.58
521.45	10.76	569.800	1,295	0.00	10.76	17.09
521.55	15.82	621.600	1,295	0.00	15.82	22.73
521.65	22.09	673.400	1,295	0.00	22.09	29.57
521.75	29.65	725.200	1,295	0.00	29.65	37.71
521.85	38.59	777.000	1,295	0.00	38.59	47.22
521.95	48.97	828.800	1,295	0.00	48.97	58.18
522.05	60.87	880.600	1,295	0.00	60.87	70.65
522.15	74.35	932.400	1,295	0.00	74.35	84.71
522.25	89.49	984.200	1,295	0.00	89.49	100.42
522.35	106.33	1,036.000	1,295	0.00	106.33	117.84
522.45	124.95	1,087.800	1,295	0.00	124.95	137.04
522.55	145.40	1,139.600	1,295	0.00	145.40	158.06
522.65	167.73	1,191.400	1,295	0.00	167.73	180.97
522.75	192.01	1,243.200	1,295	0.00	192.01	205.82
522.85	218.28	1,295.000	1,295	0.00	218.28	232.67
522.95	246.60	1,346.800	1,295	0.00	246.60	261.56
523.05	277.01	1,398.600	1,295	0.00	277.01	292.55
523.15	309.57	1,450.400	1,295	0.00	309.57	325.69
523.25	344.32	1,502.200	1,295	0.00	344.32	361.01
523.35	381.32	1,554.000	1,295	0.00	381.32	398.59

Post-Development Conditions

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 100 years

Label: Trench 4

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (ft ²)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
520.35	0.00	0.000	1,295	0.00	0.00	0.00
520.45	0.00	51.800	1,295	0.00	0.00	0.58
520.55	0.00	103.600	1,295	0.00	0.00	1.15
520.65	0.00	155.400	1,295	0.00	0.00	1.73
520.75	0.00	207.200	1,295	0.00	0.00	2.30
520.85	0.00	259.000	1,295	0.00	0.00	2.88
520.95	0.12	310.800	1,295	0.00	0.12	3.58
521.05	0.69	362.600	1,295	0.00	0.69	4.72
521.15	1.90	414.400	1,295	0.00	1.90	6.51
521.25	3.90	466.200	1,295	0.00	3.90	9.08
521.35	6.82	518.000	1,295	0.00	6.82	12.58
521.45	10.76	569.800	1,295	0.00	10.76	17.09
521.55	15.82	621.600	1,295	0.00	15.82	22.73
521.65	22.09	673.400	1,295	0.00	22.09	29.57
521.75	29.65	725.200	1,295	0.00	29.65	37.71
521.85	38.59	777.000	1,295	0.00	38.59	47.22
521.95	48.97	828.800	1,295	0.00	48.97	58.18
522.05	60.87	880.600	1,295	0.00	60.87	70.65
522.15	74.35	932.400	1,295	0.00	74.35	84.71
522.25	89.49	984.200	1,295	0.00	89.49	100.42
522.35	106.33	1,036.000	1,295	0.00	106.33	117.84
522.45	124.95	1,087.800	1,295	0.00	124.95	137.04
522.55	145.40	1,139.600	1,295	0.00	145.40	158.06
522.65	167.73	1,191.400	1,295	0.00	167.73	180.97
522.75	192.01	1,243.200	1,295	0.00	192.01	205.82
522.85	218.28	1,295.000	1,295	0.00	218.28	232.67
522.95	246.60	1,346.800	1,295	0.00	246.60	261.56
523.05	277.01	1,398.600	1,295	0.00	277.01	292.55
523.15	309.57	1,450.400	1,295	0.00	309.57	325.69
523.25	344.32	1,502.200	1,295	0.00	344.32	361.01
523.35	381.32	1,554.000	1,295	0.00	381.32	398.59

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 4 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.35 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.34 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.18 ft ³ /s	Time to Peak (Flow, Outlet)	12.100 hours
Peak Conditions			
Elevation (Water Surface, Peak)	520.96 ft		
Volume (Peak)	315.912 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	871.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	609.000 ft ³		
Volume (Retained)	260.000 ft ³		
Volume (Unrouted)	-1.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 4 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.35 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.46 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.43 ft ³ /s	Time to Peak (Flow, Outlet)	12.050 hours
Peak Conditions			
Elevation (Water Surface, Peak)	521.01 ft		
Volume (Peak)	339.312 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	1,203.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	942.000 ft ³		
Volume (Retained)	261.000 ft ³		
Volume (Unrouted)	-1.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 4 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.35 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.67 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.66 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	521.05 ft		
Volume (Peak)	360.275 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	1,728.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	1,466.000 ft ³		
Volume (Retained)	261.000 ft ³		
Volume (Unrouted)	-1.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 4 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.35 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.86 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	0.86 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	521.06 ft		
Volume (Peak)	369.843 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	2,212.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	1,949.000 ft ³		
Volume (Retained)	262.000 ft ³		
Volume (Unrouted)	-2.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 4 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.35 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.15 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	1.14 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	521.09 ft		
Volume (Peak)	381.872 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	2,990.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	2,726.000 ft ³		
Volume (Retained)	263.000 ft ³		
Volume (Unrouted)	-2.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 4 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Infiltration

Infiltration Method (Computed)	No Infiltration
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Initial Conditions

Elevation (Water Surface, Initial)	520.35 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.43 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	1.41 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	521.11 ft
Volume (Peak)	393.567 ft ³

Mass Balance (ft³)

Volume (Initial)	0.000 ft ³
Volume (Total Inflow)	3,734.000 ft ³
Volume (Total Infiltration)	0.000 ft ³
Volume (Total Outlet Outflow)	3,468.000 ft ³
Volume (Retained)	263.000 ft ³
Volume (Unrouted)	-2.000 ft ³
Error (Mass Balance)	0.1 %

Post-Development Conditions

Subsection: Level Pool Pond Routing Summary

Label: Trench 4 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Water Surface, Initial)	520.35 ft		
Volume (Initial)	0.000 ft ³		
Flow (Initial Outlet)	0.00 ft ³ /s		
Flow (Initial Infiltration)	0.00 ft ³ /s		
Flow (Initial, Total)	0.00 ft ³ /s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.76 ft ³ /s	Time to Peak (Flow, In)	11.950 hours
Flow (Peak Outlet)	1.73 ft ³ /s	Time to Peak (Flow, Outlet)	12.000 hours
Peak Conditions			
Elevation (Water Surface, Peak)	521.14 ft		
Volume (Peak)	407.173 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	4,633.000 ft ³		
Volume (Total Infiltration)	0.000 ft ³		
Volume (Total Outlet Outflow)	4,366.000 ft ³		
Volume (Retained)	264.000 ft ³		
Volume (Unrouted)	-3.000 ft ³		
Error (Mass Balance)	0.1 %		

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 1 years

Label: Trench 4 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

Peak Discharge	0.18 ft ³ /s
Time to Peak	12.100 hours
Hydrograph Volume	609.423 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
12.000	0.00	0.08	0.18	0.16	0.12
12.250	0.10	0.09	0.08	0.07	0.06
12.500	0.06	0.05	0.05	0.04	0.04
12.750	0.04	0.03	0.03	0.03	0.03
13.000	0.03	0.03	0.03	0.03	0.02
13.250	0.02	0.02	0.02	0.02	0.02
13.500	0.02	0.02	0.02	0.02	0.02
13.750	0.02	0.02	0.02	0.02	0.02
14.000	0.02	0.02	0.02	0.02	0.02
14.250	0.02	0.01	0.01	0.01	0.01
14.500	0.01	0.01	0.01	0.01	0.01
14.750	0.01	0.01	0.01	0.01	0.01
15.000	0.01	0.01	0.01	0.01	0.01
15.250	0.01	0.01	0.01	0.01	0.01
15.500	0.01	0.01	0.01	0.01	0.01
15.750	0.01	0.01	0.01	0.01	0.01
16.000	0.01	0.01	0.01	0.01	0.01
16.250	0.01	0.01	0.01	0.01	0.01
16.500	0.01	0.01	0.01	0.01	0.01
16.750	0.01	0.01	0.01	0.01	0.01
17.000	0.01	0.01	0.01	0.01	0.01
17.250	0.01	0.01	0.01	0.01	0.01
17.500	0.01	0.01	0.01	0.01	0.01
17.750	0.01	0.01	0.01	0.01	0.01
18.000	0.01	0.01	0.01	0.01	0.01
18.250	0.01	0.01	0.01	0.01	0.01
18.500	0.01	0.01	0.01	0.01	0.01
18.750	0.01	0.01	0.01	0.01	0.01
19.000	0.01	0.01	0.01	0.01	0.01
19.250	0.01	0.01	0.01	0.01	0.01
19.500	0.01	0.01	0.01	0.01	0.01
19.750	0.01	0.01	0.01	0.01	0.01
20.000	0.01	0.01	0.01	0.01	0.01
20.250	0.01	0.01	0.01	0.01	0.01
20.500	0.01	0.01	0.01	0.01	0.01
20.750	0.01	0.01	0.01	0.01	0.01
21.000	0.01	0.01	0.01	0.01	0.01
21.250	0.01	0.01	0.01	0.01	0.01
21.500	0.01	0.01	0.01	0.01	0.01
21.750	0.01	0.01	0.01	0.01	0.01
22.000	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 1 years

Label: Trench 4 (OUT)

Storm Event: 1-YR

Scenario: Post-Development 1-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.250	0.01	0.01	0.01	0.01	0.01
22.500	0.01	0.01	0.01	0.01	0.01
22.750	0.01	0.01	0.01	0.01	0.01
23.000	0.01	0.01	0.01	0.01	0.01
23.250	0.01	0.01	0.01	0.01	0.01
23.500	0.01	0.01	0.01	0.01	0.01
23.750	0.01	0.00	0.00	0.00	0.00
24.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Trench 4 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

Peak Discharge	0.43 ft ³ /s
Time to Peak	12.050 hours
Hydrograph Volume	941.741 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.900	0.00	0.07	0.36	0.43	0.34
12.150	0.22	0.15	0.12	0.11	0.10
12.400	0.09	0.08	0.07	0.07	0.06
12.650	0.06	0.05	0.05	0.05	0.04
12.900	0.04	0.04	0.04	0.04	0.04
13.150	0.03	0.03	0.03	0.03	0.03
13.400	0.03	0.03	0.03	0.03	0.03
13.650	0.03	0.03	0.02	0.02	0.02
13.900	0.02	0.02	0.02	0.02	0.02
14.150	0.02	0.02	0.02	0.02	0.02
14.400	0.02	0.02	0.02	0.02	0.02
14.650	0.02	0.02	0.02	0.02	0.02
14.900	0.02	0.02	0.02	0.02	0.02
15.150	0.02	0.02	0.02	0.02	0.02
15.400	0.02	0.02	0.02	0.02	0.01
15.650	0.01	0.01	0.01	0.01	0.01
15.900	0.01	0.01	0.01	0.01	0.01
16.150	0.01	0.01	0.01	0.01	0.01
16.400	0.01	0.01	0.01	0.01	0.01
16.650	0.01	0.01	0.01	0.01	0.01
16.900	0.01	0.01	0.01	0.01	0.01
17.150	0.01	0.01	0.01	0.01	0.01
17.400	0.01	0.01	0.01	0.01	0.01
17.650	0.01	0.01	0.01	0.01	0.01
17.900	0.01	0.01	0.01	0.01	0.01
18.150	0.01	0.01	0.01	0.01	0.01
18.400	0.01	0.01	0.01	0.01	0.01
18.650	0.01	0.01	0.01	0.01	0.01
18.900	0.01	0.01	0.01	0.01	0.01
19.150	0.01	0.01	0.01	0.01	0.01
19.400	0.01	0.01	0.01	0.01	0.01
19.650	0.01	0.01	0.01	0.01	0.01
19.900	0.01	0.01	0.01	0.01	0.01
20.150	0.01	0.01	0.01	0.01	0.01
20.400	0.01	0.01	0.01	0.01	0.01
20.650	0.01	0.01	0.01	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 2 years

Label: Trench 4 (OUT)

Storm Event: 2-YR

Scenario: Post-Development 2-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 5 years

Label: Trench 4 (OUT)

Storm Event: 5-YR

Scenario: Post-Development 5-Year Storm

Peak Discharge	0.66 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	1,465.805 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.800	0.00	0.05	0.33	0.61	0.66
12.050	0.62	0.48	0.31	0.20	0.15
12.300	0.12	0.12	0.11	0.10	0.10
12.550	0.09	0.08	0.07	0.07	0.07
12.800	0.06	0.06	0.06	0.05	0.05
13.050	0.05	0.05	0.05	0.04	0.04
13.300	0.04	0.04	0.04	0.04	0.04
13.550	0.04	0.04	0.04	0.03	0.03
13.800	0.03	0.03	0.03	0.03	0.03
14.050	0.03	0.03	0.03	0.03	0.03
14.300	0.03	0.03	0.03	0.03	0.03
14.550	0.03	0.02	0.02	0.02	0.02
14.800	0.02	0.02	0.02	0.02	0.02
15.050	0.02	0.02	0.02	0.02	0.02
15.300	0.02	0.02	0.02	0.02	0.02
15.550	0.02	0.02	0.02	0.02	0.02
15.800	0.02	0.02	0.02	0.02	0.02
16.050	0.02	0.02	0.02	0.02	0.02
16.300	0.02	0.02	0.02	0.02	0.02
16.550	0.02	0.02	0.02	0.02	0.02
16.800	0.02	0.02	0.02	0.02	0.02
17.050	0.02	0.02	0.02	0.02	0.02
17.300	0.02	0.02	0.01	0.01	0.01
17.550	0.01	0.01	0.01	0.01	0.01
17.800	0.01	0.01	0.01	0.01	0.01
18.050	0.01	0.01	0.01	0.01	0.01
18.300	0.01	0.01	0.01	0.01	0.01
18.550	0.01	0.01	0.01	0.01	0.01
18.800	0.01	0.01	0.01	0.01	0.01
19.050	0.01	0.01	0.01	0.01	0.01
19.300	0.01	0.01	0.01	0.01	0.01
19.550	0.01	0.01	0.01	0.01	0.01
19.800	0.01	0.01	0.01	0.01	0.01
20.050	0.01	0.01	0.01	0.01	0.01
20.300	0.01	0.01	0.01	0.01	0.01
20.550	0.01	0.01	0.01	0.01	0.01
20.800	0.01	0.01	0.01	0.01	0.01
21.050	0.01	0.01	0.01	0.01	0.01
21.300	0.01	0.01	0.01	0.01	0.01
21.550	0.01	0.01	0.01	0.01	0.01
21.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Label: Trench 4 (OUT)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
22.050	0.01	0.01	0.01	0.01	0.01
22.300	0.01	0.01	0.01	0.01	0.01
22.550	0.01	0.01	0.01	0.01	0.01
22.800	0.01	0.01	0.01	0.01	0.01
23.050	0.01	0.01	0.01	0.01	0.01
23.300	0.01	0.01	0.01	0.01	0.01
23.550	0.01	0.01	0.01	0.01	0.01
23.800	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Trench 4 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

Peak Discharge	0.86 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	1,948.726 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.700	0.00	0.03	0.15	0.43	0.60
11.950	0.82	0.86	0.76	0.59	0.39
12.200	0.25	0.19	0.15	0.14	0.12
12.450	0.12	0.11	0.10	0.10	0.09
12.700	0.08	0.08	0.08	0.07	0.07
12.950	0.07	0.06	0.06	0.06	0.06
13.200	0.06	0.05	0.05	0.05	0.05
13.450	0.05	0.05	0.05	0.04	0.04
13.700	0.04	0.04	0.04	0.04	0.04
13.950	0.04	0.04	0.04	0.04	0.03
14.200	0.03	0.03	0.03	0.03	0.03
14.450	0.03	0.03	0.03	0.03	0.03
14.700	0.03	0.03	0.03	0.03	0.03
14.950	0.03	0.03	0.03	0.03	0.03
15.200	0.03	0.03	0.03	0.03	0.03
15.450	0.03	0.03	0.02	0.02	0.02
15.700	0.02	0.02	0.02	0.02	0.02
15.950	0.02	0.02	0.02	0.02	0.02
16.200	0.02	0.02	0.02	0.02	0.02
16.450	0.02	0.02	0.02	0.02	0.02
16.700	0.02	0.02	0.02	0.02	0.02
16.950	0.02	0.02	0.02	0.02	0.02
17.200	0.02	0.02	0.02	0.02	0.02
17.450	0.02	0.02	0.02	0.02	0.02
17.700	0.02	0.02	0.02	0.02	0.02
17.950	0.02	0.02	0.02	0.02	0.02
18.200	0.02	0.02	0.02	0.02	0.02
18.450	0.02	0.02	0.02	0.02	0.02
18.700	0.02	0.02	0.02	0.02	0.01
18.950	0.01	0.01	0.01	0.01	0.01
19.200	0.01	0.01	0.01	0.01	0.01
19.450	0.01	0.01	0.01	0.01	0.01
19.700	0.01	0.01	0.01	0.01	0.01
19.950	0.01	0.01	0.01	0.01	0.01
20.200	0.01	0.01	0.01	0.01	0.01
20.450	0.01	0.01	0.01	0.01	0.01
20.700	0.01	0.01	0.01	0.01	0.01
20.950	0.01	0.01	0.01	0.01	0.01
21.200	0.01	0.01	0.01	0.01	0.01
21.450	0.01	0.01	0.01	0.01	0.01
21.700	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 10 years

Label: Trench 4 (OUT)

Storm Event: 10-YR

Scenario: Post-Development 10-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.950	0.01	0.01	0.01	0.01	0.01
22.200	0.01	0.01	0.01	0.01	0.01
22.450	0.01	0.01	0.01	0.01	0.01
22.700	0.01	0.01	0.01	0.01	0.01
22.950	0.01	0.01	0.01	0.01	0.01
23.200	0.01	0.01	0.01	0.01	0.01
23.450	0.01	0.01	0.01	0.01	0.01
23.700	0.01	0.01	0.01	0.01	0.01
23.950	0.01	0.01	(N/A)	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Trench 4 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

Peak Discharge	1.14 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	2,725.888 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
11.400	0.00	0.02	0.04	0.05	0.07
11.650	0.10	0.19	0.32	0.44	0.59
11.900	0.88	1.13	1.14	1.01	0.73
12.150	0.51	0.33	0.25	0.20	0.18
12.400	0.16	0.14	0.13	0.12	0.12
12.650	0.11	0.11	0.10	0.10	0.09
12.900	0.09	0.09	0.08	0.08	0.08
13.150	0.07	0.07	0.07	0.07	0.07
13.400	0.06	0.06	0.06	0.06	0.06
13.650	0.06	0.05	0.05	0.05	0.05
13.900	0.05	0.05	0.05	0.05	0.05
14.150	0.04	0.04	0.04	0.04	0.04
14.400	0.04	0.04	0.04	0.04	0.04
14.650	0.04	0.04	0.04	0.04	0.04
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.03	0.03	0.03	0.03
15.400	0.03	0.03	0.03	0.03	0.03
15.650	0.03	0.03	0.03	0.03	0.03
15.900	0.03	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.02
16.900	0.02	0.02	0.02	0.02	0.02
17.150	0.02	0.02	0.02	0.02	0.02
17.400	0.02	0.02	0.02	0.02	0.02
17.650	0.02	0.02	0.02	0.02	0.02
17.900	0.02	0.02	0.02	0.02	0.02
18.150	0.02	0.02	0.02	0.02	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.01	0.01
20.900	0.01	0.01	0.01	0.01	0.01
21.150	0.01	0.01	0.01	0.01	0.01
21.400	0.01	0.01	0.01	0.01	0.01

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 25 years

Label: Trench 4 (OUT)

Storm Event: 25-YR

Scenario: Post-Development 25-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.650	0.01	0.01	0.01	0.01	0.01
21.900	0.01	0.01	0.01	0.01	0.01
22.150	0.01	0.01	0.01	0.01	0.01
22.400	0.01	0.01	0.01	0.01	0.01
22.650	0.01	0.01	0.01	0.01	0.01
22.900	0.01	0.01	0.01	0.01	0.01
23.150	0.01	0.01	0.01	0.01	0.01
23.400	0.01	0.01	0.01	0.01	0.01
23.650	0.01	0.01	0.01	0.01	0.01
23.900	0.01	0.01	0.01	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Trench 4 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

Peak Discharge	1.41 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	3,467.972 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.900	0.00	0.00	0.02	0.03	0.04
11.150	0.05	0.06	0.06	0.07	0.07
11.400	0.08	0.08	0.09	0.10	0.11
11.650	0.18	0.29	0.41	0.56	0.78
11.900	1.13	1.39	1.41	1.23	0.89
12.150	0.58	0.41	0.30	0.25	0.22
12.400	0.19	0.18	0.16	0.15	0.13
12.650	0.12	0.12	0.12	0.11	0.11
12.900	0.11	0.10	0.10	0.10	0.09
13.150	0.09	0.09	0.08	0.08	0.08
13.400	0.08	0.08	0.07	0.07	0.07
13.650	0.07	0.07	0.06	0.06	0.06
13.900	0.06	0.06	0.06	0.06	0.05
14.150	0.05	0.05	0.05	0.05	0.05
14.400	0.05	0.05	0.05	0.05	0.05
14.650	0.05	0.05	0.05	0.05	0.05
14.900	0.04	0.04	0.04	0.04	0.04
15.150	0.04	0.04	0.04	0.04	0.04
15.400	0.04	0.04	0.04	0.04	0.04
15.650	0.04	0.04	0.04	0.04	0.04
15.900	0.04	0.03	0.03	0.03	0.03
16.150	0.03	0.03	0.03	0.03	0.03
16.400	0.03	0.03	0.03	0.03	0.03
16.650	0.03	0.03	0.03	0.03	0.03
16.900	0.03	0.03	0.03	0.03	0.03
17.150	0.03	0.03	0.03	0.03	0.03
17.400	0.03	0.03	0.03	0.03	0.03
17.650	0.03	0.03	0.03	0.03	0.03
17.900	0.03	0.03	0.03	0.03	0.03
18.150	0.03	0.03	0.03	0.03	0.02
18.400	0.02	0.02	0.02	0.02	0.02
18.650	0.02	0.02	0.02	0.02	0.02
18.900	0.02	0.02	0.02	0.02	0.02
19.150	0.02	0.02	0.02	0.02	0.02
19.400	0.02	0.02	0.02	0.02	0.02
19.650	0.02	0.02	0.02	0.02	0.02
19.900	0.02	0.02	0.02	0.02	0.02
20.150	0.02	0.02	0.02	0.02	0.02
20.400	0.02	0.02	0.02	0.02	0.02
20.650	0.02	0.02	0.02	0.02	0.02
20.900	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: Trench 4 (OUT)

Storm Event: 50-YR

Scenario: Post-Development 50-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
21.150	0.02	0.02	0.02	0.02	0.02
21.400	0.02	0.02	0.02	0.02	0.02
21.650	0.02	0.02	0.02	0.02	0.02
21.900	0.02	0.02	0.02	0.02	0.02
22.150	0.02	0.02	0.02	0.02	0.02
22.400	0.02	0.02	0.02	0.02	0.02
22.650	0.02	0.02	0.02	0.02	0.02
22.900	0.02	0.02	0.02	0.02	0.02
23.150	0.02	0.02	0.02	0.02	0.02
23.400	0.02	0.02	0.02	0.02	0.02
23.650	0.02	0.02	0.02	0.02	0.02
23.900	0.02	0.02	0.02	(N/A)	(N/A)

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Trench 4 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

Peak Discharge	1.73 ft ³ /s
Time to Peak	12.000 hours
Hydrograph Volume	4,366.214 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
10.300	0.00	0.01	0.02	0.03	0.04
10.550	0.04	0.04	0.05	0.05	0.05
10.800	0.05	0.06	0.06	0.06	0.07
11.050	0.07	0.07	0.08	0.08	0.08
11.300	0.09	0.10	0.10	0.11	0.11
11.550	0.13	0.18	0.26	0.37	0.52
11.800	0.71	1.03	1.39	1.72	1.73
12.050	1.51	1.09	0.66	0.49	0.36
12.300	0.30	0.26	0.23	0.21	0.19
12.550	0.18	0.16	0.15	0.14	0.13
12.800	0.13	0.12	0.12	0.12	0.12
13.050	0.11	0.11	0.11	0.10	0.10
13.300	0.10	0.10	0.09	0.09	0.09
13.550	0.09	0.08	0.08	0.08	0.08
13.800	0.08	0.07	0.07	0.07	0.07
14.050	0.07	0.07	0.06	0.06	0.06
14.300	0.06	0.06	0.06	0.06	0.06
14.550	0.06	0.06	0.06	0.06	0.06
14.800	0.06	0.05	0.05	0.05	0.05
15.050	0.05	0.05	0.05	0.05	0.05
15.300	0.05	0.05	0.05	0.05	0.05
15.550	0.05	0.05	0.05	0.04	0.04
15.800	0.04	0.04	0.04	0.04	0.04
16.050	0.04	0.04	0.04	0.04	0.04
16.300	0.04	0.04	0.04	0.04	0.04
16.550	0.04	0.04	0.04	0.04	0.04
16.800	0.04	0.04	0.04	0.04	0.04
17.050	0.04	0.03	0.03	0.03	0.03
17.300	0.03	0.03	0.03	0.03	0.03
17.550	0.03	0.03	0.03	0.03	0.03
17.800	0.03	0.03	0.03	0.03	0.03
18.050	0.03	0.03	0.03	0.03	0.03
18.300	0.03	0.03	0.03	0.03	0.03
18.550	0.03	0.03	0.03	0.03	0.03
18.800	0.03	0.03	0.03	0.03	0.03
19.050	0.03	0.03	0.03	0.03	0.03
19.300	0.03	0.03	0.03	0.03	0.03
19.550	0.02	0.02	0.02	0.02	0.02
19.800	0.02	0.02	0.02	0.02	0.02
20.050	0.02	0.02	0.02	0.02	0.02
20.300	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Routed Hydrograph (total out)

Return Event: 100 years

Label: Trench 4 (OUT)

Storm Event: 100-YR

Scenario: Post-Development 100-Year Storm

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

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

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
20.550	0.02	0.02	0.02	0.02	0.02
20.800	0.02	0.02	0.02	0.02	0.02
21.050	0.02	0.02	0.02	0.02	0.02
21.300	0.02	0.02	0.02	0.02	0.02
21.550	0.02	0.02	0.02	0.02	0.02
21.800	0.02	0.02	0.02	0.02	0.02
22.050	0.02	0.02	0.02	0.02	0.02
22.300	0.02	0.02	0.02	0.02	0.02
22.550	0.02	0.02	0.02	0.02	0.02
22.800	0.02	0.02	0.02	0.02	0.02
23.050	0.02	0.02	0.02	0.02	0.02
23.300	0.02	0.02	0.02	0.02	0.02
23.550	0.02	0.02	0.02	0.02	0.02
23.800	0.02	0.02	0.02	0.02	0.02

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 4 (IN)

Scenario: Post-Development 1-Year Storm

Return Event: 1 years

Storm Event: 1-YR

Summary for Hydrograph Addition at 'Trench 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-4	870.528	12.000	0.34
Flow (In)	Trench 4	870.528	12.000	0.34

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 4 (IN)

Scenario: Post-Development 2-Year Storm

Return Event: 2 years

Storm Event: 2-YR

Summary for Hydrograph Addition at 'Trench 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-4	1,203.450	12.000	0.46
Flow (In)	Trench 4	1,203.450	12.000	0.46

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 4 (IN)

Scenario: Post-Development 5-Year Storm

Return Event: 5 years

Storm Event: 5-YR

Summary for Hydrograph Addition at 'Trench 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-4	1,728.409	11.950	0.67
Flow (In)	Trench 4	1,728.409	11.950	0.67

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 4 (IN)

Scenario: Post-Development 10-Year Storm

Return Event: 10 years

Storm Event: 10-YR

Summary for Hydrograph Addition at 'Trench 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-4	2,212.113	11.950	0.86
Flow (In)	Trench 4	2,212.113	11.950	0.86

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 4 (IN)

Scenario: Post-Development 25-Year Storm

Return Event: 25 years

Storm Event: 25-YR

Summary for Hydrograph Addition at 'Trench 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-4	2,990.483	11.950	1.15
Flow (In)	Trench 4	2,990.483	11.950	1.15

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 4 (IN)

Scenario: Post-Development 50-Year Storm

Return Event: 50 years

Storm Event: 50-YR

Summary for Hydrograph Addition at 'Trench 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-4	3,733.681	11.950	1.43
Flow (In)	Trench 4	3,733.681	11.950	1.43

Post-Development Conditions

Subsection: Pond Inflow Summary

Label: Trench 4 (IN)

Scenario: Post-Development 100-Year Storm

Return Event: 100 years

Storm Event: 100-YR

Summary for Hydrograph Addition at 'Trench 4'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA-4

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA-4	4,633.237	11.950	1.76
Flow (In)	Trench 4	4,633.237	11.950	1.76

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Appendix C

Water Quality and Recharge Volume Calculations

INFILTRATION BMP DESIGN

PROJECT NAME: MAGICK CAULDRON

LOCATION: SMITHFIELD TOWNSHIP, MONROE COUNTY, PA

DATE: 12/16/22

Facility	Length (ft)	Width (ft)	Depth (ft)	Void Ratio	Volume (CF)
Trench 1	121.5	12.0	3.0	0.4	1749.6
Trench 2	132.0	12.0	3.3	0.4	2090.9
Trench 3	134.0	12.0	3.0	0.4	1929.6
Trench 4	108.0	12.0	3.0	0.4	1555.2
Trench 5	136.5	12.0	3.0	0.4	1965.6
				Total:	9290.9

Facility	Depth (in.)	Infil. Rate (in/hr)	Dewatering Time (hrs)
Trench 1	36.0	0.65	55.4
Trench 2	36.0	0.65	55.4
Trench 3	39.6	3.90	10.2
Trench 4	36.0	3.90	9.2
Trench 5	36.0	3.90	9.2
	Recorded	2 Safety Factor	
TP-1	1.30 in/hr	0.65 in/hr	
TP-2	1.30 in/hr	0.65 in/hr	
TP-3	7.80 in/hr	3.90 in/hr	
TP-4	7.80 in/hr	3.90 in/hr	

Recharge/Water Quality Volume Summary			
Infiltration Volume Provided (CF)	Required Recharge Volume (CF)	Existing 1-Year Volume (CF)	Proposed 1-Year Volume (CF)
9291	621	5402	5992
I	0.597403	Infiltration Requirement (P)	
CN	77.00	CN of Existing Conditions	
Ai	12483.00	Impervious Area (SF)	
Rev	621.45	Recharge Volume (CF)	



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