FINAL ENVIRONMENTAL IMPACT STATEMENT

Letchworth Road Residential Development

Letchworth Road
Town Of Haverstraw
Rockland County, NY

APPENDIX B

STORMWATER POLLUTION PREVENTION PLAN (SWPPP), LAST REVISED 08/15/2025

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Prepared by:

Project 21090

Date: *August 15, 2025*

STORMWATER POLLUTION PREVENTION PLAN

LETCHWORTH ROAD RESIDENTIAL DEVELOPMENT

LETCHWORTH VILLAGE ROAD
HAVERSTRAW, NY

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Date: 01/24/2025
Revised: 02/28/2025
08/15/2025

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Dwg. No.	Title	Rev. No./Date	
C-000	Cover Sheet	3	08/15/2025
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C-200	Site Grading Plan	3	08/15/2025
C-220	Cross Sections	3	08/15/2025
C-300	Site Utilities Plan	3	08/15/2025
C-400	Overall Construction Phasing Plan		08/15/2025
C-401	Site Erosion & Sediment Control Plan – Phase 1A		08/15/2025
C-402	Site Erosion & Sediment Control Plan – Phase 1B		08/15/2025
C-403	Site Erosion & Sediment Control Plan – Phase 2		08/15/2025
C-404	Site Erosion & Sediment Control Plan – Phase 3		08/15/2025
C-900	Construction Details	3	08/15/2025
C-901	Construction Details	3	08/15/2025
C-902	Construction Details	3	08/15/2025
C-903	Construction Details	3	08/15/2025
C-904	Construction Details		08/15/2025
L-100	Overall Landscaping Plan	3	08/15/2025
L-110	Typical Unit Landscaping Plan	3	08/15/2025

I. INTRODUCTION

This Stormwater Pollution Prevention Plan has been prepared for the 27.10-acre Letchworth Residential site, located in Haverstraw, Rockland County**,** New York (hereinafter referred to as the "Site"). The site is bordered by Birch Dr. to the north, Historic Letchworth Village to the south, North Rockland High School to the east, and Stewart Hall to the west. The development has been designed in accordance with the following:

- Requirements of the New York State Department of Environmental Conservation (NYSDEC) SPDES General Permit No. GP-0-25-001, effective January 29, 2025.
- Requirements of the New York State Department of Environmental Conservation Stormwater Management Design Manual, dated July 31, 2024
- Chapter 140 "Soil Erosion and Sediment Control" of the Town of Haverstraw Zoning Code

The applicant is proposing to construct five (5) 18,688 SF apartment buildings, two (2) 20,850 SF apartment buildings, and one (1) 10,265 SF clubhouse for a total of 300 rental apartments as well as associated surface parking and garage spaces located at the bottom of each residential building.

II. STORMWATER MANAGEMENT PLANNING

In order to be eligible for coverage under the NYSDEC SPDES General Permit No. GP-0-25-001 for Stormwater Discharges from Construction Activities, the Stormwater Pollution Prevention Plan (SWPPP) includes stormwater management practices (SMP's) from the publication "New York State Stormwater Management Design Manual," last revised July 2024.

A Stormwater Pollution Prevention Plan has been prepared for this project because it is a construction activity that involves:

- Soil disturbances of one (1) or more acres of land.

The proposed project type falls under Table 2 of Appendix B of GP-0-25-001. As a result, this SWPPP includes post-construction stormwater management practices (SMPs).

The proposed stormwater facilities have been designed such that the quantity and quality of stormwater runoff during and after construction are not adversely altered or are enhanced when compared to pre-development conditions.

Based on the GIS information provided by the website of the New York State Office of Parks, Recreation and Historic Places, the site does not contain, nor is it immediately adjacent to any properties listed on the State or National Register of Historic Places

The Six Step Process for Stormwater Site Planning and Practice Selection

Stormwater management using green infrastructure is summarized in the six-step process described below. The six-step process was adhered to when developing this SWPPP. Information is provided in this SWPPP which documents compliance with the required process as follows:

Step 1: Site Planning

Implement planning practices that protect natural resources and utilize the hydrology of the site. Strong consideration must be given to reducing impervious cover to aid in the preservation of natural resources including protecting natural areas, avoiding sensitive areas and minimizing grading and soil disturbance.

Step 2: Determine Water Quality Treatment Volume (WQv)

Determine the required WQv for the site based on the site layout, impervious areas and sub-catchments. This initial calculation of WQv will have to be revised after green infrastructure techniques are applied. The following method has been used to calculate the WQv.

- **90% Rule -** According to the New York State Stormwater Design Manual, Section 4.1, the water quality volume is determined from the 90% rule. The method is based on 90% of the average annual stormwater runoff volume which must be provided due to impervious surfaces. The Water Quality Volume (denoted as the WQv) is designed to improve water quality sizing to capture and treat 90% of the average annual stormwater runoff volume. The WQv is directly related to the amount of impervious cover created at a site. The average rainfall storm depth for 90% of storms in New York State in one year is used to calculate the volume of runoff. The rainfall depth depends on the location of the site within the state. From this depth of rainfall, the required water quality volume is calculated.

Step 3: Runoff Reduction Volumes (RRv) by Applying Green Infrastructure Techniques and Standard SMP's

RRv is required for this project since it is a new development.

Green infrastructure techniques or standard SMP's with RRv capacity can potentially reduce the required WQv by incorporating combinations of green infrastructure techniques and standard SMP's within each drainage area on the site.

Green infrastructure techniques are grouped into two categories:

- Practices resulting in a reduction of contributing area such as preservation/restoration of conservation areas, vegetated channels, etc.
- Practices resulting in a reduction of contributing volume such as green roofs, stormwater planters, and rain gardens.

Apply a combination of green infrastructure techniques and standard SMPs with RRv capacity to provide 100% of the WQv calculated in Step 2. If the RRv calculated in this step is greater than or equal to the WQv in Step 2, the RRv requirement has been met and Step 4 can be skipped. If the RRv provided cannot meet or exceed 100% of the WQv, the project must, at a minimum, reduce

a percentage of the runoff from impervious areas to be constructed on the site. The percent reduction is based on the Hydrologic Soil Group(s) (HSG) of the site and is defined as Specific Reduction Factor (S).

The Minimum RRv capacity required must be provided by green infrastructure techniques to verify that the RRv requirement has been met. The RRv that is provided by the green infrastructure techniques can then be subtracted from the Total Required WQv that must be provided by the SMP's.

Step 4: Determine the minimum RRv Required

The minimum RRv is calculated similar to the WQv. However, it is determined using only the new impervious cover and accounts for the hydrologic soil group present. In no case shall the runoff reduction achieved from the newly constructed impervious area be less than the minimum runoff reduction volume (RRv_{min}).

Step 5: Apply Standard Stormwater Management Practices to Address Remaining Water Quality Volume

Apply the standard SMP's to meet additional water quality volume requirements that cannot be addressed by applying the green infrastructure techniques. The standard SMP's with RRv capacity must be implemented to verify that the RRv requirement has been met.

Step 6: Apply Volume and Peak Rate Control Practices to Meet Water Quantity Requirements

The Channel Protection Volume (CPv), Overbank Flood Control (Qp) and Extreme Flood Control (Qf) must be met for the plan to be completed. This is accomplished by using practices such as infiltration basins, dry detention basins, etc. to meet water quantity requirements. The following standards must be met:

1. Stream Channel Protection (CPv)

Stream Channel Protection Volume Requirements (CPv) are designed to protect stream channels from erosion. In New York State this goal is accomplished by providing 24-hour extended detention of the one-year, 24-hour storm event, remaining from runoff reduction. Reduction of runoff for meeting stream channel protection objectives, where site conditions allow, is encouraged and the volume reduction achieved through green infrastructure can be deducted from CPv. Trout waters may be exempted from the 24-hour ED requirement, with only 12 hours of extended detention required to meet this criterion. Detention time may be calculated using either a center of mass method or plug flow calculation method. Where a CPv control orifice is provided, the minimum orifice size shall be 3 inches, with acceptable external trash rack or orifice protection. CPv shall be addressed for the entire site. If a site consists of multiple design points, CPv shall be determined and provided for each design point.

2. Overbank Flood Control (Qp) which is the 10-year storm.

Overbank Flood Control requires storage to attenuate the post development 10-year, 24-hour peak discharge rate (Qp) to predevelopment rates. Overbank Flood Control shall be addressed for the entire site. If the site consist of multiple design points, Overbank Flood Control shall be determined and provided for each design point.

The overbank flood control requirement (Qp) does not apply in certain conditions, including:

- The site discharges directly tidal waters or fifth order (fifth downstream) or larger streams.
- A downstream analysis reveals that overbank control is not needed.

3. Extreme Flood Control (Qf) which is the 100-year storm.

Extreme Flood Control requires storage to attenuate the post development 100-year, 24-hour peak discharge rate (Qf) to predevelopment rates. Extreme Flood Control shall be addressed for the entire site. If the site consists of multiple design points, Extreme Flood Control shall be determined and provided for each design point.

The 100-year storm control requirement can be waived if:

- The site discharges directly tidal waters or fifth order (fifth downstream) or larger streams, where the increase in smaller flows will not impact the sream bank or channel integrity. The point of discharge must be protected against scour and erosion by the increased peak discharge.
- A downstream analysis reveals that 100-year control is not needed.
- If redevelopment results in no increase in impervious area or changes to hydrology that increase the discharge rate from the site, the hundred-year criteria does not apply.

Climate Change Considerations

I. Increasing temperature

The proposed project implements design and landscaping practices to consider the increasing temperatures as they relate to Climate Change. Landscaped areas are located to provide mitigation for extreme heat and the urban heat island effect by providing the most amount of shade and/or through the cooling effect of evapotranspiration, which releases water vapor and heat energy to the atmosphere. These landscaped areas include and are in addition to specific green infrastructure practices proposed throughout the project's design. Additional considerations were made in selecting plants species for the project. Species that are native to the surrounding area, as well as species that are resilient to the warmer temperatures were selected. Stormwater discharge locations have been selected to direct runoff to undisturbed and/or riparian areas that will aid in the cooling of

stormwater runoff. There are proposed trees adjacent to the open ponds and their outfalls which would provide shade. Detaining water within underground practices will also help keep temperatures down.

II. Increasing precipitation

The proposed hydrologic modeling accounts for the potential increase in precipitation due to climate change by utilizing the upper confidence limits of the Extreme Precipitation Estimates from the NRCC rainfall data. There is generally an 5-20 % increase in precipitation for the typically analyzed 1-, 10-, 100-yr 24hr rainfall events when compared to the average value previously used. This increase will result in systems being oversized during design by providing additional freeboard and storage volume so that they can accommodate the increased depths in the future due to the potential climate changes.

III. Increasing variability in precipitation, including chance of drought

The proposed hydrologic modeling accounts for variability in the precipitation, including chance of drought, by analyzing our conveyance systems under different tailwater conditions to simulate either multiple large storm events in a row or longer rainfall periods. Analyzing storm events back-to-back can also be considered. As far as drought conditions, the proposed landscape plantings are native and any areas of the site that are not irrigated have proposed drought tolerant species.

IV. Increasing frequency and severity of flooding

The proposed hydraulic modeling accounts for the potential increase in precipitation due to climate change by utilizing the upper confidence limits of the Intensity Frequency Duration Estimates from the NRCC rainfall data. The above increase will allow for systems to be oversized during design by providing additional capacity to accommodate the increased flow rates in the future. Site design has been prepared to provide potential flood routes for stormwater runoff. The grading and drainage have been designed to ensure that stormwater runoff will be directed away from buildings and structures and towards landscaped areas, undeveloped areas and/or the on-site stormwater infrastructure. The stormwater infrastructure is also designed with emergency spillways that will direct the

runoff towards the aforementioned grassed, undisturbed, and/or undisturbed riparian areas away from buildings and established structures. The site is not within the 100-year flood zone according to the National Flood Insurance Program Flood Insurance Rate Map (FIRM) No. 36087C0084G effective date 03/03/2014 Therefore, the project is located in an area where flooding is not a concern.

V. Rising sea level

Site design of grading and drainage has been prepared to ensure that buildings and structures are located above the Base Flood Elevations. Grading and drainage have been prepared to ensure that stormwater runoff will be directed away from buildings and structures and towards landscaped areas, undeveloped areas and/or the on-site stormwater infrastructure. The site is not within a tidal area according to the Coastal New York Future Floodplain Mapper and the National Flood Insurance Program Flood Insurance Rate Map (FIRM). Therefore, the project is located in an area where flooding from rising sea levels is not a concern. The proposed building and facilities are designed to be at an elevation approximately 136 feet above the 500 year flood zone.

VI. Increasing storm surge

The proposed project incorporates a design that maintains undisturbed areas, which include but are not limited to (from Table 4.1 in the NYSDEC's Using Natural Measures to Reduce the Risk and Flooding and Erosion):

- Stream – a natural waterway with a detectable current, having defined bed and banks, with perennial, intermittent or ephemeral flow.
- Forests – an ecosystem characterized by at least 10 percent tree canopy cover, at least 1 acre in size and 120 feet in width, which is not primarily under agricultural or other specific non-forest land use.

In addition to the preservation of existing features, constructed stormwater green infrastructure techniques have been utilized to mimic, accommodate or enhance the natural capture and infiltration of stormwater into the ground to reduce the risk of flooding and

erosion to buildings and structures in upland areas. The proposed hydraulic modeling accounts for the potential increase in storm surge due to climate change by utilizing the upper confidence limits of the Intensity Frequency Duration Estimates from the NRCC rainfall data. The above increase will allow for systems to be oversized during design by providing additional capacity to accommodate the increased flow rates in the future.

VII. Shifting ecology

The proposed project implements design and landscaping practices that consider the potential shifting of the local ecology. While landscaping has been selected to provide species native to the area, due to the potential change in climate temperature, species resilient to the change have also been selected. These selections may introduce plant species not typically native to the surrounding areas. Considerations were made to ensure that planting species selected may still support the significant and natural communities or areas with rare or high quality wetlands, forests, grasslands, ponds, streams, and other habitat that are essential for the conservation of rare / endangered species.

Based on the foregoing, this project is eligible for coverage under NYSDEC SPDES General Permit No. GP-0-25-001.

III. STUDY METHODOLOGY

Runoff rates were calculated based upon the standards set forth by the United States Department of Agriculture Natural Resources Conservation Service Technical Release 55, Urban Hydrology for Small Watersheds (TR-55), dated June 1986. The methodology set forth in TR-55 considers a multitude of characteristics for watershed areas including soil types, soil permeability, vegetative cover, time of concentration, topography, rainfall intensity, ponding areas, etc.

The 1-, 10-, 100-year storm recurrence intervals were reviewed in the design of the stormwater management facilities (see Appendices A 'Existing Hydrologic Calculations' & B 'Proposed Hydrologic Calculations').

Anticipated drainage conditions were analyzed considering the rate of runoff which will result from the construction of buildings, parking areas and other impervious surfaces associated with the site development.

Base Data and Design Criteria

For the stormwater management analysis, the following base information and methodology were used:

1. The site drainage patterns, and outfall facilities were reviewed by JMC personnel for the purpose of gathering background data and confirming existing mapping of the watershed areas.

2. An Existing Drainage Area Map was developed from the topographical survey. The drainage area map reflects the existing conditions within and around the project area.

3. A Proposed Drainage Area Map was developed from the proposed grading design superimposed over the topographical survey. The drainage area map reflects the proposed conditions within the project area and the existing conditions to remain in the surrounding area.

4. The United States Department of Agriculture (USDA) Web Soil Survey of the site available on its website at http://websoilsurvey.nrcd.usda.gov.

5. Soil Survey of Putnam and Westchester Counties, 1994.

6. The United States Department of Agriculture Natural Resources Conservation Service Technical Report No. 55, Urban Hydrology for Small Watersheds (TR-55), dated June 1986.

7. The time of concentration was calculated using the methods described in Chapter 3 of TR-55, Second Edition, June 1986. Manning's kinematics wave equation was used to determine

the travel time of sheet flow. The 2-year 24-hour precipitation amount of 3.50 inches was used in the equation for all storm events. The travel time for shallow concentrated flow was computed using Figure 3-1 and Table 3-1 of TR-55. Manning's Equation was used to determine the travel time for channel reaches.

8. All hydrologic calculations were performed with the Bentley PondPack software package version 10.0.

9. The New York State Stormwater Management Design Manual, revised July 2024.

10. New York Standards and Specifications for Erosion and Sediment Control, November 2016.

11. The storm flows for the 1-, 10-, & 100-year recurrence interval storms were analyzed for the total watershed areas. The distribution curves were developed from rainfall data and describe how a storm's total rainfall amount will be distributed over a specific length of time. Rainfall curves were generated using the NRCC and NRCS website and HydroCAD. The rainfall amounts are as follows:

24 Hour Rainfall Amounts

Design Storm Recurrence Interval	Inches of Rainfall Typically Analyzed (Extreme Precipitation Estimates)	Inches of Rainfall "Future Conditions" (Upper Confidence Limits)	Percent Increase (%)
1 Year	2.75	2.93	6.55
10 Year	5.03	5.49	9.15
25 Year	6.34	7.17	13.09
100 Year	9.02	10.77	19.40

IV. EXISTING CONDITIONS

The existing conditions of the project site is that of a vacant lot consisting of mostly wooded and grassed areas, with an asphalt paved driveway, multiple abandoned buildings, and a mowed sports

field located in the center of the lot. The site is bordered by Birch Dr. to the north, Historic Letchworth Village to the south, North Rockland High School to the east, and Stewart Hall to the west. After stormwater runoff exits the project site, it flows to a stream located to the north, Hammond Road to the east, or to Letchworth Village Rd, which flows into Garnerville Reservoir.

The following natural features, conservation areas, resource areas and drainage patterns of the project site have been identified and utilized to develop Drawing DA-1 "Existing Drainage Area Map" which is included in Appendix I:

- Wetlands (jurisdictional, wetland of special concern)
- Waterways (major, perennial, intermittent, springs)
- Buffers (stream, wetland, forest, etc.)
- Floodplains
- Forest, vegetative cover
- Critical areas
- Topography (contour lines, existing flow paths, steep slopes, etc.)
- Soil (hydrologic soil groups, highly erodible soils, etc.)
- Bedrock, significant geology features

Based on the USDA soil survey, all on-site soils are well drained and belong to hydrological groups B**.** The soil types, boundaries and drainage areas/designations are depicted on Drawing DA-1 within Appendix I.

Three (3) Design Boundaries (DP-1, 2, and 3) were identified for comparing peak rates of runoff in existing and proposed conditions. Similarly, three (3) separate drainage areas were identified in existing conditions based on the existing drainage divides at the site.

The following is a description of each of the drainage areas analyzed in the existing conditions analysis:

Existing Drainage Area 1 (EDA-1) is 15.30 acres in size and is located on the western portion of the site along Letchworth Village Road and adjacent to Stewart Hall. This area consists of pavement, buildings, sidewalks, driveways, roadways, lawn, meadows, woods, and brush. This drainage area drains towards East Stewarts Road. The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 60.90 and 23.10 minutes, respectively. Refer to Drawing DA-1 in Appendix I.

Existing Drainage Area 2 (EDA-2) is 6.59 acres in size and is located on the southern portion of the site. This area consists of building foundation and associated feature remains, roadways, lawn, meadows, woods, and brush. This drainage area drains towards Letchworth Village Road. The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 58.75 and 30.06 minutes, respectively. Refer to Drawing DA-1 in Appendix I.

Existing Drainage Area 3 (EDA-3) is 5.20 acres in size and is located on the eastern portion of the site adjacent to North Rockland Highschool. This area consists of building foundation and associated feature remains, roadways, lawn, meadows, woods, and brush. This drainage area drains towards Hammond Road. The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 56.01 and 31.92 minutes, respectively. Refer to Drawing DA-1 in Appendix I.
The peak rates of runoff to the design points from the drainage areas for each storm are shown in the table below:

Table 1
Summary of Peak Rates of Runoff in Existing Conditions
(Cubic Feet per Second)

Storm Recurrence Interval	DP-1	DP-2	DP-3
1 year	2.00	0.57	0.25
10 year	15.88	5.34	3.31
100 year	53.40	19.48	13.61

V. PROPOSED CONDITIONS

The proposed improvements consist of the 7 multifamily apartment buildings (5 type A, 2 Type B) with a total of 300 rental apartments, and one (1) community clubhouse. The proposed

development will also include asphalt driveways and roadways, surface parking areas, interior garage spaces, and associated landscaping. In general, the site topography is consistent with the existing conditions, graded to peak near the center of the site and sloping away in all directions. The on-site stormwater runoff from impervious coverages will be picked up by a network of catch basins, running to one (1) of five (5) basins; two (2) infiltration basins to the East-Southeast, one (1) infiltration basin to the West, and two (2) infiltration bioretention basins to the Southwest.

After treatment for water quality and peak rate attenuation, stormwater discharges from the ponds will utilize low velocity level-spreaders and rock outlet protection which will drain overland similarly to existing conditions. The overland discharges provide multiple opportunities for water quality enhancement and infiltration in addition to the proposed stormwater management basins.

Furthermore, in addition to these practices, the overall design of the project is consistent with the latest trends in Low Impact Development. The project minimizes the use of piped stormwater to convey runoff to the stormwater management infiltration ponds and does not include any piped connections to existing storm sewer infrastructure after treatment. The combination of stormwater ponds, and level-spreader discharges provide redundant opportunities to enhance water quality and mitigate stormwater runoff rates from the development areas. The overland conveyances of stormwater runoff will result in additional infiltration not considered in the SWPPP's hydrologic model, resulting in a conservative analysis.

This section describes the design and analysis of the proposed conditions used to demonstrate that the SWPPP meets the requirements of the General Permit.

The Six Step Process for Stormwater Site Planning and Practice Selection

Step 1: Site Planning

The following practices and site features were incorporated in the site design:

- Preserving hydrology - Maintaining drainage divides

- Floodplain considerations - The site does not lie within the 100-year flood zone according to the National Flood Insurance Program Flood Insurance Rate Map (FIRM) No. 36087C0084G, amended date 03/30/2015.
- Waterways (major, perennial, intermittent, springs) – The location, setback, cross section, etc. of the existing waterway has been maintained.
- Forest, vegetative cover – The maximum amount of forest and vegetative cover has been maintained and/or provided.
- Critical areas have been preserved.
- Topography (contour lines, existing flow paths, steep slopes, etc.) has been maintained or disturbed to the minimum extent practicable.
- Soil (hydrologic soil groups, highly erodible soils, etc.)
- Bedrock and significant geology features have been accounted for.

Step 2: Determine Water Quality Treatment Volume (WQv)

- **90% Rule:** According to the New York State Stormwater Design Manual, Section 4.1, the water quality volume is determined from the 90% rule.
  WQv Required = 65,950 CF See Appendix C

Step 3: Runoff Reduction Volumes (RRv) by Applying Green Infrastructure Techniques and Standard SMP's

- **Green Infrastructure Practices**
  - **Vegetated Swale –** One (1) vegetated swalle is proposed to treat runoff from a portion of the site as well as receive discharges from some of the standard practices.
- **Standard Practices with RRv Capacity**
  - **Infiltration Practices –** Three (3) infiltration basins are proposed to treat and retain runoff from a portion of the site.

- **Filtration Bioretention –** Two (2) infiltration bioretention areas are proposed to treat and retain runoff from a portion of the site.

Step 4: Determine the minimum RRv Required

RRv_{min} calculations can be found in Appendix C. RRv_{min} was met through the infiltration basins and the vegetated swale.

Step 5: Apply Standard Stormwater Management Practices to Address Remaining Water Quality Volume

- **Infiltration Practices**
  - Infiltration Basin (I-2)

    Infiltration basins are vegetated excavations designed to capture and temporarily store stormwater runoff to promote infiltration into the surrounding native soils.
- **Filtering Practices**
  - Infiltration Bioretention (F-4)

    Infiltration bioretention areas are shallow stormwater controls that utilize vegetation and engineered filter media to capture, treat, and infiltrate stormwater runoff into the underlying soils
- **Non-Standard/Alternative SMP's to Address Remaining Water Quality Volume**
  - Hydrodynamic Separators

Step 6: Apply Volume and Peak Rate Control Practices to Meet Water Quantity Requirements

- **Infiltration Practices**
  - Infiltration Basin (I-2)

    Infiltration basins are vegetated excavations designed to capture and temporarily store stormwater runoff to promote infiltration into the surrounding native soils.

- **Filtering Practices**
    - Infiltration Bioretention (F-4)

      Infiltration bioretention areas are shallow stormwater controls that utilize vegetation and engineered filter media to capture, treat, and infiltrate stormwater runoff into the underlying soils

All practices exceed the required elements of SMP criteria as outlined in Chapter 6 of the NYS Stormwater Management Design Manual. A summary of each category is provided below.

1. Feasibility – Stormwater practices are designed based upon unique physical environmental considerations noted in the NYS Stormwater Management Design Manual (NYSSMDM).

2. Conveyance – The design conveys runoff to the designed stormwater practice in a manner that is safe, minimizes erosion and disruption to natural drainage channel and promotes filtering and infiltration.

3. Pretreatment – All stormwater practices provide pretreatment as required in accordance with NYSSMDM design guidelines.

4. Treatment Geometry – The plan provides water quality treatment in accordance with NYSSMDM guidelines.

5. Landscaping –Extensive landscaping has been provided for each proposed stormwater practice to enhance pollutant removal and provide aesthetic enhancement to the property.

6. Maintenance – Maintenance for the environment practices has been provided and is detain the SWPPP Report as required. Maintenance access is provided in the design plans.

In order to determine the post-development rates of runoff generated on-site, the following drainage areas were analyzed in the post-development conditions. These areas are graphically depicted on Drawing DA-2 "Proposed Drainage Area Map" located in Appendix I.

Three (3) Design Boundaries (DP-1, 2, and 3) were identified for comparing peak rates of runoff in existing and proposed conditions. Similarly, eight (8) separate drainage areas were identified in proposed conditions based on the proposed drainage divides at the site.

The following is a description of each of the drainage areas analyzed in the proposed conditions analysis:

Proposed Drainage Area 1A (1) (PDA-1A) is 3.43 acres in size and is located on the north-western portion of the site adjacent to Stewart Hall . This area consists of existing driveways, roadways, a portion of the proposed roundabout, lawn, meadows, woods, and brush. Runoff from this drainage area is conveyed towards and beyond Design Boundary 1 (DP-1) via a vegetated swale and sheetflow. The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 65.19 and 5 minutes, respectively.

Proposed Drainage Area 1B (2) (PDA-1B) is 1.36 acres in size and is located on the south-western portion of the site along Letchworth Village Road. This area mainly consists of driveways, roadways, a portion of the proposed roundabout, sidewalks, lawn, and water features. Runoff from this drainage area is captured by on-site stormwater infrastructure such as inlets and is then conveyed through proposed HDPE piping to the infiltration bioretention basin 1B. The captured stormwater will then be attenuated through ground infiltration and an outlet control structure within the basin. Any runoff that is not infiltrated and flows through the outlet control structure will flow through proposed HDPE pipes, eventually discharging overland North of the site past Design Boundary 1 (DP-1). The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 71.82 and 5 minutes, respectively.

Proposed Drainage Area 1C (3) (PDA-1C) is 3.54 acres in size and is located on the south-western portion of the site along Letchworth Village Road. This area mainly consists of driveways, roadways, sidewalks, lawn, parking lots, and water features. Runoff from this drainage area is captured by on-site stormwater infrastructure such as inlets and is then conveyed through proposed HDPE piping to the infiltration bioretention basin 1C. The captured stormwater will then be attenuated through

ground infiltration and an outlet control structure within the basin. Any runoff that is not infiltrated and flows through the outlet control structure will flow through proposed HDPE pipes, eventually discharging overland North of the site past Design Boundary 1 (DP-1). The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 75.23 and 5 minutes, respectively.

Proposed Drainage Area 1D (4) (PDA-1D) is 5.29 acres in size and is located within the north-center portion of the site. This area consists of one (1) Type A building, recreational areas, pavement, sidewalks, driveways, roadways, parking lots, lawn, and water features. Runoff from this drainage area is captured by on-site stormwater infrastructure such as inlets and is then conveyed through proposed HDPE piping to Infiltration Basin 1D. The captured stormwater will then be attenuated through ground infiltration and an outlet control structure within the basin. Any runoff that is not infiltrated and flows through the outlet control structure will be discharged overland towards Design Boundary 1 (DP-1) along a vegetated swale. The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 79.41 and 5 minutes, respectively.

Proposed Drainage Area 2A (PDA-2A) is 1.34 acres in size and is located on the southern portion of the site along Letchworth Village Road and adjacent to the Historic Letchworth Village. This area mainly consists of lawn, meadows, woods, and brush. Runoff from this drainage area sheet flows overland to Design Boundary 2 (DP-2). The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 58.54 and 5 minutes, respectively.

Proposed Drainage Area 2B (4) (PDA-2B) is 6.09 acres in size and is located within the south-center portion of the site. This area consists of three (3) Type A buildings, one (1) Type B building, pavement, sidewalks, driveways, roadways, parking lots, lawn, and water features. Runoff from this drainage area is captured by on-site stormwater infrastructure such as inlets. The runoff is then conveyed through HDPE piping to Infiltration Basin 2B. The captured stormwater will be attenuated through ground infiltration and an outlet control structure. Any runoff that is not infiltrated and flows through the outlet control structure will be discharged overland towards Design Boundary 2 (DP-2). The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 86.00 and 5 minutes, respectively.

Proposed Drainage Area 3A (5) (PDA-3A) is 5.06 acres in size and is within the northern and some of the eastern portion of the site adjacent to the North Rockland High School. This area consists of one (1) Type A building, one (1) Type B building, the clubhouse and its associated improvements, pavement, sidewalks, driveways, roadways, parking lots, lawn, and water features. Runoff from this drainage area is captured by on-site stormwater infrastructure such as inlets. The runoff is then conveyed through HDPE piping to Infiltration Basin 3A. The captured stormwater will be attenuated through ground infiltration and an outlet control structure. Any runoff that is not infiltrated and flows through the outlet control structure will be discharged overland towards Design Boundary 3 (DP-3). The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 83.42 and 5 minutes, respectively.

Proposed Drainage Area 3B (6) (PDA-3B) is 0.98 acres in size and is located on the most eastern portion of the site adjacent to North Rockland High School. This area consists of lawn, meadows, woods, and brush. Runoff from this drainage area sheet flows overland to Design Boundary 3 (DP-3). The Curve Number (CN) and Time of Concentration (Tc) for this drainage area are 59.34 and 5 minutes, respectively.

Refer to Drawing DA-2 in Appendix I.

The peak rates of runoff to the design point of each of the analyzed drainage areas for each storm are shown on the table below:

Table 2
Summary of Proposed Peak Rates of Runoff in Proposed Conditions
(Cubic Feet per Second)

Storm Recurrence Interval	DP-1	DP-2	DP-3
1 year	1.51	0.17	0.12
10 year	7.81	2.13	1.51
100 year	44.95	19.33	8.47

The reductions in peak rates of runoff from proposed to existing conditions are shown on the table below:

Table 3
Percent Reductions in Peak Rates of Runoff (Existing vs. Proposed Conditions)
(Cubic Feet per Second)

Design Point	Storm Recurrence Frequency (Years)	Existing Peak Runoff Rate (cfs)	Proposed Peak Runoff Rate (cfs)	Percent Reduction (%)
1	1 year	2.00	1.51	24.50
	10 year	15.88	7.81	50.82
	100 year	53.40	44.95	15.82
2	1 year	0.57	0.17	70.18
	10 year	5.34	2.13	60.11
	100 year	19.48	19.33	0.77
3	1 year	0.25	0.12	52.00
	10 year	3.31	1.51	54.38
	100 year	13.61	8.47	37.77

VI. SOIL EROSION & SEDIMENT CONTROL

A potential impact of the proposed development on any soils or slopes will be that of erosion and transport of sediment during construction. An Erosion and Sediment Control Management Program will be established for the proposed development, beginning at the start of construction and continuing throughout its course, as outlined in the "New York State Standards and Specifications for Erosion and Sediment Control," November 2016. A continuing maintenance program will be implemented for the control of sediment transport and erosion control after construction and throughout the useful life of the project.

The Operator shall have a qualified professional assess the site prior to the commencement of construction and certify that the appropriate erosion and sediment controls, as shown on the Sediment & Erosion Control Plans, have been adequately installed to ensure overall preparedness of the site for the commencement of construction. In addition, the Operator shall have a qualified professional conduct one site inspection at least every seven calendar days and at least two site inspections every seven calendar days when greater than five acres of soil is disturbed at any one time.

Prior to the commencement of construction activity, the owner or operator must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The owner or operator shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the trained contractor. The owner or operator shall ensure that at least one trained contractor is on site on a daily basis when soil disturbance activities are being performed. The owner or operator shall have each of the contractors and subcontractors identified above sign a copy of the certification statement provided in Appendix G before they commence any construction activity.

Soil Description

As provided by the United States Department of Agriculture, Soil Conservation Service "Web Soil Survey," soil classifications which exist on the subject site are described below.

Soils are placed into four hydrologic groups: A, B, C, and D. In the definitions of the classes, infiltration rate is the rate at which water enters the soil at the surface and is controlled by the surface conditions. Transmission rate is the rate at which water moves in the soil and is controlled by soil properties. Definitions of the classes are as follows:

A. (Low runoff potential). The soils have a high infiltration rate even when thoroughly wetted. They chiefly consist of deep, well drained to excessively drained sands or gravels. They have a high rate of water transmission.

B. The soils have a moderate infiltration rate when thoroughly wetted. They chiefly are moderately deep to deep, moderately well drained to well drained soils that have moderately fine to moderately coarse textures. They have a moderate rate of water transmission.

C. The soils have a slow infiltration rate when thoroughly wetted. They chiefly have a layer that impedes downward movement of water or have moderately fine to fine texture. They have a slow rate of water transmission.

D. (High runoff potential). The soils have a very slow infiltration rate when thoroughly wetted. They chiefly consist of clay soils that have a high swelling potential, soils that have a permanent high water table, soils that have a claypan or clay layer at or near the surface, and shallow soils over nearly impervious material. They have a very slow rate of water transmission.

A soil's tendency to erode is also described in the USDA web soil survey. The ratings in this interpretation indicate the hazard of soil loss from unsurfaced areas. The ratings are based on soil erosion factor K, slope, and content of rock fragments. The hazard is described as "slight," "moderate," or "SEVERE." A rating of "slight" indicates that little or no erosion is likely; "moderate" indicates that some erosion is likely, that the temporarily unsurfaced / unstabilized during construction may require occasional maintenance, and that simple erosion-control measures are needed; and "SEVERE" indicates that significant erosion is expected, that the roads or trails require frequent maintenance, and that erosion-control measures are needed.

Per the Soil Survey, the following soils listed below are present at the site. Following this list is a detailed description of each soil type found on the property:

SYM.	HYDRO. SOIL GROUP	DESCRIPTION
CeB	B	Charlton fine sandy loam, 3-8% slopes
CeC	B	Charlton fine sandy loam, 8-15% slopes
CeD	B	Charlton fine sandy loam, 15-25% slopes

CeB, Charlton fine sandy loam, 3 TO 8 PERCENT SLOPE

This soil is very deep, gently sloping, and well drained. It consists of sandy to gravelly loam. The depth of the high water table is more than 6 feet, with moderate water capacity.
Hydrologic Soil Group: B
Erosion Hazard Rating: Slight

CeC, Charlton fine sandy loam, 8 TO 15 PERCENT SLOPE

This soil is very deep, strongly sloping, and well drained. It consists of sandy to gravelly loam. The depth of the high water table is more than 6 feet, with moderate water capacity.
Hydrologic Soil Group: B
Erosion Hazard Rating: Medium

CeD, Charlton fine sandy loam, 15 TO 25 PERCENT SLOPE

This soil is very deep, moderately steep, and well drained. It consists of sandy to gravelly loam. The depth of the high water table is more than 6 feet, with moderate water capacity.
Hydrologic Soil Group: B
Erosion Hazard Rating: Severe

On-Site Pollution Prevention

There are temporary pollution prevention measures used to control litter and construction debris on site, such as:

- Temporary Riser and Anti-Vortex Device
- Silt Fence
- Manufactured Insert Inlet Protection
- Excavated Drop Inlet Protection
- Level Spreaders

There will be inlet protection provided for all storm drains and inlets with the use of curb gutter inlet protection structures and stone & block drop inlet protection, which keep silt, sediment and construction litter and debris out of the on-site stormwater drainage system.

Temporary Control Measures

Temporary control measures and facilities will include silt fences, construction ditches, stabilized construction access, temporary seeding, mulching and sediment traps with temporary riser and anti-vortex devices.

Throughout the construction of the proposed development, temporary control facilities will be implemented to control on-site erosion and sediment transfer. Construction ditches, if required, will be used to direct stormwater runoff to the on-site sediment control practices. Sediment traps constructed as part of this project will serve as temporary sediment basins to remove sediment and pollutants from the stormwater runoff produced during construction.

Descriptions of the temporary sediment & erosion controls that will be used during the development of the site including silt fence, stabilized construction access, seeding, mulching and inlet protection are as follows:

1. Silt Fence is constructed using a geotextile fabric. The fence will be either 18 inches or 30 inches high. The height of the fence can be increased in the event of placing these devices on uncompacted fills or extremely loose undisturbed soils. The fences will not be placed in areas which receive concentrated flows such as ditches, swales and channels nor will the filter fabric material be placed across the entrance to pipes, culverts, spillway structures, sediment traps or basins.

2. Stabilized Construction Access consists of AASHTO No. 1 rock. The rock entrance will be a minimum of 50 feet in length by 24 feet in width by 6 inches in depth.

3. Seeding will be used to create a vegetative surface to stabilize disturbed earth until at least 80% of the disturbed area has a perennial vegetative cover. This amount is required to adequately function as a sediment and erosion control facility. Grass lining will also be used to line temporary channels and the surrounding disturbed areas.

4. Mulching is used as an anchor for seeding and disturbed areas to reduce soil loss due to storm events. These areas will be mulched with straw at a rate of 3 tons per acre such that the mulch forms a continuous blanket. Mulch must be placed after seeding or within 48 hours after seeding is completed.

5. Inlet Protection will be provided for all stormwater basins and inlets with the use of curb & gutter inlet protection and stone & block inlet protection structures, which will keep silt, sediment and construction debris out of the storm system. Existing structures within existing paved areas will be protected using "Manufactured Insert Inlet Protection" inside the structures.

6. Erosion Control Matting will be utilized on slopes and within swales, where applicable, to provide stabilization in advance of vegetation being established. Such matting will be biodegradable to facilitate long term growth of vegetation in swales, on slopes and within stormwater management facilities.

7. Temporary Sediment Basins will be constructed to intercept sediment laden runoff and trap and retain the sediment. The sediment basins are sized to provide a sediment storage volume of 3,600 cubic feet per acre draining to the basin. The Sediment Basins will be used with the permanent SMP's until their contributing drainage areas are stabilized. For Sediment Basins constructed in the location of the Infiltration Basins shall be carried to a minimum of 18 inches above the final permanent grade. The rough excavation to 18 inches above the final permanent grade will provide and additional layer of soil to protect the future bottom of basins soils form being exposed to sediment debris, etc. that is not detained by the temporary sediment basin. All disturbed areas upstream of the temporary sediment basin must be stabilized and protected from erosion prior to final excavation to finished grade. The final excavation shall remove all intended accumulated sediment, debris, etc. in the basin plus any unintended accumulated sediment. After final grading, the basin should retain a highly porous surface texture. Once stabilized, the temporary risers will be removed, permanent outlet control structures will be installed, and final grading/planting of the sediment basins will be completed for permanent use as Stormwater management Basins. Sediment Basin sizing standards, details and calculations are provided in Appendix H.

8. Sediments Traps will be used with the permanent SMP's until their contributing areas drainage are stabilized. Once stabilized, the temporary risers will be removed, and final grading/planting of the basins will be completed for permanent use as Stormwater Management basins.

9. Temporary Riser and Anti-Vortex Devices- are placed at the bottom of the temporary sediment basins where they intercept and collect debris and litter from the pond before they can enter the off-site storm drainage system.

10. Construction ditches are temporary swales proposed to intercept sediment laden runoff and divert it through stone check dams to promote an increase in travel time to settle any solids prior to runoff reaching the nearest drain inlet which will have inlet protection.

The contractor shall be responsible for maintaining the temporary sediment and erosion control measures throughout construction. This maintenance will include, but not be limited to, the following tasks:

1. For dust control purposes, moisten all exposed graded areas with water at least twice a day in those areas where soil is exposed and cannot be planted with a temporary cover due to construction operations or the season (December through March).

2. Inspection of erosion and sediment control measures shall be performed at the end of each construction day and immediately following each rainfall event. All required repairs shall be immediately executed by the contractor.

3. Sediment deposits shall be removed when they reach approximately ⅓ the height of the silt fence. All such sediment shall be properly disposed of in fill areas on the site, as directed by the Owner's Field Representative. Fill shall be protected following disposal with mulch, temporary and/or permanent vegetation and be completely circumscribed on the downhill side by silt fence.

4. Rake all exposed areas parallel to the slope during earthwork operations.

5. Following final grading, the disturbed area shall be stabilized with a permanent surface treatment (i.e. turf grass, pavement or sidewalk). During rough grading, areas which are not to be disturbed for seven or more days shall be stabilized with the temporary seed mixture, as defined on the plans. Seed all piles of dirt in exposed soil areas that will not receive a permanent surface treatment.

Concrete Material and Equipment Management

Concrete washouts shall be used to contain concrete and liquids when the chutes of concrete mixers and hoppers of concrete pumps are rinsed out after delivery. The washout facilities consolidate solids for easier disposal and prevent runoff of liquids. The wash water is alkaline and contains high levels of chromium, which can leach into the ground and contaminate groundwater. It can also migrate to a storm drain, which can increase the pH of area waters and harm aquatic life. Solids that are improperly disposed of can clog storm drain pipes and cause flooding. Installing concrete washout facilities not only prevents pollution but also is a matter of good housekeeping at your construction site.

Prefabricated concrete washout containers can be delivered to the site to provide maintenance and disposal of materials. Regular pick-ups of solid and liquid waste materials will be necessary. To prevent leaks on the job site, ensure that prefabricated washout containers are watertight. A self-installed concrete washout facility can be utilized although they are much less reliable than prefabricated containers and are prone to leaks. There are many design options for the washout, but they are preferably built below-grade to prevent breaches and reduce the likelihood of runoff. Above-grade structures can also be used if they are sized and constructed correctly and are diligently maintained. One of the most common problems with self-installed concrete washout facilities is that they can leak or be breached as a result of constant use, therefore the contractor shall be sure to use quality materials and inspect the facilities on a daily basis.

Washouts must be sized to handle solids, wash water, and rainfall to prevent overflow. Concrete Washout Systems, Inc. estimates that 7 gallons of wash water are used to wash one truck chute, and 50 gallons are used to wash out the hopper of a concrete pump truck.

For larger sites, a below-grade washout should be at least 10 feet wide and sized to contain all liquid and solid waste expected to be generated in between cleanout periods. A minimum of 12-inches of freeboard must be provided. The pit must be lined with plastic sheeting of at least 10-mil thickness without holes or tears to prevent leaching of liquids into the ground. Concrete wash water should never be placed in a pit that is connected to the storm drain system or that drains to nearby waterways.

An above-grade washout can be constructed at least 10 feet wide by 10 feet long and sized to contain all liquid and solid waste expected to be generated in between cleanout periods. A minimum of 4-inches of freeboard must be provided. The washout structures can be constructed with staked straw bales or sandbags double-or triple lined with plastic sheeting of at least 10-mil thickness without holes or tears.

Concrete washout facilities shall not be located within 100 feet of storm drains, open ditches, or water bodies and should be placed in locations that allow for convenient access for concrete trucks. The contractor shall check all concrete washout facilities daily to determine if they have been filled to 75 percent capacity, which is when materials need to be removed. Both above-and below-ground self-installed washouts should be inspected daily to ensure that plastic linings are intact, and sidewalls have not been damaged by construction activities. Prefabricated washout containers should be inspected daily as well as to ensure the container is not leaking or nearing 75 percent capacity. Inspectors should also note whether the facilities are being used regularly. Additional signage for washouts may be needed in more convenient locations if concrete truck operators are not utilizing them.

The washout structures must be drained or covered prior to predicted rainstorms to prevent overflows. Hardened solids either whole or broken must be removed and then they may be reused onsite or hauled away for recycling.

Once materials are removed from the concrete washout, a new structure must be built or excavated, or if the previous structure is still intact, inspect it for signs of weakening or damage and make any necessary repairs. Line the structure with new plastic that is free of holes or tears

and replace signage if necessary. It is very important that new plastic be used after every cleaning because pumps and concrete removal equipment can damage the existing liner.

Construction Site Chemical Control

The purpose of this management measure is to prevent the generation of nonpoint source pollution from construction sites due to improper handling and usage of nutrients and toxic substances, and to prevent the movement of toxic substances from the construction site.

Many potential pollutants other than sediment are associated with construction activities. These pollutants include pesticides; fertilizers used for vegetative stabilization; petrochemicals; construction chemicals such as concrete products, sealers, and paints; wash water associated with these products; paper; wood; garbage; and sanitary waste.

Disposal of excess pesticides and pesticide-related wastes should conform to registered label directions for the disposal and storage of pesticides and pesticide containers set forth in applicable Federal, State and local regulations that govern their usage, handling, storage, and disposal.

Pesticides should be disposed of through either a licensed waste management firm or a treatment, storage and disposal (TSD) facility. Containers should be triple rinsed before disposal, and rinse waters should be reused as product.

Other practices include setting aside a locked storage area, tightly closing lids, storing in a cool, dry place, checking containers periodically for leaks or deterioration, maintaining a list of products in storage, using plastic sheeting to line the storage areas, and notifying neighboring property owners prior to spraying.

When storing petroleum products, follow these guidelines:

- Create a shelter around the area with cover and wind protection;
- Line the storage area with a double layer of plastic sheeting or similar material;

- Create an impervious berm around the perimeter with a capacity of 110 percent greater than that of the largest container;
- Clearly label all products;
- Keep tanks off the ground; and
- Keep lids securely fastened.

Post spill procedure information and have persons trained in spill handling on site or on call at all times. Materials for cleaning up spills should be kept on site and easily available. Spills should be cleaned up immediately and the contaminated material properly disposed of. Maintain and wash equipment and machinery in confined areas specifically designed to control runoff.

Thinners or solvents should not be discharged into sanitary or storm systems when cleaning machinery. Use alternative methods for cleaning larger equipment parts, such as high-pressure, high-temperature water washes, or steam cleaning. Equipment-washing detergents can be used, and wash water may be discharged into sanitary sewers if solids are removed from the solution first. (This practice should be verified with the local sewer authority.) Small parts can be cleaned with degreasing solvents, which can then be reused or recycled.

Solid Waste Management and Portable Sanitary Management

The purpose of this management measure is to prevent the potential for solid waste such as construction debris, trash, etc. from construction sites due to improper handling and storage. Debris and litter should be removed periodically from the BMP's and surrounding areas to prevent clogging of pipes and structures. All construction material shall be stored in designated staging areas. Roll-off containers shall be placed on site and all empty containers, construction debris and litter shall be placed in the containers.

Portable sanitary units may be utilized on-site, or bathrooms will be provided within construction trailers. A sanitation removal company will be hired to pump/remove any sanitary waste. In the event that portable sanitary units are used and then cleaned after being emptied, the rinse water may not be disposed of to the storm drain system. It shall be contained for later disposal if it can't

be disposed of on-site. Remove paper and trash before cleaning the portable sanitary units. The portable sanitary units shall be located away from the storm drain system if possible. Provide over head cover for wash areas if possible. Maintain spill response material and equipment on site to eliminate the potential for contaminants and wash water from entering the storm drain system.

Permanent Control Measures and Facilities for Long Term Protection

Towards the completion of construction, permanent sediment and erosion control measures will be developed for long term erosion protection. The following permanent control measures and facilities have been proposed to be implemented for the project:

1. Vegetated Swales will function to provide additional treatment of stormwater runoff by removal of pollutants and will promote a reduction of peak flows and provide runoff infiltration.

2. Infiltration Basins will be used to treat the runoff volume generated from the developed area and provide improvement to water quality control. The proposed basins will provide water quality for 90% of the average annual stormwater runoff volume. The water quality volume will be retained, and higher storms will be released gradually. Refer to the water quality volume calculations, in Appendix C.

3. Catch Basins will be used to remove some of the coarse sand and grit sediment before entering the drainage system. Each catch basin will be constructed with an 18-inch-deep sump.

4. Rip-Rap Energy Dissipators At discharge points from the stormwater drainage system into the storm18-inch-deepment basins, rip-rap pads consisting of angular rocks will be placed to dissipate velocity and reduce the risk of erosion. Sizing of the rip-rap energy dissipators are included in Appendix C.

5. Seeding of at least 80% perennial vegetative cover will be used to produce a permanent uniform erosion resistant surface. The seeded areas will be mulched with straw at a rate of 2 tons per acre such that the mulch forms a continuous blanket.

6. Hydrodynamic Water Quality Structure will be used to provide pretreatment of the water quality flow rate for separating sediment, debris, floatables, etc. from the runoff prior to discharge to the SMP's.

Specifications for Soil Restoration

Prior to the final stabilization of the disturbed areas, soil restoration will be required for all vegetated areas to recover the original properties and porosity of the soil. Soil Restoration Requirements are provided on Table 4 below:

Table 4

Soil Restoration Requirements

Type of Soil Disturbance	Soil Restoration Requirement		Comments/Examples
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only – no change in grade	HSG A&B	HSG C&D	Protect area from any ongoing construction activities
	apply 6 inches of topsoil	Aerate* and apply 6 inches of topsoil	
Areas of cut or fill	HSG A&B	HSG C&D	Clearing and grubbing
	Aerate and apply 6 inches of topsoil	Apply full Soil Restoration**	
Heavy traffic areas on site (especially) in a zone 5-25 feet around buildings but not within a 5 foot perimeter around foundation walls)	Apply full Soil Restoration (decompaction and compost enhancement)		
Areas where Runoff Reduction and/or Infiltration practices are applied	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices.		Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single phase operation fence area.

Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.	

* Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.

** Per "Deep Ripping and De-compaction, DEC 2008."

During periods of relatively low to moderate subsoil moisture, the disturbed subsoils are returned to rough grade and the following full soil restoration steps applied:

1. Apply 3 inches of compost over subsoil.

2. Till compost into subsoil to a depth of at least 12 inches using a cat-mounted ripper, tractor-mounted disc, or tiller, mixing, and circulating air and compost into subsoils.

3. Rock-pick until uplifted stone/rock materials of four inches and larger size are cleaned off the site.

Specifications for Final Stabilization of Graded Areas

Final stabilization of graded areas consists of the placement of topsoil and installation of landscaping (unless the area is to be paved, or a building is to be constructed in the location). Topsoil is to be spread as soon as grading operations are completed. Topsoil is to be placed to a minimum depth of six inches on all embankments, planting areas and seeding/sod areas. The subgrade is to be scarified to a depth of two inches to provide a bond of the topsoil with the subsoil. Topsoil is to be raked to an even surface and cleared of all debris, roots, stones and other unsatisfactory material.

Planting operations shall be conducted under favorable weather conditions as follows:

- Permanent Lawns - April 15 (provided soil is frost-free and not excessively moist) to May 15; August 15 to October 15.
- Temporary Lawn Seeding - if outside of the time periods noted above, the areas shall be seeded immediately on completion of topsoil operations with annual ryegrass (Italian rye) at a rate of six pounds per 1,000 square feet. Temporary lawn installation is permitted provided the soil is frost-free and not excessively moist. The permanent lawn is to be installed the next planting season.

On slopes with a grade of 3 horizontal to 1 vertical or greater, and in swales, a geotextile netting or mat shall be installed for stabilization purposes as shown on the Plans. Seeded areas are to be mulched with straw or hay at an application rate of 70-90 pounds per 1,000 s.f. Straw or hay mulch must be spread uniformly and anchored immediately after spreading to prevent wind blowing. Mulches must be inspected periodically and in particular after rainstorms to check for erosion. If erosion is observed, additional mulch must be applied. Netting shall be inspected after rainstorms for dislocation or failure; any damage shall be repaired immediately.

All denuded surfaces which will be exposed for a period of over two months or more shall be temporarily hydroseeded with (a) perennial ryegrass at a rate of 40 lbs per acre (1.0 lb per 1000 square feet); (b) Certified "Aroostook" winter rye (cereal rye) @ 100 lb per acre (2.5 lb/1000 s.f.) to be used in the months of October and November.

Permanent turfgrass cover is to consist of a seed mixture as follows:

(a) Sunny sites

Kentucky Bluegrass	2.0-2.6 pounds/1000 square feet
Perennial Ryegrass	0.6-0.7 pounds/1000 square feet
Fine Fescue	0.4-0.6 pounds/1000 square feet

(b) Shady sites

Kentucky Bluegrass	0.8-1.0 pounds/1000 square feet
Perennial Ryegrass	0.6-0.7 pounds/1000 square feet
Fine Fescue	2.6-3.3 pounds/1000 square feet

All plant materials shall comply with the standards of the American Association Of Nurserymen with respect to height and caliper as described in its publication American Standard for Nursery Stock, latest edition.

VII. CONSTRUCTION PHASE AND POST-CONSTRUCTION MAINTENANCE

During the construction phase and following construction of the project, a number of maintenance measures will be taken with respect to the site maintenance. Measures to be taken included the following:

1. During Construction

A comprehensive sediment and erosion control plan will be in place during the construction period. Maintenance measures for sediment and erosion controls will include:

A qualified professional acceptable to the municipality will be hired by the owner or operator to monitor the installation and maintenance of the sediment and erosion control plans. The qualified professional shall report directly to the Engineering Consultant and shall be responsible for ensuring compliance with the design of the sediment and erosion control plans.

The qualified professional so hired will inspect all sediment and erosion control measures at least every seven calendar days. In the event that there has been a variance with the design of the sediment and erosion control measures so that the ability of the measures to adequately perform the intended function is lessened or compromised and/or the facilities are not adequately maintained, the qualified professional shall be required to report such variance to the Engineering Consultant within 48 hours and shall be empowered to order immediate repairs to the sediment and erosion control measures.

The qualified professional will also be responsible for observing the adequacy of the vegetation growth (trees, shrubs, groundcovers and turfgrasses) in newly graded areas and for ordering additional plantings in the event that the established plant materials do not adequately protect the ground surface from erosion.

2. Following Construction

Site maintenance activities on the property will include:

- Grounds maintenance, including mowing of lawns;
- Planting of trees, shrubs and groundcovers; pruning of trees and shrubs;
- Application of fertilizer and herbicides;
- Maintenance of stormwater management area;

Ground maintenance on the site will be performed by landscaping contractor.

Fertilizer is typically applied twice in the year - once in the spring and once in the fall. The application of fertilizer is usually necessary to maintain healthy lawn growth due to competition for nutrients with trees and shrubs and since the clippings are often removed. It is not recommended that fertilizer be applied during the summer. It is at this time that lawns are typically dormant.

Fertilizers come in three basic types: (1) Organic; (2) Soluble synthetic and (3) Slow release.

Organic fertilizers are derived from plant or animal waste. Since they are heavier and bulkier than other fertilizers, it is necessary to apply a much greater amount at one time. Soluble synthetic fertilizers are predictable with determining the exact impact on a lawn. However more applications are necessary since their effect is often short term. Slow-release fertilizers have a high percentage of nitrogen so quantities that need be handled at one time are smaller. Slow release fertilizers will be utilized by the project. No fertilizer containing more than 0% phosphorus shall be used, unless testing confirms the need for additional phosphorus.

Fertilizer shall be applied by the landscape contractor in accordance with the manufacturer's instructions. The application of fertilizer does require some skill on the part of the operator. Should there be a spill of fertilizer, the landscape contractor shall be required to scrape or vacuum it up. The area will then be watered in accordance with the manufacturer's instructions to ensure that the fertilizer becomes soluble and available to plants and does not run off.

BNE Real Estate Group will be responsible for the long-term operation and maintenance of the permanent stormwater management practices. The permanent stormwater management practices shall be maintained in accordance with the Maintenance Inspection Checklists provided in Appendix F.

VIII. CONCLUSION

This Stormwater Pollution Prevention Plan has been prepared to describe the project's pre- and post-development stormwater management improvements and its sediment and erosion control improvements to be utilized during construction. The proposed permanent improvements and the interim improvements to be utilized during construction have been designed in accordance with the requirements of the:

- Requirements of the New York State Department of Environmental Conservation (NYSDEC) SPDES General Permit No. GP-0-25-001, effective January 29, 2025.
- Chapter 140 "Soil Erosion and Sediment Control" of the Town of Haverstraw Zoning Code
- Requirements of the NYSDEC Stormwater Management Design Manual, last revised July 2024.

The project employs a variety of practices to enhance stormwater quality and reduce peak rates of runoff associated with the proposed improvements. These measures include infiltration and detention basins with outlet control structures to attenuate flows prior to discharging overland via rip-rap energy dissipators. These improvements will mitigate runoff volumes from the proposed improvements as runoff volumes will be slightly reduced or maintained in all the analyzed storms.

Based on the foregoing, it is our professional opinion that the proposed improvements will provide water quantity and quality enhancements which exceed the above-mentioned requirements and are not anticipated to have any adverse impacts to the site or any surrounding areas.

APPENDIX A

EXISTING HYDROLOGIC CALCULATIONS

Scenario: Pre-Development 1 Year Storm

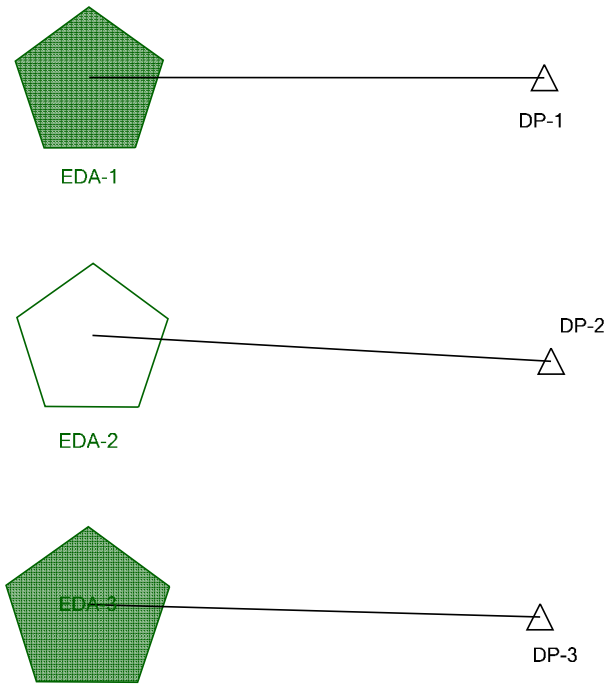


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Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
EDA-1	Pre-Development 1 Year Storm	1	18,824.000	12.350	2.00
EDA-1	Pre-Development 10 Year Storm	10	92,868.000	12.250	15.88
EDA-1	Pre-Development 100 Year Storm	100	314,934.000	12.250	53.40
EDA-2	Pre-Development 1 Year Storm	1	6,684.000	12.600	0.57
EDA-2	Pre-Development 10 Year Storm	10	36,393.000	12.350	5.34
EDA-2	Pre-Development 100 Year Storm	100	128,887.000	12.300	19.48
EDA-3	Pre-Development 1 Year Storm	1	3,783.000	12.700	0.25
EDA-3	Pre-Development 10 Year Storm	10	24,631.000	12.400	3.31
EDA-3	Pre-Development 100 Year Storm	100	93,709.000	12.350	13.61

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DP-1	Pre-Development 1 Year Storm	1	18,824.000	12.350	2.00
DP-1	Pre-Development 10 Year Storm	10	92,868.000	12.250	15.88
DP-1	Pre-Development 100 Year Storm	100	314,934.000	12.250	53.40
DP-2	Pre-Development 1 Year Storm	1	6,684.000	12.600	0.57
DP-2	Pre-Development 10 Year Storm	10	36,393.000	12.350	5.34
DP-2	Pre-Development 100 Year Storm	100	128,887.000	12.300	19.48
DP-3	Pre-Development 1 Year Storm	1	3,783.000	12.700	0.25
DP-3	Pre-Development 10 Year Storm	10	24,631.000	12.400	3.31
DP-3	Pre-Development 100 Year Storm	100	93,709.000	12.350	13.61

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Time-Depth Curve: 1 Year Storm	
Label	1 Year Storm
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	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.1	0.1	0.1	0.1	0.1
3.000	0.1	0.1	0.1	0.1	0.1
3.500	0.1	0.2	0.2	0.2	0.2
4.000	0.2	0.2	0.2	0.2	0.2
4.500	0.2	0.2	0.2	0.2	0.2
5.000	0.2	0.2	0.2	0.2	0.2
5.500	0.2	0.3	0.3	0.3	0.3
6.000	0.3	0.3	0.3	0.3	0.3
6.500	0.3	0.3	0.3	0.3	0.3
7.000	0.3	0.3	0.4	0.4	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	0.5	0.5	0.5	0.5	0.5
9.000	0.5	0.5	0.5	0.5	0.5
9.500	0.5	0.6	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	0.7
11.000	0.8	0.8	0.8	0.8	0.9
11.500	0.9	1.0	1.0	1.1	1.2
12.000	1.6	1.8	1.9	1.9	2.0
12.500	2.1	2.1	2.1	2.1	2.2
13.000	2.2	2.2	2.2	2.2	2.3
13.500	2.3	2.3	2.3	2.3	2.3
14.000	2.3	2.3	2.4	2.4	2.4
14.500	2.4	2.4	2.4	2.4	2.4
15.000	2.4	2.5	2.5	2.5	2.5
15.500	2.5	2.5	2.5	2.5	2.5
16.000	2.5	2.5	2.5	2.6	2.6
16.500	2.6	2.6	2.6	2.6	2.6
17.000	2.6	2.6	2.6	2.6	2.6

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
17.500	2.6	2.6	2.6	2.7	2.7
18.000	2.7	2.7	2.7	2.7	2.7
18.500	2.7	2.7	2.7	2.7	2.7
19.000	2.7	2.7	2.7	2.7	2.7
19.500	2.7	2.8	2.8	2.8	2.8
20.000	2.8	2.8	2.8	2.8	2.8
20.500	2.8	2.8	2.8	2.8	2.8
21.000	2.8	2.8	2.8	2.8	2.8
21.500	2.8	2.8	2.8	2.9	2.9
22.000	2.9	2.9	2.9	2.9	2.9
22.500	2.9	2.9	2.9	2.9	2.9
23.000	2.9	2.9	2.9	2.9	2.9
23.500	2.9	2.9	2.9	2.9	2.9
24.000	2.9	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Pre-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Time-Depth Curve: 10 Year Storm	
Label	10 Year Storm
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	0.1	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.3	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	0.5	0.6	0.6	0.6	0.6
6.500	0.6	0.6	0.6	0.6	0.7
7.000	0.7	0.7	0.7	0.7	0.7
7.500	0.7	0.8	0.8	0.8	0.8
8.000	0.8	0.8	0.8	0.9	0.9
8.500	0.9	0.9	0.9	0.9	1.0
9.000	1.0	1.0	1.0	1.0	1.1
9.500	1.1	1.1	1.1	1.1	1.2
10.000	1.2	1.2	1.2	1.3	1.3
10.500	1.3	1.4	1.4	1.4	1.5
11.000	1.5	1.5	1.6	1.6	1.7
11.500	1.8	1.9	2.0	2.1	2.3
12.000	3.0	3.2	3.4	3.5	3.7
12.500	3.8	3.8	3.9	3.9	4.0
13.000	4.0	4.0	4.1	4.1	4.1
13.500	4.2	4.2	4.2	4.3	4.3
14.000	4.3	4.3	4.4	4.4	4.4
14.500	4.4	4.4	4.5	4.5	4.5
15.000	4.5	4.5	4.6	4.6	4.6
15.500	4.6	4.6	4.6	4.7	4.7
16.000	4.7	4.7	4.7	4.7	4.8
16.500	4.8	4.8	4.8	4.8	4.8
17.000	4.8	4.8	4.9	4.9	4.9

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Pre-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
17.500	4.9	4.9	4.9	4.9	4.9
18.000	5.0	5.0	5.0	5.0	5.0
18.500	5.0	5.0	5.0	5.0	5.1
19.000	5.1	5.1	5.1	5.1	5.1
19.500	5.1	5.1	5.1	5.1	5.2
20.000	5.2	5.2	5.2	5.2	5.2
20.500	5.2	5.2	5.2	5.2	5.2
21.000	5.3	5.3	5.3	5.3	5.3
21.500	5.3	5.3	5.3	5.3	5.3
22.000	5.3	5.3	5.4	5.4	5.4
22.500	5.4	5.4	5.4	5.4	5.4
23.000	5.4	5.4	5.4	5.4	5.5
23.500	5.5	5.5	5.5	5.5	5.5
24.000	5.5	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Pre-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Time-Depth Curve: 100 Year Storm	
Label	100 Year Storm
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	0.1	0.1
0.500	0.1	0.1	0.1	0.1	0.1
1.000	0.2	0.2	0.2	0.2	0.2
1.500	0.2	0.3	0.3	0.3	0.3
2.000	0.3	0.3	0.4	0.4	0.4
2.500	0.4	0.4	0.4	0.5	0.5
3.000	0.5	0.5	0.5	0.6	0.6
3.500	0.6	0.6	0.6	0.7	0.7
4.000	0.7	0.7	0.7	0.7	0.8
4.500	0.8	0.8	0.8	0.9	0.9
5.000	0.9	0.9	0.9	1.0	1.0
5.500	1.0	1.0	1.1	1.1	1.1
6.000	1.1	1.1	1.2	1.2	1.2
6.500	1.2	1.3	1.3	1.3	1.3
7.000	1.4	1.4	1.4	1.5	1.5
7.500	1.5	1.5	1.6	1.6	1.6
8.000	1.7	1.7	1.7	1.8	1.8
8.500	1.8	1.9	1.9	1.9	2.0
9.000	2.0	2.0	2.1	2.1	2.2
9.500	2.2	2.3	2.3	2.3	2.4
10.000	2.4	2.5	2.5	2.6	2.7
10.500	2.7	2.8	2.8	2.9	3.0
11.000	3.1	3.1	3.2	3.3	3.4
11.500	3.6	3.8	4.0	4.3	4.7
12.000	5.8	6.3	6.6	6.8	7.1
12.500	7.3	7.4	7.5	7.6	7.7
13.000	7.8	7.8	7.9	8.0	8.0
13.500	8.1	8.1	8.2	8.3	8.3
14.000	8.4	8.4	8.5	8.5	8.5
14.500	8.6	8.6	8.7	8.7	8.7
15.000	8.8	8.8	8.9	8.9	8.9
15.500	9.0	9.0	9.0	9.1	9.1
16.000	9.1	9.2	9.2	9.2	9.2
16.500	9.3	9.3	9.3	9.4	9.4
17.000	9.4	9.4	9.5	9.5	9.5

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Pre-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
17.500	9.5	9.6	9.6	9.6	9.6
18.000	9.7	9.7	9.7	9.7	9.8
18.500	9.8	9.8	9.8	9.8	9.9
19.000	9.9	9.9	9.9	10.0	10.0
19.500	10.0	10.0	10.0	10.1	10.1
20.000	10.1	10.1	10.1	10.2	10.2
20.500	10.2	10.2	10.2	10.2	10.3
21.000	10.3	10.3	10.3	10.3	10.4
21.500	10.4	10.4	10.4	10.4	10.4
22.000	10.5	10.5	10.5	10.5	10.5
22.500	10.5	10.6	10.6	10.6	10.6
23.000	10.6	10.6	10.7	10.7	10.7
23.500	10.7	10.7	10.7	10.7	10.8
24.000	10.8	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time of Concentration Calculations
Label: EDA-1
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	150.00 ft
Manning's n	0.400
Slope	0.044 ft/ft
2 Year 24 Hour Depth	3.5 in
Average Velocity	0.12 ft/s
Segment Time of Concentration	0.345 hours

Segment #2: TR-55 Shallow Concentrated Flow	
Hydraulic Length	515.00 ft
Is Paved?	False
Slope	0.049 ft/ft
Average Velocity	3.58 ft/s
Segment Time of Concentration	0.040 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.385 hours

Subsection: Time of Concentration Calculations
Label: EDA-1
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

==== SCS Channel Flow

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

(Lf / V) / 3600

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

==== SCS TR-55 Shallow Concentration Flow

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

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

(Lf / V) / 3600

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

Subsection: Time of Concentration Calculations
Label: EDA-2
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	150.00 ft
Manning's n	0.400
Slope	0.030 ft/ft
2 Year 24 Hour Depth	3.5 in
Average Velocity	0.10 ft/s
Segment Time of Concentration	0.403 hours

Segment #2: TR-55 Shallow Concentrated Flow	
Hydraulic Length	986.00 ft
Is Paved?	False
Slope	0.030 ft/ft
Average Velocity	2.79 ft/s
Segment Time of Concentration	0.098 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.501 hours

Subsection: Time of Concentration Calculations
Label: EDA-2
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

==== SCS Channel Flow

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

(Lf / V) / 3600

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

==== SCS TR-55 Shallow Concentration Flow

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

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

(Lf / V) / 3600

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

Subsection: Time of Concentration Calculations
Label: EDA-3
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	150.00 ft
Manning's n	0.400
Slope	0.017 ft/ft
2 Year 24 Hour Depth	3.5 in
Average Velocity	0.08 ft/s
Segment Time of Concentration	0.509 hours

Segment #2: TR-55 Shallow Concentrated Flow	
Hydraulic Length	378.00 ft
Is Paved?	False
Slope	0.079 ft/ft
Average Velocity	4.53 ft/s
Segment Time of Concentration	0.023 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.532 hours

==== SCS Channel Flow

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

(Lf / V) / 3600

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

==== SCS TR-55 Shallow Concentration Flow

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

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

(Lf / V) / 3600

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

Subsection: Runoff CN-Area
Label: EDA-1
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	360,879.502	0.0	0.0	55.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	248,878.583	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	56,757.001	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	666,515.086	(N/A)	(N/A)	60.902

Subsection: Runoff CN-Area
Label: EDA-2
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	117,376.320	0.0	0.0	55.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	168,084.544	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	1,579.565	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	287,040.428	(N/A)	(N/A)	58.750

Subsection: Runoff CN-Area
Label: EDA-3
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	194,970.413	0.0	0.0	55.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	30,672.778	0.0	0.0	61.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	1,017.624	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	226,660.816	(N/A)	(N/A)	56.005

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.385 hours
Area (User Defined)	666,515.086 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.900	0.00	0.02	0.11	0.32	0.68
12.150	1.10	1.48	1.77	1.94	2.00
12.400	1.98	1.94	1.90	1.85	1.79
12.650	1.70	1.58	1.46	1.33	1.20
12.900	1.09	1.00	0.92	0.86	0.81
13.150	0.78	0.76	0.75	0.74	0.74
13.400	0.74	0.73	0.72	0.69	0.66
13.650	0.64	0.63	0.61	0.60	0.60
13.900	0.60	0.59	0.57	0.54	0.51
14.150	0.49	0.49	0.50	0.53	0.54
14.400	0.54	0.53	0.51	0.48	0.47
14.650	0.45	0.45	0.44	0.44	0.43
14.900	0.43	0.43	0.43	0.43	0.43
15.150	0.43	0.44	0.44	0.44	0.44
15.400	0.44	0.44	0.44	0.44	0.42
15.650	0.39	0.35	0.33	0.32	0.34
15.900	0.36	0.39	0.41	0.41	0.40
16.150	0.38	0.35	0.33	0.33	0.34
16.400	0.36	0.38	0.38	0.36	0.34
16.650	0.32	0.32	0.33	0.34	0.33
16.900	0.31	0.31	0.31	0.33	0.33
17.150	0.33	0.31	0.31	0.31	0.33
17.400	0.34	0.33	0.31	0.31	0.32
17.650	0.33	0.34	0.34	0.32	0.30
17.900	0.29	0.28	0.27	0.27	0.29
18.150	0.32	0.33	0.33	0.32	0.30
18.400	0.29	0.28	0.27	0.27	0.27
18.650	0.26	0.26	0.26	0.26	0.26
18.900	0.25	0.27	0.29	0.32	0.33
19.150	0.33	0.32	0.31	0.30	0.28
19.400	0.27	0.27	0.27	0.27	0.26
19.650	0.26	0.27	0.26	0.26	0.26
19.900	0.27	0.26	0.26	0.26	0.26
20.150	0.25	0.23	0.20	0.19	0.18

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: EDA-1 Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.400	0.20	0.21	0.22	0.24	0.25
20.650	0.25	0.25	0.26	0.26	0.26
20.900	0.26	0.27	0.27	0.27	0.26
21.150	0.27	0.27	0.26	0.23	0.20
21.400	0.18	0.19	0.20	0.22	0.23
21.650	0.24	0.26	0.26	0.26	0.26
21.900	0.27	0.26	0.23	0.21	0.19
22.150	0.19	0.20	0.22	0.23	0.25
22.400	0.26	0.25	0.23	0.20	0.19
22.650	0.19	0.20	0.22	0.23	0.25
22.900	0.26	0.25	0.23	0.20	0.19
23.150	0.19	0.21	0.21	0.20	0.18
23.400	0.17	0.18	0.20	0.22	0.23
23.650	0.25	0.26	0.25	0.23	0.21
23.900	0.19	0.19	0.20	0.21	0.20
24.150	0.17	0.14	0.10	0.07	0.05
24.400	0.04	0.03	0.02	0.01	0.01
24.650	0.01	0.01	0.00	0.00	0.00
24.900	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: EDA-1 Storm Event: 10 Year Storm
Scenario: Pre-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.385 hours
Area (User Defined)	666,515.086 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
10.400	0.00	0.00	0.01	0.01	0.02
10.650	0.03	0.05	0.06	0.08	0.11
10.900	0.13	0.16	0.19	0.22	0.25
11.150	0.29	0.33	0.38	0.44	0.50
11.400	0.56	0.62	0.69	0.78	0.91
11.650	1.12	1.40	1.76	2.18	2.67
11.900	3.27	4.29	6.03	8.62	11.60
12.150	14.06	15.50	15.88	15.37	14.30
12.400	13.11	12.04	11.10	10.25	9.43
12.650	8.60	7.76	6.95	6.22	5.59
12.900	5.08	4.66	4.31	4.02	3.79
13.150	3.60	3.46	3.36	3.26	3.15
13.400	3.02	2.89	2.77	2.67	2.60
13.650	2.55	2.52	2.50	2.48	2.46
13.900	2.42	2.36	2.29	2.23	2.19
14.150	2.14	2.08	2.03	1.99	1.98
14.400	2.00	2.00	1.99	1.95	1.90
14.650	1.85	1.80	1.78	1.76	1.74
14.900	1.73	1.73	1.73	1.72	1.72
15.150	1.72	1.72	1.71	1.67	1.61
15.400	1.54	1.49	1.49	1.50	1.51
15.650	1.49	1.46	1.44	1.45	1.48
15.900	1.49	1.48	1.45	1.43	1.40
16.150	1.38	1.36	1.36	1.36	1.35
16.400	1.34	1.34	1.34	1.32	1.28
16.650	1.24	1.21	1.21	1.23	1.24
16.900	1.22	1.19	1.18	1.19	1.22
17.150	1.23	1.22	1.19	1.18	1.19
17.400	1.22	1.24	1.22	1.18	1.13
17.650	1.08	1.08	1.12	1.18	1.21
17.900	1.20	1.17	1.12	1.07	1.03
18.150	1.00	0.98	0.98	1.01	1.07
18.400	1.14	1.18	1.19	1.16	1.12
18.650	1.07	1.03	1.00	0.98	0.97

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: EDA-1 Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
18.900	0.96	0.95	0.94	0.94	0.94
19.150	0.94	0.94	0.94	0.94	0.94
19.400	0.94	0.94	0.94	0.94	0.94
19.650	0.94	0.94	0.94	0.94	0.94
19.900	0.94	0.94	0.94	0.94	0.94
20.150	0.94	0.94	0.94	0.95	0.95
20.400	0.95	0.95	0.95	0.95	0.95
20.650	0.95	0.95	0.93	0.89	0.82
20.900	0.74	0.69	0.69	0.71	0.76
21.150	0.81	0.85	0.88	0.90	0.92
21.400	0.93	0.92	0.89	0.82	0.74
21.650	0.69	0.69	0.71	0.76	0.81
21.900	0.86	0.89	0.90	0.90	0.87
22.150	0.81	0.74	0.70	0.69	0.72
22.400	0.76	0.82	0.86	0.87	0.85
22.650	0.79	0.73	0.69	0.69	0.71
22.900	0.76	0.82	0.86	0.88	0.85
23.150	0.80	0.72	0.68	0.68	0.72
23.400	0.77	0.81	0.81	0.76	0.70
23.650	0.67	0.67	0.71	0.76	0.80
23.900	0.80	0.76	0.70	0.65	0.61
24.150	0.55	0.48	0.40	0.31	0.23
24.400	0.17	0.12	0.09	0.06	0.05
24.650	0.03	0.02	0.02	0.01	0.01
24.900	0.01	0.00	0.00	0.00	0.00
25.150	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: EDA-1 Storm Event: 100 Year Storm
Scenario: Pre-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.385 hours
Area (User Defined)	666,515.086 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
6.750	0.00	0.00	0.01	0.01	0.02
7.000	0.03	0.04	0.06	0.07	0.09
7.250	0.10	0.11	0.13	0.15	0.17
7.500	0.19	0.21	0.23	0.25	0.27
7.750	0.29	0.31	0.33	0.35	0.37
8.000	0.39	0.41	0.43	0.45	0.47
8.250	0.49	0.52	0.55	0.59	0.62
8.500	0.64	0.66	0.68	0.70	0.73
8.750	0.76	0.79	0.83	0.87	0.91
9.000	0.94	0.96	0.98	1.00	1.04
9.250	1.07	1.12	1.16	1.21	1.25
9.500	1.30	1.36	1.42	1.47	1.50
9.750	1.53	1.56	1.60	1.67	1.75
10.000	1.83	1.90	1.96	2.02	2.07
10.250	2.12	2.17	2.22	2.28	2.36
10.500	2.47	2.58	2.69	2.80	2.91
10.750	3.04	3.17	3.32	3.45	3.59
11.000	3.73	3.88	4.04	4.22	4.41
11.250	4.61	4.83	5.06	5.31	5.62
11.500	5.99	6.50	7.24	8.34	9.76
11.750	11.40	13.18	15.16	17.46	20.99
12.000	26.63	34.59	43.29	50.00	53.34
12.250	53.40	50.76	46.62	42.32	38.49
12.500	35.18	32.22	29.45	26.72	23.99
12.750	21.39	19.03	16.98	15.31	14.00
13.000	12.97	12.12	11.38	10.72	10.13
13.250	9.63	9.24	8.92	8.65	8.40
13.500	8.14	7.90	7.69	7.52	7.39
13.750	7.29	7.18	7.03	6.85	6.66
14.000	6.49	6.35	6.24	6.16	6.11
14.250	6.05	5.97	5.87	5.76	5.67
14.500	5.60	5.52	5.43	5.32	5.21
14.750	5.11	5.03	4.98	4.94	4.92
15.000	4.89	4.86	4.80	4.70	4.60

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: EDA-1 Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
15.250	4.54	4.53	4.54	4.55	4.52
15.500	4.47	4.43	4.40	4.34	4.25
15.750	4.16	4.05	3.97	3.95	3.99
16.000	4.06	4.09	4.08	4.04	3.97
16.250	3.90	3.84	3.80	3.78	3.76
16.500	3.74	3.73	3.72	3.70	3.64
16.750	3.55	3.45	3.39	3.38	3.41
17.000	3.46	3.51	3.51	3.46	3.38
17.250	3.32	3.27	3.22	3.18	3.19
17.500	3.24	3.30	3.33	3.33	3.29
17.750	3.25	3.22	3.17	3.09	3.01
18.000	2.97	2.96	2.98	2.99	2.96
18.250	2.93	2.90	2.92	2.95	2.97
18.500	2.95	2.92	2.90	2.91	2.95
18.750	2.97	2.95	2.90	2.82	2.74
19.000	2.68	2.64	2.61	2.61	2.65
19.250	2.73	2.83	2.89	2.90	2.86
19.500	2.79	2.72	2.67	2.63	2.60
19.750	2.59	2.57	2.56	2.55	2.55
20.000	2.55	2.54	2.54	2.54	2.54
20.250	2.54	2.54	2.54	2.54	2.51
20.500	2.46	2.37	2.27	2.20	2.19
20.750	2.23	2.29	2.35	2.41	2.45
21.000	2.47	2.47	2.43	2.35	2.25
21.250	2.19	2.18	2.22	2.29	2.36
21.500	2.41	2.43	2.40	2.33	2.24
21.750	2.18	2.18	2.19	2.20	2.18
22.000	2.14	2.11	2.13	2.18	2.26
22.250	2.31	2.32	2.27	2.20	2.16
22.500	2.16	2.18	2.20	2.18	2.13
22.750	2.09	2.05	2.01	1.98	2.00
23.000	2.05	2.11	2.15	2.14	2.10
23.250	2.07	2.04	2.00	1.97	1.97
23.500	1.97	1.95	1.94	1.94	1.95
23.750	1.94	1.93	1.94	1.95	1.94
24.000	1.93	1.91	1.85	1.70	1.47
24.250	1.20	0.93	0.69	0.49	0.36
24.500	0.26	0.19	0.14	0.10	0.07
24.750	0.05	0.04	0.03	0.02	0.01
25.000	0.01	0.01	0.00	0.00	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: EDA-2 Storm Event: 1 Year Storm
Scenario: Pre-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.501 hours
Area (User Defined)	287,040.428 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.950	0.00	0.01	0.03	0.07	0.14
12.200	0.22	0.30	0.39	0.45	0.50
12.450	0.54	0.56	0.57	0.57	0.56
12.700	0.55	0.53	0.50	0.47	0.43
12.950	0.40	0.37	0.35	0.33	0.31
13.200	0.30	0.29	0.28	0.28	0.28
13.450	0.27	0.27	0.26	0.25	0.25
13.700	0.24	0.23	0.23	0.23	0.22
13.950	0.22	0.22	0.21	0.20	0.20
14.200	0.19	0.19	0.19	0.19	0.19
14.450	0.19	0.19	0.19	0.18	0.18
14.700	0.17	0.17	0.17	0.16	0.16
14.950	0.16	0.16	0.16	0.16	0.16
15.200	0.16	0.16	0.16	0.16	0.16
15.450	0.16	0.16	0.16	0.16	0.15
15.700	0.15	0.14	0.13	0.13	0.13
15.950	0.14	0.14	0.15	0.15	0.14
16.200	0.14	0.13	0.13	0.13	0.13
16.450	0.14	0.14	0.14	0.13	0.13
16.700	0.13	0.13	0.13	0.13	0.12
16.950	0.12	0.12	0.12	0.12	0.12
17.200	0.12	0.12	0.12	0.12	0.12
17.450	0.12	0.12	0.12	0.12	0.12
17.700	0.12	0.12	0.12	0.12	0.12
17.950	0.11	0.11	0.11	0.11	0.11
18.200	0.12	0.12	0.12	0.12	0.12
18.450	0.11	0.11	0.11	0.10	0.10
18.700	0.10	0.10	0.10	0.10	0.10
18.950	0.10	0.10	0.11	0.12	0.12
19.200	0.12	0.12	0.12	0.11	0.11
19.450	0.11	0.10	0.10	0.10	0.10
19.700	0.10	0.10	0.10	0.10	0.10
19.950	0.10	0.10	0.10	0.10	0.10
20.200	0.09	0.09	0.08	0.08	0.08

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: EDA-2 Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.450	0.08	0.08	0.08	0.09	0.09
20.700	0.09	0.10	0.10	0.10	0.10
20.950	0.10	0.10	0.10	0.10	0.10
21.200	0.10	0.10	0.10	0.09	0.08
21.450	0.08	0.08	0.08	0.08	0.09
21.700	0.09	0.09	0.10	0.10	0.10
21.950	0.10	0.09	0.09	0.08	0.08
22.200	0.08	0.08	0.08	0.09	0.09
22.450	0.09	0.09	0.09	0.08	0.08
22.700	0.08	0.08	0.08	0.09	0.09
22.950	0.09	0.09	0.09	0.08	0.08
23.200	0.08	0.08	0.08	0.07	0.07
23.450	0.07	0.08	0.08	0.08	0.09
23.700	0.09	0.09	0.09	0.09	0.08
23.950	0.08	0.08	0.08	0.08	0.07
24.200	0.07	0.06	0.05	0.04	0.03
24.450	0.02	0.02	0.01	0.01	0.01
24.700	0.01	0.01	0.00	0.00	0.00
24.950	0.00	0.00	0.00	0.00	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: EDA-2 Storm Event: 10 Year Storm
Scenario: Pre-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.501 hours
Area (User Defined)	287,040.428 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
10.800	0.00	0.00	0.00	0.01	0.01
11.050	0.01	0.02	0.03	0.04	0.05
11.300	0.07	0.09	0.10	0.12	0.15
11.550	0.17	0.21	0.26	0.33	0.42
11.800	0.53	0.67	0.84	1.13	1.57
12.050	2.17	2.93	3.76	4.45	4.97
12.300	5.28	5.34	5.22	4.99	4.70
12.550	4.40	4.12	3.84	3.55	3.25
12.800	2.97	2.71	2.46	2.25	2.07
13.050	1.91	1.78	1.67	1.59	1.51
13.300	1.45	1.39	1.33	1.28	1.22
13.550	1.17	1.13	1.10	1.07	1.05
13.800	1.03	1.02	1.00	0.98	0.96
14.050	0.94	0.92	0.90	0.88	0.86
14.300	0.84	0.83	0.82	0.82	0.81
14.550	0.80	0.79	0.77	0.76	0.74
14.800	0.73	0.72	0.71	0.71	0.70
15.050	0.70	0.70	0.70	0.70	0.69
15.300	0.68	0.67	0.65	0.64	0.63
15.550	0.62	0.62	0.61	0.60	0.60
15.800	0.60	0.60	0.60	0.60	0.59
16.050	0.59	0.58	0.57	0.56	0.56
16.300	0.55	0.55	0.55	0.55	0.54
16.550	0.54	0.53	0.52	0.51	0.51
16.800	0.51	0.50	0.50	0.49	0.49
17.050	0.49	0.49	0.49	0.49	0.49
17.300	0.49	0.49	0.49	0.50	0.49
17.550	0.49	0.48	0.47	0.46	0.46
17.800	0.46	0.47	0.48	0.47	0.47
18.050	0.46	0.44	0.43	0.42	0.41
18.300	0.41	0.42	0.44	0.45	0.46
18.550	0.46	0.46	0.45	0.44	0.43
18.800	0.42	0.41	0.40	0.40	0.39
19.050	0.39	0.39	0.39	0.38	0.38

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: EDA-2 Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
19.300	0.38	0.38	0.38	0.38	0.38
19.550	0.38	0.38	0.38	0.38	0.38
19.800	0.38	0.38	0.38	0.38	0.38
20.050	0.38	0.38	0.38	0.38	0.38
20.300	0.38	0.38	0.39	0.39	0.39
20.550	0.39	0.39	0.39	0.39	0.38
20.800	0.37	0.36	0.34	0.32	0.31
21.050	0.30	0.31	0.32	0.33	0.34
21.300	0.35	0.36	0.37	0.37	0.36
21.550	0.35	0.33	0.31	0.30	0.30
21.800	0.31	0.31	0.33	0.34	0.35
22.050	0.36	0.35	0.34	0.33	0.31
22.300	0.30	0.30	0.31	0.31	0.33
22.550	0.33	0.34	0.33	0.32	0.31
22.800	0.30	0.30	0.30	0.31	0.33
23.050	0.34	0.34	0.33	0.32	0.31
23.300	0.30	0.30	0.30	0.31	0.31
23.550	0.31	0.31	0.30	0.29	0.29
23.800	0.30	0.31	0.31	0.31	0.30
24.050	0.29	0.27	0.26	0.23	0.20
24.300	0.18	0.15	0.12	0.09	0.07
24.550	0.06	0.04	0.04	0.03	0.02
24.800	0.02	0.01	0.01	0.01	0.01
25.050	0.00	0.00	0.00	0.00	0.00
25.300	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: EDA-2 Storm Event: 100 Year Storm
Scenario: Pre-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.501 hours
Area (User Defined)	287,040.428 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
7.250	0.00	0.00	0.00	0.01	0.01
7.500	0.01	0.02	0.03	0.03	0.04
7.750	0.05	0.05	0.06	0.07	0.08
8.000	0.08	0.09	0.10	0.11	0.12
8.250	0.12	0.13	0.14	0.15	0.17
8.500	0.18	0.19	0.19	0.20	0.22
8.750	0.23	0.24	0.25	0.26	0.28
9.000	0.29	0.30	0.31	0.32	0.34
9.250	0.35	0.36	0.38	0.39	0.41
9.500	0.43	0.45	0.47	0.49	0.51
9.750	0.52	0.54	0.55	0.57	0.60
10.000	0.62	0.65	0.67	0.70	0.72
10.250	0.75	0.77	0.79	0.81	0.84
10.500	0.87	0.91	0.95	0.99	1.03
10.750	1.07	1.12	1.17	1.23	1.28
11.000	1.33	1.39	1.45	1.52	1.58
11.250	1.66	1.73	1.82	1.91	2.02
11.500	2.14	2.31	2.53	2.83	3.21
11.750	3.71	4.29	4.95	5.71	6.84
12.000	8.43	10.48	12.95	15.52	17.51
12.250	18.85	19.48	19.26	18.49	17.42
12.500	16.19	15.00	13.90	12.83	11.76
12.750	10.72	9.72	8.80	7.94	7.22
13.000	6.61	6.09	5.64	5.27	4.94
13.250	4.66	4.41	4.20	4.02	3.86
13.500	3.71	3.57	3.45	3.35	3.26
13.750	3.19	3.12	3.05	2.99	2.91
14.000	2.84	2.78	2.71	2.67	2.63
14.250	2.59	2.56	2.52	2.48	2.44
14.500	2.40	2.37	2.33	2.29	2.25
14.750	2.21	2.18	2.15	2.12	2.10
15.000	2.08	2.06	2.04	2.01	1.98
15.250	1.95	1.93	1.93	1.92	1.91
15.500	1.90	1.88	1.87	1.85	1.82

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: EDA-2 Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
15.750	1.79	1.75	1.73	1.70	1.70
16.000	1.70	1.70	1.70	1.70	1.68
16.250	1.67	1.65	1.63	1.61	1.60
16.500	1.59	1.58	1.57	1.56	1.55
16.750	1.52	1.49	1.47	1.45	1.45
17.000	1.45	1.45	1.46	1.45	1.44
17.250	1.42	1.40	1.38	1.37	1.36
17.500	1.36	1.37	1.38	1.39	1.38
17.750	1.38	1.37	1.35	1.33	1.30
18.000	1.28	1.27	1.26	1.26	1.25
18.250	1.24	1.24	1.24	1.24	1.24
18.500	1.24	1.23	1.23	1.23	1.23
18.750	1.23	1.23	1.22	1.21	1.19
19.000	1.17	1.15	1.13	1.12	1.12
19.250	1.13	1.15	1.17	1.18	1.19
19.500	1.18	1.17	1.15	1.13	1.12
19.750	1.11	1.10	1.09	1.08	1.08
20.000	1.08	1.07	1.07	1.07	1.07
20.250	1.07	1.07	1.07	1.07	1.06
20.500	1.05	1.03	1.00	0.97	0.96
20.750	0.95	0.96	0.97	0.98	1.00
21.000	1.02	1.02	1.02	1.00	0.98
21.250	0.96	0.95	0.95	0.95	0.96
21.500	0.98	0.99	1.00	0.99	0.97
21.750	0.96	0.94	0.94	0.93	0.92
22.000	0.91	0.91	0.91	0.92	0.93
22.250	0.94	0.95	0.95	0.94	0.93
22.500	0.93	0.92	0.92	0.92	0.91
22.750	0.90	0.88	0.87	0.86	0.85
23.000	0.86	0.87	0.88	0.89	0.89
23.250	0.88	0.87	0.86	0.85	0.84
23.500	0.84	0.83	0.83	0.82	0.82
23.750	0.82	0.82	0.82	0.82	0.82
24.000	0.82	0.81	0.79	0.76	0.71
24.250	0.63	0.54	0.45	0.37	0.29
24.500	0.22	0.17	0.14	0.11	0.08
24.750	0.07	0.05	0.04	0.03	0.02
25.000	0.02	0.01	0.01	0.01	0.01
25.250	0.00	0.00	0.00	0.00	0.00
25.500	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: EDA-3 Storm Event: 1 Year Storm
Scenario: Pre-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.532 hours
Area (User Defined)	226,660.816 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
12.000	0.00	0.00	0.01	0.02	0.03
12.250	0.06	0.09	0.12	0.15	0.17
12.500	0.20	0.22	0.23	0.24	0.25
12.750	0.24	0.24	0.23	0.22	0.21
13.000	0.20	0.18	0.18	0.17	0.16
13.250	0.16	0.16	0.16	0.15	0.15
13.500	0.15	0.15	0.15	0.14	0.14
13.750	0.14	0.13	0.13	0.13	0.13
14.000	0.13	0.12	0.12	0.12	0.11
14.250	0.11	0.11	0.11	0.12	0.12
14.500	0.11	0.11	0.11	0.11	0.10
14.750	0.10	0.10	0.10	0.10	0.10
15.000	0.10	0.10	0.10	0.10	0.10
15.250	0.10	0.10	0.10	0.10	0.10
15.500	0.10	0.10	0.10	0.09	0.09
15.750	0.09	0.08	0.08	0.08	0.08
16.000	0.09	0.09	0.09	0.09	0.09
16.250	0.08	0.08	0.08	0.08	0.08
16.500	0.08	0.08	0.08	0.08	0.08
16.750	0.08	0.08	0.08	0.08	0.08
17.000	0.08	0.08	0.08	0.08	0.08
17.250	0.08	0.08	0.08	0.08	0.08
17.500	0.08	0.08	0.08	0.08	0.08
17.750	0.08	0.08	0.08	0.07	0.07
18.000	0.07	0.07	0.07	0.07	0.07
18.250	0.07	0.07	0.07	0.07	0.07
18.500	0.07	0.07	0.07	0.06	0.06
18.750	0.06	0.06	0.06	0.06	0.06
19.000	0.07	0.07	0.07	0.08	0.08
19.250	0.08	0.07	0.07	0.07	0.07
19.500	0.07	0.07	0.07	0.07	0.06
19.750	0.06	0.07	0.06	0.06	0.06
20.000	0.07	0.07	0.06	0.06	0.06
20.250	0.06	0.05	0.05	0.05	0.05

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: EDA-3 Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.500	0.05	0.05	0.06	0.06	0.06
20.750	0.06	0.06	0.06	0.06	0.06
21.000	0.06	0.06	0.06	0.06	0.06
21.250	0.06	0.06	0.06	0.06	0.05
21.500	0.05	0.05	0.05	0.06	0.06
21.750	0.06	0.06	0.06	0.06	0.06
22.000	0.06	0.06	0.06	0.05	0.05
22.250	0.05	0.05	0.06	0.06	0.06
22.500	0.06	0.06	0.05	0.05	0.05
22.750	0.05	0.05	0.06	0.06	0.06
23.000	0.06	0.06	0.05	0.05	0.05
23.250	0.05	0.05	0.05	0.05	0.05
23.500	0.05	0.05	0.05	0.06	0.06
23.750	0.06	0.06	0.06	0.05	0.05
24.000	0.05	0.05	0.05	0.05	0.04
24.250	0.04	0.03	0.03	0.02	0.02
24.500	0.01	0.01	0.01	0.01	0.01
24.750	0.00	0.00	0.00	0.00	0.00
25.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: EDA-3 Storm Event: 10 Year Storm
Scenario: Pre-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.532 hours
Area (User Defined)	226,660.816 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.250	0.00	0.00	0.00	0.01	0.01
11.500	0.02	0.03	0.04	0.06	0.09
11.750	0.14	0.19	0.26	0.37	0.54
12.000	0.78	1.12	1.59	2.07	2.56
12.250	2.91	3.15	3.30	3.31	3.23
12.500	3.10	2.95	2.78	2.61	2.44
12.750	2.26	2.08	1.91	1.75	1.61
13.000	1.48	1.37	1.28	1.20	1.14
13.250	1.08	1.04	0.99	0.95	0.91
13.500	0.88	0.84	0.81	0.78	0.76
13.750	0.74	0.73	0.72	0.71	0.70
14.000	0.68	0.67	0.65	0.64	0.62
14.250	0.61	0.60	0.59	0.58	0.58
14.500	0.57	0.57	0.56	0.55	0.54
14.750	0.53	0.52	0.51	0.51	0.50
15.000	0.50	0.50	0.50	0.50	0.50
15.250	0.49	0.49	0.48	0.47	0.46
15.500	0.45	0.44	0.44	0.43	0.43
15.750	0.43	0.42	0.43	0.43	0.43
16.000	0.42	0.42	0.42	0.41	0.41
16.250	0.40	0.40	0.39	0.39	0.39
16.500	0.39	0.39	0.38	0.37	0.37
16.750	0.36	0.36	0.36	0.36	0.35
17.000	0.35	0.35	0.35	0.35	0.35
17.250	0.35	0.35	0.35	0.35	0.35
17.500	0.35	0.35	0.34	0.34	0.33
17.750	0.33	0.33	0.34	0.34	0.34
18.000	0.33	0.33	0.32	0.31	0.30
18.250	0.30	0.30	0.30	0.31	0.32
18.500	0.33	0.33	0.33	0.32	0.32
18.750	0.31	0.30	0.29	0.29	0.29
19.000	0.28	0.28	0.28	0.28	0.28
19.250	0.28	0.28	0.28	0.27	0.27
19.500	0.27	0.27	0.27	0.27	0.27

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: EDA-3 Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
19.750	0.27	0.28	0.28	0.28	0.28
20.000	0.28	0.28	0.28	0.28	0.28
20.250	0.28	0.28	0.28	0.28	0.28
20.500	0.28	0.28	0.28	0.28	0.28
20.750	0.28	0.27	0.26	0.25	0.24
21.000	0.23	0.22	0.22	0.23	0.23
21.250	0.24	0.25	0.26	0.26	0.26
21.500	0.26	0.25	0.24	0.23	0.22
21.750	0.22	0.22	0.23	0.23	0.24
22.000	0.25	0.26	0.25	0.25	0.24
22.250	0.23	0.22	0.22	0.22	0.23
22.500	0.23	0.24	0.24	0.24	0.23
22.750	0.22	0.22	0.22	0.22	0.23
23.000	0.23	0.24	0.24	0.24	0.23
23.250	0.23	0.22	0.22	0.22	0.22
23.500	0.23	0.23	0.22	0.22	0.21
23.750	0.21	0.22	0.22	0.22	0.22
24.000	0.22	0.21	0.20	0.19	0.17
24.250	0.16	0.14	0.12	0.10	0.08
24.500	0.06	0.05	0.04	0.03	0.02
24.750	0.02	0.02	0.01	0.01	0.01
25.000	0.01	0.00	0.00	0.00	0.00
25.250	0.00	0.00	0.00	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: EDA-3 Storm Event: 100 Year Storm
Scenario: Pre-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.532 hours
Area (User Defined)	226,660.816 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
7.850	0.00	0.00	0.00	0.00	0.01
8.100	0.01	0.01	0.02	0.02	0.03
8.350	0.03	0.04	0.04	0.05	0.06
8.600	0.06	0.07	0.08	0.08	0.09
8.850	0.10	0.11	0.12	0.13	0.13
9.100	0.14	0.15	0.16	0.17	0.18
9.350	0.19	0.20	0.21	0.22	0.23
9.600	0.25	0.26	0.27	0.28	0.30
9.850	0.31	0.32	0.34	0.35	0.37
10.100	0.39	0.41	0.42	0.44	0.46
10.350	0.47	0.49	0.51	0.53	0.55
10.600	0.58	0.60	0.63	0.66	0.70
10.850	0.73	0.77	0.80	0.84	0.88
11.100	0.92	0.97	1.02	1.07	1.12
11.350	1.18	1.24	1.31	1.40	1.51
11.600	1.66	1.85	2.09	2.42	2.80
11.850	3.23	3.78	4.58	5.61	6.96
12.100	8.64	10.32	11.91	12.87	13.43
12.350	13.61	13.32	12.72	11.98	11.18
12.600	10.41	9.66	8.91	8.18	7.47
12.850	6.80	6.18	5.63	5.15	4.73
13.100	4.40	4.10	3.83	3.61	3.41
13.350	3.24	3.09	2.96	2.85	2.74
13.600	2.64	2.56	2.49	2.42	2.37
13.850	2.31	2.26	2.21	2.16	2.10
14.100	2.06	2.02	1.99	1.96	1.93
14.350	1.90	1.87	1.85	1.82	1.79
14.600	1.76	1.73	1.70	1.67	1.65
14.850	1.62	1.60	1.58	1.57	1.55
15.100	1.54	1.52	1.50	1.48	1.46
15.350	1.45	1.44	1.44	1.43	1.42
15.600	1.41	1.39	1.38	1.35	1.33
15.850	1.31	1.29	1.28	1.28	1.28
16.100	1.28	1.28	1.27	1.26	1.25

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: EDA-3 Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
16.350	1.23	1.22	1.21	1.20	1.19
16.600	1.19	1.18	1.17	1.16	1.14
16.850	1.12	1.10	1.10	1.10	1.10
17.100	1.10	1.09	1.09	1.08	1.06
17.350	1.05	1.04	1.03	1.03	1.03
17.600	1.04	1.04	1.04	1.04	1.03
17.850	1.02	1.01	0.99	0.98	0.97
18.100	0.96	0.96	0.95	0.94	0.94
18.350	0.94	0.94	0.94	0.94	0.93
18.600	0.93	0.93	0.93	0.93	0.93
18.850	0.92	0.91	0.90	0.89	0.87
19.100	0.86	0.85	0.85	0.86	0.87
19.350	0.88	0.89	0.89	0.89	0.89
19.600	0.88	0.86	0.85	0.84	0.83
19.850	0.83	0.82	0.82	0.82	0.81
20.100	0.81	0.81	0.81	0.81	0.81
20.350	0.81	0.81	0.80	0.80	0.78
20.600	0.76	0.74	0.73	0.73	0.73
20.850	0.73	0.74	0.76	0.77	0.77
21.100	0.77	0.76	0.75	0.74	0.73
21.350	0.72	0.72	0.73	0.74	0.75
21.600	0.75	0.75	0.74	0.73	0.72
21.850	0.71	0.71	0.70	0.69	0.69
22.100	0.69	0.69	0.70	0.71	0.72
22.350	0.72	0.72	0.71	0.71	0.70
22.600	0.70	0.70	0.69	0.68	0.68
22.850	0.67	0.66	0.65	0.65	0.66
23.100	0.66	0.67	0.67	0.67	0.66
23.350	0.66	0.65	0.64	0.64	0.63
23.600	0.63	0.63	0.62	0.62	0.62
23.850	0.62	0.62	0.62	0.62	0.61
24.100	0.60	0.58	0.55	0.50	0.43
24.350	0.37	0.31	0.25	0.20	0.16
24.600	0.12	0.10	0.08	0.06	0.05
24.850	0.04	0.03	0.02	0.02	0.01
25.100	0.01	0.01	0.01	0.01	0.00
25.350	0.00	0.00	0.00	0.00	0.00

Subsection: Addition Summary
Label: DP-1
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Summary for Hydrograph Addition at 'DP-1'

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

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	EDA-1	18,824.132	12.350	2.00
Flow (In)	DP-1	18,824.132	12.350	2.00

Subsection: Addition Summary
Label: DP-1
Scenario: Pre-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Summary for Hydrograph Addition at 'DP-1'

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

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	EDA-1	92,868.491	12.250	15.88
Flow (In)	DP-1	92,868.491	12.250	15.88

Subsection: Addition Summary
Label: DP-1
Scenario: Pre-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Summary for Hydrograph Addition at 'DP-1'

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

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	EDA-1	314,933.694	12.250	53.40
Flow (In)	DP-1	314,933.694	12.250	53.40

Subsection: Addition Summary
Label: DP-2
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Summary for Hydrograph Addition at 'DP-2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	EDA-2

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	EDA-2	6,683.741	12.600	0.57
Flow (In)	DP-2	6,683.741	12.600	0.57

Summary for Hydrograph Addition at 'DP-2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	EDA-2

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	EDA-2	36,393.316	12.350	5.34
Flow (In)	DP-2	36,393.316	12.350	5.34

Subsection: Addition Summary
Label: DP-2
Scenario: Pre-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Summary for Hydrograph Addition at 'DP-2'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	EDA-2

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	EDA-2	128,886.763	12.300	19.48
Flow (In)	DP-2	128,886.763	12.300	19.48

Subsection: Addition Summary
Label: DP-3
Scenario: Pre-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Summary for Hydrograph Addition at 'DP-3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	EDA-3

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	EDA-3	3,782.919	12.700	0.25
Flow (In)	DP-3	3,782.919	12.700	0.25

Subsection: Addition Summary
Label: DP-3
Scenario: Pre-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Summary for Hydrograph Addition at 'DP-3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	EDA-3

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	EDA-3	24,630.786	12.400	3.31
Flow (In)	DP-3	24,630.786	12.400	3.31

Subsection: Addition Summary
Label: DP-3
Scenario: Pre-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Summary for Hydrograph Addition at 'DP-3'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	EDA-3

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)	EDA-3	93,708.672	12.350	13.61
Flow (In)	DP-3	93,708.672	12.350	13.61

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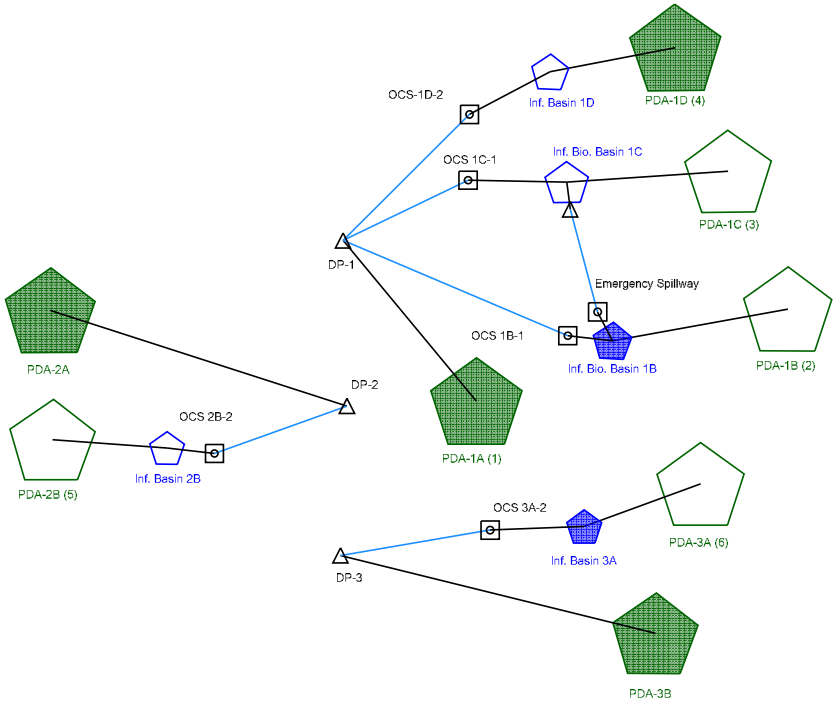
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APPENDIX B

PROPOSED HYDROLOGIC CALCULATIONS

Scenario: Post-Development 1 Year Storm



Project Summary	
Title	
Engineer	
Company	
Date	1/5/2024

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Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
EDA-1	Pre-Development 1 Year Storm	1	18,824.000	12.350	2.00
EDA-1	Pre-Development 10 Year Storm	10	92,868.000	12.250	15.88
EDA-1	Pre-Development 100 Year Storm	100	314,934.000	12.250	53.40
EDA-2	Pre-Development 1 Year Storm	1	6,684.000	12.600	0.57
EDA-2	Pre-Development 10 Year Storm	10	36,393.000	12.350	5.34
EDA-2	Pre-Development 100 Year Storm	100	128,887.000	12.300	19.48
PDA-1B (2)	Post-Development 1 Year Storm	1	3,776.000	12.000	1.25
PDA-1B (2)	Post-Development 10 Year Storm	10	12,715.000	12.000	4.22
PDA-1B (2)	Post-Development 100 Year Storm	100	35,428.000	12.000	10.44
PDA-1A (1)	Post-Development 1 Year Storm	1	5,904.000	12.050	1.51
PDA-1A (1)	Post-Development 10 Year Storm	10	24,740.000	12.000	7.81
PDA-1A (1)	Post-Development 100 Year Storm	100	77,565.000	12.000	22.90
PDA-2B (5)	Post-Development 1 Year Storm	1	35,405.000	12.000	14.14
PDA-2B (5)	Post-Development 10 Year Storm	10	86,750.000	12.000	29.06
PDA-2B (5)	Post-Development 100 Year Storm	100	199,632.000	12.000	56.40
PDA-3B	Post-Development 1 Year Storm	1	962.000	12.100	0.12
PDA-3B	Post-Development 10 Year Storm	10	5,238.000	12.000	1.51
PDA-3B	Post-Development 100 Year Storm	100	18,552.000	12.000	5.42
PDA-3A (6)	Post-Development 1 Year Storm	1	25,472.000	12.000	10.02
PDA-3A (6)	Post-Development 10 Year Storm	10	66,334.000	12.000	22.37
PDA-3A (6)	Post-Development 100 Year Storm	100	158,487.000	12.000	45.39
PDA-2A	Post-Development 1 Year Storm	1	1,351.000	12.100	0.17
PDA-2A	Post-Development 10 Year Storm	10	7,358.000	12.000	2.13
PDA-2A	Post-Development 100 Year Storm	100	26,063.000	12.000	7.62

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
PDA-1C (3)	Post-Development 1 Year Storm	1	11,642.000	12.000	4.16
PDA-1C (3)	Post-Development 10 Year Storm	10	36,283.000	12.000	12.16
PDA-1C (3)	Post-Development 100 Year Storm	100	96,646.000	12.000	28.36
PDA-1D (4)	Post-Development 1 Year Storm	1	21,782.000	12.000	8.27
PDA-1D (4)	Post-Development 10 Year Storm	10	61,813.000	12.000	20.87
PDA-1D (4)	Post-Development 100 Year Storm	100	155,657.000	12.000	45.22
EDA-3	Pre-Development 1 Year Storm	1	3,783.000	12.700	0.25
EDA-3	Pre-Development 10 Year Storm	10	24,631.000	12.400	3.31
EDA-3	Pre-Development 100 Year Storm	100	93,709.000	12.350	13.61

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DP-1	Pre-Development 1 Year Storm	1	18,824.000	12.350	2.00
DP-1	Post-Development 1 Year Storm	1	5,904.000	12.050	1.51
DP-1	Pre-Development 10 Year Storm	10	92,868.000	12.250	15.88
DP-1	Post-Development 10 Year Storm	10	25,014.000	12.000	7.81
DP-1	Pre-Development 100 Year Storm	100	314,934.000	12.250	53.40
DP-1	Post-Development 100 Year Storm	100	142,789.000	12.100	45.38
DP-2	Pre-Development 1 Year Storm	1	6,684.000	12.600	0.57
DP-2	Post-Development 1 Year Storm	1	1,351.000	12.100	0.17
DP-2	Pre-Development 10 Year Storm	10	36,393.000	12.350	5.34
DP-2	Post-Development 10 Year Storm	10	7,358.000	12.000	2.13
DP-2	Pre-Development 100 Year Storm	100	128,887.000	12.300	19.48
DP-2	Post-Development 100 Year Storm	100	89,334.000	12.200	19.33

Subsection: Master Network Summary

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DP-3	Pre-Development 1 Year Storm	1	3,783.000	12.700	0.25
DP-3	Post-Development 1 Year Storm	1	962.000	12.100	0.12
DP-3	Pre-Development 10 Year Storm	10	24,631.000	12.400	3.31
DP-3	Post-Development 10 Year Storm	10	5,238.000	12.000	1.51
DP-3	Pre-Development 100 Year Storm	100	93,709.000	12.350	13.61
DP-3	Post-Development 100 Year Storm	100	35,876.000	12.400	8.47

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
Inf. Basin 1D (IN)	Post-Development 1 Year Storm	1	21,782.000	12.000	8.27	(N/A)	(N/A)
Inf. Basin 1D (OUT)	Post-Development 1 Year Storm	1	0.000	0.000	0.00	440.32	3,641.000
Inf. Basin 1D (IN)	Post-Development 10 Year Storm	10	61,813.000	12.000	20.87	(N/A)	(N/A)
Inf. Basin 1D (OUT)	Post-Development 10 Year Storm	10	0.000	0.000	0.00	441.45	17,886.000
Inf. Basin 1D (IN)	Post-Development 100 Year Storm	100	155,657.000	12.000	45.22	(N/A)	(N/A)
Inf. Basin 1D (OUT)	Post-Development 100 Year Storm	100	32,772.000	12.250	11.97	442.79	37,616.000
Inf. Basin 3A (IN)	Post-Development 1 Year Storm	1	25,472.000	12.000	10.02	(N/A)	(N/A)
Inf. Basin 3A (OUT)	Post-Development 1 Year Storm	1	0.000	0.000	0.00	434.32	4,490.000

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
Inf. Basin 3A (IN)	Post-Development 10 Year Storm	10	66,334.000	12.000	22.37	(N/A)	(N/A)
Inf. Basin 3A (OUT)	Post-Development 10 Year Storm	10	0.000	0.000	0.00	435.26	18,547.000
Inf. Basin 3A (IN)	Post-Development 100 Year Storm	100	158,487.000	12.000	45.39	(N/A)	(N/A)
Inf. Basin 3A (OUT)	Post-Development 100 Year Storm	100	17,324.000	12.450	6.99	436.79	45,255.000
Inf. Basin 2B (IN)	Post-Development 1 Year Storm	1	35,405.000	12.000	14.14	(N/A)	(N/A)
Inf. Basin 2B (OUT)	Post-Development 1 Year Storm	1	0.000	0.000	0.00	432.81	13,103.000
Inf. Basin 2B (IN)	Post-Development 10 Year Storm	10	86,750.000	12.000	29.06	(N/A)	(N/A)
Inf. Basin 2B (OUT)	Post-Development 10 Year Storm	10	0.000	0.000	0.00	434.23	39,373.000
Inf. Basin 2B (IN)	Post-Development 100 Year Storm	100	199,632.000	12.000	56.40	(N/A)	(N/A)
Inf. Basin 2B (OUT)	Post-Development 100 Year Storm	100	63,272.000	12.250	16.54	435.63	69,179.000
Inf. Bio. Basin 1B (IN)	Post-Development 1 Year Storm	1	3,776.000	12.000	1.25	(N/A)	(N/A)
Inf. Bio. Basin 1B (OUT)	Post-Development 1 Year Storm	1	0.000	0.000	0.00	428.03	248.000
Inf. Bio. Basin 1B (IN)	Post-Development 10 Year Storm	10	12,715.000	12.000	4.22	(N/A)	(N/A)
Inf. Bio. Basin 1B (OUT)	Post-Development 10 Year Storm	10	0.000	0.000	0.00	428.23	1,687.000

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
Inf. Bio. Basin 1B (IN)	Post-Development 100 Year Storm	100	35,428.000	12.000	10.44	(N/A)	(N/A)
Inf. Bio. Basin 1B (OUT)	Post-Development 100 Year Storm	100	3,856.000	12.200	2.47	428.82	6,340.000
Inf. Bio. Basin 1C (IN)	Post-Development 1 Year Storm	1	11,642.000	12.000	4.16	(N/A)	(N/A)
Inf. Bio. Basin 1C (OUT)	Post-Development 1 Year Storm	1	0.000	0.000	0.00	427.16	1,657.000
Inf. Bio. Basin 1C (IN)	Post-Development 10 Year Storm	10	36,283.000	12.000	12.16	(N/A)	(N/A)
Inf. Bio. Basin 1C (OUT)	Post-Development 10 Year Storm	10	274.000	12.550	0.32	427.93	10,123.000
Inf. Bio. Basin 1C (IN)	Post-Development 100 Year Storm	100	96,646.000	12.000	28.36	(N/A)	(N/A)
Inf. Bio. Basin 1C (OUT)	Post-Development 100 Year Storm	100	28,597.000	12.100	17.93	428.44	16,148.000

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Time-Depth Curve: 1 Year Storm	
Label	1 Year Storm
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	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.1	0.1	0.1	0.1	0.1
3.000	0.1	0.1	0.1	0.1	0.1
3.500	0.1	0.2	0.2	0.2	0.2
4.000	0.2	0.2	0.2	0.2	0.2
4.500	0.2	0.2	0.2	0.2	0.2
5.000	0.2	0.2	0.2	0.2	0.2
5.500	0.2	0.3	0.3	0.3	0.3
6.000	0.3	0.3	0.3	0.3	0.3
6.500	0.3	0.3	0.3	0.3	0.3
7.000	0.3	0.3	0.4	0.4	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	0.5	0.5	0.5	0.5	0.5
9.000	0.5	0.5	0.5	0.5	0.5
9.500	0.5	0.6	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	0.7
11.000	0.8	0.8	0.8	0.8	0.9
11.500	0.9	1.0	1.0	1.1	1.2
12.000	1.6	1.8	1.9	1.9	2.0
12.500	2.1	2.1	2.1	2.1	2.2
13.000	2.2	2.2	2.2	2.2	2.3
13.500	2.3	2.3	2.3	2.3	2.3
14.000	2.3	2.3	2.4	2.4	2.4
14.500	2.4	2.4	2.4	2.4	2.4
15.000	2.4	2.5	2.5	2.5	2.5
15.500	2.5	2.5	2.5	2.5	2.5
16.000	2.5	2.5	2.5	2.6	2.6
16.500	2.6	2.6	2.6	2.6	2.6
17.000	2.6	2.6	2.6	2.6	2.6

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
17.500	2.6	2.6	2.6	2.7	2.7
18.000	2.7	2.7	2.7	2.7	2.7
18.500	2.7	2.7	2.7	2.7	2.7
19.000	2.7	2.7	2.7	2.7	2.7
19.500	2.7	2.8	2.8	2.8	2.8
20.000	2.8	2.8	2.8	2.8	2.8
20.500	2.8	2.8	2.8	2.8	2.8
21.000	2.8	2.8	2.8	2.8	2.8
21.500	2.8	2.8	2.8	2.9	2.9
22.000	2.9	2.9	2.9	2.9	2.9
22.500	2.9	2.9	2.9	2.9	2.9
23.000	2.9	2.9	2.9	2.9	2.9
23.500	2.9	2.9	2.9	2.9	2.9
24.000	2.9	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Time-Depth Curve: 10 Year Storm	
Label	10 Year Storm
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	0.1	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.3	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	0.5	0.6	0.6	0.6	0.6
6.500	0.6	0.6	0.6	0.6	0.7
7.000	0.7	0.7	0.7	0.7	0.7
7.500	0.7	0.8	0.8	0.8	0.8
8.000	0.8	0.8	0.8	0.9	0.9
8.500	0.9	0.9	0.9	0.9	1.0
9.000	1.0	1.0	1.0	1.0	1.1
9.500	1.1	1.1	1.1	1.1	1.2
10.000	1.2	1.2	1.2	1.3	1.3
10.500	1.3	1.4	1.4	1.4	1.5
11.000	1.5	1.5	1.6	1.6	1.7
11.500	1.8	1.9	2.0	2.1	2.3
12.000	3.0	3.2	3.4	3.5	3.7
12.500	3.8	3.8	3.9	3.9	4.0
13.000	4.0	4.0	4.1	4.1	4.1
13.500	4.2	4.2	4.2	4.3	4.3
14.000	4.3	4.3	4.4	4.4	4.4
14.500	4.4	4.4	4.5	4.5	4.5
15.000	4.5	4.5	4.6	4.6	4.6
15.500	4.6	4.6	4.6	4.7	4.7
16.000	4.7	4.7	4.7	4.7	4.8
16.500	4.8	4.8	4.8	4.8	4.8
17.000	4.8	4.8	4.9	4.9	4.9

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
17.500	4.9	4.9	4.9	4.9	4.9
18.000	5.0	5.0	5.0	5.0	5.0
18.500	5.0	5.0	5.0	5.0	5.1
19.000	5.1	5.1	5.1	5.1	5.1
19.500	5.1	5.1	5.1	5.1	5.2
20.000	5.2	5.2	5.2	5.2	5.2
20.500	5.2	5.2	5.2	5.2	5.2
21.000	5.3	5.3	5.3	5.3	5.3
21.500	5.3	5.3	5.3	5.3	5.3
22.000	5.3	5.3	5.4	5.4	5.4
22.500	5.4	5.4	5.4	5.4	5.4
23.000	5.4	5.4	5.4	5.4	5.5
23.500	5.5	5.5	5.5	5.5	5.5
24.000	5.5	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Time-Depth Curve: 100 Year Storm	
Label	100 Year Storm
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	0.1	0.1
0.500	0.1	0.1	0.1	0.1	0.1
1.000	0.2	0.2	0.2	0.2	0.2
1.500	0.2	0.3	0.3	0.3	0.3
2.000	0.3	0.3	0.4	0.4	0.4
2.500	0.4	0.4	0.4	0.5	0.5
3.000	0.5	0.5	0.5	0.6	0.6
3.500	0.6	0.6	0.6	0.7	0.7
4.000	0.7	0.7	0.7	0.7	0.8
4.500	0.8	0.8	0.8	0.9	0.9
5.000	0.9	0.9	0.9	1.0	1.0
5.500	1.0	1.0	1.1	1.1	1.1
6.000	1.1	1.1	1.2	1.2	1.2
6.500	1.2	1.3	1.3	1.3	1.3
7.000	1.4	1.4	1.4	1.5	1.5
7.500	1.5	1.5	1.6	1.6	1.6
8.000	1.7	1.7	1.7	1.8	1.8
8.500	1.8	1.9	1.9	1.9	2.0
9.000	2.0	2.0	2.1	2.1	2.2
9.500	2.2	2.3	2.3	2.3	2.4
10.000	2.4	2.5	2.5	2.6	2.7
10.500	2.7	2.8	2.8	2.9	3.0
11.000	3.1	3.1	3.2	3.3	3.4
11.500	3.6	3.8	4.0	4.3	4.7
12.000	5.8	6.3	6.6	6.8	7.1
12.500	7.3	7.4	7.5	7.6	7.7
13.000	7.8	7.8	7.9	8.0	8.0
13.500	8.1	8.1	8.2	8.3	8.3
14.000	8.4	8.4	8.5	8.5	8.5
14.500	8.6	8.6	8.7	8.7	8.7
15.000	8.8	8.8	8.9	8.9	8.9
15.500	9.0	9.0	9.0	9.1	9.1
16.000	9.1	9.2	9.2	9.2	9.2
16.500	9.3	9.3	9.3	9.4	9.4
17.000	9.4	9.4	9.5	9.5	9.5

Subsection: Time-Depth Curve
Label: NRCC (UCL) - 1.10.25.100 Yr Storm
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
17.500	9.5	9.6	9.6	9.6	9.6
18.000	9.7	9.7	9.7	9.7	9.8
18.500	9.8	9.8	9.8	9.8	9.9
19.000	9.9	9.9	9.9	10.0	10.0
19.500	10.0	10.0	10.0	10.1	10.1
20.000	10.1	10.1	10.1	10.2	10.2
20.500	10.2	10.2	10.2	10.2	10.3
21.000	10.3	10.3	10.3	10.3	10.4
21.500	10.4	10.4	10.4	10.4	10.4
22.000	10.5	10.5	10.5	10.5	10.5
22.500	10.5	10.6	10.6	10.6	10.6
23.000	10.6	10.6	10.7	10.7	10.7
23.500	10.7	10.7	10.7	10.7	10.8
24.000	10.8	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Runoff CN-Area
Label: PDA-1A (1)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	22,518.807	0.0	0.0	55.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	20,553.443	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	106,304.627	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	149,376.877	(N/A)	(N/A)	65.186

Subsection: Runoff CN-Area
Label: PDA-1B (2)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	17,285.285	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	41,823.555	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	59,108.840	(N/A)	(N/A)	71.820

Subsection: Runoff CN-Area
Label: PDA-1C (3)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	4,974.874	0.0	0.0	55.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	59,520.867	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	88,170.305	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	152,666.045	(N/A)	(N/A)	75.230

Subsection: Runoff CN-Area
Label: PDA-1D (4)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	114,360.669	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	115,453.516	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	229,814.185	(N/A)	(N/A)	79.412

Subsection: Runoff CN-Area
Label: PDA-2A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	23,793.785	0.0	0.0	55.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	34,253.352	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	58,047.137	(N/A)	(N/A)	58.541

Subsection: Runoff CN-Area
Label: PDA-2B (5)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	954.895	0.0	0.0	55.000
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	179,328.013	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	84,836.643	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	265,119.551	(N/A)	(N/A)	86.005

Subsection: Runoff CN-Area
Label: PDA-3A (6)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil B	98.000	133,227.267	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	86,637.001	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	219,864.268	(N/A)	(N/A)	83.420

Subsection: Runoff CN-Area
Label: PDA-3B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Woods - good - Soil B	55.000	11,456.467	0.0	0.0	55.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil B	61.000	29,863.777	0.0	0.0	61.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	41,320.244	(N/A)	(N/A)	59.336

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1A (1) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	149,376.877 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.800	0.00	0.03	0.09	0.46	1.33
12.050	1.51	1.14	0.94	0.76	0.68
12.300	0.62	0.58	0.55	0.56	0.57
12.550	0.47	0.34	0.31	0.30	0.27
12.800	0.22	0.21	0.21	0.21	0.21
13.050	0.21	0.21	0.22	0.22	0.22
13.300	0.22	0.22	0.22	0.18	0.13
13.550	0.16	0.21	0.18	0.13	0.16
13.800	0.22	0.19	0.13	0.12	0.12
14.050	0.12	0.12	0.16	0.22	0.19
14.300	0.14	0.12	0.12	0.12	0.12
14.550	0.12	0.12	0.12	0.12	0.12
14.800	0.12	0.12	0.12	0.12	0.13
15.050	0.13	0.13	0.13	0.13	0.13
15.300	0.13	0.13	0.13	0.13	0.13
15.550	0.08	0.02	0.05	0.11	0.13
15.800	0.13	0.13	0.13	0.13	0.13
16.050	0.08	0.02	0.05	0.11	0.13
16.300	0.13	0.13	0.13	0.08	0.02
16.550	0.05	0.11	0.13	0.13	0.08
16.800	0.02	0.06	0.12	0.13	0.13
17.050	0.08	0.02	0.06	0.12	0.13
17.300	0.14	0.09	0.02	0.06	0.12
17.550	0.13	0.14	0.09	0.02	0.06
17.800	0.12	0.08	0.02	0.06	0.12
18.050	0.13	0.14	0.09	0.02	0.06
18.300	0.12	0.08	0.02	0.06	0.12
18.550	0.08	0.02	0.06	0.12	0.08
18.800	0.02	0.06	0.12	0.14	0.14
19.050	0.09	0.02	0.06	0.12	0.08
19.300	0.02	0.06	0.12	0.09	0.02
19.550	0.06	0.12	0.09	0.02	0.06
19.800	0.12	0.09	0.02	0.06	0.12
20.050	0.09	0.02	0.00	0.00	0.05

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1A (1) Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.300	0.12	0.09	0.02	0.06	0.13
20.550	0.09	0.02	0.06	0.13	0.09
20.800	0.02	0.06	0.13	0.09	0.02
21.050	0.06	0.13	0.09	0.02	0.01
21.300	0.00	0.06	0.13	0.09	0.02
21.550	0.06	0.13	0.09	0.02	0.06
21.800	0.13	0.09	0.02	0.01	0.00
22.050	0.06	0.13	0.09	0.02	0.06
22.300	0.13	0.09	0.02	0.01	0.00
22.550	0.06	0.13	0.09	0.02	0.06
22.800	0.13	0.09	0.02	0.01	0.00
23.050	0.06	0.13	0.09	0.02	0.01
23.300	0.00	0.06	0.13	0.09	0.02
23.550	0.06	0.13	0.09	0.02	0.01
23.800	0.00	0.06	0.13	0.09	0.02
24.050	0.01	0.00	0.00	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1A (1) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	149,376.877 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.550	0.00	0.00	0.01	0.01	0.01
9.800	0.01	0.02	0.03	0.03	0.03
10.050	0.03	0.04	0.04	0.04	0.05
10.300	0.06	0.07	0.07	0.08	0.08
10.550	0.09	0.09	0.10	0.10	0.12
10.800	0.15	0.15	0.13	0.15	0.18
11.050	0.19	0.20	0.23	0.26	0.28
11.300	0.30	0.31	0.32	0.36	0.40
11.550	0.57	0.78	0.94	1.09	1.25
11.800	1.43	1.74	2.12	4.43	7.81
12.050	7.16	4.97	3.96	3.19	2.78
12.300	2.45	2.32	2.25	2.11	1.95
12.550	1.63	1.27	1.12	1.01	0.98
12.800	0.98	0.91	0.82	0.80	0.80
13.050	0.80	0.80	0.81	0.81	0.74
13.300	0.64	0.62	0.62	0.62	0.62
13.550	0.62	0.62	0.62	0.62	0.62
13.800	0.63	0.55	0.45	0.51	0.60
14.050	0.55	0.45	0.43	0.42	0.50
14.300	0.61	0.55	0.46	0.43	0.43
14.550	0.43	0.43	0.43	0.43	0.43
14.800	0.43	0.43	0.43	0.43	0.43
15.050	0.43	0.43	0.44	0.44	0.35
15.300	0.25	0.31	0.41	0.43	0.44
15.550	0.36	0.25	0.31	0.41	0.43
15.800	0.44	0.36	0.25	0.31	0.41
16.050	0.35	0.25	0.31	0.41	0.35
16.300	0.25	0.31	0.41	0.36	0.26
16.550	0.23	0.23	0.31	0.41	0.36
16.800	0.26	0.23	0.23	0.31	0.42
17.050	0.36	0.26	0.23	0.23	0.31
17.300	0.42	0.36	0.26	0.23	0.23
17.550	0.23	0.23	0.31	0.42	0.36
17.800	0.26	0.24	0.23	0.23	0.23

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1A (1) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
18.050	0.23	0.23	0.23	0.23	0.32
18.300	0.42	0.37	0.26	0.24	0.23
18.550	0.23	0.23	0.23	0.23	0.23
18.800	0.23	0.23	0.23	0.23	0.23
19.050	0.23	0.23	0.23	0.23	0.23
19.300	0.23	0.23	0.23	0.23	0.23
19.550	0.23	0.23	0.23	0.23	0.23
19.800	0.23	0.23	0.23	0.23	0.23
20.050	0.23	0.23	0.23	0.23	0.23
20.300	0.23	0.23	0.23	0.23	0.23
20.550	0.24	0.24	0.24	0.24	0.15
20.800	0.04	0.10	0.20	0.23	0.23
21.050	0.24	0.24	0.24	0.24	0.24
21.300	0.24	0.24	0.24	0.15	0.04
21.550	0.10	0.20	0.23	0.24	0.24
21.800	0.24	0.24	0.24	0.24	0.24
22.050	0.15	0.04	0.10	0.20	0.23
22.300	0.24	0.24	0.24	0.24	0.24
22.550	0.15	0.04	0.10	0.20	0.23
22.800	0.24	0.24	0.24	0.24	0.24
23.050	0.15	0.04	0.10	0.21	0.23
23.300	0.24	0.24	0.24	0.15	0.04
23.550	0.10	0.21	0.23	0.24	0.24
23.800	0.24	0.15	0.04	0.10	0.21
24.050	0.14	0.03	0.01	0.00	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1A (1) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	149,376.877 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
5.900	0.00	0.00	0.01	0.01	0.01
6.150	0.02	0.02	0.02	0.03	0.03
6.400	0.03	0.04	0.05	0.05	0.04
6.650	0.05	0.07	0.08	0.08	0.07
6.900	0.06	0.08	0.09	0.10	0.11
7.150	0.10	0.08	0.10	0.12	0.13
7.400	0.13	0.14	0.14	0.15	0.15
7.650	0.16	0.16	0.17	0.17	0.17
7.900	0.18	0.18	0.19	0.19	0.20
8.150	0.20	0.20	0.23	0.27	0.26
8.400	0.23	0.23	0.23	0.27	0.31
8.650	0.29	0.26	0.29	0.33	0.35
8.900	0.36	0.33	0.29	0.32	0.37
9.150	0.38	0.39	0.40	0.40	0.41
9.400	0.42	0.46	0.52	0.50	0.46
9.650	0.45	0.46	0.50	0.57	0.59
9.900	0.60	0.61	0.62	0.63	0.63
10.150	0.64	0.65	0.66	0.67	0.72
10.400	0.80	0.82	0.84	0.85	0.86
10.650	0.93	1.01	1.04	1.05	1.07
10.900	1.08	1.15	1.24	1.28	1.30
11.150	1.38	1.47	1.51	1.54	1.69
11.400	1.87	2.01	2.13	2.88	3.83
11.650	4.28	4.61	5.16	5.77	6.75
11.900	7.86	14.37	22.90	20.30	14.29
12.150	11.31	8.99	7.90	7.09	6.63
12.400	6.25	5.88	5.51	4.62	3.59
12.650	3.14	2.83	2.65	2.51	2.48
12.900	2.48	2.38	2.25	2.12	1.98
13.150	1.95	1.95	1.95	1.95	1.85
13.400	1.72	1.69	1.68	1.68	1.68
13.650	1.69	1.69	1.58	1.45	1.42
13.900	1.41	1.41	1.41	1.42	1.42
14.150	1.42	1.42	1.31	1.18	1.25

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1A (1) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
14.400	1.38	1.31	1.18	1.15	1.14
14.650	1.14	1.14	1.14	1.15	1.15
14.900	1.15	1.15	1.15	1.04	0.91
15.150	0.98	1.11	1.14	1.15	1.04
15.400	0.91	0.98	1.11	1.04	0.91
15.650	0.88	0.87	0.87	0.87	0.98
15.900	1.12	1.04	0.91	0.88	0.87
16.150	0.87	0.87	0.87	0.87	0.87
16.400	0.87	0.87	0.87	0.87	0.87
16.650	0.77	0.63	0.70	0.83	0.87
16.900	0.87	0.88	0.88	0.77	0.63
17.150	0.71	0.84	0.76	0.63	0.71
17.400	0.84	0.87	0.88	0.77	0.63
17.650	0.71	0.84	0.76	0.63	0.60
17.900	0.59	0.70	0.84	0.76	0.63
18.150	0.60	0.59	0.70	0.84	0.76
18.400	0.63	0.60	0.59	0.70	0.84
18.650	0.77	0.63	0.60	0.59	0.59
18.900	0.59	0.59	0.59	0.59	0.59
19.150	0.70	0.84	0.77	0.64	0.60
19.400	0.60	0.59	0.59	0.59	0.59
19.650	0.59	0.59	0.59	0.59	0.59
19.900	0.59	0.59	0.59	0.59	0.59
20.150	0.60	0.60	0.60	0.60	0.60
20.400	0.60	0.48	0.34	0.42	0.55
20.650	0.59	0.59	0.60	0.60	0.60
20.900	0.60	0.60	0.60	0.49	0.34
21.150	0.42	0.55	0.59	0.60	0.60
21.400	0.60	0.60	0.60	0.49	0.34
21.650	0.42	0.56	0.59	0.60	0.49
21.900	0.34	0.42	0.56	0.59	0.60
22.150	0.60	0.60	0.49	0.35	0.42
22.400	0.56	0.59	0.60	0.49	0.35
22.650	0.42	0.56	0.48	0.34	0.42
22.900	0.56	0.59	0.60	0.49	0.35
23.150	0.42	0.56	0.48	0.34	0.42
23.400	0.56	0.48	0.34	0.42	0.56
23.650	0.48	0.34	0.42	0.56	0.48
23.900	0.35	0.42	0.56	0.37	0.09
24.150	0.02	0.00	0.00	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1B (2) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	59,108.840 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.100	0.00	0.00	0.00	0.01	0.01
11.350	0.01	0.01	0.02	0.02	0.03
11.600	0.05	0.06	0.09	0.11	0.14
11.850	0.18	0.24	0.62	1.25	1.21
12.100	0.83	0.65	0.51	0.44	0.39
12.350	0.37	0.35	0.34	0.35	0.29
12.600	0.20	0.19	0.18	0.16	0.13
12.850	0.12	0.12	0.12	0.12	0.13
13.100	0.13	0.13	0.13	0.13	0.13
13.350	0.13	0.13	0.11	0.07	0.09
13.600	0.12	0.10	0.08	0.09	0.12
13.850	0.11	0.08	0.07	0.07	0.07
14.100	0.07	0.09	0.12	0.11	0.08
14.350	0.07	0.07	0.07	0.07	0.07
14.600	0.07	0.07	0.07	0.07	0.07
14.850	0.07	0.07	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	0.04
15.600	0.01	0.03	0.06	0.07	0.07
15.850	0.07	0.07	0.07	0.07	0.04
16.100	0.01	0.03	0.06	0.07	0.07
16.350	0.07	0.07	0.05	0.01	0.03
16.600	0.06	0.07	0.07	0.05	0.01
16.850	0.03	0.06	0.07	0.07	0.05
17.100	0.01	0.03	0.06	0.07	0.07
17.350	0.05	0.01	0.03	0.06	0.07
17.600	0.07	0.05	0.01	0.03	0.06
17.850	0.04	0.01	0.03	0.06	0.07
18.100	0.07	0.05	0.01	0.03	0.06
18.350	0.04	0.01	0.03	0.06	0.04
18.600	0.01	0.03	0.06	0.04	0.01
18.850	0.03	0.06	0.07	0.08	0.05
19.100	0.01	0.03	0.07	0.05	0.01
19.350	0.03	0.07	0.05	0.01	0.03

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1B (2) Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
19.600	0.07	0.05	0.01	0.03	0.07
19.850	0.05	0.01	0.03	0.07	0.05
20.100	0.01	0.00	0.00	0.03	0.07
20.350	0.05	0.01	0.03	0.07	0.05
20.600	0.01	0.03	0.07	0.05	0.01
20.850	0.03	0.07	0.05	0.01	0.03
21.100	0.07	0.05	0.01	0.00	0.00
21.350	0.03	0.07	0.05	0.01	0.03
21.600	0.07	0.05	0.01	0.03	0.07
21.850	0.05	0.01	0.00	0.00	0.03
22.100	0.07	0.05	0.01	0.03	0.07
22.350	0.05	0.01	0.00	0.00	0.03
22.600	0.07	0.05	0.01	0.03	0.07
22.850	0.05	0.01	0.00	0.00	0.03
23.100	0.07	0.05	0.01	0.00	0.00
23.350	0.03	0.07	0.05	0.01	0.03
23.600	0.07	0.05	0.01	0.00	0.00
23.850	0.03	0.07	0.05	0.01	0.00
24.100	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1B (2) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	59,108.840 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
7.900	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	0.02
8.650	0.01	0.01	0.01	0.02	0.02
8.900	0.02	0.02	0.02	0.03	0.03
9.150	0.03	0.03	0.03	0.03	0.03
9.400	0.03	0.04	0.04	0.04	0.04
9.650	0.04	0.04	0.04	0.04	0.05
9.900	0.07	0.06	0.05	0.06	0.07
10.150	0.07	0.06	0.07	0.08	0.09
10.400	0.09	0.09	0.09	0.10	0.10
10.650	0.10	0.10	0.12	0.14	0.13
10.900	0.12	0.13	0.15	0.16	0.16
11.150	0.18	0.20	0.21	0.22	0.22
11.400	0.23	0.25	0.28	0.39	0.52
11.650	0.61	0.69	0.78	0.87	1.03
11.900	1.23	2.48	4.22	3.76	2.56
12.150	2.01	1.60	1.39	1.21	1.15
12.400	1.10	1.03	0.95	0.79	0.62
12.650	0.54	0.49	0.47	0.47	0.44
12.900	0.39	0.38	0.38	0.38	0.38
13.150	0.39	0.39	0.35	0.31	0.29
13.400	0.29	0.29	0.29	0.29	0.29
13.650	0.29	0.29	0.30	0.30	0.26
13.900	0.21	0.24	0.28	0.26	0.21
14.150	0.20	0.20	0.24	0.28	0.26
14.400	0.21	0.20	0.20	0.20	0.20
14.650	0.20	0.20	0.20	0.20	0.20
14.900	0.20	0.20	0.20	0.20	0.20
15.150	0.20	0.20	0.17	0.12	0.14
15.400	0.19	0.20	0.20	0.17	0.12
15.650	0.14	0.19	0.20	0.20	0.17
15.900	0.12	0.14	0.19	0.16	0.12
16.150	0.14	0.19	0.16	0.12	0.15

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1B (2) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
16.400	0.19	0.16	0.12	0.11	0.10
16.650	0.14	0.19	0.16	0.12	0.11
16.900	0.10	0.14	0.19	0.17	0.12
17.150	0.11	0.10	0.14	0.19	0.17
17.400	0.12	0.11	0.11	0.10	0.10
17.650	0.14	0.19	0.17	0.12	0.11
17.900	0.11	0.10	0.10	0.10	0.11
18.150	0.11	0.11	0.14	0.19	0.17
18.400	0.12	0.11	0.11	0.11	0.11
18.650	0.11	0.11	0.11	0.11	0.11
18.900	0.11	0.11	0.11	0.11	0.11
19.150	0.11	0.11	0.11	0.11	0.11
19.400	0.11	0.11	0.11	0.11	0.11
19.650	0.11	0.11	0.11	0.11	0.11
19.900	0.11	0.11	0.11	0.11	0.11
20.150	0.11	0.11	0.11	0.11	0.11
20.400	0.11	0.11	0.11	0.11	0.11
20.650	0.11	0.11	0.07	0.02	0.04
20.900	0.09	0.10	0.11	0.11	0.11
21.150	0.11	0.11	0.11	0.11	0.11
21.400	0.11	0.07	0.02	0.04	0.09
21.650	0.10	0.11	0.11	0.11	0.11
21.900	0.11	0.11	0.11	0.07	0.02
22.150	0.04	0.09	0.10	0.11	0.11
22.400	0.11	0.11	0.11	0.07	0.02
22.650	0.04	0.09	0.10	0.11	0.11
22.900	0.11	0.11	0.11	0.07	0.02
23.150	0.04	0.09	0.10	0.11	0.11
23.400	0.11	0.07	0.02	0.04	0.09
23.650	0.10	0.11	0.11	0.11	0.07
23.900	0.02	0.04	0.09	0.06	0.02
24.150	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1B (2) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	59,108.840 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
4.550	0.00	0.00	0.00	0.01	0.01
4.800	0.01	0.01	0.01	0.01	0.01
5.050	0.01	0.02	0.02	0.02	0.02
5.300	0.03	0.03	0.03	0.03	0.03
5.550	0.03	0.03	0.04	0.05	0.04
5.800	0.04	0.04	0.04	0.05	0.06
6.050	0.05	0.05	0.04	0.05	0.06
6.300	0.07	0.06	0.05	0.06	0.08
6.550	0.07	0.06	0.07	0.08	0.09
6.800	0.09	0.08	0.07	0.08	0.09
7.050	0.10	0.10	0.09	0.08	0.09
7.300	0.10	0.11	0.11	0.12	0.12
7.550	0.12	0.12	0.12	0.12	0.13
7.800	0.13	0.13	0.13	0.13	0.14
8.050	0.14	0.14	0.14	0.14	0.16
8.300	0.19	0.18	0.16	0.15	0.15
8.550	0.17	0.20	0.19	0.17	0.18
8.800	0.21	0.22	0.22	0.20	0.18
9.050	0.20	0.22	0.23	0.24	0.24
9.300	0.24	0.24	0.25	0.27	0.30
9.550	0.29	0.27	0.26	0.26	0.29
9.800	0.32	0.33	0.34	0.34	0.34
10.050	0.35	0.35	0.35	0.36	0.36
10.300	0.36	0.39	0.43	0.44	0.45
10.550	0.45	0.46	0.49	0.53	0.54
10.800	0.55	0.56	0.56	0.60	0.64
11.050	0.66	0.66	0.70	0.75	0.76
11.300	0.77	0.84	0.94	1.00	1.05
11.550	1.42	1.87	2.08	2.23	2.47
11.800	2.74	3.18	3.68	6.64	10.44
12.050	9.15	6.39	5.02	3.97	3.48
12.300	3.11	2.90	2.73	2.56	2.40
12.550	2.01	1.56	1.36	1.22	1.15
12.800	1.09	1.07	1.07	1.03	0.97

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1B (2) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
13.050	0.91	0.85	0.84	0.84	0.84
13.300	0.84	0.79	0.74	0.72	0.72
13.550	0.72	0.72	0.72	0.72	0.68
13.800	0.62	0.61	0.61	0.60	0.60
14.050	0.61	0.61	0.61	0.61	0.56
14.300	0.50	0.54	0.59	0.56	0.50
14.550	0.49	0.49	0.49	0.49	0.49
14.800	0.49	0.49	0.49	0.49	0.49
15.050	0.44	0.39	0.42	0.47	0.49
15.300	0.49	0.44	0.39	0.42	0.47
15.550	0.44	0.39	0.37	0.37	0.37
15.800	0.37	0.41	0.47	0.44	0.39
16.050	0.37	0.37	0.37	0.37	0.37
16.300	0.37	0.37	0.37	0.37	0.37
16.550	0.37	0.37	0.32	0.27	0.30
16.800	0.35	0.37	0.37	0.37	0.37
17.050	0.32	0.27	0.30	0.35	0.32
17.300	0.27	0.30	0.35	0.37	0.37
17.550	0.33	0.27	0.30	0.35	0.32
17.800	0.27	0.25	0.25	0.29	0.35
18.050	0.32	0.27	0.25	0.25	0.30
18.300	0.35	0.32	0.27	0.25	0.25
18.550	0.30	0.35	0.32	0.27	0.25
18.800	0.25	0.25	0.25	0.25	0.25
19.050	0.25	0.25	0.30	0.36	0.32
19.300	0.27	0.25	0.25	0.25	0.25
19.550	0.25	0.25	0.25	0.25	0.25
19.800	0.25	0.25	0.25	0.25	0.25
20.050	0.25	0.25	0.25	0.25	0.25
20.300	0.25	0.25	0.25	0.20	0.14
20.550	0.18	0.23	0.25	0.25	0.25
20.800	0.25	0.25	0.25	0.25	0.25
21.050	0.20	0.14	0.18	0.23	0.25
21.300	0.25	0.25	0.25	0.25	0.25
21.550	0.20	0.14	0.18	0.23	0.25
21.800	0.25	0.20	0.14	0.18	0.23
22.050	0.25	0.25	0.25	0.25	0.20
22.300	0.14	0.18	0.23	0.25	0.25
22.550	0.20	0.14	0.18	0.23	0.20
22.800	0.14	0.18	0.23	0.25	0.25
23.050	0.20	0.14	0.18	0.23	0.20
23.300	0.14	0.18	0.23	0.20	0.14
23.550	0.18	0.23	0.20	0.14	0.18

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1B (2) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
23.800	0.23	0.20	0.14	0.18	0.23
24.050	0.15	0.04	0.01	0.00	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1C (3) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	152,666.045 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
10.500	0.00	0.00	0.00	0.01	0.01
10.750	0.01	0.01	0.02	0.02	0.03
11.000	0.03	0.04	0.06	0.06	0.06
11.250	0.07	0.09	0.09	0.08	0.10
11.500	0.15	0.19	0.23	0.30	0.39
11.750	0.46	0.54	0.69	0.87	2.14
12.000	4.16	3.89	2.62	2.03	1.56
12.250	1.35	1.20	1.11	1.04	1.04
12.500	1.04	0.86	0.61	0.55	0.54
12.750	0.47	0.39	0.37	0.37	0.37
13.000	0.37	0.37	0.37	0.37	0.37
13.250	0.38	0.38	0.38	0.38	0.31
13.500	0.22	0.27	0.36	0.31	0.22
13.750	0.27	0.36	0.31	0.22	0.20
14.000	0.20	0.20	0.20	0.27	0.36
14.250	0.31	0.23	0.21	0.20	0.20
14.500	0.20	0.20	0.20	0.20	0.20
14.750	0.20	0.20	0.20	0.20	0.20
15.000	0.20	0.20	0.20	0.20	0.20
15.250	0.20	0.20	0.20	0.20	0.21
15.500	0.21	0.13	0.03	0.08	0.18
15.750	0.20	0.21	0.21	0.21	0.21
16.000	0.21	0.13	0.03	0.09	0.18
16.250	0.20	0.21	0.21	0.21	0.13
16.500	0.03	0.09	0.18	0.20	0.21
16.750	0.13	0.03	0.09	0.18	0.20
17.000	0.21	0.13	0.03	0.09	0.18
17.250	0.21	0.21	0.13	0.03	0.09
17.500	0.18	0.21	0.21	0.13	0.03
17.750	0.09	0.18	0.13	0.03	0.09
18.000	0.18	0.21	0.21	0.13	0.03
18.250	0.09	0.18	0.13	0.03	0.09
18.500	0.19	0.13	0.03	0.09	0.19
18.750	0.13	0.03	0.09	0.19	0.21

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1C (3) Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
19.000	0.22	0.14	0.03	0.09	0.19
19.250	0.13	0.03	0.09	0.19	0.13
19.500	0.03	0.09	0.19	0.13	0.03
19.750	0.09	0.19	0.13	0.03	0.09
20.000	0.19	0.13	0.03	0.01	0.00
20.250	0.08	0.19	0.13	0.03	0.09
20.500	0.19	0.13	0.03	0.09	0.19
20.750	0.13	0.03	0.09	0.19	0.13
21.000	0.03	0.09	0.19	0.13	0.03
21.250	0.01	0.00	0.08	0.19	0.13
21.500	0.03	0.09	0.19	0.13	0.03
21.750	0.09	0.19	0.13	0.03	0.01
22.000	0.00	0.08	0.19	0.13	0.03
22.250	0.09	0.19	0.13	0.03	0.01
22.500	0.00	0.08	0.19	0.13	0.03
22.750	0.09	0.19	0.13	0.03	0.01
23.000	0.00	0.08	0.19	0.13	0.03
23.250	0.01	0.00	0.09	0.19	0.13
23.500	0.03	0.09	0.19	0.13	0.03
23.750	0.01	0.00	0.09	0.19	0.13
24.000	0.03	0.01	0.00	0.00	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1C (3) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	152,666.045 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
7.050	0.00	0.00	0.00	0.00	0.01
7.300	0.01	0.01	0.01	0.01	0.01
7.550	0.02	0.03	0.03	0.02	0.03
7.800	0.04	0.03	0.03	0.03	0.05
8.050	0.04	0.03	0.04	0.06	0.05
8.300	0.04	0.05	0.07	0.08	0.08
8.550	0.08	0.09	0.07	0.05	0.07
8.800	0.09	0.10	0.10	0.11	0.11
9.050	0.12	0.12	0.12	0.12	0.13
9.300	0.13	0.13	0.14	0.14	0.14
9.550	0.15	0.15	0.15	0.16	0.16
9.800	0.16	0.20	0.24	0.22	0.19
10.050	0.21	0.26	0.24	0.20	0.23
10.300	0.28	0.29	0.30	0.31	0.32
10.550	0.32	0.33	0.33	0.34	0.39
10.800	0.45	0.43	0.38	0.42	0.48
11.050	0.50	0.51	0.57	0.65	0.67
11.300	0.69	0.70	0.72	0.78	0.87
11.550	1.19	1.60	1.86	2.10	2.34
11.800	2.59	3.06	3.63	7.25	12.16
12.050	10.75	7.26	5.67	4.51	3.89
12.300	3.39	3.20	3.08	2.87	2.64
12.550	2.21	1.71	1.50	1.35	1.32
12.800	1.31	1.21	1.09	1.06	1.06
13.050	1.06	1.06	1.06	1.07	0.97
13.300	0.84	0.81	0.81	0.81	0.81
13.550	0.81	0.81	0.81	0.81	0.81
13.800	0.81	0.71	0.58	0.66	0.78
14.050	0.71	0.59	0.56	0.55	0.65
14.300	0.78	0.71	0.59	0.56	0.55
14.550	0.55	0.55	0.55	0.55	0.55
14.800	0.55	0.55	0.55	0.55	0.55
15.050	0.55	0.56	0.56	0.56	0.45
15.300	0.32	0.39	0.52	0.55	0.56

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1C (3) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
15.550	0.45	0.32	0.39	0.52	0.55
15.800	0.56	0.46	0.32	0.40	0.52
16.050	0.45	0.32	0.40	0.52	0.45
16.300	0.32	0.40	0.52	0.45	0.32
16.550	0.29	0.28	0.39	0.52	0.45
16.800	0.32	0.29	0.28	0.39	0.52
17.050	0.45	0.32	0.29	0.29	0.39
17.300	0.53	0.45	0.33	0.29	0.29
17.550	0.28	0.28	0.39	0.53	0.45
17.800	0.33	0.29	0.29	0.29	0.29
18.050	0.29	0.29	0.29	0.29	0.39
18.300	0.53	0.46	0.33	0.30	0.29
18.550	0.29	0.29	0.29	0.29	0.29
18.800	0.29	0.29	0.29	0.29	0.29
19.050	0.29	0.29	0.29	0.29	0.29
19.300	0.29	0.29	0.29	0.29	0.29
19.550	0.29	0.29	0.29	0.29	0.29
19.800	0.29	0.29	0.29	0.29	0.29
20.050	0.29	0.29	0.29	0.29	0.29
20.300	0.29	0.29	0.29	0.29	0.29
20.550	0.29	0.29	0.29	0.29	0.18
20.800	0.04	0.12	0.25	0.28	0.29
21.050	0.29	0.29	0.29	0.29	0.29
21.300	0.29	0.29	0.29	0.18	0.04
21.550	0.12	0.25	0.28	0.29	0.29
21.800	0.29	0.29	0.29	0.29	0.29
22.050	0.18	0.04	0.12	0.25	0.28
22.300	0.29	0.29	0.29	0.29	0.29
22.550	0.18	0.04	0.12	0.25	0.28
22.800	0.29	0.29	0.29	0.29	0.29
23.050	0.18	0.04	0.12	0.25	0.28
23.300	0.29	0.29	0.29	0.18	0.04
23.550	0.12	0.25	0.28	0.29	0.29
23.800	0.29	0.18	0.04	0.12	0.25
24.050	0.17	0.04	0.01	0.00	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1C (3) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	152,666.045 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
3.950	0.00	0.00	0.00	0.01	0.01
4.200	0.02	0.02	0.02	0.03	0.03
4.450	0.04	0.04	0.05	0.07	0.07
4.700	0.06	0.06	0.07	0.07	0.07
4.950	0.08	0.08	0.08	0.09	0.09
5.200	0.10	0.12	0.15	0.14	0.12
5.450	0.12	0.12	0.12	0.12	0.15
5.700	0.19	0.18	0.15	0.15	0.15
5.950	0.18	0.22	0.20	0.17	0.17
6.200	0.17	0.20	0.25	0.23	0.19
6.450	0.22	0.27	0.25	0.21	0.24
6.700	0.29	0.30	0.31	0.28	0.23
6.950	0.26	0.31	0.33	0.34	0.30
7.200	0.25	0.28	0.34	0.36	0.37
7.450	0.37	0.38	0.38	0.39	0.39
7.700	0.40	0.40	0.41	0.41	0.42
7.950	0.42	0.43	0.43	0.43	0.44
8.200	0.44	0.50	0.58	0.55	0.48
8.450	0.47	0.47	0.53	0.61	0.58
8.700	0.51	0.56	0.64	0.66	0.67
8.950	0.62	0.54	0.59	0.67	0.70
9.200	0.71	0.71	0.72	0.73	0.73
9.450	0.81	0.90	0.86	0.78	0.77
9.700	0.77	0.85	0.94	0.97	0.99
9.950	1.00	1.00	1.01	1.02	1.03
10.200	1.03	1.04	1.05	1.13	1.24
10.450	1.28	1.29	1.30	1.31	1.40
10.700	1.52	1.56	1.57	1.59	1.60
10.950	1.69	1.82	1.86	1.88	1.98
11.200	2.11	2.15	2.17	2.37	2.62
11.450	2.80	2.95	3.96	5.21	5.78
11.700	6.17	6.82	7.57	8.75	10.09
11.950	18.12	28.36	24.75	17.21	13.50
12.200	10.66	9.31	8.33	7.76	7.30

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1C (3) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
12.450	6.85	6.40	5.36	4.15	3.62
12.700	3.26	3.06	2.89	2.85	2.85
12.950	2.73	2.58	2.43	2.27	2.23
13.200	2.23	2.23	2.23	2.11	1.96
13.450	1.92	1.92	1.92	1.92	1.92
13.700	1.92	1.80	1.65	1.61	1.60
13.950	1.60	1.60	1.60	1.61	1.61
14.200	1.61	1.49	1.34	1.42	1.56
14.450	1.48	1.34	1.30	1.29	1.29
14.700	1.29	1.29	1.29	1.29	1.29
14.950	1.29	1.29	1.17	1.02	1.10
15.200	1.25	1.28	1.29	1.17	1.02
15.450	1.11	1.25	1.16	1.02	0.98
15.700	0.98	0.97	0.97	1.10	1.25
15.950	1.17	1.02	0.99	0.98	0.98
16.200	0.98	0.98	0.98	0.98	0.98
16.450	0.98	0.98	0.98	0.98	0.86
16.700	0.70	0.79	0.93	0.97	0.98
16.950	0.98	0.98	0.86	0.70	0.79
17.200	0.93	0.85	0.70	0.79	0.93
17.450	0.97	0.98	0.86	0.70	0.79
17.700	0.93	0.85	0.70	0.67	0.66
17.950	0.78	0.93	0.85	0.70	0.67
18.200	0.66	0.78	0.93	0.85	0.70
18.450	0.67	0.66	0.78	0.93	0.85
18.700	0.70	0.67	0.66	0.66	0.66
18.950	0.66	0.66	0.66	0.66	0.78
19.200	0.94	0.85	0.70	0.67	0.66
19.450	0.66	0.66	0.66	0.66	0.66
19.700	0.66	0.66	0.66	0.66	0.66
19.950	0.66	0.66	0.66	0.66	0.66
20.200	0.66	0.66	0.66	0.66	0.66
20.450	0.54	0.38	0.46	0.61	0.65
20.700	0.66	0.66	0.66	0.66	0.66
20.950	0.66	0.66	0.54	0.38	0.47
21.200	0.61	0.65	0.66	0.66	0.66
21.450	0.66	0.66	0.54	0.38	0.47
21.700	0.61	0.65	0.66	0.54	0.38
21.950	0.47	0.61	0.65	0.66	0.66
22.200	0.66	0.54	0.38	0.47	0.61
22.450	0.65	0.66	0.54	0.38	0.47
22.700	0.61	0.53	0.38	0.47	0.61
22.950	0.65	0.66	0.54	0.38	0.47

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1C (3) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
23.200	0.61	0.53	0.38	0.47	0.61
23.450	0.53	0.38	0.47	0.61	0.53
23.700	0.38	0.47	0.62	0.53	0.38
23.950	0.47	0.62	0.40	0.10	0.02
24.200	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1D (4) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	229,814.185 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
9.500	0.00	0.00	0.00	0.01	0.02
9.750	0.02	0.02	0.02	0.02	0.02
10.000	0.02	0.04	0.05	0.05	0.04
10.250	0.04	0.04	0.06	0.08	0.07
10.500	0.06	0.07	0.10	0.11	0.12
10.750	0.10	0.08	0.10	0.13	0.14
11.000	0.15	0.19	0.24	0.23	0.20
11.250	0.23	0.28	0.27	0.23	0.31
11.500	0.43	0.52	0.61	0.76	0.95
11.750	1.10	1.25	1.54	1.90	4.46
12.000	8.27	7.50	4.95	3.77	2.89
12.250	2.48	2.19	2.02	1.88	1.87
12.500	1.88	1.54	1.09	0.99	0.97
12.750	0.85	0.69	0.66	0.65	0.65
13.000	0.65	0.66	0.66	0.66	0.66
13.250	0.66	0.67	0.67	0.67	0.54
13.500	0.39	0.47	0.63	0.54	0.39
13.750	0.48	0.63	0.54	0.39	0.35
14.000	0.34	0.34	0.34	0.47	0.64
14.250	0.55	0.40	0.36	0.35	0.35
14.500	0.35	0.35	0.35	0.35	0.35
14.750	0.35	0.35	0.35	0.35	0.35
15.000	0.35	0.35	0.35	0.35	0.35
15.250	0.35	0.35	0.35	0.35	0.35
15.500	0.36	0.22	0.05	0.15	0.30
15.750	0.34	0.35	0.36	0.36	0.36
16.000	0.36	0.22	0.05	0.15	0.31
16.250	0.35	0.36	0.36	0.36	0.23
16.500	0.05	0.15	0.31	0.35	0.36
16.750	0.23	0.05	0.15	0.31	0.35
17.000	0.36	0.23	0.05	0.15	0.31
17.250	0.35	0.36	0.23	0.06	0.15
17.500	0.31	0.35	0.36	0.23	0.06
17.750	0.15	0.31	0.22	0.05	0.15

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-1D (4) Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
18.000	0.31	0.36	0.37	0.23	0.06
18.250	0.15	0.32	0.22	0.05	0.15
18.500	0.32	0.22	0.05	0.15	0.32
18.750	0.22	0.05	0.15	0.32	0.36
19.000	0.37	0.23	0.06	0.15	0.32
19.250	0.22	0.05	0.15	0.32	0.22
19.500	0.05	0.15	0.32	0.22	0.05
19.750	0.15	0.32	0.22	0.05	0.15
20.000	0.32	0.22	0.05	0.01	0.00
20.250	0.14	0.32	0.22	0.05	0.15
20.500	0.32	0.22	0.05	0.15	0.32
20.750	0.22	0.05	0.15	0.32	0.22
21.000	0.05	0.15	0.32	0.22	0.05
21.250	0.01	0.00	0.14	0.32	0.22
21.500	0.05	0.15	0.32	0.22	0.05
21.750	0.16	0.33	0.22	0.05	0.01
22.000	0.00	0.14	0.32	0.22	0.05
22.250	0.16	0.33	0.23	0.06	0.01
22.500	0.00	0.14	0.32	0.23	0.06
22.750	0.16	0.33	0.23	0.06	0.01
23.000	0.00	0.14	0.32	0.23	0.06
23.250	0.01	0.00	0.14	0.33	0.23
23.500	0.06	0.16	0.33	0.23	0.06
23.750	0.01	0.00	0.14	0.33	0.23
24.000	0.06	0.01	0.00	0.00	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1D (4) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	229,814.185 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
6.000	0.00	0.00	0.00	0.01	0.01
6.250	0.02	0.03	0.03	0.02	0.02
6.500	0.02	0.03	0.03	0.04	0.06
6.750	0.06	0.04	0.04	0.04	0.06
7.000	0.09	0.08	0.06	0.06	0.06
7.250	0.08	0.11	0.10	0.07	0.07
7.500	0.07	0.10	0.14	0.12	0.09
7.750	0.11	0.15	0.14	0.10	0.13
8.000	0.17	0.15	0.11	0.14	0.19
8.250	0.16	0.12	0.15	0.20	0.22
8.500	0.23	0.24	0.24	0.20	0.14
8.750	0.18	0.24	0.26	0.27	0.27
9.000	0.28	0.28	0.29	0.29	0.30
9.250	0.30	0.31	0.31	0.32	0.32
9.500	0.33	0.33	0.34	0.34	0.34
9.750	0.35	0.35	0.43	0.52	0.48
10.000	0.40	0.46	0.55	0.51	0.42
10.250	0.48	0.58	0.61	0.62	0.63
10.500	0.64	0.65	0.66	0.67	0.67
10.750	0.77	0.89	0.84	0.74	0.82
11.000	0.93	0.97	0.99	1.10	1.24
11.250	1.28	1.31	1.33	1.35	1.47
11.500	1.62	2.21	2.94	3.40	3.81
11.750	4.22	4.64	5.44	6.39	12.61
12.000	20.87	18.24	12.22	9.49	7.51
12.250	6.45	5.62	5.28	5.07	4.73
12.500	4.34	3.62	2.81	2.45	2.21
12.750	2.15	2.14	1.98	1.78	1.74
13.000	1.73	1.73	1.73	1.73	1.73
13.250	1.57	1.37	1.32	1.31	1.31
13.500	1.31	1.31	1.31	1.31	1.32
13.750	1.32	1.32	1.15	0.95	1.06
14.000	1.26	1.14	0.95	0.90	0.89
14.250	1.05	1.26	1.15	0.95	0.90

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-1D (4) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
14.500	0.89	0.89	0.89	0.89	0.89
14.750	0.89	0.89	0.89	0.89	0.89
15.000	0.89	0.89	0.89	0.89	0.90
15.250	0.73	0.52	0.63	0.83	0.88
15.500	0.89	0.73	0.52	0.63	0.83
15.750	0.88	0.90	0.73	0.52	0.64
16.000	0.84	0.72	0.52	0.64	0.84
16.250	0.72	0.52	0.64	0.84	0.72
16.500	0.52	0.47	0.46	0.62	0.84
16.750	0.72	0.52	0.47	0.46	0.62
17.000	0.84	0.72	0.52	0.47	0.46
17.250	0.63	0.84	0.72	0.52	0.47
17.500	0.46	0.46	0.46	0.63	0.84
17.750	0.73	0.52	0.47	0.46	0.46
18.000	0.46	0.46	0.46	0.46	0.46
18.250	0.63	0.85	0.73	0.52	0.47
18.500	0.46	0.46	0.46	0.46	0.46
18.750	0.46	0.46	0.46	0.46	0.46
19.000	0.46	0.46	0.46	0.46	0.46
19.250	0.46	0.46	0.46	0.46	0.46
19.500	0.46	0.46	0.46	0.46	0.46
19.750	0.46	0.46	0.46	0.46	0.46
20.000	0.46	0.46	0.46	0.46	0.46
20.250	0.46	0.46	0.46	0.46	0.46
20.500	0.46	0.46	0.46	0.46	0.46
20.750	0.29	0.07	0.19	0.40	0.45
21.000	0.46	0.46	0.46	0.46	0.46
21.250	0.46	0.46	0.46	0.46	0.29
21.500	0.07	0.19	0.40	0.45	0.46
21.750	0.46	0.46	0.46	0.46	0.46
22.000	0.46	0.29	0.07	0.19	0.40
22.250	0.45	0.46	0.46	0.46	0.47
22.500	0.47	0.29	0.07	0.19	0.40
22.750	0.45	0.46	0.47	0.47	0.47
23.000	0.47	0.29	0.07	0.19	0.40
23.250	0.45	0.46	0.47	0.47	0.29
23.500	0.07	0.19	0.40	0.45	0.46
23.750	0.47	0.47	0.29	0.07	0.19
24.000	0.40	0.28	0.07	0.02	0.00
24.250	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1D (4) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	229,814.185 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
3.250	0.00	0.01	0.01	0.02	0.03
3.500	0.04	0.04	0.05	0.06	0.06
3.750	0.07	0.08	0.07	0.05	0.07
4.000	0.09	0.11	0.11	0.12	0.13
4.250	0.13	0.14	0.15	0.15	0.16
4.500	0.17	0.21	0.26	0.24	0.21
4.750	0.21	0.21	0.21	0.22	0.22
5.000	0.23	0.24	0.24	0.25	0.25
5.250	0.31	0.38	0.35	0.30	0.29
5.500	0.29	0.29	0.30	0.36	0.44
5.750	0.41	0.34	0.33	0.33	0.40
6.000	0.49	0.45	0.38	0.36	0.36
6.250	0.44	0.53	0.49	0.41	0.47
6.500	0.56	0.52	0.43	0.49	0.59
6.750	0.62	0.63	0.56	0.47	0.53
7.000	0.63	0.66	0.68	0.60	0.50
7.250	0.56	0.67	0.70	0.72	0.73
7.500	0.73	0.74	0.75	0.75	0.76
7.750	0.77	0.78	0.78	0.79	0.79
8.000	0.80	0.81	0.81	0.82	0.83
8.250	0.94	1.08	1.01	0.89	0.87
8.500	0.87	0.98	1.13	1.06	0.93
8.750	1.02	1.16	1.20	1.22	1.11
9.000	0.97	1.06	1.21	1.25	1.27
9.250	1.28	1.28	1.29	1.30	1.43
9.500	1.60	1.52	1.38	1.35	1.35
9.750	1.48	1.65	1.70	1.72	1.73
10.000	1.75	1.76	1.77	1.77	1.78
10.250	1.79	1.80	1.95	2.13	2.19
10.500	2.21	2.22	2.24	2.39	2.58
10.750	2.64	2.66	2.68	2.70	2.86
11.000	3.06	3.12	3.15	3.32	3.52
11.250	3.59	3.62	3.95	4.35	4.63
11.500	4.88	6.53	8.58	9.47	10.09

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1D (4) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.750	11.12	12.29	14.17	16.28	29.08
12.000	45.22	39.28	27.21	21.27	16.77
12.250	14.62	13.06	12.16	11.42	10.71
12.500	9.99	8.36	6.48	5.65	5.08
12.750	4.76	4.51	4.45	4.43	4.25
13.000	4.02	3.78	3.53	3.47	3.46
13.250	3.46	3.46	3.28	3.05	2.99
13.500	2.98	2.98	2.98	2.98	2.98
13.750	2.79	2.56	2.50	2.49	2.49
14.000	2.49	2.49	2.49	2.49	2.49
14.250	2.30	2.07	2.20	2.42	2.29
14.500	2.07	2.01	2.00	2.00	2.00
14.750	2.00	2.00	2.00	2.00	2.00
15.000	2.00	1.81	1.58	1.71	1.93
15.250	1.99	2.00	1.82	1.58	1.71
15.500	1.93	1.80	1.58	1.52	1.51
15.750	1.51	1.51	1.69	1.93	1.80
16.000	1.58	1.52	1.51	1.51	1.51
16.250	1.51	1.51	1.51	1.51	1.51
16.500	1.51	1.51	1.51	1.32	1.08
16.750	1.21	1.44	1.49	1.51	1.51
17.000	1.51	1.32	1.08	1.21	1.44
17.250	1.31	1.08	1.21	1.44	1.50
17.500	1.51	1.32	1.09	1.22	1.44
17.750	1.31	1.08	1.03	1.01	1.20
18.000	1.44	1.31	1.08	1.03	1.01
18.250	1.20	1.44	1.31	1.08	1.03
18.500	1.01	1.20	1.44	1.31	1.08
18.750	1.03	1.01	1.01	1.01	1.01
19.000	1.01	1.01	1.01	1.20	1.44
19.250	1.31	1.09	1.03	1.02	1.01
19.500	1.01	1.01	1.01	1.01	1.01
19.750	1.01	1.01	1.01	1.01	1.01
20.000	1.01	1.01	1.01	1.01	1.01
20.250	1.01	1.01	1.01	1.01	0.82
20.500	0.58	0.71	0.94	1.00	1.01
20.750	1.01	1.01	1.01	1.01	1.01
21.000	1.02	0.82	0.58	0.72	0.94
21.250	1.00	1.01	1.02	1.02	1.02
21.500	1.02	0.83	0.58	0.72	0.94
21.750	1.00	1.01	0.83	0.58	0.72
22.000	0.94	1.00	1.01	1.02	1.02
22.250	0.83	0.59	0.72	0.94	1.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-1D (4) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
22.500	1.01	0.83	0.59	0.72	0.94
22.750	0.81	0.58	0.72	0.94	1.00
23.000	1.01	0.83	0.59	0.72	0.94
23.250	0.81	0.58	0.72	0.94	0.81
23.500	0.58	0.72	0.94	0.81	0.58
23.750	0.72	0.94	0.81	0.58	0.72
24.000	0.95	0.62	0.15	0.03	0.01
24.250	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-2A Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	58,047.137 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.950	0.00	0.06	0.16	0.17	0.16
12.200	0.14	0.13	0.13	0.12	0.12
12.450	0.12	0.13	0.11	0.08	0.07
12.700	0.07	0.06	0.05	0.05	0.05
12.950	0.05	0.05	0.05	0.05	0.05
13.200	0.05	0.05	0.05	0.05	0.06
13.450	0.05	0.03	0.04	0.05	0.05
13.700	0.03	0.04	0.05	0.05	0.03
13.950	0.03	0.03	0.03	0.03	0.04
14.200	0.06	0.05	0.04	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	0.01	0.01
15.700	0.03	0.03	0.03	0.03	0.03
15.950	0.03	0.04	0.02	0.01	0.01
16.200	0.03	0.03	0.04	0.04	0.04
16.450	0.02	0.01	0.01	0.03	0.03
16.700	0.04	0.02	0.01	0.01	0.03
16.950	0.04	0.04	0.02	0.01	0.02
17.200	0.03	0.04	0.04	0.02	0.01
17.450	0.02	0.03	0.04	0.04	0.02
17.700	0.01	0.02	0.03	0.02	0.01
17.950	0.02	0.03	0.04	0.04	0.02
18.200	0.01	0.02	0.03	0.02	0.01
18.450	0.02	0.03	0.02	0.01	0.02
18.700	0.03	0.02	0.01	0.02	0.03
18.950	0.04	0.04	0.02	0.01	0.02
19.200	0.03	0.02	0.01	0.02	0.03
19.450	0.02	0.01	0.02	0.03	0.02
19.700	0.01	0.02	0.03	0.02	0.01
19.950	0.02	0.03	0.02	0.01	0.00
20.200	0.00	0.02	0.03	0.02	0.01

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-2A Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.450	0.02	0.04	0.02	0.01	0.02
20.700	0.04	0.02	0.01	0.02	0.04
20.950	0.02	0.01	0.02	0.04	0.02
21.200	0.01	0.00	0.00	0.02	0.04
21.450	0.02	0.01	0.02	0.04	0.03
21.700	0.01	0.02	0.04	0.03	0.01
21.950	0.00	0.00	0.02	0.04	0.03
22.200	0.01	0.02	0.04	0.03	0.01
22.450	0.00	0.00	0.02	0.04	0.03
22.700	0.01	0.02	0.04	0.03	0.01
22.950	0.00	0.00	0.02	0.04	0.03
23.200	0.01	0.00	0.00	0.02	0.04
23.450	0.03	0.01	0.02	0.04	0.03
23.700	0.01	0.00	0.00	0.02	0.04
23.950	0.03	0.01	0.00	0.00	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-2A Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	58,047.137 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
10.750	0.00	0.00	0.00	0.01	0.01
11.000	0.01	0.02	0.02	0.02	0.03
11.250	0.04	0.04	0.04	0.05	0.06
11.500	0.07	0.10	0.15	0.19	0.23
11.750	0.27	0.32	0.41	0.52	1.15
12.000	2.13	2.02	1.44	1.17	0.95
12.250	0.84	0.74	0.71	0.69	0.65
12.500	0.60	0.51	0.40	0.35	0.32
12.750	0.31	0.31	0.29	0.26	0.25
13.000	0.25	0.25	0.25	0.26	0.26
13.250	0.23	0.20	0.20	0.20	0.20
13.500	0.20	0.20	0.20	0.20	0.20
13.750	0.20	0.20	0.18	0.14	0.16
14.000	0.19	0.18	0.15	0.14	0.14
14.250	0.16	0.19	0.18	0.15	0.14
14.500	0.14	0.14	0.14	0.14	0.14
14.750	0.14	0.14	0.14	0.14	0.14
15.000	0.14	0.14	0.14	0.14	0.14
15.250	0.12	0.08	0.10	0.13	0.14
15.500	0.14	0.12	0.08	0.10	0.13
15.750	0.14	0.14	0.12	0.08	0.10
16.000	0.13	0.12	0.08	0.10	0.14
16.250	0.12	0.08	0.10	0.14	0.12
16.500	0.08	0.08	0.07	0.10	0.14
16.750	0.12	0.08	0.08	0.07	0.10
17.000	0.14	0.12	0.08	0.08	0.07
17.250	0.10	0.14	0.12	0.09	0.08
17.500	0.08	0.07	0.07	0.10	0.14
17.750	0.12	0.09	0.08	0.08	0.08
18.000	0.08	0.08	0.08	0.08	0.08
18.250	0.10	0.14	0.12	0.09	0.08
18.500	0.08	0.08	0.08	0.08	0.08
18.750	0.08	0.08	0.08	0.08	0.08
19.000	0.08	0.08	0.08	0.08	0.08

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-2A Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
19.250	0.08	0.08	0.08	0.08	0.08
19.500	0.08	0.08	0.08	0.08	0.08
19.750	0.08	0.08	0.08	0.08	0.08
20.000	0.08	0.08	0.08	0.08	0.08
20.250	0.08	0.08	0.08	0.08	0.08
20.500	0.08	0.08	0.08	0.08	0.08
20.750	0.05	0.01	0.03	0.07	0.08
21.000	0.08	0.08	0.08	0.08	0.08
21.250	0.08	0.08	0.08	0.08	0.05
21.500	0.01	0.03	0.07	0.08	0.08
21.750	0.08	0.08	0.08	0.08	0.08
22.000	0.08	0.05	0.01	0.03	0.07
22.250	0.08	0.08	0.08	0.08	0.08
22.500	0.08	0.05	0.01	0.03	0.07
22.750	0.08	0.08	0.08	0.08	0.08
23.000	0.08	0.05	0.01	0.03	0.07
23.250	0.08	0.08	0.08	0.08	0.05
23.500	0.01	0.03	0.07	0.08	0.08
23.750	0.08	0.08	0.05	0.01	0.03
24.000	0.07	0.05	0.01	0.00	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-2A Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	58,047.137 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
7.150	0.00	0.00	0.00	0.00	0.01
7.400	0.01	0.01	0.01	0.01	0.01
7.650	0.02	0.02	0.02	0.02	0.02
7.900	0.02	0.03	0.03	0.03	0.03
8.150	0.03	0.03	0.04	0.05	0.05
8.400	0.04	0.04	0.04	0.05	0.06
8.650	0.06	0.05	0.06	0.07	0.07
8.900	0.08	0.07	0.06	0.07	0.08
9.150	0.09	0.09	0.09	0.09	0.10
9.400	0.10	0.11	0.13	0.12	0.11
9.650	0.11	0.11	0.13	0.14	0.15
9.900	0.15	0.16	0.16	0.16	0.17
10.150	0.17	0.17	0.18	0.18	0.20
10.400	0.22	0.23	0.23	0.24	0.24
10.650	0.26	0.28	0.29	0.30	0.31
10.900	0.31	0.33	0.36	0.37	0.38
11.150	0.41	0.44	0.45	0.46	0.51
11.400	0.56	0.61	0.65	0.88	1.18
11.650	1.33	1.44	1.63	1.84	2.16
11.900	2.54	4.71	7.62	6.84	4.86
12.150	3.87	3.09	2.73	2.46	2.30
12.400	2.18	2.05	1.93	1.62	1.26
12.650	1.10	0.99	0.93	0.88	0.87
12.900	0.87	0.84	0.79	0.75	0.70
13.150	0.69	0.69	0.69	0.69	0.65
13.400	0.61	0.60	0.60	0.60	0.60
13.650	0.60	0.60	0.56	0.52	0.50
13.900	0.50	0.50	0.50	0.50	0.50
14.150	0.51	0.51	0.47	0.42	0.45
14.400	0.49	0.47	0.42	0.41	0.41
14.650	0.41	0.41	0.41	0.41	0.41
14.900	0.41	0.41	0.41	0.37	0.32
15.150	0.35	0.40	0.41	0.41	0.37
15.400	0.33	0.35	0.40	0.37	0.33

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-2A Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
15.650	0.31	0.31	0.31	0.31	0.35
15.900	0.40	0.37	0.33	0.32	0.31
16.150	0.31	0.31	0.31	0.31	0.31
16.400	0.31	0.31	0.31	0.31	0.31
16.650	0.28	0.23	0.25	0.30	0.31
16.900	0.31	0.32	0.32	0.28	0.23
17.150	0.25	0.30	0.27	0.23	0.25
17.400	0.30	0.31	0.32	0.28	0.23
17.650	0.26	0.30	0.27	0.23	0.22
17.900	0.21	0.25	0.30	0.28	0.23
18.150	0.22	0.21	0.25	0.30	0.28
18.400	0.23	0.22	0.21	0.25	0.30
18.650	0.28	0.23	0.22	0.21	0.21
18.900	0.21	0.21	0.21	0.21	0.21
19.150	0.25	0.31	0.28	0.23	0.22
19.400	0.22	0.21	0.21	0.22	0.22
19.650	0.22	0.22	0.22	0.22	0.22
19.900	0.22	0.22	0.22	0.22	0.22
20.150	0.22	0.22	0.22	0.22	0.22
20.400	0.22	0.18	0.12	0.15	0.20
20.650	0.21	0.22	0.22	0.22	0.22
20.900	0.22	0.22	0.22	0.18	0.12
21.150	0.15	0.20	0.21	0.22	0.22
21.400	0.22	0.22	0.22	0.18	0.13
21.650	0.15	0.20	0.21	0.22	0.18
21.900	0.13	0.15	0.20	0.21	0.22
22.150	0.22	0.22	0.18	0.13	0.15
22.400	0.20	0.21	0.22	0.18	0.13
22.650	0.15	0.20	0.17	0.13	0.15
22.900	0.20	0.22	0.22	0.18	0.13
23.150	0.15	0.20	0.17	0.13	0.15
23.400	0.20	0.17	0.13	0.15	0.20
23.650	0.17	0.13	0.15	0.20	0.17
23.900	0.13	0.15	0.20	0.13	0.03
24.150	0.01	0.00	0.00	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-2B (5) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	265,119.551 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
7.000	0.00	0.00	0.01	0.01	0.01
7.250	0.01	0.00	0.01	0.02	0.02
7.500	0.03	0.03	0.03	0.02	0.01
7.750	0.02	0.04	0.04	0.05	0.05
8.000	0.05	0.04	0.01	0.02	0.05
8.250	0.06	0.07	0.07	0.07	0.08
8.500	0.08	0.08	0.09	0.05	0.01
8.750	0.04	0.08	0.09	0.10	0.10
9.000	0.10	0.11	0.11	0.11	0.11
9.250	0.12	0.12	0.12	0.13	0.13
9.500	0.13	0.13	0.14	0.19	0.27
9.750	0.23	0.17	0.16	0.16	0.16
10.000	0.16	0.23	0.31	0.27	0.20
10.250	0.18	0.18	0.25	0.34	0.30
10.500	0.22	0.28	0.37	0.40	0.41
10.750	0.34	0.24	0.30	0.41	0.44
11.000	0.45	0.55	0.67	0.62	0.52
11.250	0.60	0.72	0.67	0.56	0.74
11.500	1.00	1.19	1.37	1.67	2.01
11.750	2.26	2.50	3.00	3.60	8.04
12.000	14.14	12.34	7.93	5.92	4.47
12.250	3.80	3.33	3.06	2.83	2.79
12.500	2.80	2.28	1.62	1.46	1.43
12.750	1.24	1.02	0.97	0.96	0.95
13.000	0.96	0.96	0.96	0.96	0.96
13.250	0.96	0.96	0.97	0.97	0.79
13.500	0.56	0.68	0.90	0.77	0.56
13.750	0.69	0.91	0.78	0.56	0.51
14.000	0.49	0.49	0.49	0.68	0.91
14.250	0.78	0.56	0.51	0.50	0.49
14.500	0.49	0.49	0.49	0.49	0.50
14.750	0.50	0.50	0.50	0.50	0.50
15.000	0.50	0.50	0.50	0.50	0.50
15.250	0.50	0.50	0.50	0.50	0.50

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-2B (5) Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
15.500	0.50	0.31	0.08	0.20	0.43
15.750	0.48	0.50	0.50	0.50	0.50
16.000	0.50	0.31	0.08	0.21	0.43
16.250	0.49	0.50	0.50	0.50	0.32
16.500	0.08	0.21	0.43	0.49	0.50
16.750	0.32	0.08	0.21	0.43	0.49
17.000	0.50	0.32	0.08	0.21	0.43
17.250	0.49	0.50	0.32	0.08	0.21
17.500	0.43	0.49	0.51	0.32	0.08
17.750	0.21	0.44	0.30	0.07	0.21
18.000	0.44	0.49	0.51	0.32	0.08
18.250	0.21	0.44	0.30	0.07	0.21
18.500	0.44	0.30	0.07	0.21	0.44
18.750	0.30	0.07	0.21	0.44	0.50
19.000	0.51	0.32	0.08	0.21	0.44
19.250	0.30	0.07	0.21	0.44	0.30
19.500	0.07	0.21	0.44	0.30	0.07
19.750	0.21	0.44	0.30	0.07	0.21
20.000	0.44	0.30	0.07	0.02	0.00
20.250	0.19	0.44	0.30	0.07	0.21
20.500	0.44	0.31	0.07	0.21	0.44
20.750	0.31	0.07	0.21	0.44	0.31
21.000	0.07	0.21	0.44	0.31	0.07
21.250	0.02	0.00	0.19	0.44	0.31
21.500	0.07	0.21	0.44	0.31	0.07
21.750	0.21	0.44	0.31	0.07	0.02
22.000	0.00	0.20	0.44	0.31	0.08
22.250	0.21	0.44	0.31	0.08	0.02
22.500	0.00	0.20	0.44	0.31	0.08
22.750	0.21	0.45	0.31	0.08	0.02
23.000	0.00	0.20	0.44	0.31	0.08
23.250	0.02	0.00	0.20	0.44	0.31
23.500	0.08	0.21	0.45	0.31	0.08
23.750	0.02	0.00	0.20	0.44	0.31
24.000	0.08	0.02	0.00	0.00	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-2B (5) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	265,119.551 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
4.000	0.00	0.00	0.01	0.01	0.01
4.250	0.02	0.02	0.02	0.03	0.03
4.500	0.03	0.04	0.04	0.04	0.05
4.750	0.05	0.05	0.06	0.06	0.06
5.000	0.07	0.07	0.07	0.08	0.08
5.250	0.08	0.09	0.09	0.09	0.09
5.500	0.10	0.14	0.20	0.18	0.13
5.750	0.12	0.12	0.12	0.13	0.13
6.000	0.13	0.13	0.14	0.14	0.14
6.250	0.20	0.28	0.24	0.18	0.16
6.500	0.16	0.16	0.17	0.23	0.32
6.750	0.28	0.20	0.19	0.19	0.26
7.000	0.35	0.31	0.22	0.21	0.20
7.250	0.28	0.38	0.33	0.24	0.22
7.500	0.22	0.30	0.41	0.36	0.26
7.750	0.33	0.43	0.38	0.27	0.34
8.000	0.45	0.39	0.29	0.36	0.47
8.250	0.41	0.30	0.37	0.49	0.53
8.500	0.54	0.55	0.55	0.45	0.32
8.750	0.40	0.53	0.57	0.58	0.59
9.000	0.60	0.60	0.61	0.61	0.62
9.250	0.62	0.63	0.63	0.64	0.64
9.500	0.65	0.65	0.66	0.66	0.67
9.750	0.67	0.68	0.81	0.98	0.90
10.000	0.75	0.85	1.01	0.92	0.77
10.250	0.87	1.04	1.09	1.11	1.12
10.500	1.13	1.13	1.14	1.15	1.16
10.750	1.31	1.51	1.42	1.25	1.36
11.000	1.55	1.61	1.63	1.80	2.01
11.250	2.08	2.10	2.12	2.14	2.32
11.500	2.54	3.44	4.55	5.21	5.77
11.750	6.32	6.88	7.99	9.27	17.94
12.000	29.06	24.97	16.53	12.71	9.98
12.250	8.54	7.40	6.94	6.64	6.17

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-2B (5) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
12.500	5.65	4.71	3.64	3.18	2.86
12.750	2.78	2.77	2.56	2.30	2.24
13.000	2.22	2.22	2.22	2.23	2.23
13.250	2.02	1.76	1.69	1.68	1.68
13.500	1.68	1.68	1.68	1.68	1.68
13.750	1.68	1.68	1.47	1.21	1.35
14.000	1.60	1.46	1.21	1.14	1.13
14.250	1.34	1.60	1.46	1.21	1.15
14.500	1.13	1.13	1.13	1.13	1.13
14.750	1.13	1.13	1.13	1.13	1.13
15.000	1.13	1.13	1.13	1.13	1.13
15.250	0.92	0.65	0.80	1.05	1.11
15.500	1.13	0.92	0.65	0.80	1.05
15.750	1.12	1.13	0.92	0.65	0.80
16.000	1.05	0.90	0.65	0.80	1.06
16.250	0.91	0.65	0.80	1.06	0.91
16.500	0.65	0.59	0.57	0.78	1.05
16.750	0.91	0.65	0.59	0.57	0.78
17.000	1.05	0.91	0.65	0.59	0.57
17.250	0.79	1.06	0.91	0.65	0.59
17.500	0.58	0.57	0.57	0.79	1.06
17.750	0.91	0.65	0.59	0.58	0.57
18.000	0.57	0.57	0.57	0.57	0.57
18.250	0.79	1.06	0.91	0.66	0.59
18.500	0.58	0.57	0.57	0.57	0.57
18.750	0.57	0.57	0.57	0.57	0.57
19.000	0.57	0.57	0.57	0.57	0.57
19.250	0.57	0.57	0.57	0.57	0.57
19.500	0.57	0.57	0.57	0.57	0.57
19.750	0.57	0.57	0.57	0.57	0.57
20.000	0.57	0.57	0.57	0.57	0.57
20.250	0.57	0.58	0.58	0.58	0.58
20.500	0.58	0.58	0.58	0.58	0.58
20.750	0.36	0.09	0.24	0.49	0.56
21.000	0.57	0.58	0.58	0.58	0.58
21.250	0.58	0.58	0.58	0.58	0.36
21.500	0.09	0.24	0.49	0.56	0.57
21.750	0.58	0.58	0.58	0.58	0.58
22.000	0.58	0.36	0.09	0.24	0.49
22.250	0.56	0.57	0.58	0.58	0.58
22.500	0.58	0.36	0.09	0.24	0.49
22.750	0.56	0.57	0.58	0.58	0.58
23.000	0.58	0.36	0.09	0.24	0.49

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-2B (5) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
23.250	0.56	0.57	0.58	0.58	0.36
23.500	0.09	0.24	0.49	0.56	0.57
23.750	0.58	0.58	0.36	0.09	0.24
24.000	0.49	0.34	0.08	0.02	0.00
24.250	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-2B (5) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	265,119.551 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
2.050	0.00	0.01	0.01	0.01	0.03
2.300	0.04	0.06	0.07	0.09	0.10
2.550	0.09	0.07	0.09	0.13	0.15
2.800	0.16	0.18	0.19	0.16	0.12
3.050	0.15	0.21	0.23	0.24	0.26
3.300	0.27	0.28	0.29	0.30	0.31
3.550	0.32	0.33	0.33	0.34	0.35
3.800	0.36	0.30	0.22	0.27	0.36
4.050	0.39	0.40	0.41	0.42	0.43
4.300	0.44	0.45	0.45	0.46	0.47
4.550	0.57	0.69	0.64	0.54	0.52
4.800	0.52	0.52	0.53	0.54	0.54
5.050	0.55	0.55	0.56	0.57	0.68
5.300	0.83	0.76	0.64	0.61	0.61
5.550	0.61	0.62	0.74	0.90	0.82
5.800	0.69	0.66	0.65	0.78	0.95
6.050	0.87	0.72	0.69	0.69	0.82
6.300	0.99	0.91	0.76	0.86	1.02
6.550	0.94	0.78	0.88	1.05	1.10
6.800	1.12	0.99	0.81	0.92	1.09
7.050	1.14	1.16	1.02	0.84	0.95
7.300	1.13	1.18	1.20	1.21	1.22
7.550	1.22	1.23	1.24	1.24	1.25
7.800	1.25	1.26	1.27	1.27	1.28
8.050	1.28	1.29	1.29	1.30	1.47
8.300	1.68	1.58	1.39	1.34	1.34
8.550	1.51	1.73	1.62	1.42	1.55
8.800	1.76	1.81	1.83	1.67	1.46
9.050	1.58	1.80	1.85	1.87	1.88
9.300	1.89	1.90	1.90	2.09	2.32
9.550	2.21	2.00	1.95	1.95	2.13
9.800	2.37	2.44	2.46	2.47	2.48
10.050	2.49	2.49	2.50	2.51	2.52
10.300	2.52	2.72	2.97	3.04	3.06

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-2B (5) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
10.550	3.07	3.08	3.28	3.54	3.61
10.800	3.64	3.65	3.66	3.87	4.13
11.050	4.20	4.23	4.45	4.71	4.79
11.300	4.82	5.24	5.76	6.11	6.42
11.550	8.56	11.20	12.32	13.06	14.33
11.800	15.76	18.07	20.66	36.60	56.40
12.050	48.63	33.50	26.07	20.49	17.83
12.300	15.89	14.78	13.85	12.97	12.10
12.550	10.11	7.83	6.82	6.14	5.75
12.800	5.43	5.36	5.34	5.12	4.84
13.050	4.55	4.25	4.18	4.16	4.16
13.300	4.16	3.94	3.66	3.59	3.57
13.550	3.57	3.57	3.57	3.57	3.35
13.800	3.07	3.00	2.98	2.98	2.98
14.050	2.98	2.98	2.98	2.98	2.76
14.300	2.48	2.63	2.90	2.74	2.47
14.550	2.41	2.39	2.39	2.39	2.39
14.800	2.39	2.39	2.39	2.39	2.39
15.050	2.17	1.88	2.04	2.31	2.37
15.300	2.39	2.17	1.88	2.04	2.31
15.550	2.15	1.88	1.82	1.80	1.80
15.800	1.80	2.02	2.30	2.15	1.88
16.050	1.82	1.80	1.80	1.80	1.80
16.300	1.80	1.80	1.80	1.80	1.80
16.550	1.80	1.80	1.57	1.29	1.44
16.800	1.71	1.78	1.79	1.80	1.80
17.050	1.57	1.29	1.44	1.71	1.55
17.300	1.29	1.44	1.71	1.78	1.80
17.550	1.57	1.29	1.45	1.71	1.55
17.800	1.29	1.22	1.20	1.43	1.71
18.050	1.55	1.29	1.22	1.20	1.43
18.300	1.71	1.56	1.29	1.22	1.20
18.550	1.43	1.71	1.56	1.29	1.22
18.800	1.21	1.20	1.20	1.20	1.20
19.050	1.20	1.20	1.43	1.71	1.56
19.300	1.29	1.22	1.21	1.20	1.20
19.550	1.20	1.20	1.20	1.20	1.20
19.800	1.20	1.20	1.20	1.20	1.20
20.050	1.20	1.20	1.20	1.20	1.20
20.300	1.20	1.20	1.20	0.98	0.69
20.550	0.85	1.12	1.18	1.20	1.20
20.800	1.20	1.20	1.20	1.20	1.20
21.050	0.98	0.69	0.85	1.12	1.18

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-2B (5) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
21.300	1.20	1.20	1.20	1.20	1.20
21.550	0.98	0.69	0.85	1.12	1.18
21.800	1.20	0.98	0.69	0.85	1.12
22.050	1.18	1.20	1.20	1.20	0.98
22.300	0.69	0.85	1.12	1.18	1.20
22.550	0.98	0.69	0.85	1.12	0.96
22.800	0.69	0.85	1.12	1.18	1.20
23.050	0.98	0.69	0.85	1.12	0.96
23.300	0.69	0.85	1.12	0.96	0.69
23.550	0.85	1.12	0.96	0.69	0.85
23.800	1.12	0.96	0.69	0.85	1.12
24.050	0.73	0.18	0.04	0.01	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-3A (6) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	219,864.268 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
8.150	0.00	0.00	0.00	0.01	0.01
8.400	0.01	0.01	0.02	0.02	0.02
8.650	0.01	0.00	0.01	0.02	0.03
8.900	0.03	0.03	0.03	0.04	0.04
9.150	0.04	0.04	0.05	0.05	0.05
9.400	0.05	0.05	0.06	0.06	0.06
9.650	0.09	0.12	0.11	0.08	0.08
9.900	0.08	0.08	0.08	0.11	0.16
10.150	0.14	0.10	0.10	0.10	0.13
10.400	0.19	0.16	0.12	0.15	0.21
10.650	0.22	0.23	0.20	0.14	0.18
10.900	0.24	0.26	0.27	0.33	0.40
11.150	0.38	0.32	0.37	0.45	0.41
11.400	0.35	0.46	0.63	0.76	0.88
11.650	1.08	1.32	1.50	1.67	2.02
11.900	2.45	5.58	10.02	8.88	5.77
12.150	4.34	3.29	2.81	2.47	2.28
12.400	2.11	2.09	2.09	1.71	1.22
12.650	1.10	1.07	0.94	0.77	0.73
12.900	0.72	0.72	0.72	0.72	0.72
13.150	0.73	0.73	0.73	0.73	0.73
13.400	0.73	0.60	0.42	0.52	0.68
13.650	0.59	0.42	0.52	0.69	0.59
13.900	0.43	0.39	0.38	0.37	0.37
14.150	0.51	0.69	0.60	0.43	0.39
14.400	0.38	0.38	0.38	0.38	0.38
14.650	0.38	0.38	0.38	0.38	0.38
14.900	0.38	0.38	0.38	0.38	0.38
15.150	0.38	0.38	0.38	0.38	0.38
15.400	0.38	0.38	0.38	0.24	0.06
15.650	0.16	0.33	0.37	0.38	0.38
15.900	0.39	0.39	0.39	0.24	0.06
16.150	0.16	0.33	0.37	0.38	0.39
16.400	0.39	0.24	0.06	0.16	0.33

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-3A (6) Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
16.650	0.38	0.39	0.24	0.06	0.16
16.900	0.33	0.38	0.39	0.24	0.06
17.150	0.16	0.33	0.38	0.39	0.24
17.400	0.06	0.16	0.33	0.38	0.39
17.650	0.24	0.06	0.16	0.34	0.23
17.900	0.06	0.16	0.34	0.38	0.39
18.150	0.25	0.06	0.16	0.34	0.23
18.400	0.06	0.16	0.34	0.23	0.06
18.650	0.16	0.34	0.23	0.06	0.16
18.900	0.34	0.38	0.39	0.25	0.06
19.150	0.16	0.34	0.23	0.06	0.16
19.400	0.34	0.24	0.06	0.16	0.34
19.650	0.24	0.06	0.16	0.34	0.24
19.900	0.06	0.16	0.34	0.24	0.06
20.150	0.01	0.00	0.15	0.34	0.24
20.400	0.06	0.16	0.34	0.24	0.06
20.650	0.16	0.34	0.24	0.06	0.16
20.900	0.34	0.24	0.06	0.16	0.34
21.150	0.24	0.06	0.01	0.00	0.15
21.400	0.34	0.24	0.06	0.16	0.34
21.650	0.24	0.06	0.16	0.34	0.24
21.900	0.06	0.01	0.00	0.15	0.34
22.150	0.24	0.06	0.16	0.35	0.24
22.400	0.06	0.01	0.00	0.15	0.34
22.650	0.24	0.06	0.17	0.35	0.24
22.900	0.06	0.01	0.00	0.15	0.34
23.150	0.24	0.06	0.01	0.00	0.15
23.400	0.34	0.24	0.06	0.17	0.35
23.650	0.24	0.06	0.01	0.00	0.15
23.900	0.34	0.24	0.06	0.01	0.00
24.150	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-3A (6) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	219,864.268 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
4.850	0.00	0.00	0.00	0.01	0.01
5.100	0.01	0.01	0.02	0.02	0.02
5.350	0.02	0.03	0.03	0.03	0.05
5.600	0.07	0.06	0.05	0.05	0.05
5.850	0.05	0.05	0.05	0.06	0.06
6.100	0.06	0.06	0.06	0.09	0.13
6.350	0.12	0.09	0.08	0.08	0.08
6.600	0.08	0.12	0.17	0.15	0.11
6.850	0.10	0.10	0.14	0.19	0.17
7.100	0.12	0.11	0.11	0.16	0.22
7.350	0.19	0.14	0.13	0.13	0.18
7.600	0.24	0.21	0.15	0.19	0.26
7.850	0.23	0.17	0.21	0.28	0.24
8.100	0.18	0.22	0.29	0.25	0.19
8.350	0.23	0.31	0.33	0.34	0.35
8.600	0.35	0.29	0.21	0.26	0.34
8.850	0.37	0.38	0.38	0.39	0.39
9.100	0.40	0.40	0.41	0.41	0.42
9.350	0.42	0.43	0.43	0.43	0.44
9.600	0.44	0.45	0.45	0.46	0.46
9.850	0.55	0.67	0.61	0.51	0.58
10.100	0.70	0.64	0.53	0.60	0.72
10.350	0.76	0.77	0.78	0.79	0.80
10.600	0.80	0.81	0.82	0.93	1.07
10.850	1.01	0.89	0.98	1.11	1.16
11.100	1.17	1.30	1.45	1.51	1.53
11.350	1.55	1.56	1.70	1.86	2.53
11.600	3.35	3.86	4.29	4.72	5.16
11.850	6.02	7.02	13.69	22.37	19.36
12.100	12.88	9.94	7.83	6.71	5.83
12.350	5.47	5.24	4.88	4.47	3.73
12.600	2.89	2.52	2.27	2.21	2.20
12.850	2.03	1.83	1.78	1.77	1.77
13.100	1.77	1.77	1.77	1.61	1.40

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-3A (6) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
13.350	1.35	1.34	1.33	1.34	1.34
13.600	1.34	1.34	1.34	1.34	1.34
13.850	1.17	0.96	1.08	1.28	1.16
14.100	0.96	0.91	0.90	1.07	1.28
14.350	1.17	0.97	0.92	0.90	0.90
14.600	0.90	0.90	0.90	0.90	0.90
14.850	0.90	0.90	0.90	0.90	0.91
15.100	0.91	0.91	0.91	0.74	0.52
15.350	0.64	0.84	0.89	0.90	0.74
15.600	0.52	0.64	0.84	0.89	0.91
15.850	0.74	0.52	0.64	0.85	0.72
16.100	0.52	0.64	0.85	0.73	0.52
16.350	0.64	0.85	0.73	0.52	0.47
16.600	0.46	0.63	0.85	0.73	0.52
16.850	0.47	0.46	0.63	0.85	0.73
17.100	0.52	0.47	0.46	0.63	0.85
17.350	0.73	0.52	0.47	0.46	0.46
17.600	0.46	0.63	0.85	0.73	0.53
17.850	0.47	0.46	0.46	0.46	0.46
18.100	0.46	0.46	0.46	0.63	0.85
18.350	0.73	0.53	0.48	0.46	0.46
18.600	0.46	0.46	0.46	0.46	0.46
18.850	0.46	0.46	0.46	0.46	0.46
19.100	0.46	0.46	0.46	0.46	0.46
19.350	0.46	0.46	0.46	0.46	0.46
19.600	0.46	0.46	0.46	0.46	0.46
19.850	0.46	0.46	0.46	0.46	0.46
20.100	0.46	0.46	0.46	0.46	0.46
20.350	0.46	0.46	0.46	0.46	0.46
20.600	0.46	0.46	0.46	0.29	0.07
20.850	0.19	0.40	0.45	0.46	0.46
21.100	0.46	0.46	0.46	0.46	0.46
21.350	0.46	0.46	0.29	0.07	0.19
21.600	0.40	0.45	0.46	0.46	0.46
21.850	0.46	0.46	0.46	0.47	0.29
22.100	0.07	0.19	0.40	0.45	0.46
22.350	0.47	0.47	0.47	0.47	0.29
22.600	0.07	0.19	0.40	0.45	0.46
22.850	0.47	0.47	0.47	0.47	0.29
23.100	0.07	0.19	0.40	0.45	0.46
23.350	0.47	0.47	0.29	0.07	0.19
23.600	0.40	0.45	0.46	0.47	0.47
23.850	0.29	0.07	0.19	0.40	0.28

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-3A (6) Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
24.100	0.07	0.02	0.00	0.00	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-3A (6) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	219,864.268 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
2.550	0.00	0.00	0.01	0.02	0.03
2.800	0.04	0.05	0.05	0.05	0.04
3.050	0.05	0.08	0.09	0.10	0.11
3.300	0.12	0.12	0.13	0.14	0.15
3.550	0.16	0.16	0.17	0.18	0.19
3.800	0.19	0.16	0.12	0.15	0.20
4.050	0.22	0.23	0.23	0.24	0.25
4.300	0.25	0.26	0.27	0.27	0.28
4.550	0.34	0.42	0.39	0.33	0.32
4.800	0.32	0.33	0.33	0.34	0.34
5.050	0.35	0.35	0.36	0.36	0.44
5.300	0.54	0.50	0.42	0.40	0.40
5.550	0.40	0.41	0.49	0.60	0.55
5.800	0.46	0.44	0.44	0.53	0.64
6.050	0.59	0.49	0.47	0.47	0.56
6.300	0.68	0.62	0.52	0.59	0.71
6.550	0.65	0.54	0.61	0.73	0.77
6.800	0.78	0.69	0.57	0.65	0.77
7.050	0.81	0.82	0.73	0.60	0.68
7.300	0.81	0.84	0.86	0.87	0.87
7.550	0.88	0.88	0.89	0.90	0.90
7.800	0.91	0.91	0.92	0.93	0.93
8.050	0.94	0.94	0.95	0.95	1.08
8.300	1.24	1.16	1.02	0.99	0.99
8.550	1.11	1.28	1.20	1.05	1.15
8.800	1.31	1.35	1.37	1.25	1.09
9.050	1.18	1.35	1.39	1.41	1.42
9.300	1.42	1.43	1.44	1.58	1.76
9.550	1.67	1.52	1.48	1.48	1.62
9.800	1.80	1.85	1.87	1.88	1.89
10.050	1.90	1.91	1.92	1.92	1.93
10.300	1.94	2.09	2.29	2.34	2.36
10.550	2.37	2.38	2.54	2.74	2.80
10.800	2.82	2.84	2.85	3.01	3.22

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-3A (6) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.050	3.28	3.30	3.48	3.69	3.75
11.300	3.78	4.11	4.53	4.81	5.06
11.550	6.75	8.85	9.75	10.35	11.39
11.800	12.55	14.42	16.51	29.35	45.39
12.050	39.25	27.10	21.13	16.63	14.48
12.300	12.92	12.02	11.27	10.56	9.85
12.550	8.24	6.38	5.56	5.00	4.69
12.800	4.43	4.37	4.36	4.18	3.95
13.050	3.71	3.47	3.41	3.40	3.40
13.300	3.40	3.22	2.99	2.93	2.92
13.550	2.92	2.92	2.92	2.92	2.74
13.800	2.51	2.45	2.44	2.44	2.44
14.050	2.44	2.44	2.44	2.44	2.26
14.300	2.03	2.15	2.37	2.24	2.02
14.550	1.97	1.96	1.95	1.95	1.96
14.800	1.96	1.96	1.96	1.96	1.96
15.050	1.77	1.54	1.67	1.89	1.94
15.300	1.95	1.77	1.54	1.67	1.89
15.550	1.76	1.54	1.49	1.47	1.47
15.800	1.47	1.65	1.89	1.76	1.54
16.050	1.49	1.47	1.47	1.47	1.47
16.300	1.47	1.47	1.47	1.47	1.47
16.550	1.47	1.47	1.29	1.06	1.18
16.800	1.40	1.46	1.47	1.47	1.47
17.050	1.29	1.06	1.18	1.40	1.27
17.300	1.05	1.18	1.40	1.46	1.47
17.550	1.29	1.06	1.19	1.40	1.27
17.800	1.06	1.00	0.99	1.17	1.40
18.050	1.28	1.06	1.00	0.99	1.17
18.300	1.40	1.28	1.06	1.00	0.99
18.550	1.17	1.40	1.28	1.06	1.00
18.800	0.99	0.99	0.99	0.99	0.99
19.050	0.99	0.99	1.17	1.40	1.28
19.300	1.06	1.00	0.99	0.99	0.99
19.550	0.99	0.99	0.99	0.99	0.99
19.800	0.99	0.99	0.99	0.99	0.99
20.050	0.99	0.99	0.99	0.99	0.99
20.300	0.99	0.99	0.99	0.80	0.57
20.550	0.70	0.92	0.97	0.98	0.99
20.800	0.99	0.99	0.99	0.99	0.99
21.050	0.80	0.57	0.70	0.92	0.97
21.300	0.98	0.99	0.99	0.99	0.99
21.550	0.80	0.57	0.70	0.92	0.97

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-3A (6) Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
21.800	0.99	0.80	0.57	0.70	0.92
22.050	0.97	0.99	0.99	0.99	0.80
22.300	0.57	0.70	0.92	0.97	0.99
22.550	0.80	0.57	0.70	0.92	0.79
22.800	0.57	0.70	0.92	0.97	0.99
23.050	0.80	0.57	0.70	0.92	0.79
23.300	0.57	0.70	0.92	0.79	0.57
23.550	0.70	0.92	0.79	0.57	0.70
23.800	0.92	0.79	0.57	0.70	0.92
24.050	0.60	0.15	0.03	0.01	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-3B Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Storm Event	1 Year Storm
Return Event	1 years
Duration	72.000 hours
Depth	2.9 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	41,320.244 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.950	0.00	0.04	0.11	0.12	0.11
12.200	0.10	0.10	0.09	0.09	0.08
12.450	0.09	0.09	0.08	0.06	0.05
12.700	0.05	0.04	0.04	0.04	0.04
12.950	0.04	0.04	0.04	0.04	0.04
13.200	0.04	0.04	0.04	0.04	0.04
13.450	0.03	0.02	0.03	0.04	0.03
13.700	0.02	0.03	0.04	0.03	0.02
13.950	0.02	0.02	0.02	0.02	0.03
14.200	0.04	0.03	0.03	0.02	0.02
14.450	0.02	0.02	0.02	0.02	0.02
14.700	0.02	0.02	0.02	0.02	0.02
14.950	0.02	0.02	0.02	0.02	0.02
15.200	0.02	0.02	0.02	0.02	0.02
15.450	0.02	0.02	0.02	0.00	0.01
15.700	0.02	0.02	0.02	0.02	0.02
15.950	0.02	0.02	0.02	0.00	0.01
16.200	0.02	0.02	0.03	0.03	0.03
16.450	0.02	0.00	0.01	0.02	0.02
16.700	0.03	0.02	0.00	0.01	0.02
16.950	0.03	0.03	0.02	0.00	0.01
17.200	0.02	0.03	0.03	0.02	0.00
17.450	0.01	0.02	0.03	0.03	0.02
17.700	0.00	0.01	0.02	0.02	0.00
17.950	0.01	0.02	0.03	0.03	0.02
18.200	0.00	0.01	0.02	0.02	0.00
18.450	0.01	0.02	0.02	0.00	0.01
18.700	0.02	0.02	0.00	0.01	0.02
18.950	0.03	0.03	0.02	0.00	0.01
19.200	0.02	0.02	0.00	0.01	0.02
19.450	0.02	0.00	0.01	0.02	0.02
19.700	0.00	0.01	0.02	0.02	0.00
19.950	0.01	0.02	0.02	0.00	0.00
20.200	0.00	0.01	0.02	0.02	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 1 years
Label: PDA-3B Storm Event: 1 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
20.450	0.01	0.03	0.02	0.00	0.01
20.700	0.03	0.02	0.00	0.01	0.03
20.950	0.02	0.00	0.01	0.03	0.02
21.200	0.00	0.00	0.00	0.01	0.03
21.450	0.02	0.00	0.01	0.03	0.02
21.700	0.00	0.01	0.03	0.02	0.00
21.950	0.00	0.00	0.01	0.03	0.02
22.200	0.00	0.01	0.03	0.02	0.00
22.450	0.00	0.00	0.01	0.03	0.02
22.700	0.00	0.01	0.03	0.02	0.00
22.950	0.00	0.00	0.01	0.03	0.02
23.200	0.00	0.00	0.00	0.01	0.03
23.450	0.02	0.00	0.01	0.03	0.02
23.700	0.00	0.00	0.00	0.01	0.03
23.950	0.02	0.00	0.00	0.00	(N/A)

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-3B Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Storm Event	10 Year Storm
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	41,320.244 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
10.750	0.00	0.00	0.00	0.00	0.01
11.000	0.01	0.01	0.01	0.02	0.02
11.250	0.03	0.03	0.03	0.03	0.04
11.500	0.05	0.07	0.10	0.13	0.16
11.750	0.19	0.23	0.29	0.37	0.82
12.000	1.51	1.44	1.03	0.83	0.68
12.250	0.60	0.53	0.50	0.49	0.46
12.500	0.43	0.36	0.28	0.25	0.22
12.750	0.22	0.22	0.20	0.18	0.18
13.000	0.18	0.18	0.18	0.18	0.18
13.250	0.17	0.15	0.14	0.14	0.14
13.500	0.14	0.14	0.14	0.14	0.14
13.750	0.14	0.14	0.13	0.10	0.12
14.000	0.14	0.12	0.10	0.10	0.10
14.250	0.12	0.14	0.13	0.10	0.10
14.500	0.10	0.10	0.10	0.10	0.10
14.750	0.10	0.10	0.10	0.10	0.10
15.000	0.10	0.10	0.10	0.10	0.10
15.250	0.08	0.06	0.07	0.09	0.10
15.500	0.10	0.08	0.06	0.07	0.09
15.750	0.10	0.10	0.08	0.06	0.07
16.000	0.10	0.08	0.06	0.07	0.10
16.250	0.08	0.06	0.07	0.10	0.08
16.500	0.06	0.05	0.05	0.07	0.10
16.750	0.08	0.06	0.05	0.05	0.07
17.000	0.10	0.08	0.06	0.05	0.05
17.250	0.07	0.10	0.08	0.06	0.06
17.500	0.05	0.05	0.05	0.07	0.10
17.750	0.09	0.06	0.06	0.05	0.05
18.000	0.05	0.05	0.05	0.05	0.05
18.250	0.07	0.10	0.09	0.06	0.06
18.500	0.05	0.05	0.05	0.05	0.05
18.750	0.05	0.05	0.05	0.05	0.05
19.000	0.05	0.05	0.05	0.05	0.05

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 10 years
Label: PDA-3B Storm Event: 10 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
19.250	0.05	0.05	0.05	0.05	0.05
19.500	0.06	0.06	0.06	0.06	0.06
19.750	0.06	0.06	0.06	0.06	0.06
20.000	0.06	0.06	0.06	0.06	0.06
20.250	0.06	0.06	0.06	0.06	0.06
20.500	0.06	0.06	0.06	0.06	0.06
20.750	0.03	0.01	0.02	0.05	0.05
21.000	0.06	0.06	0.06	0.06	0.06
21.250	0.06	0.06	0.06	0.06	0.04
21.500	0.01	0.02	0.05	0.05	0.06
21.750	0.06	0.06	0.06	0.06	0.06
22.000	0.06	0.04	0.01	0.02	0.05
22.250	0.05	0.06	0.06	0.06	0.06
22.500	0.06	0.04	0.01	0.02	0.05
22.750	0.06	0.06	0.06	0.06	0.06
23.000	0.06	0.04	0.01	0.02	0.05
23.250	0.06	0.06	0.06	0.06	0.04
23.500	0.01	0.02	0.05	0.06	0.06
23.750	0.06	0.06	0.04	0.01	0.02
24.000	0.05	0.03	0.01	0.00	0.00

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-3B Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Storm Event	100 Year Storm
Return Event	100 years
Duration	72.000 hours
Depth	10.8 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	41,320.244 ft²

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
7.200	0.00	0.00	0.00	0.00	0.01
7.450	0.01	0.01	0.01	0.01	0.01
7.700	0.01	0.01	0.02	0.02	0.02
7.950	0.02	0.02	0.02	0.02	0.02
8.200	0.02	0.03	0.03	0.03	0.03
8.450	0.03	0.03	0.04	0.04	0.04
8.700	0.04	0.04	0.05	0.05	0.05
8.950	0.05	0.05	0.05	0.06	0.06
9.200	0.06	0.07	0.07	0.07	0.07
9.450	0.08	0.09	0.09	0.08	0.08
9.700	0.08	0.09	0.10	0.11	0.11
9.950	0.11	0.11	0.12	0.12	0.12
10.200	0.12	0.13	0.13	0.14	0.15
10.450	0.16	0.16	0.17	0.17	0.18
10.700	0.20	0.21	0.21	0.22	0.22
10.950	0.24	0.26	0.27	0.27	0.29
11.200	0.31	0.32	0.33	0.36	0.40
11.450	0.43	0.46	0.63	0.84	0.95
11.700	1.03	1.16	1.31	1.54	1.81
11.950	3.35	5.42	4.87	3.46	2.75
12.200	2.20	1.94	1.75	1.64	1.55
12.450	1.46	1.37	1.15	0.90	0.78
12.700	0.71	0.66	0.63	0.62	0.62
12.950	0.60	0.57	0.53	0.50	0.49
13.200	0.49	0.49	0.49	0.47	0.43
13.450	0.43	0.42	0.42	0.43	0.43
13.700	0.43	0.40	0.37	0.36	0.36
13.950	0.36	0.36	0.36	0.36	0.36
14.200	0.36	0.33	0.30	0.32	0.35
14.450	0.33	0.30	0.29	0.29	0.29
14.700	0.29	0.29	0.29	0.29	0.29
14.950	0.29	0.29	0.27	0.23	0.25
15.200	0.28	0.29	0.29	0.27	0.23
15.450	0.25	0.28	0.26	0.23	0.22

Subsection: Unit Hydrograph (Hydrograph Table) Return Event: 100 years
Label: PDA-3B Storm Event: 100 Year Storm
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 (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
15.700	0.22	0.22	0.22	0.25	0.29
15.950	0.27	0.23	0.23	0.22	0.22
16.200	0.22	0.22	0.22	0.22	0.22
16.450	0.22	0.22	0.22	0.22	0.20
16.700	0.16	0.18	0.21	0.22	0.22
16.950	0.22	0.22	0.20	0.16	0.18
17.200	0.21	0.19	0.16	0.18	0.21
17.450	0.22	0.23	0.20	0.16	0.18
17.700	0.22	0.20	0.16	0.15	0.15
17.950	0.18	0.22	0.20	0.16	0.15
18.200	0.15	0.18	0.22	0.20	0.16
18.450	0.15	0.15	0.18	0.22	0.20
18.700	0.16	0.15	0.15	0.15	0.15
18.950	0.15	0.15	0.15	0.15	0.18
19.200	0.22	0.20	0.16	0.16	0.15
19.450	0.15	0.15	0.15	0.15	0.15
19.700	0.15	0.15	0.15	0.15	0.15
19.950	0.15	0.15	0.15	0.15	0.15
20.200	0.15	0.15	0.15	0.15	0.15
20.450	0.13	0.09	0.11	0.14	0.15
20.700	0.15	0.15	0.15	0.15	0.15
20.950	0.15	0.15	0.13	0.09	0.11
21.200	0.14	0.15	0.15	0.15	0.15
21.450	0.15	0.15	0.13	0.09	0.11
21.700	0.14	0.15	0.15	0.13	0.09
21.950	0.11	0.14	0.15	0.15	0.16
22.200	0.16	0.13	0.09	0.11	0.14
22.450	0.15	0.16	0.13	0.09	0.11
22.700	0.14	0.12	0.09	0.11	0.14
22.950	0.15	0.16	0.13	0.09	0.11
23.200	0.14	0.12	0.09	0.11	0.14
23.450	0.12	0.09	0.11	0.15	0.12
23.700	0.09	0.11	0.15	0.12	0.09
23.950	0.11	0.15	0.10	0.02	0.01
24.200	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Addition Summary
Label: DP-1
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Summary for Hydrograph Addition at 'DP-1'

Upstream Link	Upstream Node
	Inf. Basin 1D
	Inf. Bio. Basin 1C
	Inf. Bio. Basin 1B
<Catchment to Outflow Node>	PDA-1A (1)

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)		0.000	0.000	0.00
Flow (From)		0.000	0.000	0.00
Flow (From)		0.000	0.000	0.00
Flow (From)	PDA-1A (1)	5,903.900	12.050	1.51
Flow (In)	DP-1	5,903.900	12.050	1.51

Subsection: Addition Summary
Label: DP-1
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Summary for Hydrograph Addition at 'DP-1'

Upstream Link	Upstream Node
	Inf. Basin 1D
	Inf. Bio. Basin 1C
	Inf. Bio. Basin 1B
<Catchment to Outflow Node>	PDA-1A (1)

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		0.000	0.000	0.00
Flow (From)		274.172	12.550	0.32
Flow (From)		0.000	0.000	0.00
Flow (From)	PDA-1A (1)	24,740.062	12.000	7.81
Flow (In)	DP-1	25,014.233	12.000	7.81

Subsection: Addition Summary
Label: DP-1
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Summary for Hydrograph Addition at 'DP-1'

Upstream Link	Upstream Node
	Inf. Basin 1D
	Inf. Bio. Basin 1C
	Inf. Bio. Basin 1B
<Catchment to Outflow Node>	PDA-1A (1)

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		32,771.550	12.250	11.97
Flow (From)		28,596.631	12.100	17.93
Flow (From)		3,856.289	12.200	2.47
Flow (From)	PDA-1A (1)	77,564.674	12.000	22.90
Flow (In)	DP-1	142,789.144	12.100	45.38

Summary for Hydrograph Addition at 'DP-2'

Upstream Link	Upstream Node
	Inf. Basin 2B
<Catchment to Outflow Node>	PDA-2A

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		0.000	0.000	0.00
Flow (From)	PDA-2A	1,351.080	12.100	0.17
Flow (In)	DP-2	1,351.080	12.100	0.17

Subsection: Addition Summary
Label: DP-2
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Summary for Hydrograph Addition at 'DP-2'

Upstream Link	Upstream Node
	Inf. Basin 2B
<Catchment to Outflow Node>	PDA-2A

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		0.000	0.000	0.00
Flow (From)	PDA-2A	7,358.496	12.000	2.13
Flow (In)	DP-2	7,358.496	12.000	2.13

Subsection: Addition Summary
Label: DP-2
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Summary for Hydrograph Addition at 'DP-2'

Upstream Link	Upstream Node
	Inf. Basin 2B
<Catchment to Outflow Node>	PDA-2A

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		63,271.644	12.250	16.54
Flow (From)	PDA-2A	26,062.650	12.000	7.62
Flow (In)	DP-2	89,334.294	12.200	19.33

Subsection: Addition Summary
Label: DP-3
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Summary for Hydrograph Addition at 'DP-3'

Upstream Link	Upstream Node
	Inf. Basin 3A
<Catchment to Outflow Node>	PDA-3B

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		0.000	0.000	0.00
Flow (From)	PDA-3B	961.752	12.100	0.12
Flow (In)	DP-3	961.752	12.100	0.12

Subsection: Addition Summary
Label: DP-3
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Summary for Hydrograph Addition at 'DP-3'

Upstream Link	Upstream Node
	Inf. Basin 3A
<Catchment to Outflow Node>	PDA-3B

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		0.000	0.000	0.00
Flow (From)	PDA-3B	5,238.068	12.000	1.51
Flow (In)	DP-3	5,238.068	12.000	1.51

Subsection: Addition Summary
Label: DP-3
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Summary for Hydrograph Addition at 'DP-3'

Upstream Link	Upstream Node
	Inf. Basin 3A
<Catchment to Outflow Node>	PDA-3B

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		17,323.655	12.450	6.99
Flow (From)	PDA-3B	18,552.423	12.000	5.42
Flow (In)	DP-3	35,876.079	12.400	8.47

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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	440.00	440.00	440.00	440.00	440.00
0.250	440.00	440.00	440.00	440.00	440.00
0.500	440.00	440.00	440.00	440.00	440.00
0.750	440.00	440.00	440.00	440.00	440.00
1.000	440.00	440.00	440.00	440.00	440.00
1.250	440.00	440.00	440.00	440.00	440.00
1.500	440.00	440.00	440.00	440.00	440.00
1.750	440.00	440.00	440.00	440.00	440.00
2.000	440.00	440.00	440.00	440.00	440.00
2.250	440.00	440.00	440.00	440.00	440.00
2.500	440.00	440.00	440.00	440.00	440.00
2.750	440.00	440.00	440.00	440.00	440.00
3.000	440.00	440.00	440.00	440.00	440.00
3.250	440.00	440.00	440.00	440.00	440.00
3.500	440.00	440.00	440.00	440.00	440.00
3.750	440.00	440.00	440.00	440.00	440.00
4.000	440.00	440.00	440.00	440.00	440.00
4.250	440.00	440.00	440.00	440.00	440.00
4.500	440.00	440.00	440.00	440.00	440.00
4.750	440.00	440.00	440.00	440.00	440.00
5.000	440.00	440.00	440.00	440.00	440.00
5.250	440.00	440.00	440.00	440.00	440.00
5.500	440.00	440.00	440.00	440.00	440.00
5.750	440.00	440.00	440.00	440.00	440.00
6.000	440.00	440.00	440.00	440.00	440.00
6.250	440.00	440.00	440.00	440.00	440.00
6.500	440.00	440.00	440.00	440.00	440.00
6.750	440.00	440.00	440.00	440.00	440.00
7.000	440.00	440.00	440.00	440.00	440.00
7.250	440.00	440.00	440.00	440.00	440.00
7.500	440.00	440.00	440.00	440.00	440.00
7.750	440.00	440.00	440.00	440.00	440.00
8.000	440.00	440.00	440.00	440.00	440.00
8.250	440.00	440.00	440.00	440.00	440.00
8.500	440.00	440.00	440.00	440.00	440.00
8.750	440.00	440.00	440.00	440.00	440.00
9.000	440.00	440.00	440.00	440.00	440.00
9.250	440.00	440.00	440.00	440.00	440.00
9.500	440.00	440.00	440.00	440.00	440.00
9.750	440.00	440.00	440.00	440.00	440.00
10.000	440.00	440.00	440.00	440.00	440.00
10.250	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
10.500	440.00	440.00	440.00	440.00	440.00
10.750	440.00	440.00	440.00	440.00	440.00
11.000	440.00	440.00	440.00	440.00	440.00
11.250	440.00	440.01	440.01	440.01	440.01
11.500	440.01	440.01	440.01	440.01	440.02
11.750	440.02	440.02	440.03	440.03	440.05
12.000	440.12	440.21	440.27	440.30	440.32
12.250	440.32	440.32	440.32	440.31	440.30
12.500	440.30	440.29	440.27	440.25	440.23
12.750	440.21	440.18	440.16	440.13	440.10
13.000	440.08	440.05	440.03	440.02	440.02
13.250	440.02	440.02	440.02	440.01	440.01
13.500	440.01	440.01	440.01	440.01	440.01
13.750	440.01	440.01	440.01	440.01	440.01
14.000	440.01	440.01	440.01	440.01	440.01
14.250	440.01	440.01	440.01	440.01	440.01
14.500	440.01	440.01	440.01	440.01	440.01
14.750	440.01	440.01	440.01	440.01	440.01
15.000	440.01	440.01	440.01	440.01	440.01
15.250	440.01	440.01	440.01	440.01	440.01
15.500	440.01	440.01	440.00	440.00	440.00
15.750	440.01	440.01	440.01	440.01	440.01
16.000	440.01	440.01	440.00	440.00	440.00
16.250	440.01	440.01	440.01	440.01	440.01
16.500	440.00	440.00	440.00	440.01	440.01
16.750	440.01	440.00	440.00	440.00	440.01
17.000	440.01	440.01	440.00	440.00	440.00
17.250	440.01	440.01	440.01	440.00	440.00
17.500	440.00	440.01	440.01	440.01	440.00
17.750	440.00	440.00	440.01	440.00	440.00
18.000	440.00	440.01	440.01	440.01	440.00
18.250	440.00	440.00	440.01	440.00	440.00
18.500	440.00	440.01	440.00	440.00	440.00
18.750	440.01	440.00	440.00	440.00	440.01
19.000	440.01	440.01	440.00	440.00	440.00
19.250	440.01	440.00	440.00	440.00	440.01
19.500	440.00	440.00	440.00	440.01	440.00
19.750	440.00	440.00	440.01	440.00	440.00
20.000	440.00	440.01	440.00	440.00	440.00
20.250	440.00	440.00	440.00	440.00	440.00
20.500	440.00	440.01	440.00	440.00	440.00
20.750	440.01	440.00	440.00	440.00	440.01

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
21.000	440.00	440.00	440.00	440.01	440.00
21.250	440.00	440.00	440.00	440.00	440.00
21.500	440.00	440.00	440.00	440.01	440.00
21.750	440.00	440.00	440.01	440.00	440.00
22.000	440.00	440.00	440.00	440.00	440.00
22.250	440.00	440.00	440.01	440.00	440.00
22.500	440.00	440.00	440.00	440.00	440.00
22.750	440.00	440.00	440.01	440.00	440.00
23.000	440.00	440.00	440.00	440.00	440.00
23.250	440.00	440.00	440.00	440.00	440.00
23.500	440.00	440.00	440.00	440.01	440.00
23.750	440.00	440.00	440.00	440.00	440.00
24.000	440.00	440.00	440.00	440.00	440.00
24.250	440.00	440.00	440.00	440.00	440.00
24.500	440.00	440.00	440.00	440.00	440.00
24.750	440.00	440.00	440.00	440.00	440.00
25.000	440.00	440.00	440.00	440.00	440.00
25.250	440.00	440.00	440.00	440.00	440.00
25.500	440.00	440.00	440.00	440.00	440.00
25.750	440.00	440.00	440.00	440.00	440.00
26.000	440.00	440.00	440.00	440.00	440.00
26.250	440.00	440.00	440.00	440.00	440.00
26.500	440.00	440.00	440.00	440.00	440.00
26.750	440.00	440.00	440.00	440.00	440.00
27.000	440.00	440.00	440.00	440.00	440.00
27.250	440.00	440.00	440.00	440.00	440.00
27.500	440.00	440.00	440.00	440.00	440.00
27.750	440.00	440.00	440.00	440.00	440.00
28.000	440.00	440.00	440.00	440.00	440.00
28.250	440.00	440.00	440.00	440.00	440.00
28.500	440.00	440.00	440.00	440.00	440.00
28.750	440.00	440.00	440.00	440.00	440.00
29.000	440.00	440.00	440.00	440.00	440.00
29.250	440.00	440.00	440.00	440.00	440.00
29.500	440.00	440.00	440.00	440.00	440.00
29.750	440.00	440.00	440.00	440.00	440.00
30.000	440.00	440.00	440.00	440.00	440.00
30.250	440.00	440.00	440.00	440.00	440.00
30.500	440.00	440.00	440.00	440.00	440.00
30.750	440.00	440.00	440.00	440.00	440.00
31.000	440.00	440.00	440.00	440.00	440.00
31.250	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
31.500	440.00	440.00	440.00	440.00	440.00
31.750	440.00	440.00	440.00	440.00	440.00
32.000	440.00	440.00	440.00	440.00	440.00
32.250	440.00	440.00	440.00	440.00	440.00
32.500	440.00	440.00	440.00	440.00	440.00
32.750	440.00	440.00	440.00	440.00	440.00
33.000	440.00	440.00	440.00	440.00	440.00
33.250	440.00	440.00	440.00	440.00	440.00
33.500	440.00	440.00	440.00	440.00	440.00
33.750	440.00	440.00	440.00	440.00	440.00
34.000	440.00	440.00	440.00	440.00	440.00
34.250	440.00	440.00	440.00	440.00	440.00
34.500	440.00	440.00	440.00	440.00	440.00
34.750	440.00	440.00	440.00	440.00	440.00
35.000	440.00	440.00	440.00	440.00	440.00
35.250	440.00	440.00	440.00	440.00	440.00
35.500	440.00	440.00	440.00	440.00	440.00
35.750	440.00	440.00	440.00	440.00	440.00
36.000	440.00	440.00	440.00	440.00	440.00
36.250	440.00	440.00	440.00	440.00	440.00
36.500	440.00	440.00	440.00	440.00	440.00
36.750	440.00	440.00	440.00	440.00	440.00
37.000	440.00	440.00	440.00	440.00	440.00
37.250	440.00	440.00	440.00	440.00	440.00
37.500	440.00	440.00	440.00	440.00	440.00
37.750	440.00	440.00	440.00	440.00	440.00
38.000	440.00	440.00	440.00	440.00	440.00
38.250	440.00	440.00	440.00	440.00	440.00
38.500	440.00	440.00	440.00	440.00	440.00
38.750	440.00	440.00	440.00	440.00	440.00
39.000	440.00	440.00	440.00	440.00	440.00
39.250	440.00	440.00	440.00	440.00	440.00
39.500	440.00	440.00	440.00	440.00	440.00
39.750	440.00	440.00	440.00	440.00	440.00
40.000	440.00	440.00	440.00	440.00	440.00
40.250	440.00	440.00	440.00	440.00	440.00
40.500	440.00	440.00	440.00	440.00	440.00
40.750	440.00	440.00	440.00	440.00	440.00
41.000	440.00	440.00	440.00	440.00	440.00
41.250	440.00	440.00	440.00	440.00	440.00
41.500	440.00	440.00	440.00	440.00	440.00
41.750	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
42.000	440.00	440.00	440.00	440.00	440.00
42.250	440.00	440.00	440.00	440.00	440.00
42.500	440.00	440.00	440.00	440.00	440.00
42.750	440.00	440.00	440.00	440.00	440.00
43.000	440.00	440.00	440.00	440.00	440.00
43.250	440.00	440.00	440.00	440.00	440.00
43.500	440.00	440.00	440.00	440.00	440.00
43.750	440.00	440.00	440.00	440.00	440.00
44.000	440.00	440.00	440.00	440.00	440.00
44.250	440.00	440.00	440.00	440.00	440.00
44.500	440.00	440.00	440.00	440.00	440.00
44.750	440.00	440.00	440.00	440.00	440.00
45.000	440.00	440.00	440.00	440.00	440.00
45.250	440.00	440.00	440.00	440.00	440.00
45.500	440.00	440.00	440.00	440.00	440.00
45.750	440.00	440.00	440.00	440.00	440.00
46.000	440.00	440.00	440.00	440.00	440.00
46.250	440.00	440.00	440.00	440.00	440.00
46.500	440.00	440.00	440.00	440.00	440.00
46.750	440.00	440.00	440.00	440.00	440.00
47.000	440.00	440.00	440.00	440.00	440.00
47.250	440.00	440.00	440.00	440.00	440.00
47.500	440.00	440.00	440.00	440.00	440.00
47.750	440.00	440.00	440.00	440.00	440.00
48.000	440.00	440.00	440.00	440.00	440.00
48.250	440.00	440.00	440.00	440.00	440.00
48.500	440.00	440.00	440.00	440.00	440.00
48.750	440.00	440.00	440.00	440.00	440.00
49.000	440.00	440.00	440.00	440.00	440.00
49.250	440.00	440.00	440.00	440.00	440.00
49.500	440.00	440.00	440.00	440.00	440.00
49.750	440.00	440.00	440.00	440.00	440.00
50.000	440.00	440.00	440.00	440.00	440.00
50.250	440.00	440.00	440.00	440.00	440.00
50.500	440.00	440.00	440.00	440.00	440.00
50.750	440.00	440.00	440.00	440.00	440.00
51.000	440.00	440.00	440.00	440.00	440.00
51.250	440.00	440.00	440.00	440.00	440.00
51.500	440.00	440.00	440.00	440.00	440.00
51.750	440.00	440.00	440.00	440.00	440.00
52.000	440.00	440.00	440.00	440.00	440.00
52.250	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
52.500	440.00	440.00	440.00	440.00	440.00
52.750	440.00	440.00	440.00	440.00	440.00
53.000	440.00	440.00	440.00	440.00	440.00
53.250	440.00	440.00	440.00	440.00	440.00
53.500	440.00	440.00	440.00	440.00	440.00
53.750	440.00	440.00	440.00	440.00	440.00
54.000	440.00	440.00	440.00	440.00	440.00
54.250	440.00	440.00	440.00	440.00	440.00
54.500	440.00	440.00	440.00	440.00	440.00
54.750	440.00	440.00	440.00	440.00	440.00
55.000	440.00	440.00	440.00	440.00	440.00
55.250	440.00	440.00	440.00	440.00	440.00
55.500	440.00	440.00	440.00	440.00	440.00
55.750	440.00	440.00	440.00	440.00	440.00
56.000	440.00	440.00	440.00	440.00	440.00
56.250	440.00	440.00	440.00	440.00	440.00
56.500	440.00	440.00	440.00	440.00	440.00
56.750	440.00	440.00	440.00	440.00	440.00
57.000	440.00	440.00	440.00	440.00	440.00
57.250	440.00	440.00	440.00	440.00	440.00
57.500	440.00	440.00	440.00	440.00	440.00
57.750	440.00	440.00	440.00	440.00	440.00
58.000	440.00	440.00	440.00	440.00	440.00
58.250	440.00	440.00	440.00	440.00	440.00
58.500	440.00	440.00	440.00	440.00	440.00
58.750	440.00	440.00	440.00	440.00	440.00
59.000	440.00	440.00	440.00	440.00	440.00
59.250	440.00	440.00	440.00	440.00	440.00
59.500	440.00	440.00	440.00	440.00	440.00
59.750	440.00	440.00	440.00	440.00	440.00
60.000	440.00	440.00	440.00	440.00	440.00
60.250	440.00	440.00	440.00	440.00	440.00
60.500	440.00	440.00	440.00	440.00	440.00
60.750	440.00	440.00	440.00	440.00	440.00
61.000	440.00	440.00	440.00	440.00	440.00
61.250	440.00	440.00	440.00	440.00	440.00
61.500	440.00	440.00	440.00	440.00	440.00
61.750	440.00	440.00	440.00	440.00	440.00
62.000	440.00	440.00	440.00	440.00	440.00
62.250	440.00	440.00	440.00	440.00	440.00
62.500	440.00	440.00	440.00	440.00	440.00
62.750	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
63.000	440.00	440.00	440.00	440.00	440.00
63.250	440.00	440.00	440.00	440.00	440.00
63.500	440.00	440.00	440.00	440.00	440.00
63.750	440.00	440.00	440.00	440.00	440.00
64.000	440.00	440.00	440.00	440.00	440.00
64.250	440.00	440.00	440.00	440.00	440.00
64.500	440.00	440.00	440.00	440.00	440.00
64.750	440.00	440.00	440.00	440.00	440.00
65.000	440.00	440.00	440.00	440.00	440.00
65.250	440.00	440.00	440.00	440.00	440.00
65.500	440.00	440.00	440.00	440.00	440.00
65.750	440.00	440.00	440.00	440.00	440.00
66.000	440.00	440.00	440.00	440.00	440.00
66.250	440.00	440.00	440.00	440.00	440.00
66.500	440.00	440.00	440.00	440.00	440.00
66.750	440.00	440.00	440.00	440.00	440.00
67.000	440.00	440.00	440.00	440.00	440.00
67.250	440.00	440.00	440.00	440.00	440.00
67.500	440.00	440.00	440.00	440.00	440.00
67.750	440.00	440.00	440.00	440.00	440.00
68.000	440.00	440.00	440.00	440.00	440.00
68.250	440.00	440.00	440.00	440.00	440.00
68.500	440.00	440.00	440.00	440.00	440.00
68.750	440.00	440.00	440.00	440.00	440.00
69.000	440.00	440.00	440.00	440.00	440.00
69.250	440.00	440.00	440.00	440.00	440.00
69.500	440.00	440.00	440.00	440.00	440.00
69.750	440.00	440.00	440.00	440.00	440.00
70.000	440.00	440.00	440.00	440.00	440.00
70.250	440.00	440.00	440.00	440.00	440.00
70.500	440.00	440.00	440.00	440.00	440.00
70.750	440.00	440.00	440.00	440.00	440.00
71.000	440.00	440.00	440.00	440.00	440.00
71.250	440.00	440.00	440.00	440.00	440.00
71.500	440.00	440.00	440.00	440.00	440.00
71.750	440.00	440.00	440.00	440.00	440.00
72.000	440.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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	440.00	440.00	440.00	440.00	440.00
0.250	440.00	440.00	440.00	440.00	440.00
0.500	440.00	440.00	440.00	440.00	440.00
0.750	440.00	440.00	440.00	440.00	440.00
1.000	440.00	440.00	440.00	440.00	440.00
1.250	440.00	440.00	440.00	440.00	440.00
1.500	440.00	440.00	440.00	440.00	440.00
1.750	440.00	440.00	440.00	440.00	440.00
2.000	440.00	440.00	440.00	440.00	440.00
2.250	440.00	440.00	440.00	440.00	440.00
2.500	440.00	440.00	440.00	440.00	440.00
2.750	440.00	440.00	440.00	440.00	440.00
3.000	440.00	440.00	440.00	440.00	440.00
3.250	440.00	440.00	440.00	440.00	440.00
3.500	440.00	440.00	440.00	440.00	440.00
3.750	440.00	440.00	440.00	440.00	440.00
4.000	440.00	440.00	440.00	440.00	440.00
4.250	440.00	440.00	440.00	440.00	440.00
4.500	440.00	440.00	440.00	440.00	440.00
4.750	440.00	440.00	440.00	440.00	440.00
5.000	440.00	440.00	440.00	440.00	440.00
5.250	440.00	440.00	440.00	440.00	440.00
5.500	440.00	440.00	440.00	440.00	440.00
5.750	440.00	440.00	440.00	440.00	440.00
6.000	440.00	440.00	440.00	440.00	440.00
6.250	440.00	440.00	440.00	440.00	440.00
6.500	440.00	440.00	440.00	440.00	440.00
6.750	440.00	440.00	440.00	440.00	440.00
7.000	440.00	440.00	440.00	440.00	440.00
7.250	440.00	440.00	440.00	440.00	440.00
7.500	440.00	440.00	440.00	440.00	440.00
7.750	440.00	440.00	440.00	440.00	440.00
8.000	440.00	440.00	440.00	440.00	440.00
8.250	440.00	440.00	440.00	440.00	440.00
8.500	440.00	440.00	440.01	440.00	440.00
8.750	440.00	440.00	440.00	440.01	440.01
9.000	440.01	440.01	440.01	440.01	440.01
9.250	440.01	440.01	440.01	440.01	440.01
9.500	440.01	440.01	440.01	440.01	440.01
9.750	440.01	440.01	440.01	440.01	440.01
10.000	440.01	440.01	440.01	440.01	440.01
10.250	440.01	440.01	440.01	440.01	440.01

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
10.500	440.01	440.01	440.01	440.01	440.01
10.750	440.02	440.02	440.02	440.02	440.02
11.000	440.02	440.02	440.02	440.02	440.02
11.250	440.03	440.03	440.03	440.03	440.03
11.500	440.03	440.04	440.05	440.06	440.08
11.750	440.11	440.15	440.19	440.25	440.36
12.000	440.57	440.83	441.01	441.12	441.20
12.250	441.26	441.31	441.34	441.38	441.41
12.500	441.43	441.45	441.45	441.45	441.45
12.750	441.44	441.43	441.42	441.41	441.40
13.000	441.38	441.37	441.36	441.34	441.33
13.250	441.32	441.30	441.28	441.26	441.25
13.500	441.23	441.21	441.19	441.17	441.15
13.750	441.14	441.12	441.10	441.08	441.05
14.000	441.03	441.01	440.99	440.97	440.94
14.250	440.92	440.90	440.88	440.86	440.84
14.500	440.81	440.79	440.77	440.74	440.72
14.750	440.70	440.67	440.65	440.63	440.60
15.000	440.58	440.56	440.53	440.51	440.49
15.250	440.46	440.44	440.41	440.38	440.36
15.500	440.34	440.31	440.29	440.26	440.24
15.750	440.21	440.19	440.17	440.14	440.11
16.000	440.09	440.06	440.04	440.03	440.02
16.250	440.02	440.02	440.01	440.02	440.02
16.500	440.01	440.01	440.01	440.01	440.01
16.750	440.02	440.01	440.01	440.01	440.01
17.000	440.01	440.02	440.01	440.01	440.01
17.250	440.01	440.01	440.02	440.01	440.01
17.500	440.01	440.01	440.01	440.01	440.01
17.750	440.02	440.01	440.01	440.01	440.01
18.000	440.01	440.01	440.01	440.01	440.01
18.250	440.01	440.01	440.02	440.01	440.01
18.500	440.01	440.01	440.01	440.01	440.01
18.750	440.01	440.01	440.01	440.01	440.01
19.000	440.01	440.01	440.01	440.01	440.01
19.250	440.01	440.01	440.01	440.01	440.01
19.500	440.01	440.01	440.01	440.01	440.01
19.750	440.01	440.01	440.01	440.01	440.01
20.000	440.01	440.01	440.01	440.01	440.01
20.250	440.01	440.01	440.01	440.01	440.01
20.500	440.01	440.01	440.01	440.01	440.01
20.750	440.01	440.01	440.00	440.01	440.01

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
21.000	440.01	440.01	440.01	440.01	440.01
21.250	440.01	440.01	440.01	440.01	440.01
21.500	440.01	440.00	440.01	440.01	440.01
21.750	440.01	440.01	440.01	440.01	440.01
22.000	440.01	440.01	440.01	440.00	440.01
22.250	440.01	440.01	440.01	440.01	440.01
22.500	440.01	440.01	440.01	440.00	440.01
22.750	440.01	440.01	440.01	440.01	440.01
23.000	440.01	440.01	440.01	440.00	440.01
23.250	440.01	440.01	440.01	440.01	440.01
23.500	440.01	440.00	440.01	440.01	440.01
23.750	440.01	440.01	440.01	440.01	440.00
24.000	440.01	440.01	440.01	440.00	440.00
24.250	440.00	440.00	440.00	440.00	440.00
24.500	440.00	440.00	440.00	440.00	440.00
24.750	440.00	440.00	440.00	440.00	440.00
25.000	440.00	440.00	440.00	440.00	440.00
25.250	440.00	440.00	440.00	440.00	440.00
25.500	440.00	440.00	440.00	440.00	440.00
25.750	440.00	440.00	440.00	440.00	440.00
26.000	440.00	440.00	440.00	440.00	440.00
26.250	440.00	440.00	440.00	440.00	440.00
26.500	440.00	440.00	440.00	440.00	440.00
26.750	440.00	440.00	440.00	440.00	440.00
27.000	440.00	440.00	440.00	440.00	440.00
27.250	440.00	440.00	440.00	440.00	440.00
27.500	440.00	440.00	440.00	440.00	440.00
27.750	440.00	440.00	440.00	440.00	440.00
28.000	440.00	440.00	440.00	440.00	440.00
28.250	440.00	440.00	440.00	440.00	440.00
28.500	440.00	440.00	440.00	440.00	440.00
28.750	440.00	440.00	440.00	440.00	440.00
29.000	440.00	440.00	440.00	440.00	440.00
29.250	440.00	440.00	440.00	440.00	440.00
29.500	440.00	440.00	440.00	440.00	440.00
29.750	440.00	440.00	440.00	440.00	440.00
30.000	440.00	440.00	440.00	440.00	440.00
30.250	440.00	440.00	440.00	440.00	440.00
30.500	440.00	440.00	440.00	440.00	440.00
30.750	440.00	440.00	440.00	440.00	440.00
31.000	440.00	440.00	440.00	440.00	440.00
31.250	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
31.500	440.00	440.00	440.00	440.00	440.00
31.750	440.00	440.00	440.00	440.00	440.00
32.000	440.00	440.00	440.00	440.00	440.00
32.250	440.00	440.00	440.00	440.00	440.00
32.500	440.00	440.00	440.00	440.00	440.00
32.750	440.00	440.00	440.00	440.00	440.00
33.000	440.00	440.00	440.00	440.00	440.00
33.250	440.00	440.00	440.00	440.00	440.00
33.500	440.00	440.00	440.00	440.00	440.00
33.750	440.00	440.00	440.00	440.00	440.00
34.000	440.00	440.00	440.00	440.00	440.00
34.250	440.00	440.00	440.00	440.00	440.00
34.500	440.00	440.00	440.00	440.00	440.00
34.750	440.00	440.00	440.00	440.00	440.00
35.000	440.00	440.00	440.00	440.00	440.00
35.250	440.00	440.00	440.00	440.00	440.00
35.500	440.00	440.00	440.00	440.00	440.00
35.750	440.00	440.00	440.00	440.00	440.00
36.000	440.00	440.00	440.00	440.00	440.00
36.250	440.00	440.00	440.00	440.00	440.00
36.500	440.00	440.00	440.00	440.00	440.00
36.750	440.00	440.00	440.00	440.00	440.00
37.000	440.00	440.00	440.00	440.00	440.00
37.250	440.00	440.00	440.00	440.00	440.00
37.500	440.00	440.00	440.00	440.00	440.00
37.750	440.00	440.00	440.00	440.00	440.00
38.000	440.00	440.00	440.00	440.00	440.00
38.250	440.00	440.00	440.00	440.00	440.00
38.500	440.00	440.00	440.00	440.00	440.00
38.750	440.00	440.00	440.00	440.00	440.00
39.000	440.00	440.00	440.00	440.00	440.00
39.250	440.00	440.00	440.00	440.00	440.00
39.500	440.00	440.00	440.00	440.00	440.00
39.750	440.00	440.00	440.00	440.00	440.00
40.000	440.00	440.00	440.00	440.00	440.00
40.250	440.00	440.00	440.00	440.00	440.00
40.500	440.00	440.00	440.00	440.00	440.00
40.750	440.00	440.00	440.00	440.00	440.00
41.000	440.00	440.00	440.00	440.00	440.00
41.250	440.00	440.00	440.00	440.00	440.00
41.500	440.00	440.00	440.00	440.00	440.00
41.750	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
42.000	440.00	440.00	440.00	440.00	440.00
42.250	440.00	440.00	440.00	440.00	440.00
42.500	440.00	440.00	440.00	440.00	440.00
42.750	440.00	440.00	440.00	440.00	440.00
43.000	440.00	440.00	440.00	440.00	440.00
43.250	440.00	440.00	440.00	440.00	440.00
43.500	440.00	440.00	440.00	440.00	440.00
43.750	440.00	440.00	440.00	440.00	440.00
44.000	440.00	440.00	440.00	440.00	440.00
44.250	440.00	440.00	440.00	440.00	440.00
44.500	440.00	440.00	440.00	440.00	440.00
44.750	440.00	440.00	440.00	440.00	440.00
45.000	440.00	440.00	440.00	440.00	440.00
45.250	440.00	440.00	440.00	440.00	440.00
45.500	440.00	440.00	440.00	440.00	440.00
45.750	440.00	440.00	440.00	440.00	440.00
46.000	440.00	440.00	440.00	440.00	440.00
46.250	440.00	440.00	440.00	440.00	440.00
46.500	440.00	440.00	440.00	440.00	440.00
46.750	440.00	440.00	440.00	440.00	440.00
47.000	440.00	440.00	440.00	440.00	440.00
47.250	440.00	440.00	440.00	440.00	440.00
47.500	440.00	440.00	440.00	440.00	440.00
47.750	440.00	440.00	440.00	440.00	440.00
48.000	440.00	440.00	440.00	440.00	440.00
48.250	440.00	440.00	440.00	440.00	440.00
48.500	440.00	440.00	440.00	440.00	440.00
48.750	440.00	440.00	440.00	440.00	440.00
49.000	440.00	440.00	440.00	440.00	440.00
49.250	440.00	440.00	440.00	440.00	440.00
49.500	440.00	440.00	440.00	440.00	440.00
49.750	440.00	440.00	440.00	440.00	440.00
50.000	440.00	440.00	440.00	440.00	440.00
50.250	440.00	440.00	440.00	440.00	440.00
50.500	440.00	440.00	440.00	440.00	440.00
50.750	440.00	440.00	440.00	440.00	440.00
51.000	440.00	440.00	440.00	440.00	440.00
51.250	440.00	440.00	440.00	440.00	440.00
51.500	440.00	440.00	440.00	440.00	440.00
51.750	440.00	440.00	440.00	440.00	440.00
52.000	440.00	440.00	440.00	440.00	440.00
52.250	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
52.500	440.00	440.00	440.00	440.00	440.00
52.750	440.00	440.00	440.00	440.00	440.00
53.000	440.00	440.00	440.00	440.00	440.00
53.250	440.00	440.00	440.00	440.00	440.00
53.500	440.00	440.00	440.00	440.00	440.00
53.750	440.00	440.00	440.00	440.00	440.00
54.000	440.00	440.00	440.00	440.00	440.00
54.250	440.00	440.00	440.00	440.00	440.00
54.500	440.00	440.00	440.00	440.00	440.00
54.750	440.00	440.00	440.00	440.00	440.00
55.000	440.00	440.00	440.00	440.00	440.00
55.250	440.00	440.00	440.00	440.00	440.00
55.500	440.00	440.00	440.00	440.00	440.00
55.750	440.00	440.00	440.00	440.00	440.00
56.000	440.00	440.00	440.00	440.00	440.00
56.250	440.00	440.00	440.00	440.00	440.00
56.500	440.00	440.00	440.00	440.00	440.00
56.750	440.00	440.00	440.00	440.00	440.00
57.000	440.00	440.00	440.00	440.00	440.00
57.250	440.00	440.00	440.00	440.00	440.00
57.500	440.00	440.00	440.00	440.00	440.00
57.750	440.00	440.00	440.00	440.00	440.00
58.000	440.00	440.00	440.00	440.00	440.00
58.250	440.00	440.00	440.00	440.00	440.00
58.500	440.00	440.00	440.00	440.00	440.00
58.750	440.00	440.00	440.00	440.00	440.00
59.000	440.00	440.00	440.00	440.00	440.00
59.250	440.00	440.00	440.00	440.00	440.00
59.500	440.00	440.00	440.00	440.00	440.00
59.750	440.00	440.00	440.00	440.00	440.00
60.000	440.00	440.00	440.00	440.00	440.00
60.250	440.00	440.00	440.00	440.00	440.00
60.500	440.00	440.00	440.00	440.00	440.00
60.750	440.00	440.00	440.00	440.00	440.00
61.000	440.00	440.00	440.00	440.00	440.00
61.250	440.00	440.00	440.00	440.00	440.00
61.500	440.00	440.00	440.00	440.00	440.00
61.750	440.00	440.00	440.00	440.00	440.00
62.000	440.00	440.00	440.00	440.00	440.00
62.250	440.00	440.00	440.00	440.00	440.00
62.500	440.00	440.00	440.00	440.00	440.00
62.750	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
63.000	440.00	440.00	440.00	440.00	440.00
63.250	440.00	440.00	440.00	440.00	440.00
63.500	440.00	440.00	440.00	440.00	440.00
63.750	440.00	440.00	440.00	440.00	440.00
64.000	440.00	440.00	440.00	440.00	440.00
64.250	440.00	440.00	440.00	440.00	440.00
64.500	440.00	440.00	440.00	440.00	440.00
64.750	440.00	440.00	440.00	440.00	440.00
65.000	440.00	440.00	440.00	440.00	440.00
65.250	440.00	440.00	440.00	440.00	440.00
65.500	440.00	440.00	440.00	440.00	440.00
65.750	440.00	440.00	440.00	440.00	440.00
66.000	440.00	440.00	440.00	440.00	440.00
66.250	440.00	440.00	440.00	440.00	440.00
66.500	440.00	440.00	440.00	440.00	440.00
66.750	440.00	440.00	440.00	440.00	440.00
67.000	440.00	440.00	440.00	440.00	440.00
67.250	440.00	440.00	440.00	440.00	440.00
67.500	440.00	440.00	440.00	440.00	440.00
67.750	440.00	440.00	440.00	440.00	440.00
68.000	440.00	440.00	440.00	440.00	440.00
68.250	440.00	440.00	440.00	440.00	440.00
68.500	440.00	440.00	440.00	440.00	440.00
68.750	440.00	440.00	440.00	440.00	440.00
69.000	440.00	440.00	440.00	440.00	440.00
69.250	440.00	440.00	440.00	440.00	440.00
69.500	440.00	440.00	440.00	440.00	440.00
69.750	440.00	440.00	440.00	440.00	440.00
70.000	440.00	440.00	440.00	440.00	440.00
70.250	440.00	440.00	440.00	440.00	440.00
70.500	440.00	440.00	440.00	440.00	440.00
70.750	440.00	440.00	440.00	440.00	440.00
71.000	440.00	440.00	440.00	440.00	440.00
71.250	440.00	440.00	440.00	440.00	440.00
71.500	440.00	440.00	440.00	440.00	440.00
71.750	440.00	440.00	440.00	440.00	440.00
72.000	440.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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	440.00	440.00	440.00	440.00	440.00
0.250	440.00	440.00	440.00	440.00	440.00
0.500	440.00	440.00	440.00	440.00	440.00
0.750	440.00	440.00	440.00	440.00	440.00
1.000	440.00	440.00	440.00	440.00	440.00
1.250	440.00	440.00	440.00	440.00	440.00
1.500	440.00	440.00	440.00	440.00	440.00
1.750	440.00	440.00	440.00	440.00	440.00
2.000	440.00	440.00	440.00	440.00	440.00
2.250	440.00	440.00	440.00	440.00	440.00
2.500	440.00	440.00	440.00	440.00	440.00
2.750	440.00	440.00	440.00	440.00	440.00
3.000	440.00	440.00	440.00	440.00	440.00
3.250	440.00	440.00	440.00	440.00	440.00
3.500	440.00	440.00	440.00	440.00	440.00
3.750	440.00	440.00	440.00	440.00	440.00
4.000	440.00	440.00	440.00	440.00	440.00
4.250	440.00	440.00	440.00	440.00	440.00
4.500	440.00	440.00	440.00	440.01	440.01
4.750	440.00	440.00	440.00	440.00	440.00
5.000	440.00	440.01	440.01	440.01	440.01
5.250	440.01	440.01	440.01	440.01	440.01
5.500	440.01	440.01	440.01	440.01	440.01
5.750	440.01	440.01	440.01	440.01	440.01
6.000	440.01	440.01	440.01	440.01	440.01
6.250	440.01	440.01	440.01	440.01	440.01
6.500	440.01	440.01	440.01	440.01	440.01
6.750	440.01	440.01	440.01	440.01	440.01
7.000	440.01	440.01	440.01	440.01	440.01
7.250	440.01	440.01	440.01	440.01	440.02
7.500	440.02	440.02	440.02	440.02	440.02
7.750	440.02	440.02	440.02	440.02	440.02
8.000	440.02	440.02	440.02	440.02	440.02
8.250	440.02	440.02	440.02	440.02	440.02
8.500	440.02	440.02	440.02	440.02	440.02
8.750	440.02	440.02	440.02	440.03	440.03
9.000	440.02	440.02	440.02	440.03	440.03
9.250	440.03	440.03	440.03	440.03	440.03
9.500	440.03	440.03	440.03	440.03	440.03
9.750	440.03	440.03	440.04	440.04	440.04
10.000	440.04	440.04	440.04	440.04	440.04
10.250	440.04	440.04	440.04	440.04	440.05

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
10.500	440.05	440.05	440.05	440.05	440.05
10.750	440.06	440.07	440.07	440.08	440.09
11.000	440.10	440.11	440.12	440.14	440.16
11.250	440.18	440.20	440.22	440.25	440.28
11.500	440.32	440.37	440.45	440.55	440.66
11.750	440.78	440.91	441.06	441.23	441.50
12.000	441.94	442.38	442.63	442.74	442.78
12.250	442.79	442.78	442.75	442.71	442.66
12.500	442.61	442.56	442.50	442.45	442.39
12.750	442.35	442.32	442.29	442.26	442.24
13.000	442.22	442.20	442.19	442.17	442.16
13.250	442.14	442.14	442.13	442.12	442.11
13.500	442.10	442.09	442.08	442.07	442.07
13.750	442.06	442.05	442.05	442.04	442.03
14.000	442.02	442.01	442.01	442.00	442.00
14.250	441.99	441.98	441.97	441.96	441.96
14.500	441.95	441.94	441.92	441.91	441.90
14.750	441.89	441.88	441.87	441.86	441.84
15.000	441.83	441.82	441.81	441.79	441.78
15.250	441.77	441.75	441.74	441.73	441.71
15.500	441.70	441.69	441.67	441.66	441.64
15.750	441.62	441.61	441.59	441.58	441.57
16.000	441.55	441.53	441.52	441.50	441.49
16.250	441.47	441.45	441.44	441.42	441.40
16.500	441.39	441.37	441.35	441.34	441.32
16.750	441.30	441.28	441.26	441.24	441.23
17.000	441.21	441.20	441.18	441.16	441.14
17.250	441.12	441.10	441.08	441.06	441.05
17.500	441.03	441.01	440.99	440.97	440.96
17.750	440.94	440.92	440.90	440.88	440.86
18.000	440.84	440.82	440.80	440.78	440.76
18.250	440.74	440.72	440.71	440.69	440.67
18.500	440.65	440.63	440.61	440.59	440.57
18.750	440.55	440.53	440.51	440.49	440.47
19.000	440.45	440.43	440.41	440.39	440.37
19.250	440.35	440.34	440.32	440.30	440.28
19.500	440.25	440.23	440.21	440.19	440.17
19.750	440.15	440.13	440.11	440.09	440.07
20.000	440.05	440.04	440.03	440.03	440.02
20.250	440.02	440.02	440.02	440.02	440.02
20.500	440.02	440.02	440.02	440.02	440.02
20.750	440.02	440.02	440.02	440.02	440.02

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
21.000	440.02	440.02	440.02	440.02	440.02
21.250	440.02	440.02	440.02	440.02	440.02
21.500	440.02	440.02	440.02	440.02	440.02
21.750	440.02	440.02	440.02	440.02	440.02
22.000	440.02	440.02	440.02	440.02	440.02
22.250	440.02	440.02	440.02	440.02	440.02
22.500	440.02	440.02	440.02	440.02	440.02
22.750	440.02	440.02	440.02	440.02	440.02
23.000	440.02	440.02	440.02	440.02	440.02
23.250	440.02	440.02	440.02	440.02	440.02
23.500	440.02	440.02	440.02	440.02	440.02
23.750	440.02	440.02	440.02	440.02	440.02
24.000	440.02	440.02	440.01	440.01	440.00
24.250	440.00	440.00	440.00	440.00	440.00
24.500	440.00	440.00	440.00	440.00	440.00
24.750	440.00	440.00	440.00	440.00	440.00
25.000	440.00	440.00	440.00	440.00	440.00
25.250	440.00	440.00	440.00	440.00	440.00
25.500	440.00	440.00	440.00	440.00	440.00
25.750	440.00	440.00	440.00	440.00	440.00
26.000	440.00	440.00	440.00	440.00	440.00
26.250	440.00	440.00	440.00	440.00	440.00
26.500	440.00	440.00	440.00	440.00	440.00
26.750	440.00	440.00	440.00	440.00	440.00
27.000	440.00	440.00	440.00	440.00	440.00
27.250	440.00	440.00	440.00	440.00	440.00
27.500	440.00	440.00	440.00	440.00	440.00
27.750	440.00	440.00	440.00	440.00	440.00
28.000	440.00	440.00	440.00	440.00	440.00
28.250	440.00	440.00	440.00	440.00	440.00
28.500	440.00	440.00	440.00	440.00	440.00
28.750	440.00	440.00	440.00	440.00	440.00
29.000	440.00	440.00	440.00	440.00	440.00
29.250	440.00	440.00	440.00	440.00	440.00
29.500	440.00	440.00	440.00	440.00	440.00
29.750	440.00	440.00	440.00	440.00	440.00
30.000	440.00	440.00	440.00	440.00	440.00
30.250	440.00	440.00	440.00	440.00	440.00
30.500	440.00	440.00	440.00	440.00	440.00
30.750	440.00	440.00	440.00	440.00	440.00
31.000	440.00	440.00	440.00	440.00	440.00
31.250	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
31.500	440.00	440.00	440.00	440.00	440.00
31.750	440.00	440.00	440.00	440.00	440.00
32.000	440.00	440.00	440.00	440.00	440.00
32.250	440.00	440.00	440.00	440.00	440.00
32.500	440.00	440.00	440.00	440.00	440.00
32.750	440.00	440.00	440.00	440.00	440.00
33.000	440.00	440.00	440.00	440.00	440.00
33.250	440.00	440.00	440.00	440.00	440.00
33.500	440.00	440.00	440.00	440.00	440.00
33.750	440.00	440.00	440.00	440.00	440.00
34.000	440.00	440.00	440.00	440.00	440.00
34.250	440.00	440.00	440.00	440.00	440.00
34.500	440.00	440.00	440.00	440.00	440.00
34.750	440.00	440.00	440.00	440.00	440.00
35.000	440.00	440.00	440.00	440.00	440.00
35.250	440.00	440.00	440.00	440.00	440.00
35.500	440.00	440.00	440.00	440.00	440.00
35.750	440.00	440.00	440.00	440.00	440.00
36.000	440.00	440.00	440.00	440.00	440.00
36.250	440.00	440.00	440.00	440.00	440.00
36.500	440.00	440.00	440.00	440.00	440.00
36.750	440.00	440.00	440.00	440.00	440.00
37.000	440.00	440.00	440.00	440.00	440.00
37.250	440.00	440.00	440.00	440.00	440.00
37.500	440.00	440.00	440.00	440.00	440.00
37.750	440.00	440.00	440.00	440.00	440.00
38.000	440.00	440.00	440.00	440.00	440.00
38.250	440.00	440.00	440.00	440.00	440.00
38.500	440.00	440.00	440.00	440.00	440.00
38.750	440.00	440.00	440.00	440.00	440.00
39.000	440.00	440.00	440.00	440.00	440.00
39.250	440.00	440.00	440.00	440.00	440.00
39.500	440.00	440.00	440.00	440.00	440.00
39.750	440.00	440.00	440.00	440.00	440.00
40.000	440.00	440.00	440.00	440.00	440.00
40.250	440.00	440.00	440.00	440.00	440.00
40.500	440.00	440.00	440.00	440.00	440.00
40.750	440.00	440.00	440.00	440.00	440.00
41.000	440.00	440.00	440.00	440.00	440.00
41.250	440.00	440.00	440.00	440.00	440.00
41.500	440.00	440.00	440.00	440.00	440.00
41.750	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
42.000	440.00	440.00	440.00	440.00	440.00
42.250	440.00	440.00	440.00	440.00	440.00
42.500	440.00	440.00	440.00	440.00	440.00
42.750	440.00	440.00	440.00	440.00	440.00
43.000	440.00	440.00	440.00	440.00	440.00
43.250	440.00	440.00	440.00	440.00	440.00
43.500	440.00	440.00	440.00	440.00	440.00
43.750	440.00	440.00	440.00	440.00	440.00
44.000	440.00	440.00	440.00	440.00	440.00
44.250	440.00	440.00	440.00	440.00	440.00
44.500	440.00	440.00	440.00	440.00	440.00
44.750	440.00	440.00	440.00	440.00	440.00
45.000	440.00	440.00	440.00	440.00	440.00
45.250	440.00	440.00	440.00	440.00	440.00
45.500	440.00	440.00	440.00	440.00	440.00
45.750	440.00	440.00	440.00	440.00	440.00
46.000	440.00	440.00	440.00	440.00	440.00
46.250	440.00	440.00	440.00	440.00	440.00
46.500	440.00	440.00	440.00	440.00	440.00
46.750	440.00	440.00	440.00	440.00	440.00
47.000	440.00	440.00	440.00	440.00	440.00
47.250	440.00	440.00	440.00	440.00	440.00
47.500	440.00	440.00	440.00	440.00	440.00
47.750	440.00	440.00	440.00	440.00	440.00
48.000	440.00	440.00	440.00	440.00	440.00
48.250	440.00	440.00	440.00	440.00	440.00
48.500	440.00	440.00	440.00	440.00	440.00
48.750	440.00	440.00	440.00	440.00	440.00
49.000	440.00	440.00	440.00	440.00	440.00
49.250	440.00	440.00	440.00	440.00	440.00
49.500	440.00	440.00	440.00	440.00	440.00
49.750	440.00	440.00	440.00	440.00	440.00
50.000	440.00	440.00	440.00	440.00	440.00
50.250	440.00	440.00	440.00	440.00	440.00
50.500	440.00	440.00	440.00	440.00	440.00
50.750	440.00	440.00	440.00	440.00	440.00
51.000	440.00	440.00	440.00	440.00	440.00
51.250	440.00	440.00	440.00	440.00	440.00
51.500	440.00	440.00	440.00	440.00	440.00
51.750	440.00	440.00	440.00	440.00	440.00
52.000	440.00	440.00	440.00	440.00	440.00
52.250	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
52.500	440.00	440.00	440.00	440.00	440.00
52.750	440.00	440.00	440.00	440.00	440.00
53.000	440.00	440.00	440.00	440.00	440.00
53.250	440.00	440.00	440.00	440.00	440.00
53.500	440.00	440.00	440.00	440.00	440.00
53.750	440.00	440.00	440.00	440.00	440.00
54.000	440.00	440.00	440.00	440.00	440.00
54.250	440.00	440.00	440.00	440.00	440.00
54.500	440.00	440.00	440.00	440.00	440.00
54.750	440.00	440.00	440.00	440.00	440.00
55.000	440.00	440.00	440.00	440.00	440.00
55.250	440.00	440.00	440.00	440.00	440.00
55.500	440.00	440.00	440.00	440.00	440.00
55.750	440.00	440.00	440.00	440.00	440.00
56.000	440.00	440.00	440.00	440.00	440.00
56.250	440.00	440.00	440.00	440.00	440.00
56.500	440.00	440.00	440.00	440.00	440.00
56.750	440.00	440.00	440.00	440.00	440.00
57.000	440.00	440.00	440.00	440.00	440.00
57.250	440.00	440.00	440.00	440.00	440.00
57.500	440.00	440.00	440.00	440.00	440.00
57.750	440.00	440.00	440.00	440.00	440.00
58.000	440.00	440.00	440.00	440.00	440.00
58.250	440.00	440.00	440.00	440.00	440.00
58.500	440.00	440.00	440.00	440.00	440.00
58.750	440.00	440.00	440.00	440.00	440.00
59.000	440.00	440.00	440.00	440.00	440.00
59.250	440.00	440.00	440.00	440.00	440.00
59.500	440.00	440.00	440.00	440.00	440.00
59.750	440.00	440.00	440.00	440.00	440.00
60.000	440.00	440.00	440.00	440.00	440.00
60.250	440.00	440.00	440.00	440.00	440.00
60.500	440.00	440.00	440.00	440.00	440.00
60.750	440.00	440.00	440.00	440.00	440.00
61.000	440.00	440.00	440.00	440.00	440.00
61.250	440.00	440.00	440.00	440.00	440.00
61.500	440.00	440.00	440.00	440.00	440.00
61.750	440.00	440.00	440.00	440.00	440.00
62.000	440.00	440.00	440.00	440.00	440.00
62.250	440.00	440.00	440.00	440.00	440.00
62.500	440.00	440.00	440.00	440.00	440.00
62.750	440.00	440.00	440.00	440.00	440.00

Subsection: Time vs. Elevation
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
63.000	440.00	440.00	440.00	440.00	440.00
63.250	440.00	440.00	440.00	440.00	440.00
63.500	440.00	440.00	440.00	440.00	440.00
63.750	440.00	440.00	440.00	440.00	440.00
64.000	440.00	440.00	440.00	440.00	440.00
64.250	440.00	440.00	440.00	440.00	440.00
64.500	440.00	440.00	440.00	440.00	440.00
64.750	440.00	440.00	440.00	440.00	440.00
65.000	440.00	440.00	440.00	440.00	440.00
65.250	440.00	440.00	440.00	440.00	440.00
65.500	440.00	440.00	440.00	440.00	440.00
65.750	440.00	440.00	440.00	440.00	440.00
66.000	440.00	440.00	440.00	440.00	440.00
66.250	440.00	440.00	440.00	440.00	440.00
66.500	440.00	440.00	440.00	440.00	440.00
66.750	440.00	440.00	440.00	440.00	440.00
67.000	440.00	440.00	440.00	440.00	440.00
67.250	440.00	440.00	440.00	440.00	440.00
67.500	440.00	440.00	440.00	440.00	440.00
67.750	440.00	440.00	440.00	440.00	440.00
68.000	440.00	440.00	440.00	440.00	440.00
68.250	440.00	440.00	440.00	440.00	440.00
68.500	440.00	440.00	440.00	440.00	440.00
68.750	440.00	440.00	440.00	440.00	440.00
69.000	440.00	440.00	440.00	440.00	440.00
69.250	440.00	440.00	440.00	440.00	440.00
69.500	440.00	440.00	440.00	440.00	440.00
69.750	440.00	440.00	440.00	440.00	440.00
70.000	440.00	440.00	440.00	440.00	440.00
70.250	440.00	440.00	440.00	440.00	440.00
70.500	440.00	440.00	440.00	440.00	440.00
70.750	440.00	440.00	440.00	440.00	440.00
71.000	440.00	440.00	440.00	440.00	440.00
71.250	440.00	440.00	440.00	440.00	440.00
71.500	440.00	440.00	440.00	440.00	440.00
71.750	440.00	440.00	440.00	440.00	440.00
72.000	440.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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	432.00	432.00	432.00	432.00	432.00
0.250	432.00	432.00	432.00	432.00	432.00
0.500	432.00	432.00	432.00	432.00	432.00
0.750	432.00	432.00	432.00	432.00	432.00
1.000	432.00	432.00	432.00	432.00	432.00
1.250	432.00	432.00	432.00	432.00	432.00
1.500	432.00	432.00	432.00	432.00	432.00
1.750	432.00	432.00	432.00	432.00	432.00
2.000	432.00	432.00	432.00	432.00	432.00
2.250	432.00	432.00	432.00	432.00	432.00
2.500	432.00	432.00	432.00	432.00	432.00
2.750	432.00	432.00	432.00	432.00	432.00
3.000	432.00	432.00	432.00	432.00	432.00
3.250	432.00	432.00	432.00	432.00	432.00
3.500	432.00	432.00	432.00	432.00	432.00
3.750	432.00	432.00	432.00	432.00	432.00
4.000	432.00	432.00	432.00	432.00	432.00
4.250	432.00	432.00	432.00	432.00	432.00
4.500	432.00	432.00	432.00	432.00	432.00
4.750	432.00	432.00	432.00	432.00	432.00
5.000	432.00	432.00	432.00	432.00	432.00
5.250	432.00	432.00	432.00	432.00	432.00
5.500	432.00	432.00	432.00	432.00	432.00
5.750	432.00	432.00	432.00	432.00	432.00
6.000	432.00	432.00	432.00	432.00	432.00
6.250	432.00	432.00	432.00	432.00	432.00
6.500	432.00	432.00	432.00	432.00	432.00
6.750	432.00	432.00	432.00	432.00	432.00
7.000	432.00	432.00	432.00	432.00	432.00
7.250	432.00	432.00	432.00	432.00	432.00
7.500	432.00	432.00	432.00	432.00	432.00
7.750	432.00	432.00	432.00	432.00	432.00
8.000	432.00	432.00	432.00	432.00	432.00
8.250	432.00	432.00	432.00	432.00	432.00
8.500	432.00	432.00	432.00	432.00	432.00
8.750	432.00	432.00	432.00	432.00	432.00
9.000	432.00	432.00	432.00	432.00	432.00
9.250	432.00	432.01	432.01	432.01	432.01
9.500	432.01	432.01	432.01	432.01	432.01
9.750	432.01	432.01	432.01	432.01	432.01
10.000	432.01	432.01	432.01	432.01	432.01
10.250	432.01	432.01	432.01	432.01	432.01

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
10.500	432.01	432.01	432.01	432.01	432.02
10.750	432.02	432.02	432.01	432.02	432.02
11.000	432.02	432.02	432.02	432.02	432.02
11.250	432.02	432.03	432.03	432.03	432.03
11.500	432.03	432.04	432.04	432.05	432.06
11.750	432.07	432.09	432.11	432.13	432.19
12.000	432.30	432.44	432.54	432.60	432.64
12.250	432.68	432.70	432.72	432.74	432.76
12.500	432.78	432.79	432.80	432.81	432.81
12.750	432.81	432.81	432.81	432.81	432.81
13.000	432.80	432.80	432.80	432.80	432.79
13.250	432.79	432.79	432.79	432.79	432.78
13.500	432.78	432.77	432.77	432.77	432.76
13.750	432.76	432.75	432.75	432.74	432.74
14.000	432.73	432.72	432.72	432.71	432.71
14.250	432.70	432.70	432.69	432.69	432.68
14.500	432.67	432.67	432.66	432.65	432.64
14.750	432.64	432.63	432.62	432.62	432.61
15.000	432.60	432.60	432.59	432.58	432.58
15.250	432.57	432.56	432.56	432.55	432.54
15.500	432.54	432.53	432.52	432.51	432.50
15.750	432.49	432.48	432.48	432.47	432.46
16.000	432.46	432.45	432.44	432.43	432.42
16.250	432.41	432.41	432.40	432.39	432.39
16.500	432.38	432.37	432.36	432.35	432.34
16.750	432.34	432.33	432.32	432.31	432.30
17.000	432.29	432.29	432.28	432.26	432.26
17.250	432.25	432.24	432.24	432.23	432.21
17.500	432.21	432.20	432.19	432.19	432.18
17.750	432.16	432.16	432.15	432.14	432.13
18.000	432.12	432.11	432.11	432.10	432.09
18.250	432.08	432.07	432.06	432.05	432.04
18.500	432.04	432.03	432.03	432.02	432.02
18.750	432.02	432.02	432.02	432.02	432.02
19.000	432.02	432.02	432.02	432.01	432.01
19.250	432.02	432.01	432.01	432.01	432.01
19.500	432.01	432.01	432.01	432.01	432.01
19.750	432.01	432.01	432.01	432.01	432.01
20.000	432.01	432.01	432.01	432.01	432.01
20.250	432.01	432.01	432.01	432.01	432.01
20.500	432.01	432.01	432.01	432.01	432.01
20.750	432.01	432.01	432.01	432.01	432.01

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
21.000	432.01	432.01	432.01	432.01	432.01
21.250	432.01	432.01	432.01	432.01	432.01
21.500	432.01	432.01	432.01	432.01	432.01
21.750	432.01	432.01	432.01	432.01	432.01
22.000	432.01	432.01	432.01	432.01	432.01
22.250	432.01	432.01	432.01	432.01	432.01
22.500	432.01	432.01	432.01	432.01	432.01
22.750	432.01	432.01	432.01	432.01	432.01
23.000	432.01	432.01	432.01	432.01	432.01
23.250	432.01	432.01	432.01	432.01	432.01
23.500	432.01	432.01	432.01	432.01	432.01
23.750	432.01	432.01	432.01	432.01	432.01
24.000	432.01	432.01	432.01	432.01	432.00
24.250	432.00	432.00	432.00	432.00	432.00
24.500	432.00	432.00	432.00	432.00	432.00
24.750	432.00	432.00	432.00	432.00	432.00
25.000	432.00	432.00	432.00	432.00	432.00
25.250	432.00	432.00	432.00	432.00	432.00
25.500	432.00	432.00	432.00	432.00	432.00
25.750	432.00	432.00	432.00	432.00	432.00
26.000	432.00	432.00	432.00	432.00	432.00
26.250	432.00	432.00	432.00	432.00	432.00
26.500	432.00	432.00	432.00	432.00	432.00
26.750	432.00	432.00	432.00	432.00	432.00
27.000	432.00	432.00	432.00	432.00	432.00
27.250	432.00	432.00	432.00	432.00	432.00
27.500	432.00	432.00	432.00	432.00	432.00
27.750	432.00	432.00	432.00	432.00	432.00
28.000	432.00	432.00	432.00	432.00	432.00
28.250	432.00	432.00	432.00	432.00	432.00
28.500	432.00	432.00	432.00	432.00	432.00
28.750	432.00	432.00	432.00	432.00	432.00
29.000	432.00	432.00	432.00	432.00	432.00
29.250	432.00	432.00	432.00	432.00	432.00
29.500	432.00	432.00	432.00	432.00	432.00
29.750	432.00	432.00	432.00	432.00	432.00
30.000	432.00	432.00	432.00	432.00	432.00
30.250	432.00	432.00	432.00	432.00	432.00
30.500	432.00	432.00	432.00	432.00	432.00
30.750	432.00	432.00	432.00	432.00	432.00
31.000	432.00	432.00	432.00	432.00	432.00
31.250	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
31.500	432.00	432.00	432.00	432.00	432.00
31.750	432.00	432.00	432.00	432.00	432.00
32.000	432.00	432.00	432.00	432.00	432.00
32.250	432.00	432.00	432.00	432.00	432.00
32.500	432.00	432.00	432.00	432.00	432.00
32.750	432.00	432.00	432.00	432.00	432.00
33.000	432.00	432.00	432.00	432.00	432.00
33.250	432.00	432.00	432.00	432.00	432.00
33.500	432.00	432.00	432.00	432.00	432.00
33.750	432.00	432.00	432.00	432.00	432.00
34.000	432.00	432.00	432.00	432.00	432.00
34.250	432.00	432.00	432.00	432.00	432.00
34.500	432.00	432.00	432.00	432.00	432.00
34.750	432.00	432.00	432.00	432.00	432.00
35.000	432.00	432.00	432.00	432.00	432.00
35.250	432.00	432.00	432.00	432.00	432.00
35.500	432.00	432.00	432.00	432.00	432.00
35.750	432.00	432.00	432.00	432.00	432.00
36.000	432.00	432.00	432.00	432.00	432.00
36.250	432.00	432.00	432.00	432.00	432.00
36.500	432.00	432.00	432.00	432.00	432.00
36.750	432.00	432.00	432.00	432.00	432.00
37.000	432.00	432.00	432.00	432.00	432.00
37.250	432.00	432.00	432.00	432.00	432.00
37.500	432.00	432.00	432.00	432.00	432.00
37.750	432.00	432.00	432.00	432.00	432.00
38.000	432.00	432.00	432.00	432.00	432.00
38.250	432.00	432.00	432.00	432.00	432.00
38.500	432.00	432.00	432.00	432.00	432.00
38.750	432.00	432.00	432.00	432.00	432.00
39.000	432.00	432.00	432.00	432.00	432.00
39.250	432.00	432.00	432.00	432.00	432.00
39.500	432.00	432.00	432.00	432.00	432.00
39.750	432.00	432.00	432.00	432.00	432.00
40.000	432.00	432.00	432.00	432.00	432.00
40.250	432.00	432.00	432.00	432.00	432.00
40.500	432.00	432.00	432.00	432.00	432.00
40.750	432.00	432.00	432.00	432.00	432.00
41.000	432.00	432.00	432.00	432.00	432.00
41.250	432.00	432.00	432.00	432.00	432.00
41.500	432.00	432.00	432.00	432.00	432.00
41.750	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
42.000	432.00	432.00	432.00	432.00	432.00
42.250	432.00	432.00	432.00	432.00	432.00
42.500	432.00	432.00	432.00	432.00	432.00
42.750	432.00	432.00	432.00	432.00	432.00
43.000	432.00	432.00	432.00	432.00	432.00
43.250	432.00	432.00	432.00	432.00	432.00
43.500	432.00	432.00	432.00	432.00	432.00
43.750	432.00	432.00	432.00	432.00	432.00
44.000	432.00	432.00	432.00	432.00	432.00
44.250	432.00	432.00	432.00	432.00	432.00
44.500	432.00	432.00	432.00	432.00	432.00
44.750	432.00	432.00	432.00	432.00	432.00
45.000	432.00	432.00	432.00	432.00	432.00
45.250	432.00	432.00	432.00	432.00	432.00
45.500	432.00	432.00	432.00	432.00	432.00
45.750	432.00	432.00	432.00	432.00	432.00
46.000	432.00	432.00	432.00	432.00	432.00
46.250	432.00	432.00	432.00	432.00	432.00
46.500	432.00	432.00	432.00	432.00	432.00
46.750	432.00	432.00	432.00	432.00	432.00
47.000	432.00	432.00	432.00	432.00	432.00
47.250	432.00	432.00	432.00	432.00	432.00
47.500	432.00	432.00	432.00	432.00	432.00
47.750	432.00	432.00	432.00	432.00	432.00
48.000	432.00	432.00	432.00	432.00	432.00
48.250	432.00	432.00	432.00	432.00	432.00
48.500	432.00	432.00	432.00	432.00	432.00
48.750	432.00	432.00	432.00	432.00	432.00
49.000	432.00	432.00	432.00	432.00	432.00
49.250	432.00	432.00	432.00	432.00	432.00
49.500	432.00	432.00	432.00	432.00	432.00
49.750	432.00	432.00	432.00	432.00	432.00
50.000	432.00	432.00	432.00	432.00	432.00
50.250	432.00	432.00	432.00	432.00	432.00
50.500	432.00	432.00	432.00	432.00	432.00
50.750	432.00	432.00	432.00	432.00	432.00
51.000	432.00	432.00	432.00	432.00	432.00
51.250	432.00	432.00	432.00	432.00	432.00
51.500	432.00	432.00	432.00	432.00	432.00
51.750	432.00	432.00	432.00	432.00	432.00
52.000	432.00	432.00	432.00	432.00	432.00
52.250	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
52.500	432.00	432.00	432.00	432.00	432.00
52.750	432.00	432.00	432.00	432.00	432.00
53.000	432.00	432.00	432.00	432.00	432.00
53.250	432.00	432.00	432.00	432.00	432.00
53.500	432.00	432.00	432.00	432.00	432.00
53.750	432.00	432.00	432.00	432.00	432.00
54.000	432.00	432.00	432.00	432.00	432.00
54.250	432.00	432.00	432.00	432.00	432.00
54.500	432.00	432.00	432.00	432.00	432.00
54.750	432.00	432.00	432.00	432.00	432.00
55.000	432.00	432.00	432.00	432.00	432.00
55.250	432.00	432.00	432.00	432.00	432.00
55.500	432.00	432.00	432.00	432.00	432.00
55.750	432.00	432.00	432.00	432.00	432.00
56.000	432.00	432.00	432.00	432.00	432.00
56.250	432.00	432.00	432.00	432.00	432.00
56.500	432.00	432.00	432.00	432.00	432.00
56.750	432.00	432.00	432.00	432.00	432.00
57.000	432.00	432.00	432.00	432.00	432.00
57.250	432.00	432.00	432.00	432.00	432.00
57.500	432.00	432.00	432.00	432.00	432.00
57.750	432.00	432.00	432.00	432.00	432.00
58.000	432.00	432.00	432.00	432.00	432.00
58.250	432.00	432.00	432.00	432.00	432.00
58.500	432.00	432.00	432.00	432.00	432.00
58.750	432.00	432.00	432.00	432.00	432.00
59.000	432.00	432.00	432.00	432.00	432.00
59.250	432.00	432.00	432.00	432.00	432.00
59.500	432.00	432.00	432.00	432.00	432.00
59.750	432.00	432.00	432.00	432.00	432.00
60.000	432.00	432.00	432.00	432.00	432.00
60.250	432.00	432.00	432.00	432.00	432.00
60.500	432.00	432.00	432.00	432.00	432.00
60.750	432.00	432.00	432.00	432.00	432.00
61.000	432.00	432.00	432.00	432.00	432.00
61.250	432.00	432.00	432.00	432.00	432.00
61.500	432.00	432.00	432.00	432.00	432.00
61.750	432.00	432.00	432.00	432.00	432.00
62.000	432.00	432.00	432.00	432.00	432.00
62.250	432.00	432.00	432.00	432.00	432.00
62.500	432.00	432.00	432.00	432.00	432.00
62.750	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
63.000	432.00	432.00	432.00	432.00	432.00
63.250	432.00	432.00	432.00	432.00	432.00
63.500	432.00	432.00	432.00	432.00	432.00
63.750	432.00	432.00	432.00	432.00	432.00
64.000	432.00	432.00	432.00	432.00	432.00
64.250	432.00	432.00	432.00	432.00	432.00
64.500	432.00	432.00	432.00	432.00	432.00
64.750	432.00	432.00	432.00	432.00	432.00
65.000	432.00	432.00	432.00	432.00	432.00
65.250	432.00	432.00	432.00	432.00	432.00
65.500	432.00	432.00	432.00	432.00	432.00
65.750	432.00	432.00	432.00	432.00	432.00
66.000	432.00	432.00	432.00	432.00	432.00
66.250	432.00	432.00	432.00	432.00	432.00
66.500	432.00	432.00	432.00	432.00	432.00
66.750	432.00	432.00	432.00	432.00	432.00
67.000	432.00	432.00	432.00	432.00	432.00
67.250	432.00	432.00	432.00	432.00	432.00
67.500	432.00	432.00	432.00	432.00	432.00
67.750	432.00	432.00	432.00	432.00	432.00
68.000	432.00	432.00	432.00	432.00	432.00
68.250	432.00	432.00	432.00	432.00	432.00
68.500	432.00	432.00	432.00	432.00	432.00
68.750	432.00	432.00	432.00	432.00	432.00
69.000	432.00	432.00	432.00	432.00	432.00
69.250	432.00	432.00	432.00	432.00	432.00
69.500	432.00	432.00	432.00	432.00	432.00
69.750	432.00	432.00	432.00	432.00	432.00
70.000	432.00	432.00	432.00	432.00	432.00
70.250	432.00	432.00	432.00	432.00	432.00
70.500	432.00	432.00	432.00	432.00	432.00
70.750	432.00	432.00	432.00	432.00	432.00
71.000	432.00	432.00	432.00	432.00	432.00
71.250	432.00	432.00	432.00	432.00	432.00
71.500	432.00	432.00	432.00	432.00	432.00
71.750	432.00	432.00	432.00	432.00	432.00
72.000	432.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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	432.00	432.00	432.00	432.00	432.00
0.250	432.00	432.00	432.00	432.00	432.00
0.500	432.00	432.00	432.00	432.00	432.00
0.750	432.00	432.00	432.00	432.00	432.00
1.000	432.00	432.00	432.00	432.00	432.00
1.250	432.00	432.00	432.00	432.00	432.00
1.500	432.00	432.00	432.00	432.00	432.00
1.750	432.00	432.00	432.00	432.00	432.00
2.000	432.00	432.00	432.00	432.00	432.00
2.250	432.00	432.00	432.00	432.00	432.00
2.500	432.00	432.00	432.00	432.00	432.00
2.750	432.00	432.00	432.00	432.00	432.00
3.000	432.00	432.00	432.00	432.00	432.00
3.250	432.00	432.00	432.00	432.00	432.00
3.500	432.00	432.00	432.00	432.00	432.00
3.750	432.00	432.00	432.00	432.00	432.00
4.000	432.00	432.00	432.00	432.00	432.00
4.250	432.00	432.00	432.00	432.00	432.00
4.500	432.00	432.00	432.00	432.00	432.00
4.750	432.00	432.00	432.00	432.00	432.00
5.000	432.00	432.00	432.00	432.00	432.00
5.250	432.00	432.00	432.00	432.00	432.00
5.500	432.00	432.00	432.01	432.01	432.01
5.750	432.01	432.01	432.01	432.01	432.01
6.000	432.01	432.01	432.01	432.01	432.01
6.250	432.01	432.01	432.01	432.01	432.01
6.500	432.01	432.01	432.01	432.01	432.01
6.750	432.01	432.01	432.01	432.01	432.01
7.000	432.01	432.01	432.01	432.01	432.01
7.250	432.01	432.01	432.01	432.01	432.01
7.500	432.01	432.01	432.01	432.01	432.01
7.750	432.01	432.02	432.02	432.02	432.02
8.000	432.02	432.02	432.02	432.02	432.02
8.250	432.02	432.02	432.02	432.02	432.02
8.500	432.02	432.02	432.02	432.02	432.02
8.750	432.02	432.02	432.02	432.02	432.02
9.000	432.03	432.03	432.03	432.03	432.03
9.250	432.03	432.03	432.03	432.03	432.03
9.500	432.03	432.03	432.03	432.03	432.03
9.750	432.03	432.03	432.03	432.03	432.04
10.000	432.04	432.04	432.04	432.04	432.04
10.250	432.04	432.04	432.04	432.05	432.05

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
10.500	432.05	432.05	432.05	432.05	432.05
10.750	432.06	432.06	432.06	432.07	432.07
11.000	432.08	432.08	432.09	432.10	432.11
11.250	432.12	432.13	432.14	432.15	432.17
11.500	432.18	432.20	432.24	432.28	432.33
11.750	432.39	432.45	432.52	432.60	432.73
12.000	432.97	433.23	433.43	433.56	433.66
12.250	433.73	433.80	433.85	433.90	433.95
12.500	433.99	434.03	434.06	434.08	434.09
12.750	434.10	434.12	434.13	434.14	434.15
13.000	434.16	434.16	434.17	434.18	434.19
13.250	434.20	434.20	434.20	434.21	434.21
13.500	434.21	434.22	434.22	434.22	434.22
13.750	434.23	434.23	434.23	434.23	434.23
14.000	434.23	434.23	434.23	434.23	434.23
14.250	434.23	434.23	434.23	434.23	434.23
14.500	434.23	434.23	434.23	434.22	434.22
14.750	434.22	434.22	434.22	434.21	434.21
15.000	434.21	434.21	434.21	434.20	434.20
15.250	434.20	434.19	434.19	434.18	434.18
15.500	434.18	434.18	434.17	434.17	434.16
15.750	434.16	434.16	434.16	434.15	434.14
16.000	434.14	434.14	434.13	434.13	434.12
16.250	434.12	434.11	434.11	434.11	434.10
16.500	434.10	434.09	434.08	434.08	434.07
16.750	434.07	434.07	434.06	434.05	434.05
17.000	434.04	434.04	434.03	434.03	434.02
17.250	434.02	434.01	434.01	434.00	434.00
17.500	433.99	433.98	433.98	433.97	433.97
17.750	433.96	433.96	433.95	433.95	433.94
18.000	433.93	433.92	433.92	433.91	433.90
18.250	433.90	433.89	433.89	433.89	433.88
18.500	433.87	433.87	433.86	433.85	433.85
18.750	433.84	433.83	433.83	433.82	433.81
19.000	433.81	433.80	433.79	433.79	433.78
19.250	433.77	433.76	433.76	433.75	433.74
19.500	433.74	433.73	433.72	433.72	433.71
19.750	433.70	433.70	433.69	433.68	433.68
20.000	433.67	433.66	433.66	433.65	433.64
20.250	433.64	433.63	433.62	433.62	433.61
20.500	433.60	433.60	433.59	433.58	433.58
20.750	433.57	433.56	433.55	433.54	433.53

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
21.000	433.53	433.52	433.51	433.51	433.50
21.250	433.49	433.49	433.48	433.47	433.47
21.500	433.46	433.45	433.44	433.43	433.42
21.750	433.42	433.41	433.40	433.40	433.39
22.000	433.38	433.38	433.37	433.36	433.35
22.250	433.34	433.33	433.33	433.32	433.31
22.500	433.31	433.30	433.29	433.28	433.27
22.750	433.26	433.26	433.25	433.25	433.24
23.000	433.23	433.23	433.22	433.20	433.20
23.250	433.19	433.18	433.18	433.17	433.16
23.500	433.15	433.14	433.13	433.13	433.12
23.750	433.11	433.11	433.10	433.09	433.08
24.000	433.07	433.06	433.05	433.04	433.03
24.250	433.02	433.01	432.99	432.98	432.97
24.500	432.96	432.94	432.93	432.92	432.91
24.750	432.90	432.88	432.87	432.86	432.85
25.000	432.83	432.82	432.81	432.80	432.79
25.250	432.77	432.76	432.75	432.74	432.72
25.500	432.71	432.70	432.69	432.68	432.66
25.750	432.65	432.64	432.63	432.62	432.60
26.000	432.59	432.58	432.57	432.55	432.54
26.250	432.53	432.52	432.51	432.49	432.48
26.500	432.47	432.46	432.44	432.43	432.42
26.750	432.41	432.40	432.38	432.37	432.36
27.000	432.35	432.33	432.32	432.31	432.30
27.250	432.29	432.27	432.26	432.25	432.24
27.500	432.22	432.21	432.20	432.19	432.18
27.750	432.16	432.15	432.14	432.13	432.11
28.000	432.10	432.09	432.08	432.07	432.05
28.250	432.04	432.03	432.03	432.02	432.02
28.500	432.01	432.01	432.01	432.01	432.00
28.750	432.00	432.00	432.00	432.00	432.00
29.000	432.00	432.00	432.00	432.00	432.00
29.250	432.00	432.00	432.00	432.00	432.00
29.500	432.00	432.00	432.00	432.00	432.00
29.750	432.00	432.00	432.00	432.00	432.00
30.000	432.00	432.00	432.00	432.00	432.00
30.250	432.00	432.00	432.00	432.00	432.00
30.500	432.00	432.00	432.00	432.00	432.00
30.750	432.00	432.00	432.00	432.00	432.00
31.000	432.00	432.00	432.00	432.00	432.00
31.250	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
31.500	432.00	432.00	432.00	432.00	432.00
31.750	432.00	432.00	432.00	432.00	432.00
32.000	432.00	432.00	432.00	432.00	432.00
32.250	432.00	432.00	432.00	432.00	432.00
32.500	432.00	432.00	432.00	432.00	432.00
32.750	432.00	432.00	432.00	432.00	432.00
33.000	432.00	432.00	432.00	432.00	432.00
33.250	432.00	432.00	432.00	432.00	432.00
33.500	432.00	432.00	432.00	432.00	432.00
33.750	432.00	432.00	432.00	432.00	432.00
34.000	432.00	432.00	432.00	432.00	432.00
34.250	432.00	432.00	432.00	432.00	432.00
34.500	432.00	432.00	432.00	432.00	432.00
34.750	432.00	432.00	432.00	432.00	432.00
35.000	432.00	432.00	432.00	432.00	432.00
35.250	432.00	432.00	432.00	432.00	432.00
35.500	432.00	432.00	432.00	432.00	432.00
35.750	432.00	432.00	432.00	432.00	432.00
36.000	432.00	432.00	432.00	432.00	432.00
36.250	432.00	432.00	432.00	432.00	432.00
36.500	432.00	432.00	432.00	432.00	432.00
36.750	432.00	432.00	432.00	432.00	432.00
37.000	432.00	432.00	432.00	432.00	432.00
37.250	432.00	432.00	432.00	432.00	432.00
37.500	432.00	432.00	432.00	432.00	432.00
37.750	432.00	432.00	432.00	432.00	432.00
38.000	432.00	432.00	432.00	432.00	432.00
38.250	432.00	432.00	432.00	432.00	432.00
38.500	432.00	432.00	432.00	432.00	432.00
38.750	432.00	432.00	432.00	432.00	432.00
39.000	432.00	432.00	432.00	432.00	432.00
39.250	432.00	432.00	432.00	432.00	432.00
39.500	432.00	432.00	432.00	432.00	432.00
39.750	432.00	432.00	432.00	432.00	432.00
40.000	432.00	432.00	432.00	432.00	432.00
40.250	432.00	432.00	432.00	432.00	432.00
40.500	432.00	432.00	432.00	432.00	432.00
40.750	432.00	432.00	432.00	432.00	432.00
41.000	432.00	432.00	432.00	432.00	432.00
41.250	432.00	432.00	432.00	432.00	432.00
41.500	432.00	432.00	432.00	432.00	432.00
41.750	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
42.000	432.00	432.00	432.00	432.00	432.00
42.250	432.00	432.00	432.00	432.00	432.00
42.500	432.00	432.00	432.00	432.00	432.00
42.750	432.00	432.00	432.00	432.00	432.00
43.000	432.00	432.00	432.00	432.00	432.00
43.250	432.00	432.00	432.00	432.00	432.00
43.500	432.00	432.00	432.00	432.00	432.00
43.750	432.00	432.00	432.00	432.00	432.00
44.000	432.00	432.00	432.00	432.00	432.00
44.250	432.00	432.00	432.00	432.00	432.00
44.500	432.00	432.00	432.00	432.00	432.00
44.750	432.00	432.00	432.00	432.00	432.00
45.000	432.00	432.00	432.00	432.00	432.00
45.250	432.00	432.00	432.00	432.00	432.00
45.500	432.00	432.00	432.00	432.00	432.00
45.750	432.00	432.00	432.00	432.00	432.00
46.000	432.00	432.00	432.00	432.00	432.00
46.250	432.00	432.00	432.00	432.00	432.00
46.500	432.00	432.00	432.00	432.00	432.00
46.750	432.00	432.00	432.00	432.00	432.00
47.000	432.00	432.00	432.00	432.00	432.00
47.250	432.00	432.00	432.00	432.00	432.00
47.500	432.00	432.00	432.00	432.00	432.00
47.750	432.00	432.00	432.00	432.00	432.00
48.000	432.00	432.00	432.00	432.00	432.00
48.250	432.00	432.00	432.00	432.00	432.00
48.500	432.00	432.00	432.00	432.00	432.00
48.750	432.00	432.00	432.00	432.00	432.00
49.000	432.00	432.00	432.00	432.00	432.00
49.250	432.00	432.00	432.00	432.00	432.00
49.500	432.00	432.00	432.00	432.00	432.00
49.750	432.00	432.00	432.00	432.00	432.00
50.000	432.00	432.00	432.00	432.00	432.00
50.250	432.00	432.00	432.00	432.00	432.00
50.500	432.00	432.00	432.00	432.00	432.00
50.750	432.00	432.00	432.00	432.00	432.00
51.000	432.00	432.00	432.00	432.00	432.00
51.250	432.00	432.00	432.00	432.00	432.00
51.500	432.00	432.00	432.00	432.00	432.00
51.750	432.00	432.00	432.00	432.00	432.00
52.000	432.00	432.00	432.00	432.00	432.00
52.250	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
52.500	432.00	432.00	432.00	432.00	432.00
52.750	432.00	432.00	432.00	432.00	432.00
53.000	432.00	432.00	432.00	432.00	432.00
53.250	432.00	432.00	432.00	432.00	432.00
53.500	432.00	432.00	432.00	432.00	432.00
53.750	432.00	432.00	432.00	432.00	432.00
54.000	432.00	432.00	432.00	432.00	432.00
54.250	432.00	432.00	432.00	432.00	432.00
54.500	432.00	432.00	432.00	432.00	432.00
54.750	432.00	432.00	432.00	432.00	432.00
55.000	432.00	432.00	432.00	432.00	432.00
55.250	432.00	432.00	432.00	432.00	432.00
55.500	432.00	432.00	432.00	432.00	432.00
55.750	432.00	432.00	432.00	432.00	432.00
56.000	432.00	432.00	432.00	432.00	432.00
56.250	432.00	432.00	432.00	432.00	432.00
56.500	432.00	432.00	432.00	432.00	432.00
56.750	432.00	432.00	432.00	432.00	432.00
57.000	432.00	432.00	432.00	432.00	432.00
57.250	432.00	432.00	432.00	432.00	432.00
57.500	432.00	432.00	432.00	432.00	432.00
57.750	432.00	432.00	432.00	432.00	432.00
58.000	432.00	432.00	432.00	432.00	432.00
58.250	432.00	432.00	432.00	432.00	432.00
58.500	432.00	432.00	432.00	432.00	432.00
58.750	432.00	432.00	432.00	432.00	432.00
59.000	432.00	432.00	432.00	432.00	432.00
59.250	432.00	432.00	432.00	432.00	432.00
59.500	432.00	432.00	432.00	432.00	432.00
59.750	432.00	432.00	432.00	432.00	432.00
60.000	432.00	432.00	432.00	432.00	432.00
60.250	432.00	432.00	432.00	432.00	432.00
60.500	432.00	432.00	432.00	432.00	432.00
60.750	432.00	432.00	432.00	432.00	432.00
61.000	432.00	432.00	432.00	432.00	432.00
61.250	432.00	432.00	432.00	432.00	432.00
61.500	432.00	432.00	432.00	432.00	432.00
61.750	432.00	432.00	432.00	432.00	432.00
62.000	432.00	432.00	432.00	432.00	432.00
62.250	432.00	432.00	432.00	432.00	432.00
62.500	432.00	432.00	432.00	432.00	432.00
62.750	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
63.000	432.00	432.00	432.00	432.00	432.00
63.250	432.00	432.00	432.00	432.00	432.00
63.500	432.00	432.00	432.00	432.00	432.00
63.750	432.00	432.00	432.00	432.00	432.00
64.000	432.00	432.00	432.00	432.00	432.00
64.250	432.00	432.00	432.00	432.00	432.00
64.500	432.00	432.00	432.00	432.00	432.00
64.750	432.00	432.00	432.00	432.00	432.00
65.000	432.00	432.00	432.00	432.00	432.00
65.250	432.00	432.00	432.00	432.00	432.00
65.500	432.00	432.00	432.00	432.00	432.00
65.750	432.00	432.00	432.00	432.00	432.00
66.000	432.00	432.00	432.00	432.00	432.00
66.250	432.00	432.00	432.00	432.00	432.00
66.500	432.00	432.00	432.00	432.00	432.00
66.750	432.00	432.00	432.00	432.00	432.00
67.000	432.00	432.00	432.00	432.00	432.00
67.250	432.00	432.00	432.00	432.00	432.00
67.500	432.00	432.00	432.00	432.00	432.00
67.750	432.00	432.00	432.00	432.00	432.00
68.000	432.00	432.00	432.00	432.00	432.00
68.250	432.00	432.00	432.00	432.00	432.00
68.500	432.00	432.00	432.00	432.00	432.00
68.750	432.00	432.00	432.00	432.00	432.00
69.000	432.00	432.00	432.00	432.00	432.00
69.250	432.00	432.00	432.00	432.00	432.00
69.500	432.00	432.00	432.00	432.00	432.00
69.750	432.00	432.00	432.00	432.00	432.00
70.000	432.00	432.00	432.00	432.00	432.00
70.250	432.00	432.00	432.00	432.00	432.00
70.500	432.00	432.00	432.00	432.00	432.00
70.750	432.00	432.00	432.00	432.00	432.00
71.000	432.00	432.00	432.00	432.00	432.00
71.250	432.00	432.00	432.00	432.00	432.00
71.500	432.00	432.00	432.00	432.00	432.00
71.750	432.00	432.00	432.00	432.00	432.00
72.000	432.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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	432.00	432.00	432.00	432.00	432.00
0.250	432.00	432.00	432.00	432.00	432.00
0.500	432.00	432.00	432.00	432.00	432.00
0.750	432.00	432.00	432.00	432.00	432.00
1.000	432.00	432.00	432.00	432.00	432.00
1.250	432.00	432.00	432.00	432.00	432.00
1.500	432.00	432.00	432.00	432.00	432.00
1.750	432.00	432.00	432.00	432.00	432.00
2.000	432.00	432.00	432.00	432.00	432.00
2.250	432.00	432.00	432.00	432.00	432.00
2.500	432.00	432.00	432.00	432.00	432.00
2.750	432.00	432.01	432.01	432.01	432.01
3.000	432.01	432.01	432.01	432.01	432.01
3.250	432.01	432.01	432.01	432.01	432.01
3.500	432.01	432.01	432.01	432.01	432.01
3.750	432.01	432.02	432.02	432.01	432.01
4.000	432.01	432.02	432.02	432.02	432.02
4.250	432.02	432.02	432.02	432.02	432.02
4.500	432.02	432.02	432.02	432.03	432.03
4.750	432.03	432.03	432.03	432.03	432.03
5.000	432.03	432.03	432.03	432.03	432.03
5.250	432.03	432.03	432.03	432.03	432.03
5.500	432.03	432.03	432.03	432.03	432.03
5.750	432.03	432.03	432.03	432.03	432.03
6.000	432.04	432.04	432.04	432.04	432.04
6.250	432.04	432.04	432.04	432.04	432.04
6.500	432.04	432.04	432.04	432.04	432.04
6.750	432.04	432.05	432.05	432.05	432.05
7.000	432.05	432.05	432.05	432.05	432.05
7.250	432.05	432.05	432.05	432.05	432.05
7.500	432.05	432.06	432.06	432.06	432.06
7.750	432.07	432.07	432.07	432.07	432.08
8.000	432.08	432.08	432.08	432.09	432.09
8.250	432.09	432.10	432.11	432.11	432.11
8.500	432.12	432.12	432.13	432.13	432.14
8.750	432.14	432.15	432.16	432.17	432.18
9.000	432.18	432.19	432.19	432.20	432.21
9.250	432.22	432.23	432.24	432.25	432.26
9.500	432.27	432.29	432.30	432.31	432.32
9.750	432.33	432.34	432.36	432.37	432.39
10.000	432.40	432.42	432.43	432.45	432.46
10.250	432.48	432.50	432.51	432.53	432.55

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
10.500	432.57	432.59	432.62	432.64	432.66
10.750	432.69	432.72	432.74	432.77	432.80
11.000	432.83	432.86	432.89	432.92	432.96
11.250	433.00	433.03	433.07	433.12	433.17
11.500	433.22	433.28	433.37	433.47	433.58
11.750	433.70	433.83	433.98	434.15	434.39
12.000	434.78	435.19	435.45	435.57	435.62
12.250	435.63	435.62	435.60	435.58	435.56
12.500	435.54	435.51	435.47	435.43	435.39
12.750	435.35	435.32	435.29	435.27	435.25
13.000	435.23	435.21	435.19	435.18	435.16
13.250	435.15	435.14	435.13	435.12	435.11
13.500	435.10	435.10	435.09	435.08	435.08
13.750	435.07	435.07	435.06	435.05	435.05
14.000	435.04	435.04	435.04	435.03	435.03
14.250	435.03	435.02	435.02	435.01	435.01
14.500	435.01	435.00	435.00	435.00	434.99
14.750	434.99	434.99	434.99	434.98	434.98
15.000	434.98	434.98	434.97	434.97	434.97
15.250	434.97	434.97	434.96	434.96	434.96
15.500	434.96	434.96	434.95	434.95	434.95
15.750	434.94	434.94	434.94	434.94	434.94
16.000	434.94	434.94	434.94	434.93	434.93
16.250	434.93	434.93	434.93	434.92	434.92
16.500	434.92	434.92	434.92	434.92	434.91
16.750	434.91	434.91	434.91	434.91	434.91
17.000	434.91	434.91	434.90	434.90	434.90
17.250	434.90	434.90	434.89	434.89	434.89
17.500	434.89	434.89	434.89	434.89	434.89
17.750	434.89	434.89	434.88	434.88	434.88
18.000	434.88	434.88	434.88	434.87	434.87
18.250	434.87	434.87	434.87	434.87	434.87
18.500	434.86	434.86	434.86	434.86	434.86
18.750	434.86	434.86	434.86	434.85	434.85
19.000	434.85	434.85	434.85	434.85	434.85
19.250	434.85	434.85	434.85	434.84	434.84
19.500	434.84	434.84	434.84	434.83	434.83
19.750	434.83	434.83	434.83	434.82	434.82
20.000	434.82	434.82	434.82	434.81	434.81
20.250	434.81	434.81	434.81	434.80	434.80
20.500	434.80	434.79	434.79	434.79	434.78
20.750	434.78	434.78	434.78	434.78	434.77

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
21.000	434.77	434.77	434.76	434.76	434.75
21.250	434.75	434.75	434.75	434.75	434.74
21.500	434.74	434.74	434.73	434.73	434.73
21.750	434.72	434.72	434.72	434.71	434.71
22.000	434.70	434.70	434.70	434.70	434.70
22.250	434.69	434.69	434.68	434.68	434.68
22.500	434.67	434.67	434.67	434.66	434.66
22.750	434.65	434.65	434.64	434.64	434.64
23.000	434.64	434.63	434.63	434.62	434.62
23.250	434.62	434.61	434.61	434.60	434.60
23.500	434.59	434.59	434.58	434.58	434.58
23.750	434.57	434.57	434.56	434.56	434.55
24.000	434.55	434.55	434.54	434.53	434.51
24.250	434.50	434.49	434.48	434.47	434.45
24.500	434.44	434.43	434.42	434.40	434.39
24.750	434.38	434.37	434.36	434.34	434.33
25.000	434.32	434.31	434.29	434.28	434.27
25.250	434.26	434.25	434.23	434.22	434.21
25.500	434.20	434.18	434.17	434.16	434.15
25.750	434.14	434.12	434.11	434.10	434.09
26.000	434.07	434.06	434.05	434.04	434.03
26.250	434.01	434.00	433.99	433.98	433.96
26.500	433.95	433.94	433.93	433.92	433.90
26.750	433.89	433.88	433.87	433.86	433.84
27.000	433.83	433.82	433.81	433.79	433.78
27.250	433.77	433.76	433.75	433.73	433.72
27.500	433.71	433.70	433.68	433.67	433.66
27.750	433.65	433.64	433.62	433.61	433.60
28.000	433.59	433.57	433.56	433.55	433.54
28.250	433.53	433.51	433.50	433.49	433.48
28.500	433.46	433.45	433.44	433.43	433.42
28.750	433.40	433.39	433.38	433.37	433.35
29.000	433.34	433.33	433.32	433.31	433.29
29.250	433.28	433.27	433.26	433.24	433.23
29.500	433.22	433.21	433.20	433.18	433.17
29.750	433.16	433.15	433.13	433.12	433.11
30.000	433.10	433.09	433.07	433.06	433.05
30.250	433.04	433.02	433.01	433.00	432.99
30.500	432.98	432.96	432.95	432.94	432.93
30.750	432.92	432.90	432.89	432.88	432.87
31.000	432.85	432.84	432.83	432.82	432.81
31.250	432.79	432.78	432.77	432.76	432.74

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
31.500	432.73	432.72	432.71	432.70	432.68
31.750	432.67	432.66	432.65	432.63	432.62
32.000	432.61	432.60	432.59	432.57	432.56
32.250	432.55	432.54	432.52	432.51	432.50
32.500	432.49	432.48	432.46	432.45	432.44
32.750	432.43	432.41	432.40	432.39	432.38
33.000	432.37	432.35	432.34	432.33	432.32
33.250	432.30	432.29	432.28	432.27	432.26
33.500	432.24	432.23	432.22	432.21	432.19
33.750	432.18	432.17	432.16	432.15	432.13
34.000	432.12	432.11	432.10	432.08	432.07
34.250	432.06	432.05	432.04	432.03	432.02
34.500	432.02	432.01	432.01	432.01	432.01
34.750	432.01	432.00	432.00	432.00	432.00
35.000	432.00	432.00	432.00	432.00	432.00
35.250	432.00	432.00	432.00	432.00	432.00
35.500	432.00	432.00	432.00	432.00	432.00
35.750	432.00	432.00	432.00	432.00	432.00
36.000	432.00	432.00	432.00	432.00	432.00
36.250	432.00	432.00	432.00	432.00	432.00
36.500	432.00	432.00	432.00	432.00	432.00
36.750	432.00	432.00	432.00	432.00	432.00
37.000	432.00	432.00	432.00	432.00	432.00
37.250	432.00	432.00	432.00	432.00	432.00
37.500	432.00	432.00	432.00	432.00	432.00
37.750	432.00	432.00	432.00	432.00	432.00
38.000	432.00	432.00	432.00	432.00	432.00
38.250	432.00	432.00	432.00	432.00	432.00
38.500	432.00	432.00	432.00	432.00	432.00
38.750	432.00	432.00	432.00	432.00	432.00
39.000	432.00	432.00	432.00	432.00	432.00
39.250	432.00	432.00	432.00	432.00	432.00
39.500	432.00	432.00	432.00	432.00	432.00
39.750	432.00	432.00	432.00	432.00	432.00
40.000	432.00	432.00	432.00	432.00	432.00
40.250	432.00	432.00	432.00	432.00	432.00
40.500	432.00	432.00	432.00	432.00	432.00
40.750	432.00	432.00	432.00	432.00	432.00
41.000	432.00	432.00	432.00	432.00	432.00
41.250	432.00	432.00	432.00	432.00	432.00
41.500	432.00	432.00	432.00	432.00	432.00
41.750	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
42.000	432.00	432.00	432.00	432.00	432.00
42.250	432.00	432.00	432.00	432.00	432.00
42.500	432.00	432.00	432.00	432.00	432.00
42.750	432.00	432.00	432.00	432.00	432.00
43.000	432.00	432.00	432.00	432.00	432.00
43.250	432.00	432.00	432.00	432.00	432.00
43.500	432.00	432.00	432.00	432.00	432.00
43.750	432.00	432.00	432.00	432.00	432.00
44.000	432.00	432.00	432.00	432.00	432.00
44.250	432.00	432.00	432.00	432.00	432.00
44.500	432.00	432.00	432.00	432.00	432.00
44.750	432.00	432.00	432.00	432.00	432.00
45.000	432.00	432.00	432.00	432.00	432.00
45.250	432.00	432.00	432.00	432.00	432.00
45.500	432.00	432.00	432.00	432.00	432.00
45.750	432.00	432.00	432.00	432.00	432.00
46.000	432.00	432.00	432.00	432.00	432.00
46.250	432.00	432.00	432.00	432.00	432.00
46.500	432.00	432.00	432.00	432.00	432.00
46.750	432.00	432.00	432.00	432.00	432.00
47.000	432.00	432.00	432.00	432.00	432.00
47.250	432.00	432.00	432.00	432.00	432.00
47.500	432.00	432.00	432.00	432.00	432.00
47.750	432.00	432.00	432.00	432.00	432.00
48.000	432.00	432.00	432.00	432.00	432.00
48.250	432.00	432.00	432.00	432.00	432.00
48.500	432.00	432.00	432.00	432.00	432.00
48.750	432.00	432.00	432.00	432.00	432.00
49.000	432.00	432.00	432.00	432.00	432.00
49.250	432.00	432.00	432.00	432.00	432.00
49.500	432.00	432.00	432.00	432.00	432.00
49.750	432.00	432.00	432.00	432.00	432.00
50.000	432.00	432.00	432.00	432.00	432.00
50.250	432.00	432.00	432.00	432.00	432.00
50.500	432.00	432.00	432.00	432.00	432.00
50.750	432.00	432.00	432.00	432.00	432.00
51.000	432.00	432.00	432.00	432.00	432.00
51.250	432.00	432.00	432.00	432.00	432.00
51.500	432.00	432.00	432.00	432.00	432.00
51.750	432.00	432.00	432.00	432.00	432.00
52.000	432.00	432.00	432.00	432.00	432.00
52.250	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
52.500	432.00	432.00	432.00	432.00	432.00
52.750	432.00	432.00	432.00	432.00	432.00
53.000	432.00	432.00	432.00	432.00	432.00
53.250	432.00	432.00	432.00	432.00	432.00
53.500	432.00	432.00	432.00	432.00	432.00
53.750	432.00	432.00	432.00	432.00	432.00
54.000	432.00	432.00	432.00	432.00	432.00
54.250	432.00	432.00	432.00	432.00	432.00
54.500	432.00	432.00	432.00	432.00	432.00
54.750	432.00	432.00	432.00	432.00	432.00
55.000	432.00	432.00	432.00	432.00	432.00
55.250	432.00	432.00	432.00	432.00	432.00
55.500	432.00	432.00	432.00	432.00	432.00
55.750	432.00	432.00	432.00	432.00	432.00
56.000	432.00	432.00	432.00	432.00	432.00
56.250	432.00	432.00	432.00	432.00	432.00
56.500	432.00	432.00	432.00	432.00	432.00
56.750	432.00	432.00	432.00	432.00	432.00
57.000	432.00	432.00	432.00	432.00	432.00
57.250	432.00	432.00	432.00	432.00	432.00
57.500	432.00	432.00	432.00	432.00	432.00
57.750	432.00	432.00	432.00	432.00	432.00
58.000	432.00	432.00	432.00	432.00	432.00
58.250	432.00	432.00	432.00	432.00	432.00
58.500	432.00	432.00	432.00	432.00	432.00
58.750	432.00	432.00	432.00	432.00	432.00
59.000	432.00	432.00	432.00	432.00	432.00
59.250	432.00	432.00	432.00	432.00	432.00
59.500	432.00	432.00	432.00	432.00	432.00
59.750	432.00	432.00	432.00	432.00	432.00
60.000	432.00	432.00	432.00	432.00	432.00
60.250	432.00	432.00	432.00	432.00	432.00
60.500	432.00	432.00	432.00	432.00	432.00
60.750	432.00	432.00	432.00	432.00	432.00
61.000	432.00	432.00	432.00	432.00	432.00
61.250	432.00	432.00	432.00	432.00	432.00
61.500	432.00	432.00	432.00	432.00	432.00
61.750	432.00	432.00	432.00	432.00	432.00
62.000	432.00	432.00	432.00	432.00	432.00
62.250	432.00	432.00	432.00	432.00	432.00
62.500	432.00	432.00	432.00	432.00	432.00
62.750	432.00	432.00	432.00	432.00	432.00

Subsection: Time vs. Elevation
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
63.000	432.00	432.00	432.00	432.00	432.00
63.250	432.00	432.00	432.00	432.00	432.00
63.500	432.00	432.00	432.00	432.00	432.00
63.750	432.00	432.00	432.00	432.00	432.00
64.000	432.00	432.00	432.00	432.00	432.00
64.250	432.00	432.00	432.00	432.00	432.00
64.500	432.00	432.00	432.00	432.00	432.00
64.750	432.00	432.00	432.00	432.00	432.00
65.000	432.00	432.00	432.00	432.00	432.00
65.250	432.00	432.00	432.00	432.00	432.00
65.500	432.00	432.00	432.00	432.00	432.00
65.750	432.00	432.00	432.00	432.00	432.00
66.000	432.00	432.00	432.00	432.00	432.00
66.250	432.00	432.00	432.00	432.00	432.00
66.500	432.00	432.00	432.00	432.00	432.00
66.750	432.00	432.00	432.00	432.00	432.00
67.000	432.00	432.00	432.00	432.00	432.00
67.250	432.00	432.00	432.00	432.00	432.00
67.500	432.00	432.00	432.00	432.00	432.00
67.750	432.00	432.00	432.00	432.00	432.00
68.000	432.00	432.00	432.00	432.00	432.00
68.250	432.00	432.00	432.00	432.00	432.00
68.500	432.00	432.00	432.00	432.00	432.00
68.750	432.00	432.00	432.00	432.00	432.00
69.000	432.00	432.00	432.00	432.00	432.00
69.250	432.00	432.00	432.00	432.00	432.00
69.500	432.00	432.00	432.00	432.00	432.00
69.750	432.00	432.00	432.00	432.00	432.00
70.000	432.00	432.00	432.00	432.00	432.00
70.250	432.00	432.00	432.00	432.00	432.00
70.500	432.00	432.00	432.00	432.00	432.00
70.750	432.00	432.00	432.00	432.00	432.00
71.000	432.00	432.00	432.00	432.00	432.00
71.250	432.00	432.00	432.00	432.00	432.00
71.500	432.00	432.00	432.00	432.00	432.00
71.750	432.00	432.00	432.00	432.00	432.00
72.000	432.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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	434.00	434.00	434.00	434.00	434.00
0.250	434.00	434.00	434.00	434.00	434.00
0.500	434.00	434.00	434.00	434.00	434.00
0.750	434.00	434.00	434.00	434.00	434.00
1.000	434.00	434.00	434.00	434.00	434.00
1.250	434.00	434.00	434.00	434.00	434.00
1.500	434.00	434.00	434.00	434.00	434.00
1.750	434.00	434.00	434.00	434.00	434.00
2.000	434.00	434.00	434.00	434.00	434.00
2.250	434.00	434.00	434.00	434.00	434.00
2.500	434.00	434.00	434.00	434.00	434.00
2.750	434.00	434.00	434.00	434.00	434.00
3.000	434.00	434.00	434.00	434.00	434.00
3.250	434.00	434.00	434.00	434.00	434.00
3.500	434.00	434.00	434.00	434.00	434.00
3.750	434.00	434.00	434.00	434.00	434.00
4.000	434.00	434.00	434.00	434.00	434.00
4.250	434.00	434.00	434.00	434.00	434.00
4.500	434.00	434.00	434.00	434.00	434.00
4.750	434.00	434.00	434.00	434.00	434.00
5.000	434.00	434.00	434.00	434.00	434.00
5.250	434.00	434.00	434.00	434.00	434.00
5.500	434.00	434.00	434.00	434.00	434.00
5.750	434.00	434.00	434.00	434.00	434.00
6.000	434.00	434.00	434.00	434.00	434.00
6.250	434.00	434.00	434.00	434.00	434.00
6.500	434.00	434.00	434.00	434.00	434.00
6.750	434.00	434.00	434.00	434.00	434.00
7.000	434.00	434.00	434.00	434.00	434.00
7.250	434.00	434.00	434.00	434.00	434.00
7.500	434.00	434.00	434.00	434.00	434.00
7.750	434.00	434.00	434.00	434.00	434.00
8.000	434.00	434.00	434.00	434.00	434.00
8.250	434.00	434.00	434.00	434.00	434.00
8.500	434.00	434.00	434.00	434.00	434.00
8.750	434.00	434.00	434.00	434.00	434.00
9.000	434.00	434.00	434.00	434.00	434.00
9.250	434.00	434.00	434.00	434.00	434.00
9.500	434.00	434.00	434.00	434.00	434.00
9.750	434.00	434.00	434.00	434.00	434.00
10.000	434.00	434.00	434.00	434.00	434.00
10.250	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
10.500	434.00	434.00	434.00	434.00	434.00
10.750	434.00	434.00	434.00	434.00	434.00
11.000	434.00	434.01	434.01	434.01	434.01
11.250	434.01	434.01	434.01	434.01	434.01
11.500	434.01	434.01	434.01	434.02	434.02
11.750	434.02	434.03	434.03	434.04	434.06
12.000	434.13	434.22	434.28	434.31	434.32
12.250	434.32	434.32	434.32	434.31	434.31
12.500	434.30	434.29	434.27	434.25	434.23
12.750	434.21	434.19	434.16	434.14	434.11
13.000	434.09	434.06	434.04	434.03	434.02
13.250	434.02	434.02	434.01	434.01	434.01
13.500	434.01	434.01	434.01	434.01	434.01
13.750	434.01	434.01	434.01	434.01	434.01
14.000	434.01	434.01	434.01	434.01	434.01
14.250	434.01	434.01	434.01	434.01	434.01
14.500	434.01	434.01	434.01	434.01	434.01
14.750	434.01	434.01	434.01	434.01	434.01
15.000	434.01	434.01	434.01	434.01	434.01
15.250	434.01	434.01	434.01	434.01	434.01
15.500	434.01	434.01	434.00	434.00	434.00
15.750	434.01	434.01	434.01	434.01	434.01
16.000	434.01	434.01	434.00	434.00	434.00
16.250	434.01	434.01	434.01	434.01	434.01
16.500	434.00	434.00	434.00	434.01	434.01
16.750	434.01	434.00	434.00	434.00	434.01
17.000	434.01	434.01	434.00	434.00	434.00
17.250	434.01	434.01	434.01	434.00	434.00
17.500	434.00	434.01	434.01	434.01	434.00
17.750	434.00	434.00	434.00	434.00	434.00
18.000	434.00	434.01	434.01	434.01	434.00
18.250	434.00	434.00	434.00	434.00	434.00
18.500	434.00	434.00	434.00	434.00	434.00
18.750	434.00	434.00	434.00	434.00	434.01
19.000	434.01	434.01	434.00	434.00	434.00
19.250	434.00	434.00	434.00	434.00	434.00
19.500	434.00	434.00	434.00	434.00	434.00
19.750	434.00	434.00	434.00	434.00	434.00
20.000	434.00	434.00	434.00	434.00	434.00
20.250	434.00	434.00	434.00	434.00	434.00
20.500	434.00	434.00	434.00	434.00	434.00
20.750	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
21.000	434.00	434.00	434.00	434.00	434.00
21.250	434.00	434.00	434.00	434.00	434.00
21.500	434.00	434.00	434.00	434.00	434.00
21.750	434.00	434.00	434.00	434.00	434.00
22.000	434.00	434.00	434.00	434.00	434.00
22.250	434.00	434.00	434.00	434.00	434.00
22.500	434.00	434.00	434.00	434.00	434.00
22.750	434.00	434.00	434.00	434.00	434.00
23.000	434.00	434.00	434.00	434.00	434.00
23.250	434.00	434.00	434.00	434.00	434.00
23.500	434.00	434.00	434.00	434.00	434.00
23.750	434.00	434.00	434.00	434.00	434.00
24.000	434.00	434.00	434.00	434.00	434.00
24.250	434.00	434.00	434.00	434.00	434.00
24.500	434.00	434.00	434.00	434.00	434.00
24.750	434.00	434.00	434.00	434.00	434.00
25.000	434.00	434.00	434.00	434.00	434.00
25.250	434.00	434.00	434.00	434.00	434.00
25.500	434.00	434.00	434.00	434.00	434.00
25.750	434.00	434.00	434.00	434.00	434.00
26.000	434.00	434.00	434.00	434.00	434.00
26.250	434.00	434.00	434.00	434.00	434.00
26.500	434.00	434.00	434.00	434.00	434.00
26.750	434.00	434.00	434.00	434.00	434.00
27.000	434.00	434.00	434.00	434.00	434.00
27.250	434.00	434.00	434.00	434.00	434.00
27.500	434.00	434.00	434.00	434.00	434.00
27.750	434.00	434.00	434.00	434.00	434.00
28.000	434.00	434.00	434.00	434.00	434.00
28.250	434.00	434.00	434.00	434.00	434.00
28.500	434.00	434.00	434.00	434.00	434.00
28.750	434.00	434.00	434.00	434.00	434.00
29.000	434.00	434.00	434.00	434.00	434.00
29.250	434.00	434.00	434.00	434.00	434.00
29.500	434.00	434.00	434.00	434.00	434.00
29.750	434.00	434.00	434.00	434.00	434.00
30.000	434.00	434.00	434.00	434.00	434.00
30.250	434.00	434.00	434.00	434.00	434.00
30.500	434.00	434.00	434.00	434.00	434.00
30.750	434.00	434.00	434.00	434.00	434.00
31.000	434.00	434.00	434.00	434.00	434.00
31.250	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
31.500	434.00	434.00	434.00	434.00	434.00
31.750	434.00	434.00	434.00	434.00	434.00
32.000	434.00	434.00	434.00	434.00	434.00
32.250	434.00	434.00	434.00	434.00	434.00
32.500	434.00	434.00	434.00	434.00	434.00
32.750	434.00	434.00	434.00	434.00	434.00
33.000	434.00	434.00	434.00	434.00	434.00
33.250	434.00	434.00	434.00	434.00	434.00
33.500	434.00	434.00	434.00	434.00	434.00
33.750	434.00	434.00	434.00	434.00	434.00
34.000	434.00	434.00	434.00	434.00	434.00
34.250	434.00	434.00	434.00	434.00	434.00
34.500	434.00	434.00	434.00	434.00	434.00
34.750	434.00	434.00	434.00	434.00	434.00
35.000	434.00	434.00	434.00	434.00	434.00
35.250	434.00	434.00	434.00	434.00	434.00
35.500	434.00	434.00	434.00	434.00	434.00
35.750	434.00	434.00	434.00	434.00	434.00
36.000	434.00	434.00	434.00	434.00	434.00
36.250	434.00	434.00	434.00	434.00	434.00
36.500	434.00	434.00	434.00	434.00	434.00
36.750	434.00	434.00	434.00	434.00	434.00
37.000	434.00	434.00	434.00	434.00	434.00
37.250	434.00	434.00	434.00	434.00	434.00
37.500	434.00	434.00	434.00	434.00	434.00
37.750	434.00	434.00	434.00	434.00	434.00
38.000	434.00	434.00	434.00	434.00	434.00
38.250	434.00	434.00	434.00	434.00	434.00
38.500	434.00	434.00	434.00	434.00	434.00
38.750	434.00	434.00	434.00	434.00	434.00
39.000	434.00	434.00	434.00	434.00	434.00
39.250	434.00	434.00	434.00	434.00	434.00
39.500	434.00	434.00	434.00	434.00	434.00
39.750	434.00	434.00	434.00	434.00	434.00
40.000	434.00	434.00	434.00	434.00	434.00
40.250	434.00	434.00	434.00	434.00	434.00
40.500	434.00	434.00	434.00	434.00	434.00
40.750	434.00	434.00	434.00	434.00	434.00
41.000	434.00	434.00	434.00	434.00	434.00
41.250	434.00	434.00	434.00	434.00	434.00
41.500	434.00	434.00	434.00	434.00	434.00
41.750	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
42.000	434.00	434.00	434.00	434.00	434.00
42.250	434.00	434.00	434.00	434.00	434.00
42.500	434.00	434.00	434.00	434.00	434.00
42.750	434.00	434.00	434.00	434.00	434.00
43.000	434.00	434.00	434.00	434.00	434.00
43.250	434.00	434.00	434.00	434.00	434.00
43.500	434.00	434.00	434.00	434.00	434.00
43.750	434.00	434.00	434.00	434.00	434.00
44.000	434.00	434.00	434.00	434.00	434.00
44.250	434.00	434.00	434.00	434.00	434.00
44.500	434.00	434.00	434.00	434.00	434.00
44.750	434.00	434.00	434.00	434.00	434.00
45.000	434.00	434.00	434.00	434.00	434.00
45.250	434.00	434.00	434.00	434.00	434.00
45.500	434.00	434.00	434.00	434.00	434.00
45.750	434.00	434.00	434.00	434.00	434.00
46.000	434.00	434.00	434.00	434.00	434.00
46.250	434.00	434.00	434.00	434.00	434.00
46.500	434.00	434.00	434.00	434.00	434.00
46.750	434.00	434.00	434.00	434.00	434.00
47.000	434.00	434.00	434.00	434.00	434.00
47.250	434.00	434.00	434.00	434.00	434.00
47.500	434.00	434.00	434.00	434.00	434.00
47.750	434.00	434.00	434.00	434.00	434.00
48.000	434.00	434.00	434.00	434.00	434.00
48.250	434.00	434.00	434.00	434.00	434.00
48.500	434.00	434.00	434.00	434.00	434.00
48.750	434.00	434.00	434.00	434.00	434.00
49.000	434.00	434.00	434.00	434.00	434.00
49.250	434.00	434.00	434.00	434.00	434.00
49.500	434.00	434.00	434.00	434.00	434.00
49.750	434.00	434.00	434.00	434.00	434.00
50.000	434.00	434.00	434.00	434.00	434.00
50.250	434.00	434.00	434.00	434.00	434.00
50.500	434.00	434.00	434.00	434.00	434.00
50.750	434.00	434.00	434.00	434.00	434.00
51.000	434.00	434.00	434.00	434.00	434.00
51.250	434.00	434.00	434.00	434.00	434.00
51.500	434.00	434.00	434.00	434.00	434.00
51.750	434.00	434.00	434.00	434.00	434.00
52.000	434.00	434.00	434.00	434.00	434.00
52.250	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
52.500	434.00	434.00	434.00	434.00	434.00
52.750	434.00	434.00	434.00	434.00	434.00
53.000	434.00	434.00	434.00	434.00	434.00
53.250	434.00	434.00	434.00	434.00	434.00
53.500	434.00	434.00	434.00	434.00	434.00
53.750	434.00	434.00	434.00	434.00	434.00
54.000	434.00	434.00	434.00	434.00	434.00
54.250	434.00	434.00	434.00	434.00	434.00
54.500	434.00	434.00	434.00	434.00	434.00
54.750	434.00	434.00	434.00	434.00	434.00
55.000	434.00	434.00	434.00	434.00	434.00
55.250	434.00	434.00	434.00	434.00	434.00
55.500	434.00	434.00	434.00	434.00	434.00
55.750	434.00	434.00	434.00	434.00	434.00
56.000	434.00	434.00	434.00	434.00	434.00
56.250	434.00	434.00	434.00	434.00	434.00
56.500	434.00	434.00	434.00	434.00	434.00
56.750	434.00	434.00	434.00	434.00	434.00
57.000	434.00	434.00	434.00	434.00	434.00
57.250	434.00	434.00	434.00	434.00	434.00
57.500	434.00	434.00	434.00	434.00	434.00
57.750	434.00	434.00	434.00	434.00	434.00
58.000	434.00	434.00	434.00	434.00	434.00
58.250	434.00	434.00	434.00	434.00	434.00
58.500	434.00	434.00	434.00	434.00	434.00
58.750	434.00	434.00	434.00	434.00	434.00
59.000	434.00	434.00	434.00	434.00	434.00
59.250	434.00	434.00	434.00	434.00	434.00
59.500	434.00	434.00	434.00	434.00	434.00
59.750	434.00	434.00	434.00	434.00	434.00
60.000	434.00	434.00	434.00	434.00	434.00
60.250	434.00	434.00	434.00	434.00	434.00
60.500	434.00	434.00	434.00	434.00	434.00
60.750	434.00	434.00	434.00	434.00	434.00
61.000	434.00	434.00	434.00	434.00	434.00
61.250	434.00	434.00	434.00	434.00	434.00
61.500	434.00	434.00	434.00	434.00	434.00
61.750	434.00	434.00	434.00	434.00	434.00
62.000	434.00	434.00	434.00	434.00	434.00
62.250	434.00	434.00	434.00	434.00	434.00
62.500	434.00	434.00	434.00	434.00	434.00
62.750	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
63.000	434.00	434.00	434.00	434.00	434.00
63.250	434.00	434.00	434.00	434.00	434.00
63.500	434.00	434.00	434.00	434.00	434.00
63.750	434.00	434.00	434.00	434.00	434.00
64.000	434.00	434.00	434.00	434.00	434.00
64.250	434.00	434.00	434.00	434.00	434.00
64.500	434.00	434.00	434.00	434.00	434.00
64.750	434.00	434.00	434.00	434.00	434.00
65.000	434.00	434.00	434.00	434.00	434.00
65.250	434.00	434.00	434.00	434.00	434.00
65.500	434.00	434.00	434.00	434.00	434.00
65.750	434.00	434.00	434.00	434.00	434.00
66.000	434.00	434.00	434.00	434.00	434.00
66.250	434.00	434.00	434.00	434.00	434.00
66.500	434.00	434.00	434.00	434.00	434.00
66.750	434.00	434.00	434.00	434.00	434.00
67.000	434.00	434.00	434.00	434.00	434.00
67.250	434.00	434.00	434.00	434.00	434.00
67.500	434.00	434.00	434.00	434.00	434.00
67.750	434.00	434.00	434.00	434.00	434.00
68.000	434.00	434.00	434.00	434.00	434.00
68.250	434.00	434.00	434.00	434.00	434.00
68.500	434.00	434.00	434.00	434.00	434.00
68.750	434.00	434.00	434.00	434.00	434.00
69.000	434.00	434.00	434.00	434.00	434.00
69.250	434.00	434.00	434.00	434.00	434.00
69.500	434.00	434.00	434.00	434.00	434.00
69.750	434.00	434.00	434.00	434.00	434.00
70.000	434.00	434.00	434.00	434.00	434.00
70.250	434.00	434.00	434.00	434.00	434.00
70.500	434.00	434.00	434.00	434.00	434.00
70.750	434.00	434.00	434.00	434.00	434.00
71.000	434.00	434.00	434.00	434.00	434.00
71.250	434.00	434.00	434.00	434.00	434.00
71.500	434.00	434.00	434.00	434.00	434.00
71.750	434.00	434.00	434.00	434.00	434.00
72.000	434.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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	434.00	434.00	434.00	434.00	434.00
0.250	434.00	434.00	434.00	434.00	434.00
0.500	434.00	434.00	434.00	434.00	434.00
0.750	434.00	434.00	434.00	434.00	434.00
1.000	434.00	434.00	434.00	434.00	434.00
1.250	434.00	434.00	434.00	434.00	434.00
1.500	434.00	434.00	434.00	434.00	434.00
1.750	434.00	434.00	434.00	434.00	434.00
2.000	434.00	434.00	434.00	434.00	434.00
2.250	434.00	434.00	434.00	434.00	434.00
2.500	434.00	434.00	434.00	434.00	434.00
2.750	434.00	434.00	434.00	434.00	434.00
3.000	434.00	434.00	434.00	434.00	434.00
3.250	434.00	434.00	434.00	434.00	434.00
3.500	434.00	434.00	434.00	434.00	434.00
3.750	434.00	434.00	434.00	434.00	434.00
4.000	434.00	434.00	434.00	434.00	434.00
4.250	434.00	434.00	434.00	434.00	434.00
4.500	434.00	434.00	434.00	434.00	434.00
4.750	434.00	434.00	434.00	434.00	434.00
5.000	434.00	434.00	434.00	434.00	434.00
5.250	434.00	434.00	434.00	434.00	434.00
5.500	434.00	434.00	434.00	434.00	434.00
5.750	434.00	434.00	434.00	434.00	434.00
6.000	434.00	434.00	434.00	434.00	434.00
6.250	434.00	434.00	434.00	434.00	434.00
6.500	434.00	434.00	434.00	434.00	434.00
6.750	434.00	434.00	434.00	434.00	434.00
7.000	434.00	434.00	434.00	434.00	434.00
7.250	434.00	434.00	434.00	434.00	434.00
7.500	434.00	434.00	434.00	434.00	434.00
7.750	434.00	434.00	434.00	434.00	434.00
8.000	434.00	434.00	434.00	434.00	434.00
8.250	434.00	434.00	434.00	434.00	434.01
8.500	434.01	434.01	434.01	434.01	434.01
8.750	434.00	434.01	434.01	434.01	434.01
9.000	434.01	434.01	434.01	434.01	434.01
9.250	434.01	434.01	434.01	434.01	434.01
9.500	434.01	434.01	434.01	434.01	434.01
9.750	434.01	434.01	434.01	434.01	434.01
10.000	434.01	434.01	434.01	434.01	434.01
10.250	434.01	434.01	434.01	434.01	434.01

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
10.500	434.01	434.01	434.02	434.02	434.02
10.750	434.02	434.02	434.02	434.02	434.02
11.000	434.02	434.02	434.02	434.02	434.02
11.250	434.03	434.03	434.03	434.03	434.03
11.500	434.03	434.04	434.05	434.06	434.08
11.750	434.10	434.14	434.17	434.22	434.32
12.000	434.51	434.74	434.89	434.99	435.06
12.250	435.11	435.15	435.18	435.20	435.23
12.500	435.25	435.26	435.26	435.26	435.25
12.750	435.24	435.23	435.22	435.21	435.19
13.000	435.18	435.16	435.15	435.14	435.12
13.250	435.11	435.09	435.07	435.05	435.03
13.500	435.01	434.99	434.98	434.96	434.94
13.750	434.92	434.90	434.88	434.86	434.84
14.000	434.82	434.80	434.77	434.75	434.73
14.250	434.70	434.68	434.66	434.64	434.62
14.500	434.60	434.57	434.55	434.53	434.50
14.750	434.48	434.46	434.43	434.41	434.39
15.000	434.36	434.34	434.32	434.29	434.27
15.250	434.25	434.22	434.19	434.17	434.15
15.500	434.12	434.10	434.07	434.05	434.03
15.750	434.02	434.02	434.02	434.01	434.01
16.000	434.01	434.01	434.01	434.01	434.01
16.250	434.01	434.01	434.01	434.01	434.01
16.500	434.01	434.01	434.01	434.01	434.01
16.750	434.01	434.01	434.01	434.01	434.01
17.000	434.01	434.01	434.01	434.01	434.01
17.250	434.01	434.01	434.01	434.01	434.01
17.500	434.01	434.01	434.01	434.01	434.01
17.750	434.01	434.01	434.01	434.01	434.01
18.000	434.01	434.01	434.01	434.01	434.01
18.250	434.01	434.01	434.01	434.01	434.01
18.500	434.01	434.01	434.01	434.01	434.01
18.750	434.01	434.01	434.01	434.01	434.01
19.000	434.01	434.01	434.01	434.01	434.01
19.250	434.01	434.01	434.01	434.01	434.01
19.500	434.01	434.01	434.01	434.01	434.01
19.750	434.01	434.01	434.01	434.01	434.01
20.000	434.01	434.01	434.01	434.01	434.01
20.250	434.01	434.01	434.01	434.01	434.01
20.500	434.01	434.01	434.01	434.01	434.01
20.750	434.01	434.01	434.00	434.00	434.01

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
21.000	434.01	434.01	434.01	434.01	434.01
21.250	434.01	434.01	434.01	434.01	434.01
21.500	434.01	434.00	434.00	434.01	434.01
21.750	434.01	434.01	434.01	434.01	434.01
22.000	434.01	434.01	434.01	434.00	434.00
22.250	434.01	434.01	434.01	434.01	434.01
22.500	434.01	434.01	434.01	434.00	434.00
22.750	434.01	434.01	434.01	434.01	434.01
23.000	434.01	434.01	434.01	434.00	434.00
23.250	434.01	434.01	434.01	434.01	434.01
23.500	434.01	434.00	434.00	434.01	434.01
23.750	434.01	434.01	434.01	434.01	434.00
24.000	434.00	434.01	434.00	434.00	434.00
24.250	434.00	434.00	434.00	434.00	434.00
24.500	434.00	434.00	434.00	434.00	434.00
24.750	434.00	434.00	434.00	434.00	434.00
25.000	434.00	434.00	434.00	434.00	434.00
25.250	434.00	434.00	434.00	434.00	434.00
25.500	434.00	434.00	434.00	434.00	434.00
25.750	434.00	434.00	434.00	434.00	434.00
26.000	434.00	434.00	434.00	434.00	434.00
26.250	434.00	434.00	434.00	434.00	434.00
26.500	434.00	434.00	434.00	434.00	434.00
26.750	434.00	434.00	434.00	434.00	434.00
27.000	434.00	434.00	434.00	434.00	434.00
27.250	434.00	434.00	434.00	434.00	434.00
27.500	434.00	434.00	434.00	434.00	434.00
27.750	434.00	434.00	434.00	434.00	434.00
28.000	434.00	434.00	434.00	434.00	434.00
28.250	434.00	434.00	434.00	434.00	434.00
28.500	434.00	434.00	434.00	434.00	434.00
28.750	434.00	434.00	434.00	434.00	434.00
29.000	434.00	434.00	434.00	434.00	434.00
29.250	434.00	434.00	434.00	434.00	434.00
29.500	434.00	434.00	434.00	434.00	434.00
29.750	434.00	434.00	434.00	434.00	434.00
30.000	434.00	434.00	434.00	434.00	434.00
30.250	434.00	434.00	434.00	434.00	434.00
30.500	434.00	434.00	434.00	434.00	434.00
30.750	434.00	434.00	434.00	434.00	434.00
31.000	434.00	434.00	434.00	434.00	434.00
31.250	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
31.500	434.00	434.00	434.00	434.00	434.00
31.750	434.00	434.00	434.00	434.00	434.00
32.000	434.00	434.00	434.00	434.00	434.00
32.250	434.00	434.00	434.00	434.00	434.00
32.500	434.00	434.00	434.00	434.00	434.00
32.750	434.00	434.00	434.00	434.00	434.00
33.000	434.00	434.00	434.00	434.00	434.00
33.250	434.00	434.00	434.00	434.00	434.00
33.500	434.00	434.00	434.00	434.00	434.00
33.750	434.00	434.00	434.00	434.00	434.00
34.000	434.00	434.00	434.00	434.00	434.00
34.250	434.00	434.00	434.00	434.00	434.00
34.500	434.00	434.00	434.00	434.00	434.00
34.750	434.00	434.00	434.00	434.00	434.00
35.000	434.00	434.00	434.00	434.00	434.00
35.250	434.00	434.00	434.00	434.00	434.00
35.500	434.00	434.00	434.00	434.00	434.00
35.750	434.00	434.00	434.00	434.00	434.00
36.000	434.00	434.00	434.00	434.00	434.00
36.250	434.00	434.00	434.00	434.00	434.00
36.500	434.00	434.00	434.00	434.00	434.00
36.750	434.00	434.00	434.00	434.00	434.00
37.000	434.00	434.00	434.00	434.00	434.00
37.250	434.00	434.00	434.00	434.00	434.00
37.500	434.00	434.00	434.00	434.00	434.00
37.750	434.00	434.00	434.00	434.00	434.00
38.000	434.00	434.00	434.00	434.00	434.00
38.250	434.00	434.00	434.00	434.00	434.00
38.500	434.00	434.00	434.00	434.00	434.00
38.750	434.00	434.00	434.00	434.00	434.00
39.000	434.00	434.00	434.00	434.00	434.00
39.250	434.00	434.00	434.00	434.00	434.00
39.500	434.00	434.00	434.00	434.00	434.00
39.750	434.00	434.00	434.00	434.00	434.00
40.000	434.00	434.00	434.00	434.00	434.00
40.250	434.00	434.00	434.00	434.00	434.00
40.500	434.00	434.00	434.00	434.00	434.00
40.750	434.00	434.00	434.00	434.00	434.00
41.000	434.00	434.00	434.00	434.00	434.00
41.250	434.00	434.00	434.00	434.00	434.00
41.500	434.00	434.00	434.00	434.00	434.00
41.750	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
42.000	434.00	434.00	434.00	434.00	434.00
42.250	434.00	434.00	434.00	434.00	434.00
42.500	434.00	434.00	434.00	434.00	434.00
42.750	434.00	434.00	434.00	434.00	434.00
43.000	434.00	434.00	434.00	434.00	434.00
43.250	434.00	434.00	434.00	434.00	434.00
43.500	434.00	434.00	434.00	434.00	434.00
43.750	434.00	434.00	434.00	434.00	434.00
44.000	434.00	434.00	434.00	434.00	434.00
44.250	434.00	434.00	434.00	434.00	434.00
44.500	434.00	434.00	434.00	434.00	434.00
44.750	434.00	434.00	434.00	434.00	434.00
45.000	434.00	434.00	434.00	434.00	434.00
45.250	434.00	434.00	434.00	434.00	434.00
45.500	434.00	434.00	434.00	434.00	434.00
45.750	434.00	434.00	434.00	434.00	434.00
46.000	434.00	434.00	434.00	434.00	434.00
46.250	434.00	434.00	434.00	434.00	434.00
46.500	434.00	434.00	434.00	434.00	434.00
46.750	434.00	434.00	434.00	434.00	434.00
47.000	434.00	434.00	434.00	434.00	434.00
47.250	434.00	434.00	434.00	434.00	434.00
47.500	434.00	434.00	434.00	434.00	434.00
47.750	434.00	434.00	434.00	434.00	434.00
48.000	434.00	434.00	434.00	434.00	434.00
48.250	434.00	434.00	434.00	434.00	434.00
48.500	434.00	434.00	434.00	434.00	434.00
48.750	434.00	434.00	434.00	434.00	434.00
49.000	434.00	434.00	434.00	434.00	434.00
49.250	434.00	434.00	434.00	434.00	434.00
49.500	434.00	434.00	434.00	434.00	434.00
49.750	434.00	434.00	434.00	434.00	434.00
50.000	434.00	434.00	434.00	434.00	434.00
50.250	434.00	434.00	434.00	434.00	434.00
50.500	434.00	434.00	434.00	434.00	434.00
50.750	434.00	434.00	434.00	434.00	434.00
51.000	434.00	434.00	434.00	434.00	434.00
51.250	434.00	434.00	434.00	434.00	434.00
51.500	434.00	434.00	434.00	434.00	434.00
51.750	434.00	434.00	434.00	434.00	434.00
52.000	434.00	434.00	434.00	434.00	434.00
52.250	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
52.500	434.00	434.00	434.00	434.00	434.00
52.750	434.00	434.00	434.00	434.00	434.00
53.000	434.00	434.00	434.00	434.00	434.00
53.250	434.00	434.00	434.00	434.00	434.00
53.500	434.00	434.00	434.00	434.00	434.00
53.750	434.00	434.00	434.00	434.00	434.00
54.000	434.00	434.00	434.00	434.00	434.00
54.250	434.00	434.00	434.00	434.00	434.00
54.500	434.00	434.00	434.00	434.00	434.00
54.750	434.00	434.00	434.00	434.00	434.00
55.000	434.00	434.00	434.00	434.00	434.00
55.250	434.00	434.00	434.00	434.00	434.00
55.500	434.00	434.00	434.00	434.00	434.00
55.750	434.00	434.00	434.00	434.00	434.00
56.000	434.00	434.00	434.00	434.00	434.00
56.250	434.00	434.00	434.00	434.00	434.00
56.500	434.00	434.00	434.00	434.00	434.00
56.750	434.00	434.00	434.00	434.00	434.00
57.000	434.00	434.00	434.00	434.00	434.00
57.250	434.00	434.00	434.00	434.00	434.00
57.500	434.00	434.00	434.00	434.00	434.00
57.750	434.00	434.00	434.00	434.00	434.00
58.000	434.00	434.00	434.00	434.00	434.00
58.250	434.00	434.00	434.00	434.00	434.00
58.500	434.00	434.00	434.00	434.00	434.00
58.750	434.00	434.00	434.00	434.00	434.00
59.000	434.00	434.00	434.00	434.00	434.00
59.250	434.00	434.00	434.00	434.00	434.00
59.500	434.00	434.00	434.00	434.00	434.00
59.750	434.00	434.00	434.00	434.00	434.00
60.000	434.00	434.00	434.00	434.00	434.00
60.250	434.00	434.00	434.00	434.00	434.00
60.500	434.00	434.00	434.00	434.00	434.00
60.750	434.00	434.00	434.00	434.00	434.00
61.000	434.00	434.00	434.00	434.00	434.00
61.250	434.00	434.00	434.00	434.00	434.00
61.500	434.00	434.00	434.00	434.00	434.00
61.750	434.00	434.00	434.00	434.00	434.00
62.000	434.00	434.00	434.00	434.00	434.00
62.250	434.00	434.00	434.00	434.00	434.00
62.500	434.00	434.00	434.00	434.00	434.00
62.750	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
63.000	434.00	434.00	434.00	434.00	434.00
63.250	434.00	434.00	434.00	434.00	434.00
63.500	434.00	434.00	434.00	434.00	434.00
63.750	434.00	434.00	434.00	434.00	434.00
64.000	434.00	434.00	434.00	434.00	434.00
64.250	434.00	434.00	434.00	434.00	434.00
64.500	434.00	434.00	434.00	434.00	434.00
64.750	434.00	434.00	434.00	434.00	434.00
65.000	434.00	434.00	434.00	434.00	434.00
65.250	434.00	434.00	434.00	434.00	434.00
65.500	434.00	434.00	434.00	434.00	434.00
65.750	434.00	434.00	434.00	434.00	434.00
66.000	434.00	434.00	434.00	434.00	434.00
66.250	434.00	434.00	434.00	434.00	434.00
66.500	434.00	434.00	434.00	434.00	434.00
66.750	434.00	434.00	434.00	434.00	434.00
67.000	434.00	434.00	434.00	434.00	434.00
67.250	434.00	434.00	434.00	434.00	434.00
67.500	434.00	434.00	434.00	434.00	434.00
67.750	434.00	434.00	434.00	434.00	434.00
68.000	434.00	434.00	434.00	434.00	434.00
68.250	434.00	434.00	434.00	434.00	434.00
68.500	434.00	434.00	434.00	434.00	434.00
68.750	434.00	434.00	434.00	434.00	434.00
69.000	434.00	434.00	434.00	434.00	434.00
69.250	434.00	434.00	434.00	434.00	434.00
69.500	434.00	434.00	434.00	434.00	434.00
69.750	434.00	434.00	434.00	434.00	434.00
70.000	434.00	434.00	434.00	434.00	434.00
70.250	434.00	434.00	434.00	434.00	434.00
70.500	434.00	434.00	434.00	434.00	434.00
70.750	434.00	434.00	434.00	434.00	434.00
71.000	434.00	434.00	434.00	434.00	434.00
71.250	434.00	434.00	434.00	434.00	434.00
71.500	434.00	434.00	434.00	434.00	434.00
71.750	434.00	434.00	434.00	434.00	434.00
72.000	434.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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	434.00	434.00	434.00	434.00	434.00
0.250	434.00	434.00	434.00	434.00	434.00
0.500	434.00	434.00	434.00	434.00	434.00
0.750	434.00	434.00	434.00	434.00	434.00
1.000	434.00	434.00	434.00	434.00	434.00
1.250	434.00	434.00	434.00	434.00	434.00
1.500	434.00	434.00	434.00	434.00	434.00
1.750	434.00	434.00	434.00	434.00	434.00
2.000	434.00	434.00	434.00	434.00	434.00
2.250	434.00	434.00	434.00	434.00	434.00
2.500	434.00	434.00	434.00	434.00	434.00
2.750	434.00	434.00	434.00	434.00	434.00
3.000	434.00	434.00	434.00	434.00	434.00
3.250	434.00	434.00	434.00	434.00	434.00
3.500	434.00	434.00	434.00	434.00	434.00
3.750	434.00	434.00	434.00	434.00	434.00
4.000	434.00	434.00	434.00	434.00	434.00
4.250	434.00	434.00	434.00	434.00	434.01
4.500	434.01	434.01	434.01	434.01	434.01
4.750	434.01	434.01	434.01	434.01	434.01
5.000	434.01	434.01	434.01	434.01	434.01
5.250	434.01	434.01	434.01	434.01	434.01
5.500	434.01	434.01	434.01	434.01	434.01
5.750	434.01	434.01	434.01	434.01	434.01
6.000	434.01	434.01	434.01	434.01	434.01
6.250	434.01	434.01	434.01	434.01	434.01
6.500	434.01	434.01	434.01	434.01	434.01
6.750	434.01	434.01	434.01	434.01	434.01
7.000	434.01	434.01	434.01	434.01	434.01
7.250	434.01	434.01	434.01	434.02	434.02
7.500	434.02	434.02	434.02	434.02	434.02
7.750	434.02	434.02	434.02	434.02	434.02
8.000	434.02	434.02	434.02	434.02	434.02
8.250	434.02	434.02	434.02	434.02	434.02
8.500	434.02	434.02	434.02	434.02	434.02
8.750	434.02	434.02	434.02	434.03	434.03
9.000	434.02	434.02	434.02	434.02	434.03
9.250	434.03	434.03	434.03	434.03	434.03
9.500	434.03	434.03	434.03	434.03	434.03
9.750	434.03	434.03	434.03	434.03	434.04
10.000	434.04	434.04	434.04	434.04	434.04
10.250	434.04	434.04	434.04	434.04	434.04

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
10.500	434.04	434.04	434.04	434.05	434.05
10.750	434.05	434.05	434.06	434.06	434.06
11.000	434.07	434.08	434.09	434.10	434.11
11.250	434.12	434.14	434.15	434.18	434.20
11.500	434.23	434.27	434.34	434.42	434.51
11.750	434.61	434.72	434.85	435.00	435.23
12.000	435.61	436.02	436.32	436.52	436.64
12.250	436.71	436.75	436.77	436.79	436.79
12.500	436.79	436.77	436.75	436.72	436.68
12.750	436.65	436.63	436.60	436.58	436.57
13.000	436.55	436.53	436.51	436.50	436.49
13.250	436.47	436.46	436.45	436.44	436.43
13.500	436.42	436.41	436.40	436.39	436.38
13.750	436.38	436.37	436.36	436.34	436.33
14.000	436.32	436.31	436.30	436.29	436.28
14.250	436.27	436.26	436.25	436.23	436.22
14.500	436.21	436.19	436.18	436.16	436.15
14.750	436.14	436.12	436.11	436.09	436.08
15.000	436.06	436.05	436.03	436.01	436.00
15.250	435.98	435.97	435.95	435.93	435.92
15.500	435.90	435.88	435.87	435.85	435.83
15.750	435.81	435.79	435.77	435.76	435.74
16.000	435.73	435.71	435.69	435.67	435.65
16.250	435.63	435.61	435.59	435.58	435.56
16.500	435.54	435.52	435.50	435.48	435.46
16.750	435.44	435.42	435.40	435.38	435.36
17.000	435.34	435.33	435.30	435.28	435.26
17.250	435.24	435.22	435.20	435.18	435.16
17.500	435.14	435.13	435.10	435.08	435.06
17.750	435.04	435.02	435.00	434.98	434.96
18.000	434.94	434.92	434.90	434.87	434.85
18.250	434.83	434.81	434.79	434.77	434.75
18.500	434.73	434.70	434.69	434.67	434.65
18.750	434.63	434.60	434.58	434.56	434.54
19.000	434.51	434.49	434.47	434.45	434.43
19.250	434.41	434.39	434.37	434.35	434.33
19.500	434.30	434.28	434.26	434.24	434.22
19.750	434.19	434.17	434.15	434.13	434.11
20.000	434.09	434.06	434.04	434.03	434.02
20.250	434.02	434.02	434.02	434.02	434.02
20.500	434.02	434.01	434.01	434.02	434.02
20.750	434.02	434.02	434.02	434.02	434.02

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
21.000	434.02	434.02	434.02	434.01	434.01
21.250	434.02	434.02	434.02	434.02	434.02
21.500	434.02	434.02	434.02	434.01	434.01
21.750	434.02	434.02	434.02	434.02	434.01
22.000	434.01	434.02	434.02	434.02	434.02
22.250	434.02	434.02	434.01	434.01	434.02
22.500	434.02	434.02	434.02	434.01	434.01
22.750	434.02	434.01	434.01	434.01	434.02
23.000	434.02	434.02	434.02	434.01	434.01
23.250	434.02	434.01	434.01	434.01	434.02
23.500	434.01	434.01	434.01	434.02	434.01
23.750	434.01	434.01	434.02	434.01	434.01
24.000	434.01	434.01	434.01	434.01	434.00
24.250	434.00	434.00	434.00	434.00	434.00
24.500	434.00	434.00	434.00	434.00	434.00
24.750	434.00	434.00	434.00	434.00	434.00
25.000	434.00	434.00	434.00	434.00	434.00
25.250	434.00	434.00	434.00	434.00	434.00
25.500	434.00	434.00	434.00	434.00	434.00
25.750	434.00	434.00	434.00	434.00	434.00
26.000	434.00	434.00	434.00	434.00	434.00
26.250	434.00	434.00	434.00	434.00	434.00
26.500	434.00	434.00	434.00	434.00	434.00
26.750	434.00	434.00	434.00	434.00	434.00
27.000	434.00	434.00	434.00	434.00	434.00
27.250	434.00	434.00	434.00	434.00	434.00
27.500	434.00	434.00	434.00	434.00	434.00
27.750	434.00	434.00	434.00	434.00	434.00
28.000	434.00	434.00	434.00	434.00	434.00
28.250	434.00	434.00	434.00	434.00	434.00
28.500	434.00	434.00	434.00	434.00	434.00
28.750	434.00	434.00	434.00	434.00	434.00
29.000	434.00	434.00	434.00	434.00	434.00
29.250	434.00	434.00	434.00	434.00	434.00
29.500	434.00	434.00	434.00	434.00	434.00
29.750	434.00	434.00	434.00	434.00	434.00
30.000	434.00	434.00	434.00	434.00	434.00
30.250	434.00	434.00	434.00	434.00	434.00
30.500	434.00	434.00	434.00	434.00	434.00
30.750	434.00	434.00	434.00	434.00	434.00
31.000	434.00	434.00	434.00	434.00	434.00
31.250	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
31.500	434.00	434.00	434.00	434.00	434.00
31.750	434.00	434.00	434.00	434.00	434.00
32.000	434.00	434.00	434.00	434.00	434.00
32.250	434.00	434.00	434.00	434.00	434.00
32.500	434.00	434.00	434.00	434.00	434.00
32.750	434.00	434.00	434.00	434.00	434.00
33.000	434.00	434.00	434.00	434.00	434.00
33.250	434.00	434.00	434.00	434.00	434.00
33.500	434.00	434.00	434.00	434.00	434.00
33.750	434.00	434.00	434.00	434.00	434.00
34.000	434.00	434.00	434.00	434.00	434.00
34.250	434.00	434.00	434.00	434.00	434.00
34.500	434.00	434.00	434.00	434.00	434.00
34.750	434.00	434.00	434.00	434.00	434.00
35.000	434.00	434.00	434.00	434.00	434.00
35.250	434.00	434.00	434.00	434.00	434.00
35.500	434.00	434.00	434.00	434.00	434.00
35.750	434.00	434.00	434.00	434.00	434.00
36.000	434.00	434.00	434.00	434.00	434.00
36.250	434.00	434.00	434.00	434.00	434.00
36.500	434.00	434.00	434.00	434.00	434.00
36.750	434.00	434.00	434.00	434.00	434.00
37.000	434.00	434.00	434.00	434.00	434.00
37.250	434.00	434.00	434.00	434.00	434.00
37.500	434.00	434.00	434.00	434.00	434.00
37.750	434.00	434.00	434.00	434.00	434.00
38.000	434.00	434.00	434.00	434.00	434.00
38.250	434.00	434.00	434.00	434.00	434.00
38.500	434.00	434.00	434.00	434.00	434.00
38.750	434.00	434.00	434.00	434.00	434.00
39.000	434.00	434.00	434.00	434.00	434.00
39.250	434.00	434.00	434.00	434.00	434.00
39.500	434.00	434.00	434.00	434.00	434.00
39.750	434.00	434.00	434.00	434.00	434.00
40.000	434.00	434.00	434.00	434.00	434.00
40.250	434.00	434.00	434.00	434.00	434.00
40.500	434.00	434.00	434.00	434.00	434.00
40.750	434.00	434.00	434.00	434.00	434.00
41.000	434.00	434.00	434.00	434.00	434.00
41.250	434.00	434.00	434.00	434.00	434.00
41.500	434.00	434.00	434.00	434.00	434.00
41.750	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
42.000	434.00	434.00	434.00	434.00	434.00
42.250	434.00	434.00	434.00	434.00	434.00
42.500	434.00	434.00	434.00	434.00	434.00
42.750	434.00	434.00	434.00	434.00	434.00
43.000	434.00	434.00	434.00	434.00	434.00
43.250	434.00	434.00	434.00	434.00	434.00
43.500	434.00	434.00	434.00	434.00	434.00
43.750	434.00	434.00	434.00	434.00	434.00
44.000	434.00	434.00	434.00	434.00	434.00
44.250	434.00	434.00	434.00	434.00	434.00
44.500	434.00	434.00	434.00	434.00	434.00
44.750	434.00	434.00	434.00	434.00	434.00
45.000	434.00	434.00	434.00	434.00	434.00
45.250	434.00	434.00	434.00	434.00	434.00
45.500	434.00	434.00	434.00	434.00	434.00
45.750	434.00	434.00	434.00	434.00	434.00
46.000	434.00	434.00	434.00	434.00	434.00
46.250	434.00	434.00	434.00	434.00	434.00
46.500	434.00	434.00	434.00	434.00	434.00
46.750	434.00	434.00	434.00	434.00	434.00
47.000	434.00	434.00	434.00	434.00	434.00
47.250	434.00	434.00	434.00	434.00	434.00
47.500	434.00	434.00	434.00	434.00	434.00
47.750	434.00	434.00	434.00	434.00	434.00
48.000	434.00	434.00	434.00	434.00	434.00
48.250	434.00	434.00	434.00	434.00	434.00
48.500	434.00	434.00	434.00	434.00	434.00
48.750	434.00	434.00	434.00	434.00	434.00
49.000	434.00	434.00	434.00	434.00	434.00
49.250	434.00	434.00	434.00	434.00	434.00
49.500	434.00	434.00	434.00	434.00	434.00
49.750	434.00	434.00	434.00	434.00	434.00
50.000	434.00	434.00	434.00	434.00	434.00
50.250	434.00	434.00	434.00	434.00	434.00
50.500	434.00	434.00	434.00	434.00	434.00
50.750	434.00	434.00	434.00	434.00	434.00
51.000	434.00	434.00	434.00	434.00	434.00
51.250	434.00	434.00	434.00	434.00	434.00
51.500	434.00	434.00	434.00	434.00	434.00
51.750	434.00	434.00	434.00	434.00	434.00
52.000	434.00	434.00	434.00	434.00	434.00
52.250	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
52.500	434.00	434.00	434.00	434.00	434.00
52.750	434.00	434.00	434.00	434.00	434.00
53.000	434.00	434.00	434.00	434.00	434.00
53.250	434.00	434.00	434.00	434.00	434.00
53.500	434.00	434.00	434.00	434.00	434.00
53.750	434.00	434.00	434.00	434.00	434.00
54.000	434.00	434.00	434.00	434.00	434.00
54.250	434.00	434.00	434.00	434.00	434.00
54.500	434.00	434.00	434.00	434.00	434.00
54.750	434.00	434.00	434.00	434.00	434.00
55.000	434.00	434.00	434.00	434.00	434.00
55.250	434.00	434.00	434.00	434.00	434.00
55.500	434.00	434.00	434.00	434.00	434.00
55.750	434.00	434.00	434.00	434.00	434.00
56.000	434.00	434.00	434.00	434.00	434.00
56.250	434.00	434.00	434.00	434.00	434.00
56.500	434.00	434.00	434.00	434.00	434.00
56.750	434.00	434.00	434.00	434.00	434.00
57.000	434.00	434.00	434.00	434.00	434.00
57.250	434.00	434.00	434.00	434.00	434.00
57.500	434.00	434.00	434.00	434.00	434.00
57.750	434.00	434.00	434.00	434.00	434.00
58.000	434.00	434.00	434.00	434.00	434.00
58.250	434.00	434.00	434.00	434.00	434.00
58.500	434.00	434.00	434.00	434.00	434.00
58.750	434.00	434.00	434.00	434.00	434.00
59.000	434.00	434.00	434.00	434.00	434.00
59.250	434.00	434.00	434.00	434.00	434.00
59.500	434.00	434.00	434.00	434.00	434.00
59.750	434.00	434.00	434.00	434.00	434.00
60.000	434.00	434.00	434.00	434.00	434.00
60.250	434.00	434.00	434.00	434.00	434.00
60.500	434.00	434.00	434.00	434.00	434.00
60.750	434.00	434.00	434.00	434.00	434.00
61.000	434.00	434.00	434.00	434.00	434.00
61.250	434.00	434.00	434.00	434.00	434.00
61.500	434.00	434.00	434.00	434.00	434.00
61.750	434.00	434.00	434.00	434.00	434.00
62.000	434.00	434.00	434.00	434.00	434.00
62.250	434.00	434.00	434.00	434.00	434.00
62.500	434.00	434.00	434.00	434.00	434.00
62.750	434.00	434.00	434.00	434.00	434.00

Subsection: Time vs. Elevation
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
63.000	434.00	434.00	434.00	434.00	434.00
63.250	434.00	434.00	434.00	434.00	434.00
63.500	434.00	434.00	434.00	434.00	434.00
63.750	434.00	434.00	434.00	434.00	434.00
64.000	434.00	434.00	434.00	434.00	434.00
64.250	434.00	434.00	434.00	434.00	434.00
64.500	434.00	434.00	434.00	434.00	434.00
64.750	434.00	434.00	434.00	434.00	434.00
65.000	434.00	434.00	434.00	434.00	434.00
65.250	434.00	434.00	434.00	434.00	434.00
65.500	434.00	434.00	434.00	434.00	434.00
65.750	434.00	434.00	434.00	434.00	434.00
66.000	434.00	434.00	434.00	434.00	434.00
66.250	434.00	434.00	434.00	434.00	434.00
66.500	434.00	434.00	434.00	434.00	434.00
66.750	434.00	434.00	434.00	434.00	434.00
67.000	434.00	434.00	434.00	434.00	434.00
67.250	434.00	434.00	434.00	434.00	434.00
67.500	434.00	434.00	434.00	434.00	434.00
67.750	434.00	434.00	434.00	434.00	434.00
68.000	434.00	434.00	434.00	434.00	434.00
68.250	434.00	434.00	434.00	434.00	434.00
68.500	434.00	434.00	434.00	434.00	434.00
68.750	434.00	434.00	434.00	434.00	434.00
69.000	434.00	434.00	434.00	434.00	434.00
69.250	434.00	434.00	434.00	434.00	434.00
69.500	434.00	434.00	434.00	434.00	434.00
69.750	434.00	434.00	434.00	434.00	434.00
70.000	434.00	434.00	434.00	434.00	434.00
70.250	434.00	434.00	434.00	434.00	434.00
70.500	434.00	434.00	434.00	434.00	434.00
70.750	434.00	434.00	434.00	434.00	434.00
71.000	434.00	434.00	434.00	434.00	434.00
71.250	434.00	434.00	434.00	434.00	434.00
71.500	434.00	434.00	434.00	434.00	434.00
71.750	434.00	434.00	434.00	434.00	434.00
72.000	434.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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	428.00	428.00	428.00	428.00	428.00
0.250	428.00	428.00	428.00	428.00	428.00
0.500	428.00	428.00	428.00	428.00	428.00
0.750	428.00	428.00	428.00	428.00	428.00
1.000	428.00	428.00	428.00	428.00	428.00
1.250	428.00	428.00	428.00	428.00	428.00
1.500	428.00	428.00	428.00	428.00	428.00
1.750	428.00	428.00	428.00	428.00	428.00
2.000	428.00	428.00	428.00	428.00	428.00
2.250	428.00	428.00	428.00	428.00	428.00
2.500	428.00	428.00	428.00	428.00	428.00
2.750	428.00	428.00	428.00	428.00	428.00
3.000	428.00	428.00	428.00	428.00	428.00
3.250	428.00	428.00	428.00	428.00	428.00
3.500	428.00	428.00	428.00	428.00	428.00
3.750	428.00	428.00	428.00	428.00	428.00
4.000	428.00	428.00	428.00	428.00	428.00
4.250	428.00	428.00	428.00	428.00	428.00
4.500	428.00	428.00	428.00	428.00	428.00
4.750	428.00	428.00	428.00	428.00	428.00
5.000	428.00	428.00	428.00	428.00	428.00
5.250	428.00	428.00	428.00	428.00	428.00
5.500	428.00	428.00	428.00	428.00	428.00
5.750	428.00	428.00	428.00	428.00	428.00
6.000	428.00	428.00	428.00	428.00	428.00
6.250	428.00	428.00	428.00	428.00	428.00
6.500	428.00	428.00	428.00	428.00	428.00
6.750	428.00	428.00	428.00	428.00	428.00
7.000	428.00	428.00	428.00	428.00	428.00
7.250	428.00	428.00	428.00	428.00	428.00
7.500	428.00	428.00	428.00	428.00	428.00
7.750	428.00	428.00	428.00	428.00	428.00
8.000	428.00	428.00	428.00	428.00	428.00
8.250	428.00	428.00	428.00	428.00	428.00
8.500	428.00	428.00	428.00	428.00	428.00
8.750	428.00	428.00	428.00	428.00	428.00
9.000	428.00	428.00	428.00	428.00	428.00
9.250	428.00	428.00	428.00	428.00	428.00
9.500	428.00	428.00	428.00	428.00	428.00
9.750	428.00	428.00	428.00	428.00	428.00
10.000	428.00	428.00	428.00	428.00	428.00
10.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
10.500	428.00	428.00	428.00	428.00	428.00
10.750	428.00	428.00	428.00	428.00	428.00
11.000	428.00	428.00	428.00	428.00	428.00
11.250	428.00	428.00	428.00	428.00	428.00
11.500	428.00	428.00	428.00	428.00	428.00
11.750	428.00	428.00	428.00	428.01	428.01
12.000	428.02	428.03	428.03	428.03	428.03
12.250	428.02	428.02	428.02	428.01	428.01
12.500	428.01	428.01	428.01	428.01	428.01
12.750	428.01	428.01	428.01	428.00	428.00
13.000	428.00	428.00	428.00	428.00	428.00
13.250	428.00	428.00	428.00	428.00	428.00
13.500	428.00	428.00	428.00	428.00	428.00
13.750	428.00	428.00	428.00	428.00	428.00
14.000	428.00	428.00	428.00	428.00	428.00
14.250	428.00	428.00	428.00	428.00	428.00
14.500	428.00	428.00	428.00	428.00	428.00
14.750	428.00	428.00	428.00	428.00	428.00
15.000	428.00	428.00	428.00	428.00	428.00
15.250	428.00	428.00	428.00	428.00	428.00
15.500	428.00	428.00	428.00	428.00	428.00
15.750	428.00	428.00	428.00	428.00	428.00
16.000	428.00	428.00	428.00	428.00	428.00
16.250	428.00	428.00	428.00	428.00	428.00
16.500	428.00	428.00	428.00	428.00	428.00
16.750	428.00	428.00	428.00	428.00	428.00
17.000	428.00	428.00	428.00	428.00	428.00
17.250	428.00	428.00	428.00	428.00	428.00
17.500	428.00	428.00	428.00	428.00	428.00
17.750	428.00	428.00	428.00	428.00	428.00
18.000	428.00	428.00	428.00	428.00	428.00
18.250	428.00	428.00	428.00	428.00	428.00
18.500	428.00	428.00	428.00	428.00	428.00
18.750	428.00	428.00	428.00	428.00	428.00
19.000	428.00	428.00	428.00	428.00	428.00
19.250	428.00	428.00	428.00	428.00	428.00
19.500	428.00	428.00	428.00	428.00	428.00
19.750	428.00	428.00	428.00	428.00	428.00
20.000	428.00	428.00	428.00	428.00	428.00
20.250	428.00	428.00	428.00	428.00	428.00
20.500	428.00	428.00	428.00	428.00	428.00
20.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
21.000	428.00	428.00	428.00	428.00	428.00
21.250	428.00	428.00	428.00	428.00	428.00
21.500	428.00	428.00	428.00	428.00	428.00
21.750	428.00	428.00	428.00	428.00	428.00
22.000	428.00	428.00	428.00	428.00	428.00
22.250	428.00	428.00	428.00	428.00	428.00
22.500	428.00	428.00	428.00	428.00	428.00
22.750	428.00	428.00	428.00	428.00	428.00
23.000	428.00	428.00	428.00	428.00	428.00
23.250	428.00	428.00	428.00	428.00	428.00
23.500	428.00	428.00	428.00	428.00	428.00
23.750	428.00	428.00	428.00	428.00	428.00
24.000	428.00	428.00	428.00	428.00	428.00
24.250	428.00	428.00	428.00	428.00	428.00
24.500	428.00	428.00	428.00	428.00	428.00
24.750	428.00	428.00	428.00	428.00	428.00
25.000	428.00	428.00	428.00	428.00	428.00
25.250	428.00	428.00	428.00	428.00	428.00
25.500	428.00	428.00	428.00	428.00	428.00
25.750	428.00	428.00	428.00	428.00	428.00
26.000	428.00	428.00	428.00	428.00	428.00
26.250	428.00	428.00	428.00	428.00	428.00
26.500	428.00	428.00	428.00	428.00	428.00
26.750	428.00	428.00	428.00	428.00	428.00
27.000	428.00	428.00	428.00	428.00	428.00
27.250	428.00	428.00	428.00	428.00	428.00
27.500	428.00	428.00	428.00	428.00	428.00
27.750	428.00	428.00	428.00	428.00	428.00
28.000	428.00	428.00	428.00	428.00	428.00
28.250	428.00	428.00	428.00	428.00	428.00
28.500	428.00	428.00	428.00	428.00	428.00
28.750	428.00	428.00	428.00	428.00	428.00
29.000	428.00	428.00	428.00	428.00	428.00
29.250	428.00	428.00	428.00	428.00	428.00
29.500	428.00	428.00	428.00	428.00	428.00
29.750	428.00	428.00	428.00	428.00	428.00
30.000	428.00	428.00	428.00	428.00	428.00
30.250	428.00	428.00	428.00	428.00	428.00
30.500	428.00	428.00	428.00	428.00	428.00
30.750	428.00	428.00	428.00	428.00	428.00
31.000	428.00	428.00	428.00	428.00	428.00
31.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
31.500	428.00	428.00	428.00	428.00	428.00
31.750	428.00	428.00	428.00	428.00	428.00
32.000	428.00	428.00	428.00	428.00	428.00
32.250	428.00	428.00	428.00	428.00	428.00
32.500	428.00	428.00	428.00	428.00	428.00
32.750	428.00	428.00	428.00	428.00	428.00
33.000	428.00	428.00	428.00	428.00	428.00
33.250	428.00	428.00	428.00	428.00	428.00
33.500	428.00	428.00	428.00	428.00	428.00
33.750	428.00	428.00	428.00	428.00	428.00
34.000	428.00	428.00	428.00	428.00	428.00
34.250	428.00	428.00	428.00	428.00	428.00
34.500	428.00	428.00	428.00	428.00	428.00
34.750	428.00	428.00	428.00	428.00	428.00
35.000	428.00	428.00	428.00	428.00	428.00
35.250	428.00	428.00	428.00	428.00	428.00
35.500	428.00	428.00	428.00	428.00	428.00
35.750	428.00	428.00	428.00	428.00	428.00
36.000	428.00	428.00	428.00	428.00	428.00
36.250	428.00	428.00	428.00	428.00	428.00
36.500	428.00	428.00	428.00	428.00	428.00
36.750	428.00	428.00	428.00	428.00	428.00
37.000	428.00	428.00	428.00	428.00	428.00
37.250	428.00	428.00	428.00	428.00	428.00
37.500	428.00	428.00	428.00	428.00	428.00
37.750	428.00	428.00	428.00	428.00	428.00
38.000	428.00	428.00	428.00	428.00	428.00
38.250	428.00	428.00	428.00	428.00	428.00
38.500	428.00	428.00	428.00	428.00	428.00
38.750	428.00	428.00	428.00	428.00	428.00
39.000	428.00	428.00	428.00	428.00	428.00
39.250	428.00	428.00	428.00	428.00	428.00
39.500	428.00	428.00	428.00	428.00	428.00
39.750	428.00	428.00	428.00	428.00	428.00
40.000	428.00	428.00	428.00	428.00	428.00
40.250	428.00	428.00	428.00	428.00	428.00
40.500	428.00	428.00	428.00	428.00	428.00
40.750	428.00	428.00	428.00	428.00	428.00
41.000	428.00	428.00	428.00	428.00	428.00
41.250	428.00	428.00	428.00	428.00	428.00
41.500	428.00	428.00	428.00	428.00	428.00
41.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
42.000	428.00	428.00	428.00	428.00	428.00
42.250	428.00	428.00	428.00	428.00	428.00
42.500	428.00	428.00	428.00	428.00	428.00
42.750	428.00	428.00	428.00	428.00	428.00
43.000	428.00	428.00	428.00	428.00	428.00
43.250	428.00	428.00	428.00	428.00	428.00
43.500	428.00	428.00	428.00	428.00	428.00
43.750	428.00	428.00	428.00	428.00	428.00
44.000	428.00	428.00	428.00	428.00	428.00
44.250	428.00	428.00	428.00	428.00	428.00
44.500	428.00	428.00	428.00	428.00	428.00
44.750	428.00	428.00	428.00	428.00	428.00
45.000	428.00	428.00	428.00	428.00	428.00
45.250	428.00	428.00	428.00	428.00	428.00
45.500	428.00	428.00	428.00	428.00	428.00
45.750	428.00	428.00	428.00	428.00	428.00
46.000	428.00	428.00	428.00	428.00	428.00
46.250	428.00	428.00	428.00	428.00	428.00
46.500	428.00	428.00	428.00	428.00	428.00
46.750	428.00	428.00	428.00	428.00	428.00
47.000	428.00	428.00	428.00	428.00	428.00
47.250	428.00	428.00	428.00	428.00	428.00
47.500	428.00	428.00	428.00	428.00	428.00
47.750	428.00	428.00	428.00	428.00	428.00
48.000	428.00	428.00	428.00	428.00	428.00
48.250	428.00	428.00	428.00	428.00	428.00
48.500	428.00	428.00	428.00	428.00	428.00
48.750	428.00	428.00	428.00	428.00	428.00
49.000	428.00	428.00	428.00	428.00	428.00
49.250	428.00	428.00	428.00	428.00	428.00
49.500	428.00	428.00	428.00	428.00	428.00
49.750	428.00	428.00	428.00	428.00	428.00
50.000	428.00	428.00	428.00	428.00	428.00
50.250	428.00	428.00	428.00	428.00	428.00
50.500	428.00	428.00	428.00	428.00	428.00
50.750	428.00	428.00	428.00	428.00	428.00
51.000	428.00	428.00	428.00	428.00	428.00
51.250	428.00	428.00	428.00	428.00	428.00
51.500	428.00	428.00	428.00	428.00	428.00
51.750	428.00	428.00	428.00	428.00	428.00
52.000	428.00	428.00	428.00	428.00	428.00
52.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
52.500	428.00	428.00	428.00	428.00	428.00
52.750	428.00	428.00	428.00	428.00	428.00
53.000	428.00	428.00	428.00	428.00	428.00
53.250	428.00	428.00	428.00	428.00	428.00
53.500	428.00	428.00	428.00	428.00	428.00
53.750	428.00	428.00	428.00	428.00	428.00
54.000	428.00	428.00	428.00	428.00	428.00
54.250	428.00	428.00	428.00	428.00	428.00
54.500	428.00	428.00	428.00	428.00	428.00
54.750	428.00	428.00	428.00	428.00	428.00
55.000	428.00	428.00	428.00	428.00	428.00
55.250	428.00	428.00	428.00	428.00	428.00
55.500	428.00	428.00	428.00	428.00	428.00
55.750	428.00	428.00	428.00	428.00	428.00
56.000	428.00	428.00	428.00	428.00	428.00
56.250	428.00	428.00	428.00	428.00	428.00
56.500	428.00	428.00	428.00	428.00	428.00
56.750	428.00	428.00	428.00	428.00	428.00
57.000	428.00	428.00	428.00	428.00	428.00
57.250	428.00	428.00	428.00	428.00	428.00
57.500	428.00	428.00	428.00	428.00	428.00
57.750	428.00	428.00	428.00	428.00	428.00
58.000	428.00	428.00	428.00	428.00	428.00
58.250	428.00	428.00	428.00	428.00	428.00
58.500	428.00	428.00	428.00	428.00	428.00
58.750	428.00	428.00	428.00	428.00	428.00
59.000	428.00	428.00	428.00	428.00	428.00
59.250	428.00	428.00	428.00	428.00	428.00
59.500	428.00	428.00	428.00	428.00	428.00
59.750	428.00	428.00	428.00	428.00	428.00
60.000	428.00	428.00	428.00	428.00	428.00
60.250	428.00	428.00	428.00	428.00	428.00
60.500	428.00	428.00	428.00	428.00	428.00
60.750	428.00	428.00	428.00	428.00	428.00
61.000	428.00	428.00	428.00	428.00	428.00
61.250	428.00	428.00	428.00	428.00	428.00
61.500	428.00	428.00	428.00	428.00	428.00
61.750	428.00	428.00	428.00	428.00	428.00
62.000	428.00	428.00	428.00	428.00	428.00
62.250	428.00	428.00	428.00	428.00	428.00
62.500	428.00	428.00	428.00	428.00	428.00
62.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
63.000	428.00	428.00	428.00	428.00	428.00
63.250	428.00	428.00	428.00	428.00	428.00
63.500	428.00	428.00	428.00	428.00	428.00
63.750	428.00	428.00	428.00	428.00	428.00
64.000	428.00	428.00	428.00	428.00	428.00
64.250	428.00	428.00	428.00	428.00	428.00
64.500	428.00	428.00	428.00	428.00	428.00
64.750	428.00	428.00	428.00	428.00	428.00
65.000	428.00	428.00	428.00	428.00	428.00
65.250	428.00	428.00	428.00	428.00	428.00
65.500	428.00	428.00	428.00	428.00	428.00
65.750	428.00	428.00	428.00	428.00	428.00
66.000	428.00	428.00	428.00	428.00	428.00
66.250	428.00	428.00	428.00	428.00	428.00
66.500	428.00	428.00	428.00	428.00	428.00
66.750	428.00	428.00	428.00	428.00	428.00
67.000	428.00	428.00	428.00	428.00	428.00
67.250	428.00	428.00	428.00	428.00	428.00
67.500	428.00	428.00	428.00	428.00	428.00
67.750	428.00	428.00	428.00	428.00	428.00
68.000	428.00	428.00	428.00	428.00	428.00
68.250	428.00	428.00	428.00	428.00	428.00
68.500	428.00	428.00	428.00	428.00	428.00
68.750	428.00	428.00	428.00	428.00	428.00
69.000	428.00	428.00	428.00	428.00	428.00
69.250	428.00	428.00	428.00	428.00	428.00
69.500	428.00	428.00	428.00	428.00	428.00
69.750	428.00	428.00	428.00	428.00	428.00
70.000	428.00	428.00	428.00	428.00	428.00
70.250	428.00	428.00	428.00	428.00	428.00
70.500	428.00	428.00	428.00	428.00	428.00
70.750	428.00	428.00	428.00	428.00	428.00
71.000	428.00	428.00	428.00	428.00	428.00
71.250	428.00	428.00	428.00	428.00	428.00
71.500	428.00	428.00	428.00	428.00	428.00
71.750	428.00	428.00	428.00	428.00	428.00
72.000	428.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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	428.00	428.00	428.00	428.00	428.00
0.250	428.00	428.00	428.00	428.00	428.00
0.500	428.00	428.00	428.00	428.00	428.00
0.750	428.00	428.00	428.00	428.00	428.00
1.000	428.00	428.00	428.00	428.00	428.00
1.250	428.00	428.00	428.00	428.00	428.00
1.500	428.00	428.00	428.00	428.00	428.00
1.750	428.00	428.00	428.00	428.00	428.00
2.000	428.00	428.00	428.00	428.00	428.00
2.250	428.00	428.00	428.00	428.00	428.00
2.500	428.00	428.00	428.00	428.00	428.00
2.750	428.00	428.00	428.00	428.00	428.00
3.000	428.00	428.00	428.00	428.00	428.00
3.250	428.00	428.00	428.00	428.00	428.00
3.500	428.00	428.00	428.00	428.00	428.00
3.750	428.00	428.00	428.00	428.00	428.00
4.000	428.00	428.00	428.00	428.00	428.00
4.250	428.00	428.00	428.00	428.00	428.00
4.500	428.00	428.00	428.00	428.00	428.00
4.750	428.00	428.00	428.00	428.00	428.00
5.000	428.00	428.00	428.00	428.00	428.00
5.250	428.00	428.00	428.00	428.00	428.00
5.500	428.00	428.00	428.00	428.00	428.00
5.750	428.00	428.00	428.00	428.00	428.00
6.000	428.00	428.00	428.00	428.00	428.00
6.250	428.00	428.00	428.00	428.00	428.00
6.500	428.00	428.00	428.00	428.00	428.00
6.750	428.00	428.00	428.00	428.00	428.00
7.000	428.00	428.00	428.00	428.00	428.00
7.250	428.00	428.00	428.00	428.00	428.00
7.500	428.00	428.00	428.00	428.00	428.00
7.750	428.00	428.00	428.00	428.00	428.00
8.000	428.00	428.00	428.00	428.00	428.00
8.250	428.00	428.00	428.00	428.00	428.00
8.500	428.00	428.00	428.00	428.00	428.00
8.750	428.00	428.00	428.00	428.00	428.00
9.000	428.00	428.00	428.00	428.00	428.00
9.250	428.00	428.00	428.00	428.00	428.00
9.500	428.00	428.00	428.00	428.00	428.00
9.750	428.00	428.00	428.00	428.00	428.00
10.000	428.00	428.00	428.00	428.00	428.00
10.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
10.500	428.00	428.00	428.00	428.00	428.00
10.750	428.00	428.00	428.00	428.00	428.00
11.000	428.00	428.01	428.01	428.01	428.01
11.250	428.01	428.01	428.01	428.01	428.01
11.500	428.01	428.01	428.01	428.02	428.02
11.750	428.02	428.03	428.03	428.04	428.05
12.000	428.10	428.16	428.20	428.22	428.23
12.250	428.23	428.23	428.22	428.21	428.20
12.500	428.19	428.18	428.16	428.14	428.11
12.750	428.09	428.07	428.04	428.03	428.02
13.000	428.02	428.02	428.01	428.01	428.01
13.250	428.01	428.01	428.01	428.01	428.01
13.500	428.01	428.01	428.01	428.01	428.01
13.750	428.01	428.01	428.01	428.01	428.01
14.000	428.01	428.01	428.01	428.01	428.01
14.250	428.01	428.01	428.01	428.01	428.01
14.500	428.01	428.01	428.01	428.01	428.01
14.750	428.01	428.01	428.01	428.01	428.01
15.000	428.01	428.01	428.01	428.01	428.01
15.250	428.01	428.01	428.01	428.01	428.01
15.500	428.01	428.01	428.01	428.01	428.01
15.750	428.01	428.01	428.01	428.01	428.01
16.000	428.01	428.01	428.01	428.01	428.01
16.250	428.01	428.01	428.01	428.01	428.01
16.500	428.01	428.00	428.00	428.00	428.01
16.750	428.01	428.01	428.00	428.00	428.00
17.000	428.01	428.01	428.01	428.00	428.00
17.250	428.00	428.01	428.01	428.01	428.00
17.500	428.00	428.00	428.00	428.00	428.01
17.750	428.01	428.01	428.00	428.00	428.00
18.000	428.00	428.00	428.00	428.00	428.00
18.250	428.00	428.01	428.01	428.01	428.00
18.500	428.00	428.00	428.00	428.00	428.00
18.750	428.00	428.00	428.00	428.00	428.00
19.000	428.00	428.00	428.00	428.00	428.00
19.250	428.00	428.00	428.00	428.00	428.00
19.500	428.00	428.00	428.00	428.00	428.00
19.750	428.00	428.00	428.00	428.00	428.00
20.000	428.00	428.00	428.00	428.00	428.00
20.250	428.00	428.00	428.00	428.00	428.00
20.500	428.00	428.00	428.00	428.00	428.00
20.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
21.000	428.00	428.00	428.00	428.00	428.00
21.250	428.00	428.00	428.00	428.00	428.00
21.500	428.00	428.00	428.00	428.00	428.00
21.750	428.00	428.00	428.00	428.00	428.00
22.000	428.00	428.00	428.00	428.00	428.00
22.250	428.00	428.00	428.00	428.00	428.00
22.500	428.00	428.00	428.00	428.00	428.00
22.750	428.00	428.00	428.00	428.00	428.00
23.000	428.00	428.00	428.00	428.00	428.00
23.250	428.00	428.00	428.00	428.00	428.00
23.500	428.00	428.00	428.00	428.00	428.00
23.750	428.00	428.00	428.00	428.00	428.00
24.000	428.00	428.00	428.00	428.00	428.00
24.250	428.00	428.00	428.00	428.00	428.00
24.500	428.00	428.00	428.00	428.00	428.00
24.750	428.00	428.00	428.00	428.00	428.00
25.000	428.00	428.00	428.00	428.00	428.00
25.250	428.00	428.00	428.00	428.00	428.00
25.500	428.00	428.00	428.00	428.00	428.00
25.750	428.00	428.00	428.00	428.00	428.00
26.000	428.00	428.00	428.00	428.00	428.00
26.250	428.00	428.00	428.00	428.00	428.00
26.500	428.00	428.00	428.00	428.00	428.00
26.750	428.00	428.00	428.00	428.00	428.00
27.000	428.00	428.00	428.00	428.00	428.00
27.250	428.00	428.00	428.00	428.00	428.00
27.500	428.00	428.00	428.00	428.00	428.00
27.750	428.00	428.00	428.00	428.00	428.00
28.000	428.00	428.00	428.00	428.00	428.00
28.250	428.00	428.00	428.00	428.00	428.00
28.500	428.00	428.00	428.00	428.00	428.00
28.750	428.00	428.00	428.00	428.00	428.00
29.000	428.00	428.00	428.00	428.00	428.00
29.250	428.00	428.00	428.00	428.00	428.00
29.500	428.00	428.00	428.00	428.00	428.00
29.750	428.00	428.00	428.00	428.00	428.00
30.000	428.00	428.00	428.00	428.00	428.00
30.250	428.00	428.00	428.00	428.00	428.00
30.500	428.00	428.00	428.00	428.00	428.00
30.750	428.00	428.00	428.00	428.00	428.00
31.000	428.00	428.00	428.00	428.00	428.00
31.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
31.500	428.00	428.00	428.00	428.00	428.00
31.750	428.00	428.00	428.00	428.00	428.00
32.000	428.00	428.00	428.00	428.00	428.00
32.250	428.00	428.00	428.00	428.00	428.00
32.500	428.00	428.00	428.00	428.00	428.00
32.750	428.00	428.00	428.00	428.00	428.00
33.000	428.00	428.00	428.00	428.00	428.00
33.250	428.00	428.00	428.00	428.00	428.00
33.500	428.00	428.00	428.00	428.00	428.00
33.750	428.00	428.00	428.00	428.00	428.00
34.000	428.00	428.00	428.00	428.00	428.00
34.250	428.00	428.00	428.00	428.00	428.00
34.500	428.00	428.00	428.00	428.00	428.00
34.750	428.00	428.00	428.00	428.00	428.00
35.000	428.00	428.00	428.00	428.00	428.00
35.250	428.00	428.00	428.00	428.00	428.00
35.500	428.00	428.00	428.00	428.00	428.00
35.750	428.00	428.00	428.00	428.00	428.00
36.000	428.00	428.00	428.00	428.00	428.00
36.250	428.00	428.00	428.00	428.00	428.00
36.500	428.00	428.00	428.00	428.00	428.00
36.750	428.00	428.00	428.00	428.00	428.00
37.000	428.00	428.00	428.00	428.00	428.00
37.250	428.00	428.00	428.00	428.00	428.00
37.500	428.00	428.00	428.00	428.00	428.00
37.750	428.00	428.00	428.00	428.00	428.00
38.000	428.00	428.00	428.00	428.00	428.00
38.250	428.00	428.00	428.00	428.00	428.00
38.500	428.00	428.00	428.00	428.00	428.00
38.750	428.00	428.00	428.00	428.00	428.00
39.000	428.00	428.00	428.00	428.00	428.00
39.250	428.00	428.00	428.00	428.00	428.00
39.500	428.00	428.00	428.00	428.00	428.00
39.750	428.00	428.00	428.00	428.00	428.00
40.000	428.00	428.00	428.00	428.00	428.00
40.250	428.00	428.00	428.00	428.00	428.00
40.500	428.00	428.00	428.00	428.00	428.00
40.750	428.00	428.00	428.00	428.00	428.00
41.000	428.00	428.00	428.00	428.00	428.00
41.250	428.00	428.00	428.00	428.00	428.00
41.500	428.00	428.00	428.00	428.00	428.00
41.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
42.000	428.00	428.00	428.00	428.00	428.00
42.250	428.00	428.00	428.00	428.00	428.00
42.500	428.00	428.00	428.00	428.00	428.00
42.750	428.00	428.00	428.00	428.00	428.00
43.000	428.00	428.00	428.00	428.00	428.00
43.250	428.00	428.00	428.00	428.00	428.00
43.500	428.00	428.00	428.00	428.00	428.00
43.750	428.00	428.00	428.00	428.00	428.00
44.000	428.00	428.00	428.00	428.00	428.00
44.250	428.00	428.00	428.00	428.00	428.00
44.500	428.00	428.00	428.00	428.00	428.00
44.750	428.00	428.00	428.00	428.00	428.00
45.000	428.00	428.00	428.00	428.00	428.00
45.250	428.00	428.00	428.00	428.00	428.00
45.500	428.00	428.00	428.00	428.00	428.00
45.750	428.00	428.00	428.00	428.00	428.00
46.000	428.00	428.00	428.00	428.00	428.00
46.250	428.00	428.00	428.00	428.00	428.00
46.500	428.00	428.00	428.00	428.00	428.00
46.750	428.00	428.00	428.00	428.00	428.00
47.000	428.00	428.00	428.00	428.00	428.00
47.250	428.00	428.00	428.00	428.00	428.00
47.500	428.00	428.00	428.00	428.00	428.00
47.750	428.00	428.00	428.00	428.00	428.00
48.000	428.00	428.00	428.00	428.00	428.00
48.250	428.00	428.00	428.00	428.00	428.00
48.500	428.00	428.00	428.00	428.00	428.00
48.750	428.00	428.00	428.00	428.00	428.00
49.000	428.00	428.00	428.00	428.00	428.00
49.250	428.00	428.00	428.00	428.00	428.00
49.500	428.00	428.00	428.00	428.00	428.00
49.750	428.00	428.00	428.00	428.00	428.00
50.000	428.00	428.00	428.00	428.00	428.00
50.250	428.00	428.00	428.00	428.00	428.00
50.500	428.00	428.00	428.00	428.00	428.00
50.750	428.00	428.00	428.00	428.00	428.00
51.000	428.00	428.00	428.00	428.00	428.00
51.250	428.00	428.00	428.00	428.00	428.00
51.500	428.00	428.00	428.00	428.00	428.00
51.750	428.00	428.00	428.00	428.00	428.00
52.000	428.00	428.00	428.00	428.00	428.00
52.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
52.500	428.00	428.00	428.00	428.00	428.00
52.750	428.00	428.00	428.00	428.00	428.00
53.000	428.00	428.00	428.00	428.00	428.00
53.250	428.00	428.00	428.00	428.00	428.00
53.500	428.00	428.00	428.00	428.00	428.00
53.750	428.00	428.00	428.00	428.00	428.00
54.000	428.00	428.00	428.00	428.00	428.00
54.250	428.00	428.00	428.00	428.00	428.00
54.500	428.00	428.00	428.00	428.00	428.00
54.750	428.00	428.00	428.00	428.00	428.00
55.000	428.00	428.00	428.00	428.00	428.00
55.250	428.00	428.00	428.00	428.00	428.00
55.500	428.00	428.00	428.00	428.00	428.00
55.750	428.00	428.00	428.00	428.00	428.00
56.000	428.00	428.00	428.00	428.00	428.00
56.250	428.00	428.00	428.00	428.00	428.00
56.500	428.00	428.00	428.00	428.00	428.00
56.750	428.00	428.00	428.00	428.00	428.00
57.000	428.00	428.00	428.00	428.00	428.00
57.250	428.00	428.00	428.00	428.00	428.00
57.500	428.00	428.00	428.00	428.00	428.00
57.750	428.00	428.00	428.00	428.00	428.00
58.000	428.00	428.00	428.00	428.00	428.00
58.250	428.00	428.00	428.00	428.00	428.00
58.500	428.00	428.00	428.00	428.00	428.00
58.750	428.00	428.00	428.00	428.00	428.00
59.000	428.00	428.00	428.00	428.00	428.00
59.250	428.00	428.00	428.00	428.00	428.00
59.500	428.00	428.00	428.00	428.00	428.00
59.750	428.00	428.00	428.00	428.00	428.00
60.000	428.00	428.00	428.00	428.00	428.00
60.250	428.00	428.00	428.00	428.00	428.00
60.500	428.00	428.00	428.00	428.00	428.00
60.750	428.00	428.00	428.00	428.00	428.00
61.000	428.00	428.00	428.00	428.00	428.00
61.250	428.00	428.00	428.00	428.00	428.00
61.500	428.00	428.00	428.00	428.00	428.00
61.750	428.00	428.00	428.00	428.00	428.00
62.000	428.00	428.00	428.00	428.00	428.00
62.250	428.00	428.00	428.00	428.00	428.00
62.500	428.00	428.00	428.00	428.00	428.00
62.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
63.000	428.00	428.00	428.00	428.00	428.00
63.250	428.00	428.00	428.00	428.00	428.00
63.500	428.00	428.00	428.00	428.00	428.00
63.750	428.00	428.00	428.00	428.00	428.00
64.000	428.00	428.00	428.00	428.00	428.00
64.250	428.00	428.00	428.00	428.00	428.00
64.500	428.00	428.00	428.00	428.00	428.00
64.750	428.00	428.00	428.00	428.00	428.00
65.000	428.00	428.00	428.00	428.00	428.00
65.250	428.00	428.00	428.00	428.00	428.00
65.500	428.00	428.00	428.00	428.00	428.00
65.750	428.00	428.00	428.00	428.00	428.00
66.000	428.00	428.00	428.00	428.00	428.00
66.250	428.00	428.00	428.00	428.00	428.00
66.500	428.00	428.00	428.00	428.00	428.00
66.750	428.00	428.00	428.00	428.00	428.00
67.000	428.00	428.00	428.00	428.00	428.00
67.250	428.00	428.00	428.00	428.00	428.00
67.500	428.00	428.00	428.00	428.00	428.00
67.750	428.00	428.00	428.00	428.00	428.00
68.000	428.00	428.00	428.00	428.00	428.00
68.250	428.00	428.00	428.00	428.00	428.00
68.500	428.00	428.00	428.00	428.00	428.00
68.750	428.00	428.00	428.00	428.00	428.00
69.000	428.00	428.00	428.00	428.00	428.00
69.250	428.00	428.00	428.00	428.00	428.00
69.500	428.00	428.00	428.00	428.00	428.00
69.750	428.00	428.00	428.00	428.00	428.00
70.000	428.00	428.00	428.00	428.00	428.00
70.250	428.00	428.00	428.00	428.00	428.00
70.500	428.00	428.00	428.00	428.00	428.00
70.750	428.00	428.00	428.00	428.00	428.00
71.000	428.00	428.00	428.00	428.00	428.00
71.250	428.00	428.00	428.00	428.00	428.00
71.500	428.00	428.00	428.00	428.00	428.00
71.750	428.00	428.00	428.00	428.00	428.00
72.000	428.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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	428.00	428.00	428.00	428.00	428.00
0.250	428.00	428.00	428.00	428.00	428.00
0.500	428.00	428.00	428.00	428.00	428.00
0.750	428.00	428.00	428.00	428.00	428.00
1.000	428.00	428.00	428.00	428.00	428.00
1.250	428.00	428.00	428.00	428.00	428.00
1.500	428.00	428.00	428.00	428.00	428.00
1.750	428.00	428.00	428.00	428.00	428.00
2.000	428.00	428.00	428.00	428.00	428.00
2.250	428.00	428.00	428.00	428.00	428.00
2.500	428.00	428.00	428.00	428.00	428.00
2.750	428.00	428.00	428.00	428.00	428.00
3.000	428.00	428.00	428.00	428.00	428.00
3.250	428.00	428.00	428.00	428.00	428.00
3.500	428.00	428.00	428.00	428.00	428.00
3.750	428.00	428.00	428.00	428.00	428.00
4.000	428.00	428.00	428.00	428.00	428.00
4.250	428.00	428.00	428.00	428.00	428.00
4.500	428.00	428.00	428.00	428.00	428.00
4.750	428.00	428.00	428.00	428.00	428.00
5.000	428.00	428.00	428.00	428.00	428.00
5.250	428.00	428.00	428.00	428.00	428.00
5.500	428.00	428.00	428.00	428.00	428.00
5.750	428.00	428.00	428.00	428.00	428.00
6.000	428.00	428.00	428.00	428.00	428.00
6.250	428.00	428.00	428.00	428.00	428.00
6.500	428.00	428.00	428.00	428.00	428.00
6.750	428.00	428.00	428.00	428.00	428.00
7.000	428.00	428.00	428.00	428.00	428.00
7.250	428.00	428.00	428.00	428.00	428.00
7.500	428.00	428.00	428.00	428.00	428.00
7.750	428.00	428.00	428.00	428.00	428.00
8.000	428.00	428.00	428.00	428.00	428.00
8.250	428.01	428.01	428.01	428.01	428.01
8.500	428.01	428.01	428.01	428.01	428.01
8.750	428.01	428.01	428.01	428.01	428.01
9.000	428.01	428.01	428.01	428.01	428.01
9.250	428.01	428.01	428.01	428.01	428.01
9.500	428.01	428.01	428.01	428.01	428.01
9.750	428.01	428.01	428.01	428.01	428.01
10.000	428.01	428.01	428.01	428.01	428.01
10.250	428.01	428.01	428.01	428.01	428.01

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
10.500	428.02	428.02	428.02	428.02	428.02
10.750	428.02	428.02	428.02	428.02	428.02
11.000	428.02	428.02	428.02	428.02	428.02
11.250	428.03	428.03	428.03	428.03	428.03
11.500	428.03	428.04	428.05	428.06	428.08
11.750	428.10	428.13	428.17	428.22	428.31
12.000	428.47	428.65	428.77	428.81	428.82
12.250	428.81	428.80	428.78	428.77	428.76
12.500	428.74	428.73	428.71	428.69	428.67
12.750	428.65	428.64	428.62	428.61	428.59
13.000	428.58	428.57	428.55	428.53	428.52
13.250	428.50	428.49	428.47	428.45	428.43
13.500	428.41	428.39	428.37	428.36	428.34
13.750	428.32	428.30	428.28	428.26	428.24
14.000	428.21	428.19	428.17	428.15	428.13
14.250	428.11	428.09	428.06	428.04	428.03
14.500	428.02	428.02	428.02	428.02	428.02
14.750	428.02	428.02	428.02	428.02	428.02
15.000	428.02	428.02	428.02	428.01	428.02
15.250	428.02	428.02	428.02	428.02	428.01
15.500	428.02	428.02	428.02	428.01	428.01
15.750	428.01	428.01	428.01	428.01	428.02
16.000	428.01	428.01	428.01	428.01	428.01
16.250	428.01	428.01	428.01	428.01	428.01
16.500	428.01	428.01	428.01	428.01	428.01
16.750	428.01	428.01	428.01	428.01	428.01
17.000	428.01	428.01	428.01	428.01	428.01
17.250	428.01	428.01	428.01	428.01	428.01
17.500	428.01	428.01	428.01	428.01	428.01
17.750	428.01	428.01	428.01	428.01	428.01
18.000	428.01	428.01	428.01	428.01	428.01
18.250	428.01	428.01	428.01	428.01	428.01
18.500	428.01	428.01	428.01	428.01	428.01
18.750	428.01	428.01	428.01	428.01	428.01
19.000	428.01	428.01	428.01	428.01	428.01
19.250	428.01	428.01	428.01	428.01	428.01
19.500	428.01	428.01	428.01	428.01	428.01
19.750	428.01	428.01	428.01	428.01	428.01
20.000	428.01	428.01	428.01	428.01	428.01
20.250	428.01	428.01	428.01	428.01	428.01
20.500	428.01	428.01	428.01	428.01	428.01
20.750	428.01	428.01	428.01	428.01	428.01

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
21.000	428.01	428.01	428.01	428.01	428.01
21.250	428.01	428.01	428.01	428.01	428.01
21.500	428.01	428.01	428.01	428.01	428.01
21.750	428.01	428.01	428.01	428.01	428.01
22.000	428.01	428.01	428.01	428.01	428.01
22.250	428.01	428.01	428.01	428.01	428.01
22.500	428.01	428.01	428.01	428.01	428.01
22.750	428.01	428.01	428.01	428.01	428.01
23.000	428.01	428.01	428.01	428.01	428.01
23.250	428.01	428.01	428.01	428.01	428.01
23.500	428.01	428.01	428.01	428.01	428.01
23.750	428.01	428.01	428.01	428.01	428.01
24.000	428.01	428.01	428.00	428.00	428.00
24.250	428.00	428.00	428.00	428.00	428.00
24.500	428.00	428.00	428.00	428.00	428.00
24.750	428.00	428.00	428.00	428.00	428.00
25.000	428.00	428.00	428.00	428.00	428.00
25.250	428.00	428.00	428.00	428.00	428.00
25.500	428.00	428.00	428.00	428.00	428.00
25.750	428.00	428.00	428.00	428.00	428.00
26.000	428.00	428.00	428.00	428.00	428.00
26.250	428.00	428.00	428.00	428.00	428.00
26.500	428.00	428.00	428.00	428.00	428.00
26.750	428.00	428.00	428.00	428.00	428.00
27.000	428.00	428.00	428.00	428.00	428.00
27.250	428.00	428.00	428.00	428.00	428.00
27.500	428.00	428.00	428.00	428.00	428.00
27.750	428.00	428.00	428.00	428.00	428.00
28.000	428.00	428.00	428.00	428.00	428.00
28.250	428.00	428.00	428.00	428.00	428.00
28.500	428.00	428.00	428.00	428.00	428.00
28.750	428.00	428.00	428.00	428.00	428.00
29.000	428.00	428.00	428.00	428.00	428.00
29.250	428.00	428.00	428.00	428.00	428.00
29.500	428.00	428.00	428.00	428.00	428.00
29.750	428.00	428.00	428.00	428.00	428.00
30.000	428.00	428.00	428.00	428.00	428.00
30.250	428.00	428.00	428.00	428.00	428.00
30.500	428.00	428.00	428.00	428.00	428.00
30.750	428.00	428.00	428.00	428.00	428.00
31.000	428.00	428.00	428.00	428.00	428.00
31.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
31.500	428.00	428.00	428.00	428.00	428.00
31.750	428.00	428.00	428.00	428.00	428.00
32.000	428.00	428.00	428.00	428.00	428.00
32.250	428.00	428.00	428.00	428.00	428.00
32.500	428.00	428.00	428.00	428.00	428.00
32.750	428.00	428.00	428.00	428.00	428.00
33.000	428.00	428.00	428.00	428.00	428.00
33.250	428.00	428.00	428.00	428.00	428.00
33.500	428.00	428.00	428.00	428.00	428.00
33.750	428.00	428.00	428.00	428.00	428.00
34.000	428.00	428.00	428.00	428.00	428.00
34.250	428.00	428.00	428.00	428.00	428.00
34.500	428.00	428.00	428.00	428.00	428.00
34.750	428.00	428.00	428.00	428.00	428.00
35.000	428.00	428.00	428.00	428.00	428.00
35.250	428.00	428.00	428.00	428.00	428.00
35.500	428.00	428.00	428.00	428.00	428.00
35.750	428.00	428.00	428.00	428.00	428.00
36.000	428.00	428.00	428.00	428.00	428.00
36.250	428.00	428.00	428.00	428.00	428.00
36.500	428.00	428.00	428.00	428.00	428.00
36.750	428.00	428.00	428.00	428.00	428.00
37.000	428.00	428.00	428.00	428.00	428.00
37.250	428.00	428.00	428.00	428.00	428.00
37.500	428.00	428.00	428.00	428.00	428.00
37.750	428.00	428.00	428.00	428.00	428.00
38.000	428.00	428.00	428.00	428.00	428.00
38.250	428.00	428.00	428.00	428.00	428.00
38.500	428.00	428.00	428.00	428.00	428.00
38.750	428.00	428.00	428.00	428.00	428.00
39.000	428.00	428.00	428.00	428.00	428.00
39.250	428.00	428.00	428.00	428.00	428.00
39.500	428.00	428.00	428.00	428.00	428.00
39.750	428.00	428.00	428.00	428.00	428.00
40.000	428.00	428.00	428.00	428.00	428.00
40.250	428.00	428.00	428.00	428.00	428.00
40.500	428.00	428.00	428.00	428.00	428.00
40.750	428.00	428.00	428.00	428.00	428.00
41.000	428.00	428.00	428.00	428.00	428.00
41.250	428.00	428.00	428.00	428.00	428.00
41.500	428.00	428.00	428.00	428.00	428.00
41.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
42.000	428.00	428.00	428.00	428.00	428.00
42.250	428.00	428.00	428.00	428.00	428.00
42.500	428.00	428.00	428.00	428.00	428.00
42.750	428.00	428.00	428.00	428.00	428.00
43.000	428.00	428.00	428.00	428.00	428.00
43.250	428.00	428.00	428.00	428.00	428.00
43.500	428.00	428.00	428.00	428.00	428.00
43.750	428.00	428.00	428.00	428.00	428.00
44.000	428.00	428.00	428.00	428.00	428.00
44.250	428.00	428.00	428.00	428.00	428.00
44.500	428.00	428.00	428.00	428.00	428.00
44.750	428.00	428.00	428.00	428.00	428.00
45.000	428.00	428.00	428.00	428.00	428.00
45.250	428.00	428.00	428.00	428.00	428.00
45.500	428.00	428.00	428.00	428.00	428.00
45.750	428.00	428.00	428.00	428.00	428.00
46.000	428.00	428.00	428.00	428.00	428.00
46.250	428.00	428.00	428.00	428.00	428.00
46.500	428.00	428.00	428.00	428.00	428.00
46.750	428.00	428.00	428.00	428.00	428.00
47.000	428.00	428.00	428.00	428.00	428.00
47.250	428.00	428.00	428.00	428.00	428.00
47.500	428.00	428.00	428.00	428.00	428.00
47.750	428.00	428.00	428.00	428.00	428.00
48.000	428.00	428.00	428.00	428.00	428.00
48.250	428.00	428.00	428.00	428.00	428.00
48.500	428.00	428.00	428.00	428.00	428.00
48.750	428.00	428.00	428.00	428.00	428.00
49.000	428.00	428.00	428.00	428.00	428.00
49.250	428.00	428.00	428.00	428.00	428.00
49.500	428.00	428.00	428.00	428.00	428.00
49.750	428.00	428.00	428.00	428.00	428.00
50.000	428.00	428.00	428.00	428.00	428.00
50.250	428.00	428.00	428.00	428.00	428.00
50.500	428.00	428.00	428.00	428.00	428.00
50.750	428.00	428.00	428.00	428.00	428.00
51.000	428.00	428.00	428.00	428.00	428.00
51.250	428.00	428.00	428.00	428.00	428.00
51.500	428.00	428.00	428.00	428.00	428.00
51.750	428.00	428.00	428.00	428.00	428.00
52.000	428.00	428.00	428.00	428.00	428.00
52.250	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
52.500	428.00	428.00	428.00	428.00	428.00
52.750	428.00	428.00	428.00	428.00	428.00
53.000	428.00	428.00	428.00	428.00	428.00
53.250	428.00	428.00	428.00	428.00	428.00
53.500	428.00	428.00	428.00	428.00	428.00
53.750	428.00	428.00	428.00	428.00	428.00
54.000	428.00	428.00	428.00	428.00	428.00
54.250	428.00	428.00	428.00	428.00	428.00
54.500	428.00	428.00	428.00	428.00	428.00
54.750	428.00	428.00	428.00	428.00	428.00
55.000	428.00	428.00	428.00	428.00	428.00
55.250	428.00	428.00	428.00	428.00	428.00
55.500	428.00	428.00	428.00	428.00	428.00
55.750	428.00	428.00	428.00	428.00	428.00
56.000	428.00	428.00	428.00	428.00	428.00
56.250	428.00	428.00	428.00	428.00	428.00
56.500	428.00	428.00	428.00	428.00	428.00
56.750	428.00	428.00	428.00	428.00	428.00
57.000	428.00	428.00	428.00	428.00	428.00
57.250	428.00	428.00	428.00	428.00	428.00
57.500	428.00	428.00	428.00	428.00	428.00
57.750	428.00	428.00	428.00	428.00	428.00
58.000	428.00	428.00	428.00	428.00	428.00
58.250	428.00	428.00	428.00	428.00	428.00
58.500	428.00	428.00	428.00	428.00	428.00
58.750	428.00	428.00	428.00	428.00	428.00
59.000	428.00	428.00	428.00	428.00	428.00
59.250	428.00	428.00	428.00	428.00	428.00
59.500	428.00	428.00	428.00	428.00	428.00
59.750	428.00	428.00	428.00	428.00	428.00
60.000	428.00	428.00	428.00	428.00	428.00
60.250	428.00	428.00	428.00	428.00	428.00
60.500	428.00	428.00	428.00	428.00	428.00
60.750	428.00	428.00	428.00	428.00	428.00
61.000	428.00	428.00	428.00	428.00	428.00
61.250	428.00	428.00	428.00	428.00	428.00
61.500	428.00	428.00	428.00	428.00	428.00
61.750	428.00	428.00	428.00	428.00	428.00
62.000	428.00	428.00	428.00	428.00	428.00
62.250	428.00	428.00	428.00	428.00	428.00
62.500	428.00	428.00	428.00	428.00	428.00
62.750	428.00	428.00	428.00	428.00	428.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
63.000	428.00	428.00	428.00	428.00	428.00
63.250	428.00	428.00	428.00	428.00	428.00
63.500	428.00	428.00	428.00	428.00	428.00
63.750	428.00	428.00	428.00	428.00	428.00
64.000	428.00	428.00	428.00	428.00	428.00
64.250	428.00	428.00	428.00	428.00	428.00
64.500	428.00	428.00	428.00	428.00	428.00
64.750	428.00	428.00	428.00	428.00	428.00
65.000	428.00	428.00	428.00	428.00	428.00
65.250	428.00	428.00	428.00	428.00	428.00
65.500	428.00	428.00	428.00	428.00	428.00
65.750	428.00	428.00	428.00	428.00	428.00
66.000	428.00	428.00	428.00	428.00	428.00
66.250	428.00	428.00	428.00	428.00	428.00
66.500	428.00	428.00	428.00	428.00	428.00
66.750	428.00	428.00	428.00	428.00	428.00
67.000	428.00	428.00	428.00	428.00	428.00
67.250	428.00	428.00	428.00	428.00	428.00
67.500	428.00	428.00	428.00	428.00	428.00
67.750	428.00	428.00	428.00	428.00	428.00
68.000	428.00	428.00	428.00	428.00	428.00
68.250	428.00	428.00	428.00	428.00	428.00
68.500	428.00	428.00	428.00	428.00	428.00
68.750	428.00	428.00	428.00	428.00	428.00
69.000	428.00	428.00	428.00	428.00	428.00
69.250	428.00	428.00	428.00	428.00	428.00
69.500	428.00	428.00	428.00	428.00	428.00
69.750	428.00	428.00	428.00	428.00	428.00
70.000	428.00	428.00	428.00	428.00	428.00
70.250	428.00	428.00	428.00	428.00	428.00
70.500	428.00	428.00	428.00	428.00	428.00
70.750	428.00	428.00	428.00	428.00	428.00
71.000	428.00	428.00	428.00	428.00	428.00
71.250	428.00	428.00	428.00	428.00	428.00
71.500	428.00	428.00	428.00	428.00	428.00
71.750	428.00	428.00	428.00	428.00	428.00
72.000	428.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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	427.00	427.00	427.00	427.00	427.00
0.250	427.00	427.00	427.00	427.00	427.00
0.500	427.00	427.00	427.00	427.00	427.00
0.750	427.00	427.00	427.00	427.00	427.00
1.000	427.00	427.00	427.00	427.00	427.00
1.250	427.00	427.00	427.00	427.00	427.00
1.500	427.00	427.00	427.00	427.00	427.00
1.750	427.00	427.00	427.00	427.00	427.00
2.000	427.00	427.00	427.00	427.00	427.00
2.250	427.00	427.00	427.00	427.00	427.00
2.500	427.00	427.00	427.00	427.00	427.00
2.750	427.00	427.00	427.00	427.00	427.00
3.000	427.00	427.00	427.00	427.00	427.00
3.250	427.00	427.00	427.00	427.00	427.00
3.500	427.00	427.00	427.00	427.00	427.00
3.750	427.00	427.00	427.00	427.00	427.00
4.000	427.00	427.00	427.00	427.00	427.00
4.250	427.00	427.00	427.00	427.00	427.00
4.500	427.00	427.00	427.00	427.00	427.00
4.750	427.00	427.00	427.00	427.00	427.00
5.000	427.00	427.00	427.00	427.00	427.00
5.250	427.00	427.00	427.00	427.00	427.00
5.500	427.00	427.00	427.00	427.00	427.00
5.750	427.00	427.00	427.00	427.00	427.00
6.000	427.00	427.00	427.00	427.00	427.00
6.250	427.00	427.00	427.00	427.00	427.00
6.500	427.00	427.00	427.00	427.00	427.00
6.750	427.00	427.00	427.00	427.00	427.00
7.000	427.00	427.00	427.00	427.00	427.00
7.250	427.00	427.00	427.00	427.00	427.00
7.500	427.00	427.00	427.00	427.00	427.00
7.750	427.00	427.00	427.00	427.00	427.00
8.000	427.00	427.00	427.00	427.00	427.00
8.250	427.00	427.00	427.00	427.00	427.00
8.500	427.00	427.00	427.00	427.00	427.00
8.750	427.00	427.00	427.00	427.00	427.00
9.000	427.00	427.00	427.00	427.00	427.00
9.250	427.00	427.00	427.00	427.00	427.00
9.500	427.00	427.00	427.00	427.00	427.00
9.750	427.00	427.00	427.00	427.00	427.00
10.000	427.00	427.00	427.00	427.00	427.00
10.250	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
10.500	427.00	427.00	427.00	427.00	427.00
10.750	427.00	427.00	427.00	427.00	427.00
11.000	427.00	427.00	427.00	427.00	427.00
11.250	427.00	427.00	427.00	427.00	427.00
11.500	427.00	427.00	427.01	427.01	427.01
11.750	427.01	427.01	427.02	427.02	427.03
12.000	427.07	427.11	427.14	427.16	427.16
12.250	427.16	427.16	427.15	427.14	427.13
12.500	427.13	427.12	427.10	427.09	427.07
12.750	427.05	427.04	427.03	427.02	427.02
13.000	427.02	427.01	427.01	427.01	427.01
13.250	427.01	427.01	427.01	427.01	427.01
13.500	427.01	427.01	427.01	427.01	427.01
13.750	427.01	427.01	427.01	427.01	427.01
14.000	427.01	427.01	427.01	427.01	427.01
14.250	427.01	427.01	427.01	427.01	427.01
14.500	427.01	427.01	427.01	427.01	427.01
14.750	427.01	427.01	427.01	427.01	427.01
15.000	427.01	427.01	427.01	427.01	427.01
15.250	427.01	427.01	427.01	427.01	427.01
15.500	427.01	427.01	427.00	427.00	427.00
15.750	427.00	427.01	427.01	427.01	427.01
16.000	427.01	427.01	427.00	427.00	427.00
16.250	427.00	427.01	427.01	427.01	427.01
16.500	427.00	427.00	427.00	427.01	427.01
16.750	427.01	427.00	427.00	427.00	427.00
17.000	427.01	427.01	427.00	427.00	427.00
17.250	427.01	427.01	427.01	427.00	427.00
17.500	427.00	427.01	427.01	427.01	427.00
17.750	427.00	427.00	427.00	427.00	427.00
18.000	427.00	427.00	427.01	427.01	427.00
18.250	427.00	427.00	427.00	427.00	427.00
18.500	427.00	427.00	427.00	427.00	427.00
18.750	427.00	427.00	427.00	427.00	427.00
19.000	427.01	427.01	427.00	427.00	427.00
19.250	427.00	427.00	427.00	427.00	427.00
19.500	427.00	427.00	427.00	427.00	427.00
19.750	427.00	427.00	427.00	427.00	427.00
20.000	427.00	427.00	427.00	427.00	427.00
20.250	427.00	427.00	427.00	427.00	427.00
20.500	427.00	427.00	427.00	427.00	427.00
20.750	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
21.000	427.00	427.00	427.00	427.00	427.00
21.250	427.00	427.00	427.00	427.00	427.00
21.500	427.00	427.00	427.00	427.00	427.00
21.750	427.00	427.00	427.00	427.00	427.00
22.000	427.00	427.00	427.00	427.00	427.00
22.250	427.00	427.00	427.00	427.00	427.00
22.500	427.00	427.00	427.00	427.00	427.00
22.750	427.00	427.00	427.00	427.00	427.00
23.000	427.00	427.00	427.00	427.00	427.00
23.250	427.00	427.00	427.00	427.00	427.00
23.500	427.00	427.00	427.00	427.00	427.00
23.750	427.00	427.00	427.00	427.00	427.00
24.000	427.00	427.00	427.00	427.00	427.00
24.250	427.00	427.00	427.00	427.00	427.00
24.500	427.00	427.00	427.00	427.00	427.00
24.750	427.00	427.00	427.00	427.00	427.00
25.000	427.00	427.00	427.00	427.00	427.00
25.250	427.00	427.00	427.00	427.00	427.00
25.500	427.00	427.00	427.00	427.00	427.00
25.750	427.00	427.00	427.00	427.00	427.00
26.000	427.00	427.00	427.00	427.00	427.00
26.250	427.00	427.00	427.00	427.00	427.00
26.500	427.00	427.00	427.00	427.00	427.00
26.750	427.00	427.00	427.00	427.00	427.00
27.000	427.00	427.00	427.00	427.00	427.00
27.250	427.00	427.00	427.00	427.00	427.00
27.500	427.00	427.00	427.00	427.00	427.00
27.750	427.00	427.00	427.00	427.00	427.00
28.000	427.00	427.00	427.00	427.00	427.00
28.250	427.00	427.00	427.00	427.00	427.00
28.500	427.00	427.00	427.00	427.00	427.00
28.750	427.00	427.00	427.00	427.00	427.00
29.000	427.00	427.00	427.00	427.00	427.00
29.250	427.00	427.00	427.00	427.00	427.00
29.500	427.00	427.00	427.00	427.00	427.00
29.750	427.00	427.00	427.00	427.00	427.00
30.000	427.00	427.00	427.00	427.00	427.00
30.250	427.00	427.00	427.00	427.00	427.00
30.500	427.00	427.00	427.00	427.00	427.00
30.750	427.00	427.00	427.00	427.00	427.00
31.000	427.00	427.00	427.00	427.00	427.00
31.250	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
31.500	427.00	427.00	427.00	427.00	427.00
31.750	427.00	427.00	427.00	427.00	427.00
32.000	427.00	427.00	427.00	427.00	427.00
32.250	427.00	427.00	427.00	427.00	427.00
32.500	427.00	427.00	427.00	427.00	427.00
32.750	427.00	427.00	427.00	427.00	427.00
33.000	427.00	427.00	427.00	427.00	427.00
33.250	427.00	427.00	427.00	427.00	427.00
33.500	427.00	427.00	427.00	427.00	427.00
33.750	427.00	427.00	427.00	427.00	427.00
34.000	427.00	427.00	427.00	427.00	427.00
34.250	427.00	427.00	427.00	427.00	427.00
34.500	427.00	427.00	427.00	427.00	427.00
34.750	427.00	427.00	427.00	427.00	427.00
35.000	427.00	427.00	427.00	427.00	427.00
35.250	427.00	427.00	427.00	427.00	427.00
35.500	427.00	427.00	427.00	427.00	427.00
35.750	427.00	427.00	427.00	427.00	427.00
36.000	427.00	427.00	427.00	427.00	427.00
36.250	427.00	427.00	427.00	427.00	427.00
36.500	427.00	427.00	427.00	427.00	427.00
36.750	427.00	427.00	427.00	427.00	427.00
37.000	427.00	427.00	427.00	427.00	427.00
37.250	427.00	427.00	427.00	427.00	427.00
37.500	427.00	427.00	427.00	427.00	427.00
37.750	427.00	427.00	427.00	427.00	427.00
38.000	427.00	427.00	427.00	427.00	427.00
38.250	427.00	427.00	427.00	427.00	427.00
38.500	427.00	427.00	427.00	427.00	427.00
38.750	427.00	427.00	427.00	427.00	427.00
39.000	427.00	427.00	427.00	427.00	427.00
39.250	427.00	427.00	427.00	427.00	427.00
39.500	427.00	427.00	427.00	427.00	427.00
39.750	427.00	427.00	427.00	427.00	427.00
40.000	427.00	427.00	427.00	427.00	427.00
40.250	427.00	427.00	427.00	427.00	427.00
40.500	427.00	427.00	427.00	427.00	427.00
40.750	427.00	427.00	427.00	427.00	427.00
41.000	427.00	427.00	427.00	427.00	427.00
41.250	427.00	427.00	427.00	427.00	427.00
41.500	427.00	427.00	427.00	427.00	427.00
41.750	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
42.000	427.00	427.00	427.00	427.00	427.00
42.250	427.00	427.00	427.00	427.00	427.00
42.500	427.00	427.00	427.00	427.00	427.00
42.750	427.00	427.00	427.00	427.00	427.00
43.000	427.00	427.00	427.00	427.00	427.00
43.250	427.00	427.00	427.00	427.00	427.00
43.500	427.00	427.00	427.00	427.00	427.00
43.750	427.00	427.00	427.00	427.00	427.00
44.000	427.00	427.00	427.00	427.00	427.00
44.250	427.00	427.00	427.00	427.00	427.00
44.500	427.00	427.00	427.00	427.00	427.00
44.750	427.00	427.00	427.00	427.00	427.00
45.000	427.00	427.00	427.00	427.00	427.00
45.250	427.00	427.00	427.00	427.00	427.00
45.500	427.00	427.00	427.00	427.00	427.00
45.750	427.00	427.00	427.00	427.00	427.00
46.000	427.00	427.00	427.00	427.00	427.00
46.250	427.00	427.00	427.00	427.00	427.00
46.500	427.00	427.00	427.00	427.00	427.00
46.750	427.00	427.00	427.00	427.00	427.00
47.000	427.00	427.00	427.00	427.00	427.00
47.250	427.00	427.00	427.00	427.00	427.00
47.500	427.00	427.00	427.00	427.00	427.00
47.750	427.00	427.00	427.00	427.00	427.00
48.000	427.00	427.00	427.00	427.00	427.00
48.250	427.00	427.00	427.00	427.00	427.00
48.500	427.00	427.00	427.00	427.00	427.00
48.750	427.00	427.00	427.00	427.00	427.00
49.000	427.00	427.00	427.00	427.00	427.00
49.250	427.00	427.00	427.00	427.00	427.00
49.500	427.00	427.00	427.00	427.00	427.00
49.750	427.00	427.00	427.00	427.00	427.00
50.000	427.00	427.00	427.00	427.00	427.00
50.250	427.00	427.00	427.00	427.00	427.00
50.500	427.00	427.00	427.00	427.00	427.00
50.750	427.00	427.00	427.00	427.00	427.00
51.000	427.00	427.00	427.00	427.00	427.00
51.250	427.00	427.00	427.00	427.00	427.00
51.500	427.00	427.00	427.00	427.00	427.00
51.750	427.00	427.00	427.00	427.00	427.00
52.000	427.00	427.00	427.00	427.00	427.00
52.250	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
52.500	427.00	427.00	427.00	427.00	427.00
52.750	427.00	427.00	427.00	427.00	427.00
53.000	427.00	427.00	427.00	427.00	427.00
53.250	427.00	427.00	427.00	427.00	427.00
53.500	427.00	427.00	427.00	427.00	427.00
53.750	427.00	427.00	427.00	427.00	427.00
54.000	427.00	427.00	427.00	427.00	427.00
54.250	427.00	427.00	427.00	427.00	427.00
54.500	427.00	427.00	427.00	427.00	427.00
54.750	427.00	427.00	427.00	427.00	427.00
55.000	427.00	427.00	427.00	427.00	427.00
55.250	427.00	427.00	427.00	427.00	427.00
55.500	427.00	427.00	427.00	427.00	427.00
55.750	427.00	427.00	427.00	427.00	427.00
56.000	427.00	427.00	427.00	427.00	427.00
56.250	427.00	427.00	427.00	427.00	427.00
56.500	427.00	427.00	427.00	427.00	427.00
56.750	427.00	427.00	427.00	427.00	427.00
57.000	427.00	427.00	427.00	427.00	427.00
57.250	427.00	427.00	427.00	427.00	427.00
57.500	427.00	427.00	427.00	427.00	427.00
57.750	427.00	427.00	427.00	427.00	427.00
58.000	427.00	427.00	427.00	427.00	427.00
58.250	427.00	427.00	427.00	427.00	427.00
58.500	427.00	427.00	427.00	427.00	427.00
58.750	427.00	427.00	427.00	427.00	427.00
59.000	427.00	427.00	427.00	427.00	427.00
59.250	427.00	427.00	427.00	427.00	427.00
59.500	427.00	427.00	427.00	427.00	427.00
59.750	427.00	427.00	427.00	427.00	427.00
60.000	427.00	427.00	427.00	427.00	427.00
60.250	427.00	427.00	427.00	427.00	427.00
60.500	427.00	427.00	427.00	427.00	427.00
60.750	427.00	427.00	427.00	427.00	427.00
61.000	427.00	427.00	427.00	427.00	427.00
61.250	427.00	427.00	427.00	427.00	427.00
61.500	427.00	427.00	427.00	427.00	427.00
61.750	427.00	427.00	427.00	427.00	427.00
62.000	427.00	427.00	427.00	427.00	427.00
62.250	427.00	427.00	427.00	427.00	427.00
62.500	427.00	427.00	427.00	427.00	427.00
62.750	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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)
63.000	427.00	427.00	427.00	427.00	427.00
63.250	427.00	427.00	427.00	427.00	427.00
63.500	427.00	427.00	427.00	427.00	427.00
63.750	427.00	427.00	427.00	427.00	427.00
64.000	427.00	427.00	427.00	427.00	427.00
64.250	427.00	427.00	427.00	427.00	427.00
64.500	427.00	427.00	427.00	427.00	427.00
64.750	427.00	427.00	427.00	427.00	427.00
65.000	427.00	427.00	427.00	427.00	427.00
65.250	427.00	427.00	427.00	427.00	427.00
65.500	427.00	427.00	427.00	427.00	427.00
65.750	427.00	427.00	427.00	427.00	427.00
66.000	427.00	427.00	427.00	427.00	427.00
66.250	427.00	427.00	427.00	427.00	427.00
66.500	427.00	427.00	427.00	427.00	427.00
66.750	427.00	427.00	427.00	427.00	427.00
67.000	427.00	427.00	427.00	427.00	427.00
67.250	427.00	427.00	427.00	427.00	427.00
67.500	427.00	427.00	427.00	427.00	427.00
67.750	427.00	427.00	427.00	427.00	427.00
68.000	427.00	427.00	427.00	427.00	427.00
68.250	427.00	427.00	427.00	427.00	427.00
68.500	427.00	427.00	427.00	427.00	427.00
68.750	427.00	427.00	427.00	427.00	427.00
69.000	427.00	427.00	427.00	427.00	427.00
69.250	427.00	427.00	427.00	427.00	427.00
69.500	427.00	427.00	427.00	427.00	427.00
69.750	427.00	427.00	427.00	427.00	427.00
70.000	427.00	427.00	427.00	427.00	427.00
70.250	427.00	427.00	427.00	427.00	427.00
70.500	427.00	427.00	427.00	427.00	427.00
70.750	427.00	427.00	427.00	427.00	427.00
71.000	427.00	427.00	427.00	427.00	427.00
71.250	427.00	427.00	427.00	427.00	427.00
71.500	427.00	427.00	427.00	427.00	427.00
71.750	427.00	427.00	427.00	427.00	427.00
72.000	427.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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	427.00	427.00	427.00	427.00	427.00
0.250	427.00	427.00	427.00	427.00	427.00
0.500	427.00	427.00	427.00	427.00	427.00
0.750	427.00	427.00	427.00	427.00	427.00
1.000	427.00	427.00	427.00	427.00	427.00
1.250	427.00	427.00	427.00	427.00	427.00
1.500	427.00	427.00	427.00	427.00	427.00
1.750	427.00	427.00	427.00	427.00	427.00
2.000	427.00	427.00	427.00	427.00	427.00
2.250	427.00	427.00	427.00	427.00	427.00
2.500	427.00	427.00	427.00	427.00	427.00
2.750	427.00	427.00	427.00	427.00	427.00
3.000	427.00	427.00	427.00	427.00	427.00
3.250	427.00	427.00	427.00	427.00	427.00
3.500	427.00	427.00	427.00	427.00	427.00
3.750	427.00	427.00	427.00	427.00	427.00
4.000	427.00	427.00	427.00	427.00	427.00
4.250	427.00	427.00	427.00	427.00	427.00
4.500	427.00	427.00	427.00	427.00	427.00
4.750	427.00	427.00	427.00	427.00	427.00
5.000	427.00	427.00	427.00	427.00	427.00
5.250	427.00	427.00	427.00	427.00	427.00
5.500	427.00	427.00	427.00	427.00	427.00
5.750	427.00	427.00	427.00	427.00	427.00
6.000	427.00	427.00	427.00	427.00	427.00
6.250	427.00	427.00	427.00	427.00	427.00
6.500	427.00	427.00	427.00	427.00	427.00
6.750	427.00	427.00	427.00	427.00	427.00
7.000	427.00	427.00	427.00	427.00	427.00
7.250	427.00	427.00	427.00	427.00	427.00
7.500	427.00	427.00	427.00	427.00	427.00
7.750	427.00	427.00	427.00	427.00	427.00
8.000	427.00	427.00	427.00	427.00	427.00
8.250	427.00	427.00	427.00	427.00	427.00
8.500	427.00	427.00	427.00	427.00	427.00
8.750	427.00	427.00	427.00	427.00	427.00
9.000	427.00	427.00	427.00	427.00	427.00
9.250	427.00	427.00	427.00	427.00	427.00
9.500	427.00	427.00	427.00	427.00	427.01
9.750	427.01	427.01	427.01	427.01	427.01
10.000	427.01	427.01	427.01	427.01	427.01
10.250	427.01	427.01	427.01	427.01	427.01

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
10.500	427.01	427.01	427.01	427.01	427.01
10.750	427.01	427.01	427.01	427.01	427.01
11.000	427.01	427.02	427.02	427.02	427.02
11.250	427.02	427.02	427.02	427.02	427.02
11.500	427.03	427.03	427.04	427.05	427.06
11.750	427.07	427.09	427.11	427.14	427.21
12.000	427.35	427.51	427.63	427.71	427.77
12.250	427.81	427.84	427.86	427.89	427.91
12.500	427.92	427.93	427.93	427.92	427.92
12.750	427.91	427.90	427.90	427.89	427.88
13.000	427.87	427.86	427.85	427.84	427.83
13.250	427.82	427.81	427.80	427.79	427.77
13.500	427.76	427.75	427.73	427.72	427.71
13.750	427.70	427.68	427.67	427.65	427.64
14.000	427.62	427.61	427.59	427.58	427.56
14.250	427.55	427.53	427.52	427.50	427.49
14.500	427.47	427.45	427.44	427.42	427.40
14.750	427.39	427.37	427.35	427.34	427.32
15.000	427.30	427.29	427.27	427.25	427.24
15.250	427.22	427.20	427.18	427.16	427.15
15.500	427.13	427.11	427.09	427.07	427.06
15.750	427.04	427.03	427.03	427.02	427.02
16.000	427.02	427.02	427.01	427.01	427.01
16.250	427.02	427.01	427.01	427.01	427.02
16.500	427.01	427.01	427.01	427.01	427.01
16.750	427.01	427.01	427.01	427.01	427.01
17.000	427.01	427.01	427.01	427.01	427.01
17.250	427.01	427.01	427.01	427.01	427.01
17.500	427.01	427.01	427.01	427.01	427.01
17.750	427.01	427.01	427.01	427.01	427.01
18.000	427.01	427.01	427.01	427.01	427.01
18.250	427.01	427.01	427.01	427.01	427.01
18.500	427.01	427.01	427.01	427.01	427.01
18.750	427.01	427.01	427.01	427.01	427.01
19.000	427.01	427.01	427.01	427.01	427.01
19.250	427.01	427.01	427.01	427.01	427.01
19.500	427.01	427.01	427.01	427.01	427.01
19.750	427.01	427.01	427.01	427.01	427.01
20.000	427.01	427.01	427.01	427.01	427.01
20.250	427.01	427.01	427.01	427.01	427.01
20.500	427.01	427.01	427.01	427.01	427.01
20.750	427.01	427.01	427.01	427.01	427.01

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
21.000	427.01	427.01	427.01	427.01	427.01
21.250	427.01	427.01	427.01	427.01	427.01
21.500	427.01	427.01	427.01	427.01	427.01
21.750	427.01	427.01	427.01	427.01	427.01
22.000	427.01	427.01	427.01	427.01	427.01
22.250	427.01	427.01	427.01	427.01	427.01
22.500	427.01	427.01	427.01	427.01	427.01
22.750	427.01	427.01	427.01	427.01	427.01
23.000	427.01	427.01	427.01	427.01	427.01
23.250	427.01	427.01	427.01	427.01	427.01
23.500	427.01	427.01	427.01	427.01	427.01
23.750	427.01	427.01	427.01	427.01	427.01
24.000	427.01	427.01	427.01	427.00	427.00
24.250	427.00	427.00	427.00	427.00	427.00
24.500	427.00	427.00	427.00	427.00	427.00
24.750	427.00	427.00	427.00	427.00	427.00
25.000	427.00	427.00	427.00	427.00	427.00
25.250	427.00	427.00	427.00	427.00	427.00
25.500	427.00	427.00	427.00	427.00	427.00
25.750	427.00	427.00	427.00	427.00	427.00
26.000	427.00	427.00	427.00	427.00	427.00
26.250	427.00	427.00	427.00	427.00	427.00
26.500	427.00	427.00	427.00	427.00	427.00
26.750	427.00	427.00	427.00	427.00	427.00
27.000	427.00	427.00	427.00	427.00	427.00
27.250	427.00	427.00	427.00	427.00	427.00
27.500	427.00	427.00	427.00	427.00	427.00
27.750	427.00	427.00	427.00	427.00	427.00
28.000	427.00	427.00	427.00	427.00	427.00
28.250	427.00	427.00	427.00	427.00	427.00
28.500	427.00	427.00	427.00	427.00	427.00
28.750	427.00	427.00	427.00	427.00	427.00
29.000	427.00	427.00	427.00	427.00	427.00
29.250	427.00	427.00	427.00	427.00	427.00
29.500	427.00	427.00	427.00	427.00	427.00
29.750	427.00	427.00	427.00	427.00	427.00
30.000	427.00	427.00	427.00	427.00	427.00
30.250	427.00	427.00	427.00	427.00	427.00
30.500	427.00	427.00	427.00	427.00	427.00
30.750	427.00	427.00	427.00	427.00	427.00
31.000	427.00	427.00	427.00	427.00	427.00
31.250	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
31.500	427.00	427.00	427.00	427.00	427.00
31.750	427.00	427.00	427.00	427.00	427.00
32.000	427.00	427.00	427.00	427.00	427.00
32.250	427.00	427.00	427.00	427.00	427.00
32.500	427.00	427.00	427.00	427.00	427.00
32.750	427.00	427.00	427.00	427.00	427.00
33.000	427.00	427.00	427.00	427.00	427.00
33.250	427.00	427.00	427.00	427.00	427.00
33.500	427.00	427.00	427.00	427.00	427.00
33.750	427.00	427.00	427.00	427.00	427.00
34.000	427.00	427.00	427.00	427.00	427.00
34.250	427.00	427.00	427.00	427.00	427.00
34.500	427.00	427.00	427.00	427.00	427.00
34.750	427.00	427.00	427.00	427.00	427.00
35.000	427.00	427.00	427.00	427.00	427.00
35.250	427.00	427.00	427.00	427.00	427.00
35.500	427.00	427.00	427.00	427.00	427.00
35.750	427.00	427.00	427.00	427.00	427.00
36.000	427.00	427.00	427.00	427.00	427.00
36.250	427.00	427.00	427.00	427.00	427.00
36.500	427.00	427.00	427.00	427.00	427.00
36.750	427.00	427.00	427.00	427.00	427.00
37.000	427.00	427.00	427.00	427.00	427.00
37.250	427.00	427.00	427.00	427.00	427.00
37.500	427.00	427.00	427.00	427.00	427.00
37.750	427.00	427.00	427.00	427.00	427.00
38.000	427.00	427.00	427.00	427.00	427.00
38.250	427.00	427.00	427.00	427.00	427.00
38.500	427.00	427.00	427.00	427.00	427.00
38.750	427.00	427.00	427.00	427.00	427.00
39.000	427.00	427.00	427.00	427.00	427.00
39.250	427.00	427.00	427.00	427.00	427.00
39.500	427.00	427.00	427.00	427.00	427.00
39.750	427.00	427.00	427.00	427.00	427.00
40.000	427.00	427.00	427.00	427.00	427.00
40.250	427.00	427.00	427.00	427.00	427.00
40.500	427.00	427.00	427.00	427.00	427.00
40.750	427.00	427.00	427.00	427.00	427.00
41.000	427.00	427.00	427.00	427.00	427.00
41.250	427.00	427.00	427.00	427.00	427.00
41.500	427.00	427.00	427.00	427.00	427.00
41.750	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
42.000	427.00	427.00	427.00	427.00	427.00
42.250	427.00	427.00	427.00	427.00	427.00
42.500	427.00	427.00	427.00	427.00	427.00
42.750	427.00	427.00	427.00	427.00	427.00
43.000	427.00	427.00	427.00	427.00	427.00
43.250	427.00	427.00	427.00	427.00	427.00
43.500	427.00	427.00	427.00	427.00	427.00
43.750	427.00	427.00	427.00	427.00	427.00
44.000	427.00	427.00	427.00	427.00	427.00
44.250	427.00	427.00	427.00	427.00	427.00
44.500	427.00	427.00	427.00	427.00	427.00
44.750	427.00	427.00	427.00	427.00	427.00
45.000	427.00	427.00	427.00	427.00	427.00
45.250	427.00	427.00	427.00	427.00	427.00
45.500	427.00	427.00	427.00	427.00	427.00
45.750	427.00	427.00	427.00	427.00	427.00
46.000	427.00	427.00	427.00	427.00	427.00
46.250	427.00	427.00	427.00	427.00	427.00
46.500	427.00	427.00	427.00	427.00	427.00
46.750	427.00	427.00	427.00	427.00	427.00
47.000	427.00	427.00	427.00	427.00	427.00
47.250	427.00	427.00	427.00	427.00	427.00
47.500	427.00	427.00	427.00	427.00	427.00
47.750	427.00	427.00	427.00	427.00	427.00
48.000	427.00	427.00	427.00	427.00	427.00
48.250	427.00	427.00	427.00	427.00	427.00
48.500	427.00	427.00	427.00	427.00	427.00
48.750	427.00	427.00	427.00	427.00	427.00
49.000	427.00	427.00	427.00	427.00	427.00
49.250	427.00	427.00	427.00	427.00	427.00
49.500	427.00	427.00	427.00	427.00	427.00
49.750	427.00	427.00	427.00	427.00	427.00
50.000	427.00	427.00	427.00	427.00	427.00
50.250	427.00	427.00	427.00	427.00	427.00
50.500	427.00	427.00	427.00	427.00	427.00
50.750	427.00	427.00	427.00	427.00	427.00
51.000	427.00	427.00	427.00	427.00	427.00
51.250	427.00	427.00	427.00	427.00	427.00
51.500	427.00	427.00	427.00	427.00	427.00
51.750	427.00	427.00	427.00	427.00	427.00
52.000	427.00	427.00	427.00	427.00	427.00
52.250	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
52.500	427.00	427.00	427.00	427.00	427.00
52.750	427.00	427.00	427.00	427.00	427.00
53.000	427.00	427.00	427.00	427.00	427.00
53.250	427.00	427.00	427.00	427.00	427.00
53.500	427.00	427.00	427.00	427.00	427.00
53.750	427.00	427.00	427.00	427.00	427.00
54.000	427.00	427.00	427.00	427.00	427.00
54.250	427.00	427.00	427.00	427.00	427.00
54.500	427.00	427.00	427.00	427.00	427.00
54.750	427.00	427.00	427.00	427.00	427.00
55.000	427.00	427.00	427.00	427.00	427.00
55.250	427.00	427.00	427.00	427.00	427.00
55.500	427.00	427.00	427.00	427.00	427.00
55.750	427.00	427.00	427.00	427.00	427.00
56.000	427.00	427.00	427.00	427.00	427.00
56.250	427.00	427.00	427.00	427.00	427.00
56.500	427.00	427.00	427.00	427.00	427.00
56.750	427.00	427.00	427.00	427.00	427.00
57.000	427.00	427.00	427.00	427.00	427.00
57.250	427.00	427.00	427.00	427.00	427.00
57.500	427.00	427.00	427.00	427.00	427.00
57.750	427.00	427.00	427.00	427.00	427.00
58.000	427.00	427.00	427.00	427.00	427.00
58.250	427.00	427.00	427.00	427.00	427.00
58.500	427.00	427.00	427.00	427.00	427.00
58.750	427.00	427.00	427.00	427.00	427.00
59.000	427.00	427.00	427.00	427.00	427.00
59.250	427.00	427.00	427.00	427.00	427.00
59.500	427.00	427.00	427.00	427.00	427.00
59.750	427.00	427.00	427.00	427.00	427.00
60.000	427.00	427.00	427.00	427.00	427.00
60.250	427.00	427.00	427.00	427.00	427.00
60.500	427.00	427.00	427.00	427.00	427.00
60.750	427.00	427.00	427.00	427.00	427.00
61.000	427.00	427.00	427.00	427.00	427.00
61.250	427.00	427.00	427.00	427.00	427.00
61.500	427.00	427.00	427.00	427.00	427.00
61.750	427.00	427.00	427.00	427.00	427.00
62.000	427.00	427.00	427.00	427.00	427.00
62.250	427.00	427.00	427.00	427.00	427.00
62.500	427.00	427.00	427.00	427.00	427.00
62.750	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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)
63.000	427.00	427.00	427.00	427.00	427.00
63.250	427.00	427.00	427.00	427.00	427.00
63.500	427.00	427.00	427.00	427.00	427.00
63.750	427.00	427.00	427.00	427.00	427.00
64.000	427.00	427.00	427.00	427.00	427.00
64.250	427.00	427.00	427.00	427.00	427.00
64.500	427.00	427.00	427.00	427.00	427.00
64.750	427.00	427.00	427.00	427.00	427.00
65.000	427.00	427.00	427.00	427.00	427.00
65.250	427.00	427.00	427.00	427.00	427.00
65.500	427.00	427.00	427.00	427.00	427.00
65.750	427.00	427.00	427.00	427.00	427.00
66.000	427.00	427.00	427.00	427.00	427.00
66.250	427.00	427.00	427.00	427.00	427.00
66.500	427.00	427.00	427.00	427.00	427.00
66.750	427.00	427.00	427.00	427.00	427.00
67.000	427.00	427.00	427.00	427.00	427.00
67.250	427.00	427.00	427.00	427.00	427.00
67.500	427.00	427.00	427.00	427.00	427.00
67.750	427.00	427.00	427.00	427.00	427.00
68.000	427.00	427.00	427.00	427.00	427.00
68.250	427.00	427.00	427.00	427.00	427.00
68.500	427.00	427.00	427.00	427.00	427.00
68.750	427.00	427.00	427.00	427.00	427.00
69.000	427.00	427.00	427.00	427.00	427.00
69.250	427.00	427.00	427.00	427.00	427.00
69.500	427.00	427.00	427.00	427.00	427.00
69.750	427.00	427.00	427.00	427.00	427.00
70.000	427.00	427.00	427.00	427.00	427.00
70.250	427.00	427.00	427.00	427.00	427.00
70.500	427.00	427.00	427.00	427.00	427.00
70.750	427.00	427.00	427.00	427.00	427.00
71.000	427.00	427.00	427.00	427.00	427.00
71.250	427.00	427.00	427.00	427.00	427.00
71.500	427.00	427.00	427.00	427.00	427.00
71.750	427.00	427.00	427.00	427.00	427.00
72.000	427.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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	427.00	427.00	427.00	427.00	427.00
0.250	427.00	427.00	427.00	427.00	427.00
0.500	427.00	427.00	427.00	427.00	427.00
0.750	427.00	427.00	427.00	427.00	427.00
1.000	427.00	427.00	427.00	427.00	427.00
1.250	427.00	427.00	427.00	427.00	427.00
1.500	427.00	427.00	427.00	427.00	427.00
1.750	427.00	427.00	427.00	427.00	427.00
2.000	427.00	427.00	427.00	427.00	427.00
2.250	427.00	427.00	427.00	427.00	427.00
2.500	427.00	427.00	427.00	427.00	427.00
2.750	427.00	427.00	427.00	427.00	427.00
3.000	427.00	427.00	427.00	427.00	427.00
3.250	427.00	427.00	427.00	427.00	427.00
3.500	427.00	427.00	427.00	427.00	427.00
3.750	427.00	427.00	427.00	427.00	427.00
4.000	427.00	427.00	427.00	427.00	427.00
4.250	427.00	427.00	427.00	427.00	427.00
4.500	427.00	427.00	427.00	427.00	427.00
4.750	427.00	427.00	427.00	427.00	427.00
5.000	427.00	427.00	427.00	427.00	427.00
5.250	427.00	427.00	427.00	427.00	427.00
5.500	427.00	427.00	427.00	427.00	427.00
5.750	427.01	427.01	427.01	427.01	427.01
6.000	427.01	427.01	427.01	427.01	427.01
6.250	427.01	427.01	427.01	427.01	427.01
6.500	427.01	427.01	427.01	427.01	427.01
6.750	427.01	427.01	427.01	427.01	427.01
7.000	427.01	427.01	427.01	427.01	427.01
7.250	427.01	427.01	427.01	427.01	427.01
7.500	427.01	427.01	427.01	427.01	427.01
7.750	427.01	427.01	427.01	427.01	427.01
8.000	427.01	427.01	427.01	427.01	427.01
8.250	427.02	427.02	427.02	427.02	427.02
8.500	427.02	427.02	427.02	427.02	427.02
8.750	427.02	427.02	427.02	427.02	427.02
9.000	427.02	427.02	427.02	427.02	427.02
9.250	427.02	427.02	427.02	427.02	427.02
9.500	427.03	427.03	427.03	427.03	427.03
9.750	427.03	427.03	427.03	427.03	427.03
10.000	427.03	427.03	427.03	427.03	427.03
10.250	427.03	427.03	427.04	427.04	427.04

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
10.500	427.04	427.04	427.04	427.04	427.05
10.750	427.05	427.05	427.05	427.05	427.06
11.000	427.06	427.07	427.07	427.08	427.09
11.250	427.10	427.11	427.13	427.14	427.17
11.500	427.19	427.22	427.27	427.34	427.41
11.750	427.50	427.59	427.69	427.82	428.00
12.000	428.24	428.41	428.44	428.38	428.32
12.250	428.27	428.23	428.20	428.17	428.16
12.500	428.14	428.12	428.10	428.07	428.05
12.750	428.03	428.02	428.01	428.00	428.00
13.000	427.99	427.98	427.98	427.97	427.97
13.250	427.96	427.96	427.96	427.95	427.95
13.500	427.94	427.94	427.94	427.94	427.93
13.750	427.93	427.93	427.92	427.92	427.92
14.000	427.91	427.91	427.91	427.91	427.90
14.250	427.90	427.90	427.89	427.89	427.89
14.500	427.89	427.88	427.87	427.87	427.86
14.750	427.86	427.85	427.85	427.84	427.84
15.000	427.83	427.82	427.82	427.81	427.80
15.250	427.79	427.79	427.78	427.77	427.76
15.500	427.76	427.75	427.74	427.73	427.72
15.750	427.71	427.70	427.69	427.68	427.68
16.000	427.67	427.66	427.65	427.64	427.63
16.250	427.62	427.61	427.60	427.59	427.58
16.500	427.57	427.56	427.55	427.54	427.53
16.750	427.51	427.50	427.49	427.48	427.47
17.000	427.46	427.45	427.44	427.42	427.41
17.250	427.40	427.39	427.38	427.36	427.35
17.500	427.34	427.33	427.32	427.31	427.30
17.750	427.29	427.27	427.26	427.24	427.23
18.000	427.22	427.21	427.20	427.18	427.17
18.250	427.15	427.14	427.13	427.12	427.11
18.500	427.09	427.08	427.07	427.06	427.05
18.750	427.04	427.03	427.03	427.03	427.02
19.000	427.02	427.02	427.02	427.02	427.03
19.250	427.03	427.03	427.03	427.02	427.02
19.500	427.02	427.02	427.02	427.02	427.02
19.750	427.02	427.02	427.02	427.02	427.02
20.000	427.02	427.02	427.02	427.02	427.02
20.250	427.02	427.02	427.02	427.02	427.02
20.500	427.02	427.02	427.02	427.02	427.02
20.750	427.02	427.02	427.02	427.02	427.02

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
21.000	427.02	427.02	427.02	427.02	427.02
21.250	427.02	427.02	427.02	427.02	427.02
21.500	427.02	427.02	427.02	427.02	427.02
21.750	427.02	427.02	427.02	427.02	427.02
22.000	427.02	427.02	427.02	427.02	427.02
22.250	427.02	427.02	427.02	427.02	427.02
22.500	427.02	427.02	427.02	427.02	427.02
22.750	427.02	427.02	427.02	427.02	427.02
23.000	427.02	427.02	427.02	427.02	427.02
23.250	427.02	427.02	427.02	427.02	427.02
23.500	427.02	427.02	427.02	427.02	427.02
23.750	427.02	427.02	427.02	427.02	427.02
24.000	427.02	427.02	427.01	427.01	427.01
24.250	427.00	427.00	427.00	427.00	427.00
24.500	427.00	427.00	427.00	427.00	427.00
24.750	427.00	427.00	427.00	427.00	427.00
25.000	427.00	427.00	427.00	427.00	427.00
25.250	427.00	427.00	427.00	427.00	427.00
25.500	427.00	427.00	427.00	427.00	427.00
25.750	427.00	427.00	427.00	427.00	427.00
26.000	427.00	427.00	427.00	427.00	427.00
26.250	427.00	427.00	427.00	427.00	427.00
26.500	427.00	427.00	427.00	427.00	427.00
26.750	427.00	427.00	427.00	427.00	427.00
27.000	427.00	427.00	427.00	427.00	427.00
27.250	427.00	427.00	427.00	427.00	427.00
27.500	427.00	427.00	427.00	427.00	427.00
27.750	427.00	427.00	427.00	427.00	427.00
28.000	427.00	427.00	427.00	427.00	427.00
28.250	427.00	427.00	427.00	427.00	427.00
28.500	427.00	427.00	427.00	427.00	427.00
28.750	427.00	427.00	427.00	427.00	427.00
29.000	427.00	427.00	427.00	427.00	427.00
29.250	427.00	427.00	427.00	427.00	427.00
29.500	427.00	427.00	427.00	427.00	427.00
29.750	427.00	427.00	427.00	427.00	427.00
30.000	427.00	427.00	427.00	427.00	427.00
30.250	427.00	427.00	427.00	427.00	427.00
30.500	427.00	427.00	427.00	427.00	427.00
30.750	427.00	427.00	427.00	427.00	427.00
31.000	427.00	427.00	427.00	427.00	427.00
31.250	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
31.500	427.00	427.00	427.00	427.00	427.00
31.750	427.00	427.00	427.00	427.00	427.00
32.000	427.00	427.00	427.00	427.00	427.00
32.250	427.00	427.00	427.00	427.00	427.00
32.500	427.00	427.00	427.00	427.00	427.00
32.750	427.00	427.00	427.00	427.00	427.00
33.000	427.00	427.00	427.00	427.00	427.00
33.250	427.00	427.00	427.00	427.00	427.00
33.500	427.00	427.00	427.00	427.00	427.00
33.750	427.00	427.00	427.00	427.00	427.00
34.000	427.00	427.00	427.00	427.00	427.00
34.250	427.00	427.00	427.00	427.00	427.00
34.500	427.00	427.00	427.00	427.00	427.00
34.750	427.00	427.00	427.00	427.00	427.00
35.000	427.00	427.00	427.00	427.00	427.00
35.250	427.00	427.00	427.00	427.00	427.00
35.500	427.00	427.00	427.00	427.00	427.00
35.750	427.00	427.00	427.00	427.00	427.00
36.000	427.00	427.00	427.00	427.00	427.00
36.250	427.00	427.00	427.00	427.00	427.00
36.500	427.00	427.00	427.00	427.00	427.00
36.750	427.00	427.00	427.00	427.00	427.00
37.000	427.00	427.00	427.00	427.00	427.00
37.250	427.00	427.00	427.00	427.00	427.00
37.500	427.00	427.00	427.00	427.00	427.00
37.750	427.00	427.00	427.00	427.00	427.00
38.000	427.00	427.00	427.00	427.00	427.00
38.250	427.00	427.00	427.00	427.00	427.00
38.500	427.00	427.00	427.00	427.00	427.00
38.750	427.00	427.00	427.00	427.00	427.00
39.000	427.00	427.00	427.00	427.00	427.00
39.250	427.00	427.00	427.00	427.00	427.00
39.500	427.00	427.00	427.00	427.00	427.00
39.750	427.00	427.00	427.00	427.00	427.00
40.000	427.00	427.00	427.00	427.00	427.00
40.250	427.00	427.00	427.00	427.00	427.00
40.500	427.00	427.00	427.00	427.00	427.00
40.750	427.00	427.00	427.00	427.00	427.00
41.000	427.00	427.00	427.00	427.00	427.00
41.250	427.00	427.00	427.00	427.00	427.00
41.500	427.00	427.00	427.00	427.00	427.00
41.750	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
42.000	427.00	427.00	427.00	427.00	427.00
42.250	427.00	427.00	427.00	427.00	427.00
42.500	427.00	427.00	427.00	427.00	427.00
42.750	427.00	427.00	427.00	427.00	427.00
43.000	427.00	427.00	427.00	427.00	427.00
43.250	427.00	427.00	427.00	427.00	427.00
43.500	427.00	427.00	427.00	427.00	427.00
43.750	427.00	427.00	427.00	427.00	427.00
44.000	427.00	427.00	427.00	427.00	427.00
44.250	427.00	427.00	427.00	427.00	427.00
44.500	427.00	427.00	427.00	427.00	427.00
44.750	427.00	427.00	427.00	427.00	427.00
45.000	427.00	427.00	427.00	427.00	427.00
45.250	427.00	427.00	427.00	427.00	427.00
45.500	427.00	427.00	427.00	427.00	427.00
45.750	427.00	427.00	427.00	427.00	427.00
46.000	427.00	427.00	427.00	427.00	427.00
46.250	427.00	427.00	427.00	427.00	427.00
46.500	427.00	427.00	427.00	427.00	427.00
46.750	427.00	427.00	427.00	427.00	427.00
47.000	427.00	427.00	427.00	427.00	427.00
47.250	427.00	427.00	427.00	427.00	427.00
47.500	427.00	427.00	427.00	427.00	427.00
47.750	427.00	427.00	427.00	427.00	427.00
48.000	427.00	427.00	427.00	427.00	427.00
48.250	427.00	427.00	427.00	427.00	427.00
48.500	427.00	427.00	427.00	427.00	427.00
48.750	427.00	427.00	427.00	427.00	427.00
49.000	427.00	427.00	427.00	427.00	427.00
49.250	427.00	427.00	427.00	427.00	427.00
49.500	427.00	427.00	427.00	427.00	427.00
49.750	427.00	427.00	427.00	427.00	427.00
50.000	427.00	427.00	427.00	427.00	427.00
50.250	427.00	427.00	427.00	427.00	427.00
50.500	427.00	427.00	427.00	427.00	427.00
50.750	427.00	427.00	427.00	427.00	427.00
51.000	427.00	427.00	427.00	427.00	427.00
51.250	427.00	427.00	427.00	427.00	427.00
51.500	427.00	427.00	427.00	427.00	427.00
51.750	427.00	427.00	427.00	427.00	427.00
52.000	427.00	427.00	427.00	427.00	427.00
52.250	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
52.500	427.00	427.00	427.00	427.00	427.00
52.750	427.00	427.00	427.00	427.00	427.00
53.000	427.00	427.00	427.00	427.00	427.00
53.250	427.00	427.00	427.00	427.00	427.00
53.500	427.00	427.00	427.00	427.00	427.00
53.750	427.00	427.00	427.00	427.00	427.00
54.000	427.00	427.00	427.00	427.00	427.00
54.250	427.00	427.00	427.00	427.00	427.00
54.500	427.00	427.00	427.00	427.00	427.00
54.750	427.00	427.00	427.00	427.00	427.00
55.000	427.00	427.00	427.00	427.00	427.00
55.250	427.00	427.00	427.00	427.00	427.00
55.500	427.00	427.00	427.00	427.00	427.00
55.750	427.00	427.00	427.00	427.00	427.00
56.000	427.00	427.00	427.00	427.00	427.00
56.250	427.00	427.00	427.00	427.00	427.00
56.500	427.00	427.00	427.00	427.00	427.00
56.750	427.00	427.00	427.00	427.00	427.00
57.000	427.00	427.00	427.00	427.00	427.00
57.250	427.00	427.00	427.00	427.00	427.00
57.500	427.00	427.00	427.00	427.00	427.00
57.750	427.00	427.00	427.00	427.00	427.00
58.000	427.00	427.00	427.00	427.00	427.00
58.250	427.00	427.00	427.00	427.00	427.00
58.500	427.00	427.00	427.00	427.00	427.00
58.750	427.00	427.00	427.00	427.00	427.00
59.000	427.00	427.00	427.00	427.00	427.00
59.250	427.00	427.00	427.00	427.00	427.00
59.500	427.00	427.00	427.00	427.00	427.00
59.750	427.00	427.00	427.00	427.00	427.00
60.000	427.00	427.00	427.00	427.00	427.00
60.250	427.00	427.00	427.00	427.00	427.00
60.500	427.00	427.00	427.00	427.00	427.00
60.750	427.00	427.00	427.00	427.00	427.00
61.000	427.00	427.00	427.00	427.00	427.00
61.250	427.00	427.00	427.00	427.00	427.00
61.500	427.00	427.00	427.00	427.00	427.00
61.750	427.00	427.00	427.00	427.00	427.00
62.000	427.00	427.00	427.00	427.00	427.00
62.250	427.00	427.00	427.00	427.00	427.00
62.500	427.00	427.00	427.00	427.00	427.00
62.750	427.00	427.00	427.00	427.00	427.00

Subsection: Time vs. Elevation
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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)
63.000	427.00	427.00	427.00	427.00	427.00
63.250	427.00	427.00	427.00	427.00	427.00
63.500	427.00	427.00	427.00	427.00	427.00
63.750	427.00	427.00	427.00	427.00	427.00
64.000	427.00	427.00	427.00	427.00	427.00
64.250	427.00	427.00	427.00	427.00	427.00
64.500	427.00	427.00	427.00	427.00	427.00
64.750	427.00	427.00	427.00	427.00	427.00
65.000	427.00	427.00	427.00	427.00	427.00
65.250	427.00	427.00	427.00	427.00	427.00
65.500	427.00	427.00	427.00	427.00	427.00
65.750	427.00	427.00	427.00	427.00	427.00
66.000	427.00	427.00	427.00	427.00	427.00
66.250	427.00	427.00	427.00	427.00	427.00
66.500	427.00	427.00	427.00	427.00	427.00
66.750	427.00	427.00	427.00	427.00	427.00
67.000	427.00	427.00	427.00	427.00	427.00
67.250	427.00	427.00	427.00	427.00	427.00
67.500	427.00	427.00	427.00	427.00	427.00
67.750	427.00	427.00	427.00	427.00	427.00
68.000	427.00	427.00	427.00	427.00	427.00
68.250	427.00	427.00	427.00	427.00	427.00
68.500	427.00	427.00	427.00	427.00	427.00
68.750	427.00	427.00	427.00	427.00	427.00
69.000	427.00	427.00	427.00	427.00	427.00
69.250	427.00	427.00	427.00	427.00	427.00
69.500	427.00	427.00	427.00	427.00	427.00
69.750	427.00	427.00	427.00	427.00	427.00
70.000	427.00	427.00	427.00	427.00	427.00
70.250	427.00	427.00	427.00	427.00	427.00
70.500	427.00	427.00	427.00	427.00	427.00
70.750	427.00	427.00	427.00	427.00	427.00
71.000	427.00	427.00	427.00	427.00	427.00
71.250	427.00	427.00	427.00	427.00	427.00
71.500	427.00	427.00	427.00	427.00	427.00
71.750	427.00	427.00	427.00	427.00	427.00
72.000	427.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	1.000	3.000
9.750	4.000	4.000	4.000	5.000	5.000
10.000	5.000	6.000	9.000	11.000	11.000
10.250	10.000	10.000	11.000	14.000	17.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	16.000	16.000	19.000	23.000	26.000
10.750	27.000	24.000	22.000	25.000	30.000
11.000	33.000	38.000	46.000	52.000	52.000
11.250	52.000	58.000	63.000	62.000	64.000
11.500	78.000	98.000	120.000	146.000	180.000
11.750	218.000	255.000	302.000	366.000	600.000
12.000	1,335.000	2,340.000	3,042.000	3,406.000	3,582.000
12.250	3,641.000	3,637.000	3,592.000	3,521.000	3,435.000
12.500	3,349.000	3,234.000	3,050.000	2,817.000	2,574.000
12.750	2,320.000	2,042.000	1,749.000	1,454.000	1,160.000
13.000	867.000	577.000	359.000	253.000	204.000
13.250	182.000	172.000	167.000	166.000	157.000
13.500	134.000	119.000	127.000	136.000	124.000
13.750	114.000	126.000	136.000	124.000	107.000
14.000	95.000	89.000	87.000	94.000	116.000
14.250	132.000	123.000	107.000	96.000	90.000
14.500	87.000	86.000	86.000	86.000	86.000
14.750	86.000	86.000	86.000	86.000	86.000
15.000	86.000	86.000	86.000	86.000	86.000
15.250	86.000	87.000	87.000	87.000	87.000
15.500	87.000	78.000	54.000	38.000	47.000
15.750	65.000	76.000	82.000	85.000	86.000
16.000	87.000	79.000	55.000	39.000	48.000
16.250	65.000	77.000	83.000	86.000	78.000
16.500	55.000	39.000	48.000	66.000	77.000
16.750	74.000	53.000	38.000	48.000	66.000
17.000	77.000	74.000	53.000	38.000	48.000
17.250	66.000	77.000	75.000	53.000	38.000
17.500	48.000	66.000	78.000	75.000	53.000
17.750	38.000	48.000	57.000	44.000	34.000
18.000	46.000	65.000	78.000	75.000	54.000
18.250	38.000	49.000	58.000	45.000	34.000
18.500	47.000	57.000	44.000	34.000	47.000
18.750	57.000	44.000	34.000	47.000	66.000
19.000	78.000	76.000	54.000	39.000	49.000
19.250	58.000	45.000	34.000	47.000	57.000
19.500	45.000	34.000	47.000	57.000	45.000
19.750	34.000	47.000	57.000	45.000	34.000
20.000	47.000	57.000	45.000	25.000	13.000
20.250	15.000	37.000	53.000	43.000	33.000
20.500	47.000	57.000	45.000	34.000	47.000
20.750	58.000	45.000	35.000	47.000	58.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	45.000	35.000	47.000	58.000	45.000
21.250	25.000	13.000	15.000	38.000	53.000
21.500	43.000	34.000	47.000	58.000	45.000
21.750	35.000	48.000	58.000	45.000	26.000
22.000	13.000	16.000	38.000	54.000	43.000
22.250	34.000	47.000	58.000	45.000	26.000
22.500	13.000	16.000	38.000	54.000	43.000
22.750	34.000	48.000	58.000	46.000	26.000
23.000	13.000	16.000	38.000	54.000	43.000
23.250	25.000	12.000	15.000	38.000	54.000
23.500	44.000	34.000	48.000	59.000	46.000
23.750	26.000	13.000	16.000	38.000	54.000
24.000	44.000	25.000	13.000	6.000	3.000
24.250	1.000	0.000	0.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	1.000
6.250	2.000	4.000	5.000	6.000	6.000
6.500	6.000	6.000	6.000	7.000	10.000
6.750	12.000	12.000	11.000	11.000	12.000
7.000	15.000	18.000	17.000	16.000	15.000
7.250	16.000	20.000	23.000	22.000	20.000
7.500	18.000	20.000	24.000	28.000	27.000
7.750	26.000	30.000	33.000	31.000	29.000
8.000	33.000	37.000	34.000	32.000	36.000
8.250	40.000	37.000	35.000	40.000	46.000
8.500	51.000	54.000	57.000	55.000	48.000
8.750	44.000	48.000	55.000	60.000	63.000
9.000	66.000	67.000	69.000	70.000	71.000
9.250	73.000	74.000	75.000	76.000	77.000
9.500	79.000	80.000	81.000	82.000	83.000
9.750	84.000	85.000	91.000	104.000	114.000
10.000	111.000	108.000	116.000	123.000	118.000
10.250	114.000	123.000	135.000	144.000	149.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	153.000	156.000	158.000	160.000	162.000
10.750	170.000	188.000	201.000	197.000	194.000
11.000	205.000	221.000	232.000	245.000	268.000
11.250	290.000	305.000	315.000	322.000	335.000
11.500	359.000	419.000	534.000	705.000	945.000
11.750	1,257.000	1,641.000	2,134.000	2,781.000	4,069.000
12.000	6,650.000	9,722.000	12,004.000	13,489.000	14,544.000
12.250	15,320.000	15,923.000	16,418.000	16,861.000	17,253.000
12.500	17,577.000	17,801.000	17,886.000	17,865.000	17,790.000
12.750	17,689.000	17,583.000	17,462.000	17,309.000	17,136.000
13.000	16,957.000	16,779.000	16,601.000	16,426.000	16,251.000
13.250	16,063.000	15,843.000	15,601.000	15,355.000	15,110.000
13.500	14,865.000	14,622.000	14,381.000	14,140.000	13,902.000
13.750	13,664.000	13,428.000	13,179.000	12,897.000	12,608.000
14.000	12,349.000	12,098.000	11,821.000	11,523.000	11,221.000
14.250	10,934.000	10,683.000	10,441.000	10,172.000	9,883.000
14.500	9,590.000	9,297.000	9,005.000	8,716.000	8,427.000
14.750	8,140.000	7,854.000	7,571.000	7,288.000	7,007.000
15.000	6,727.000	6,449.000	6,173.000	5,898.000	5,624.000
15.250	5,337.000	5,017.000	4,691.000	4,394.000	4,121.000
15.500	3,856.000	3,577.000	3,267.000	2,950.000	2,662.000
15.750	2,399.000	2,142.000	1,873.000	1,572.000	1,263.000
16.000	985.000	715.000	456.000	287.000	230.000
16.250	209.000	178.000	159.000	171.000	182.000
16.500	166.000	142.000	126.000	130.000	156.000
16.750	175.000	163.000	140.000	126.000	130.000
17.000	156.000	175.000	163.000	141.000	126.000
17.250	130.000	157.000	176.000	163.000	141.000
17.500	127.000	119.000	115.000	125.000	154.000
17.750	175.000	163.000	141.000	127.000	119.000
18.000	115.000	114.000	113.000	112.000	112.000
18.250	123.000	154.000	175.000	164.000	141.000
18.500	127.000	119.000	116.000	114.000	113.000
18.750	113.000	113.000	113.000	113.000	113.000
19.000	113.000	113.000	113.000	113.000	113.000
19.250	113.000	113.000	113.000	113.000	113.000
19.500	113.000	113.000	113.000	113.000	113.000
19.750	113.000	113.000	113.000	113.000	113.000
20.000	113.000	113.000	113.000	113.000	113.000
20.250	113.000	113.000	113.000	113.000	113.000
20.500	113.000	113.000	113.000	113.000	113.000
20.750	102.000	71.000	50.000	62.000	84.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	99.000	106.000	110.000	112.000	113.000
21.250	113.000	113.000	114.000	114.000	102.000
21.500	71.000	50.000	62.000	84.000	99.000
21.750	107.000	110.000	112.000	113.000	114.000
22.000	114.000	102.000	71.000	50.000	62.000
22.250	84.000	99.000	107.000	111.000	112.000
22.500	113.000	102.000	71.000	50.000	62.000
22.750	84.000	99.000	107.000	111.000	113.000
23.000	114.000	102.000	71.000	50.000	62.000
23.250	85.000	99.000	107.000	111.000	101.000
23.500	71.000	50.000	62.000	85.000	99.000
23.750	107.000	111.000	101.000	71.000	50.000
24.000	62.000	73.000	57.000	32.000	16.000
24.250	8.000	4.000	2.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	1.000	3.000	4.000
3.500	6.000	8.000	10.000	12.000	13.000
3.750	15.000	17.000	18.000	16.000	15.000
4.000	18.000	21.000	24.000	27.000	29.000
4.250	30.000	32.000	34.000	35.000	37.000
4.500	39.000	42.000	50.000	56.000	56.000
4.750	53.000	52.000	52.000	52.000	54.000
5.000	55.000	56.000	57.000	59.000	60.000
5.250	65.000	75.000	83.000	81.000	76.000
5.500	73.000	72.000	72.000	77.000	88.000
5.750	97.000	95.000	88.000	85.000	87.000
6.000	99.000	108.000	104.000	97.000	93.000
6.250	96.000	108.000	117.000	114.000	110.000
6.500	119.000	126.000	121.000	117.000	125.000
6.750	138.000	146.000	147.000	136.000	128.000
7.000	136.000	148.000	157.000	157.000	145.000
7.250	137.000	144.000	157.000	167.000	172.000
7.500	176.000	179.000	181.000	183.000	185.000
7.750	186.000	188.000	190.000	191.000	193.000
8.000	194.000	196.000	198.000	199.000	201.000
8.250	209.000	229.000	244.000	239.000	227.000
8.500	219.000	223.000	242.000	256.000	250.000
8.750	244.000	257.000	274.000	287.000	286.000
9.000	270.000	259.000	269.000	287.000	298.000
9.250	306.000	310.000	313.000	316.000	326.000
9.500	351.000	368.000	362.000	348.000	339.000
9.750	344.000	366.000	391.000	407.000	417.000
10.000	423.000	427.000	430.000	433.000	435.000
10.250	438.000	440.000	451.000	478.000	507.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	525.000	536.000	542.000	557.000	596.000
10.750	657.000	726.000	798.000	873.000	963.000
11.000	1,085.000	1,230.000	1,382.000	1,551.000	1,753.000
11.250	1,978.000	2,211.000	2,474.000	2,803.000	3,191.000
11.500	3,624.000	4,225.000	5,155.000	6,345.000	7,665.000
11.750	9,125.000	10,777.000	12,695.000	14,961.000	18,555.000
12.000	24,731.000	31,280.000	35,148.000	36,829.000	37,527.000
12.250	37,616.000	37,372.000	36,917.000	36,328.000	35,625.000
12.500	34,843.000	34,000.000	33,093.000	32,211.000	31,441.000
12.750	30,786.000	30,234.000	29,777.000	29,411.000	29,103.000
13.000	28,821.000	28,555.000	28,298.000	28,060.000	27,857.000
13.250	27,687.000	27,542.000	27,404.000	27,252.000	27,098.000
13.500	26,960.000	26,838.000	26,731.000	26,636.000	26,553.000
13.750	26,464.000	26,350.000	26,223.000	26,099.000	25,983.000
14.000	25,875.000	25,775.000	25,681.000	25,594.000	25,512.000
14.250	25,414.000	25,278.000	25,134.000	25,023.000	24,920.000
14.500	24,786.000	24,627.000	24,463.000	24,299.000	24,135.000
14.750	23,972.000	23,809.000	23,648.000	23,487.000	23,327.000
15.000	23,168.000	22,993.000	22,781.000	22,560.000	22,372.000
15.250	22,209.000	22,055.000	21,885.000	21,678.000	21,462.000
15.500	21,280.000	21,106.000	20,901.000	20,673.000	20,439.000
15.750	20,204.000	19,971.000	19,756.000	19,579.000	19,414.000
16.000	19,218.000	18,997.000	18,771.000	18,546.000	18,320.000
16.250	18,096.000	17,873.000	17,651.000	17,430.000	17,210.000
16.500	16,991.000	16,774.000	16,558.000	16,325.000	16,055.000
16.750	15,778.000	15,532.000	15,314.000	15,103.000	14,894.000
17.000	14,687.000	14,464.000	14,203.000	13,935.000	13,699.000
17.250	13,472.000	13,215.000	12,950.000	12,720.000	12,515.000
17.500	12,318.000	12,106.000	11,858.000	11,600.000	11,376.000
17.750	11,162.000	10,915.000	10,646.000	10,371.000	10,113.000
18.000	9,895.000	9,687.000	9,449.000	9,186.000	8,918.000
18.250	8,668.000	8,457.000	8,256.000	8,025.000	7,770.000
18.500	7,510.000	7,266.000	7,062.000	6,869.000	6,644.000
18.750	6,396.000	6,143.000	5,889.000	5,637.000	5,385.000
19.000	5,136.000	4,887.000	4,640.000	4,410.000	4,221.000
19.250	4,043.000	3,833.000	3,599.000	3,360.000	3,121.000
19.500	2,883.000	2,646.000	2,410.000	2,175.000	1,942.000
19.750	1,710.000	1,479.000	1,249.000	1,021.000	793.000
20.000	568.000	399.000	319.000	281.000	264.000
20.250	256.000	252.000	250.000	250.000	237.000
20.500	202.000	179.000	192.000	217.000	233.000
20.750	241.000	245.000	247.000	248.000	249.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	249.000	237.000	202.000	179.000	192.000
21.250	217.000	233.000	241.000	246.000	248.000
21.500	249.000	236.000	202.000	179.000	192.000
21.750	217.000	233.000	229.000	199.000	178.000
22.000	192.000	217.000	233.000	242.000	246.000
22.250	235.000	202.000	179.000	192.000	217.000
22.500	233.000	229.000	199.000	178.000	192.000
22.750	204.000	186.000	172.000	189.000	216.000
23.000	233.000	229.000	199.000	178.000	192.000
23.250	204.000	186.000	172.000	189.000	203.000
23.500	186.000	172.000	189.000	203.000	186.000
23.750	172.000	189.000	203.000	186.000	172.000
24.000	189.000	191.000	139.000	77.000	38.000
24.250	18.000	9.000	4.000	2.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 1D
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	2.000	3.000
7.250	4.000	4.000	4.000	5.000	8.000
7.500	10.000	12.000	15.000	16.000	15.000
7.750	13.000	15.000	18.000	21.000	25.000
8.000	28.000	29.000	26.000	23.000	24.000
8.250	28.000	32.000	36.000	40.000	43.000
8.500	46.000	49.000	52.000	52.000	46.000
8.750	40.000	41.000	45.000	51.000	55.000
9.000	60.000	63.000	67.000	70.000	73.000
9.250	76.000	78.000	81.000	83.000	85.000
9.500	87.000	89.000	91.000	98.000	113.000
9.750	128.000	133.000	130.000	127.000	125.000
10.000	123.000	127.000	142.000	158.000	161.000
10.250	157.000	152.000	153.000	167.000	182.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	184.000	184.000	195.000	214.000	232.000
10.750	242.000	236.000	228.000	235.000	252.000
11.000	268.000	289.000	324.000	357.000	371.000
11.250	380.000	403.000	426.000	431.000	441.000
11.500	485.000	555.000	640.000	744.000	889.000
11.750	1,085.000	1,324.000	1,630.000	2,033.000	2,889.000
12.000	4,692.000	6,878.000	8,503.000	9,549.000	10,281.000
12.250	10,822.000	11,260.000	11,629.000	11,954.000	12,255.000
12.500	12,552.000	12,802.000	12,947.000	13,017.000	13,070.000
12.750	13,103.000	13,100.000	13,072.000	13,038.000	13,003.000
13.000	12,968.000	12,933.000	12,898.000	12,864.000	12,830.000
13.250	12,797.000	12,764.000	12,731.000	12,698.000	12,650.000
13.500	12,564.000	12,470.000	12,406.000	12,351.000	12,265.000
13.750	12,171.000	12,109.000	12,055.000	11,970.000	11,860.000
14.000	11,745.000	11,628.000	11,512.000	11,412.000	11,350.000
14.250	11,298.000	11,215.000	11,107.000	10,993.000	10,878.000
14.500	10,763.000	10,649.000	10,534.000	10,421.000	10,306.000
14.750	10,192.000	10,079.000	9,965.000	9,852.000	9,740.000
15.000	9,627.000	9,515.000	9,402.000	9,290.000	9,178.000
15.250	9,067.000	8,955.000	8,845.000	8,734.000	8,623.000
15.500	8,512.000	8,385.000	8,220.000	8,046.000	7,903.000
15.750	7,786.000	7,675.000	7,566.000	7,457.000	7,349.000
16.000	7,241.000	7,116.000	6,953.000	6,780.000	6,640.000
16.250	6,525.000	6,416.000	6,310.000	6,203.000	6,080.000
16.500	5,919.000	5,748.000	5,609.000	5,496.000	5,389.000
16.750	5,267.000	5,107.000	4,937.000	4,800.000	4,689.000
17.000	4,583.000	4,462.000	4,303.000	4,135.000	3,999.000
17.250	3,889.000	3,785.000	3,666.000	3,508.000	3,341.000
17.500	3,206.000	3,098.000	2,995.000	2,877.000	2,720.000
17.750	2,555.000	2,421.000	2,297.000	2,139.000	1,974.000
18.000	1,841.000	1,735.000	1,635.000	1,519.000	1,365.000
18.250	1,201.000	1,070.000	947.000	793.000	645.000
18.500	555.000	493.000	416.000	348.000	324.000
18.750	312.000	274.000	237.000	237.000	260.000
19.000	284.000	288.000	257.000	224.000	227.000
19.250	237.000	215.000	191.000	201.000	217.000
19.500	200.000	179.000	192.000	210.000	194.000
19.750	175.000	189.000	207.000	192.000	173.000
20.000	187.000	206.000	191.000	157.000	124.000
20.250	113.000	139.000	168.000	162.000	149.000
20.500	169.000	192.000	180.000	164.000	180.000
20.750	201.000	187.000	169.000	185.000	204.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	190.000	172.000	186.000	206.000	191.000
21.250	157.000	124.000	113.000	139.000	168.000
21.500	162.000	150.000	169.000	193.000	181.000
21.750	164.000	181.000	202.000	188.000	155.000
22.000	122.000	112.000	138.000	168.000	162.000
22.250	149.000	169.000	193.000	181.000	149.000
22.500	118.000	108.000	136.000	166.000	160.000
22.750	148.000	169.000	192.000	181.000	149.000
23.000	118.000	108.000	136.000	166.000	161.000
23.250	133.000	106.000	98.000	128.000	160.000
23.500	156.000	145.000	166.000	190.000	180.000
23.750	148.000	117.000	108.000	135.000	166.000
24.000	161.000	133.000	106.000	83.000	65.000
24.250	51.000	40.000	31.000	24.000	19.000
24.500	15.000	12.000	9.000	7.000	6.000
24.750	4.000	3.000	3.000	2.000	2.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	2.000	3.000
4.250	5.000	7.000	9.000	11.000	13.000
4.500	16.000	18.000	20.000	23.000	25.000
4.750	28.000	30.000	33.000	35.000	37.000
5.000	40.000	42.000	45.000	47.000	49.000
5.250	51.000	54.000	56.000	58.000	61.000
5.500	63.000	68.000	80.000	92.000	97.000
5.750	96.000	94.000	93.000	93.000	93.000
6.000	93.000	94.000	95.000	96.000	98.000
6.250	104.000	119.000	134.000	139.000	136.000
6.500	132.000	129.000	128.000	132.000	147.000
6.750	163.000	166.000	161.000	156.000	157.000
7.000	172.000	187.000	189.000	182.000	175.000
7.250	175.000	190.000	206.000	207.000	199.000
7.500	191.000	191.000	207.000	223.000	224.000
7.750	222.000	235.000	248.000	246.000	242.000
8.000	253.000	265.000	262.000	256.000	267.000
8.250	279.000	275.000	268.000	279.000	300.000
8.500	320.000	337.000	352.000	356.000	341.000
8.750	324.000	328.000	345.000	362.000	377.000
9.000	389.000	400.000	410.000	418.000	425.000
9.250	432.000	438.000	443.000	448.000	453.000
9.500	457.000	462.000	466.000	470.000	474.000
9.750	478.000	481.000	495.000	531.000	565.000
10.000	574.000	576.000	599.000	624.000	623.000
10.250	619.000	637.000	669.000	699.000	725.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	747.000	765.000	782.000	799.000	818.000
10.750	852.000	916.000	990.000	1,041.000	1,087.000
11.000	1,160.000	1,256.000	1,358.000	1,477.000	1,631.000
11.250	1,808.000	1,994.000	2,184.000	2,377.000	2,586.000
11.500	2,832.000	3,179.000	3,705.000	4,389.000	5,182.000
11.750	6,074.000	7,065.000	8,203.000	9,556.000	11,801.000
12.000	15,823.000	20,472.000	23,986.000	26,394.000	28,209.000
12.250	29,645.000	30,849.000	31,906.000	32,894.000	33,812.000
12.500	34,640.000	35,334.000	35,848.000	36,222.000	36,526.000
12.750	36,794.000	37,053.000	37,293.000	37,490.000	37,657.000
13.000	37,817.000	37,976.000	38,134.000	38,293.000	38,452.000
13.250	38,592.000	38,690.000	38,758.000	38,819.000	38,878.000
13.500	38,937.000	38,996.000	39,055.000	39,114.000	39,174.000
13.750	39,233.000	39,293.000	39,333.000	39,331.000	39,318.000
14.000	39,341.000	39,373.000	39,370.000	39,338.000	39,299.000
14.250	39,278.000	39,299.000	39,331.000	39,328.000	39,297.000
14.500	39,259.000	39,219.000	39,179.000	39,139.000	39,099.000
14.750	39,059.000	39,020.000	38,980.000	38,941.000	38,901.000
15.000	38,862.000	38,823.000	38,784.000	38,746.000	38,707.000
15.250	38,649.000	38,548.000	38,436.000	38,360.000	38,313.000
15.500	38,273.000	38,216.000	38,116.000	38,005.000	37,930.000
15.750	37,884.000	37,845.000	37,788.000	37,689.000	37,578.000
16.000	37,504.000	37,439.000	37,338.000	37,228.000	37,154.000
16.250	37,090.000	36,990.000	36,881.000	36,808.000	36,744.000
16.500	36,644.000	36,516.000	36,380.000	36,263.000	36,189.000
16.750	36,126.000	36,027.000	35,900.000	35,765.000	35,649.000
17.000	35,575.000	35,513.000	35,415.000	35,288.000	35,155.000
17.250	35,039.000	34,967.000	34,906.000	34,809.000	34,683.000
17.500	34,551.000	34,416.000	34,282.000	34,167.000	34,096.000
17.750	34,037.000	33,941.000	33,817.000	33,685.000	33,552.000
18.000	33,419.000	33,287.000	33,154.000	33,022.000	32,890.000
18.250	32,777.000	32,708.000	32,651.000	32,557.000	32,434.000
18.500	32,305.000	32,174.000	32,044.000	31,913.000	31,783.000
18.750	31,652.000	31,522.000	31,392.000	31,262.000	31,133.000
19.000	31,004.000	30,875.000	30,745.000	30,616.000	30,488.000
19.250	30,359.000	30,231.000	30,103.000	29,976.000	29,848.000
19.500	29,720.000	29,592.000	29,465.000	29,338.000	29,212.000
19.750	29,086.000	28,959.000	28,833.000	28,707.000	28,581.000
20.000	28,455.000	28,330.000	28,205.000	28,080.000	27,955.000
20.250	27,830.000	27,705.000	27,581.000	27,457.000	27,333.000
20.500	27,209.000	27,086.000	26,962.000	26,839.000	26,716.000
20.750	26,573.000	26,388.000	26,191.000	26,030.000	25,899.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	25,775.000	25,653.000	25,532.000	25,411.000	25,290.000
21.250	25,169.000	25,049.000	24,928.000	24,808.000	24,668.000
21.500	24,485.000	24,291.000	24,133.000	24,005.000	23,884.000
21.750	23,765.000	23,646.000	23,528.000	23,410.000	23,292.000
22.000	23,174.000	23,037.000	22,856.000	22,664.000	22,509.000
22.250	22,383.000	22,264.000	22,147.000	22,031.000	21,915.000
22.500	21,799.000	21,665.000	21,485.000	21,295.000	21,142.000
22.750	21,018.000	20,902.000	20,787.000	20,673.000	20,559.000
23.000	20,445.000	20,311.000	20,135.000	19,947.000	19,796.000
23.250	19,674.000	19,559.000	19,446.000	19,334.000	19,202.000
23.500	19,027.000	18,841.000	18,691.000	18,570.000	18,457.000
23.750	18,346.000	18,236.000	18,106.000	17,932.000	17,747.000
24.000	17,599.000	17,461.000	17,286.000	17,083.000	16,872.000
24.250	16,660.000	16,448.000	16,236.000	16,024.000	15,813.000
24.500	15,602.000	15,392.000	15,181.000	14,971.000	14,762.000
24.750	14,552.000	14,343.000	14,134.000	13,926.000	13,718.000
25.000	13,510.000	13,302.000	13,095.000	12,888.000	12,681.000
25.250	12,475.000	12,269.000	12,063.000	11,857.000	11,652.000
25.500	11,447.000	11,243.000	11,039.000	10,834.000	10,631.000
25.750	10,428.000	10,224.000	10,022.000	9,819.000	9,617.000
26.000	9,415.000	9,213.000	9,012.000	8,812.000	8,611.000
26.250	8,410.000	8,210.000	8,011.000	7,811.000	7,612.000
26.500	7,413.000	7,214.000	7,016.000	6,818.000	6,620.000
26.750	6,423.000	6,226.000	6,029.000	5,832.000	5,636.000
27.000	5,440.000	5,244.000	5,049.000	4,854.000	4,660.000
27.250	4,465.000	4,270.000	4,077.000	3,883.000	3,690.000
27.500	3,497.000	3,304.000	3,112.000	2,919.000	2,727.000
27.750	2,536.000	2,345.000	2,154.000	1,963.000	1,773.000
28.000	1,583.000	1,393.000	1,203.000	1,014.000	825.000
28.250	651.000	509.000	397.000	311.000	243.000
28.500	190.000	148.000	116.000	91.000	71.000
28.750	55.000	43.000	34.000	26.000	21.000
29.000	16.000	13.000	10.000	8.000	6.000
29.250	5.000	4.000	3.000	2.000	2.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	2.000	3.000
2.250	6.000	10.000	16.000	23.000	31.000
2.500	39.000	46.000	49.000	51.000	58.000
2.750	68.000	78.000	88.000	98.000	104.000
3.000	104.000	103.000	109.000	120.000	132.000
3.250	143.000	153.000	163.000	173.000	182.000
3.500	190.000	198.000	206.000	214.000	222.000
3.750	229.000	236.000	238.000	227.000	217.000
4.000	220.000	232.000	245.000	257.000	268.000
4.250	277.000	286.000	294.000	302.000	309.000
4.500	316.000	330.000	358.000	387.000	397.000
4.750	395.000	392.000	389.000	389.000	389.000
5.000	391.000	393.000	395.000	398.000	402.000
5.250	414.000	445.000	475.000	483.000	478.000
5.500	471.000	466.000	463.000	471.000	499.000
5.750	528.000	534.000	526.000	516.000	519.000
6.000	544.000	571.000	574.000	562.000	550.000
6.250	551.000	576.000	602.000	604.000	602.000
6.500	621.000	643.000	640.000	633.000	650.000
6.750	680.000	710.000	724.000	710.000	694.000
7.000	703.000	729.000	755.000	765.000	748.000
7.250	728.000	736.000	761.000	788.000	815.000
7.500	845.000	875.000	907.000	939.000	973.000
7.750	1,008.000	1,044.000	1,081.000	1,119.000	1,158.000
8.000	1,198.000	1,239.000	1,282.000	1,325.000	1,368.000
8.250	1,428.000	1,522.000	1,626.000	1,702.000	1,758.000
8.500	1,809.000	1,874.000	1,975.000	2,085.000	2,168.000
8.750	2,244.000	2,351.000	2,481.000	2,617.000	2,741.000
9.000	2,831.000	2,913.000	3,025.000	3,161.000	3,304.000
9.250	3,450.000	3,596.000	3,744.000	3,893.000	4,059.000
9.500	4,262.000	4,476.000	4,661.000	4,822.000	4,977.000
9.750	5,149.000	5,359.000	5,596.000	5,840.000	6,087.000
10.000	6,336.000	6,584.000	6,835.000	7,087.000	7,339.000
10.250	7,592.000	7,846.000	8,118.000	8,430.000	8,770.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	9,118.000	9,468.000	9,820.000	10,191.000	10,602.000
10.750	11,041.000	11,489.000	11,940.000	12,392.000	12,864.000
11.000	13,376.000	13,918.000	14,469.000	15,040.000	15,654.000
11.250	16,298.000	16,949.000	17,641.000	18,417.000	19,270.000
11.500	20,181.000	21,311.000	22,869.000	24,764.000	26,822.000
11.750	29,059.000	31,535.000	34,345.000	37,592.000	42,500.000
12.000	50,618.000	59,376.000	65,065.000	67,828.000	68,959.000
12.250	69,179.000	68,983.000	68,587.000	68,114.000	67,601.000
12.500	67,057.000	66,399.000	65,533.000	64,579.000	63,677.000
12.750	62,864.000	62,146.000	61,528.000	61,012.000	60,566.000
13.000	60,154.000	59,765.000	59,390.000	59,045.000	58,747.000
13.250	58,494.000	58,279.000	58,077.000	57,863.000	57,651.000
13.500	57,463.000	57,300.000	57,159.000	57,037.000	56,931.000
13.750	56,821.000	56,683.000	56,535.000	56,399.000	56,279.000
14.000	56,174.000	56,082.000	56,000.000	55,929.000	55,866.000
14.250	55,792.000	55,684.000	55,578.000	55,520.000	55,478.000
14.500	55,406.000	55,314.000	55,226.000	55,146.000	55,074.000
14.750	55,010.000	54,952.000	54,900.000	54,853.000	54,812.000
15.000	54,774.000	54,722.000	54,631.000	54,539.000	54,492.000
15.250	54,478.000	54,473.000	54,451.000	54,388.000	54,321.000
15.500	54,297.000	54,284.000	54,237.000	54,166.000	54,094.000
15.750	54,027.000	53,965.000	53,927.000	53,936.000	53,956.000
16.000	53,937.000	53,892.000	53,843.000	53,796.000	53,752.000
16.250	53,713.000	53,676.000	53,642.000	53,611.000	53,583.000
16.500	53,557.000	53,533.000	53,511.000	53,471.000	53,391.000
16.750	53,306.000	53,264.000	53,255.000	53,253.000	53,254.000
17.000	53,254.000	53,236.000	53,174.000	53,107.000	53,082.000
17.250	53,067.000	53,016.000	52,958.000	52,940.000	52,952.000
17.500	52,971.000	52,971.000	52,926.000	52,873.000	52,858.000
17.750	52,855.000	52,813.000	52,745.000	52,672.000	52,620.000
18.000	52,616.000	52,623.000	52,592.000	52,534.000	52,471.000
18.250	52,428.000	52,433.000	52,448.000	52,426.000	52,375.000
18.500	52,319.000	52,284.000	52,295.000	52,317.000	52,300.000
18.750	52,255.000	52,205.000	52,156.000	52,108.000	52,062.000
19.000	52,019.000	51,976.000	51,934.000	51,912.000	51,936.000
19.250	51,972.000	51,969.000	51,936.000	51,896.000	51,854.000
19.500	51,812.000	51,770.000	51,728.000	51,686.000	51,644.000
19.750	51,603.000	51,561.000	51,519.000	51,477.000	51,436.000
20.000	51,394.000	51,353.000	51,312.000	51,270.000	51,229.000
20.250	51,188.000	51,147.000	51,106.000	51,065.000	51,004.000
20.500	50,896.000	50,778.000	50,697.000	50,647.000	50,604.000
20.750	50,563.000	50,523.000	50,483.000	50,442.000	50,402.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	50,362.000	50,302.000	50,196.000	50,078.000	49,999.000
21.250	49,950.000	49,908.000	49,868.000	49,828.000	49,789.000
21.500	49,749.000	49,690.000	49,584.000	49,467.000	49,388.000
21.750	49,340.000	49,299.000	49,240.000	49,135.000	49,019.000
22.000	48,941.000	48,893.000	48,852.000	48,814.000	48,776.000
22.250	48,717.000	48,613.000	48,497.000	48,419.000	48,372.000
22.500	48,333.000	48,274.000	48,171.000	48,056.000	47,979.000
22.750	47,912.000	47,807.000	47,691.000	47,615.000	47,569.000
23.000	47,530.000	47,473.000	47,370.000	47,256.000	47,180.000
23.250	47,114.000	47,010.000	46,896.000	46,820.000	46,755.000
23.500	46,651.000	46,537.000	46,462.000	46,396.000	46,293.000
23.750	46,180.000	46,105.000	46,041.000	45,938.000	45,825.000
24.000	45,751.000	45,666.000	45,497.000	45,266.000	45,020.000
24.250	44,771.000	44,521.000	44,272.000	44,023.000	43,774.000
24.500	43,525.000	43,277.000	43,029.000	42,782.000	42,534.000
24.750	42,287.000	42,040.000	41,794.000	41,548.000	41,302.000
25.000	41,056.000	40,811.000	40,566.000	40,321.000	40,077.000
25.250	39,833.000	39,589.000	39,345.000	39,102.000	38,860.000
25.500	38,617.000	38,375.000	38,133.000	37,891.000	37,650.000
25.750	37,409.000	37,168.000	36,927.000	36,688.000	36,447.000
26.000	36,208.000	35,968.000	35,730.000	35,491.000	35,252.000
26.250	35,014.000	34,777.000	34,539.000	34,301.000	34,065.000
26.500	33,829.000	33,592.000	33,356.000	33,120.000	32,886.000
26.750	32,650.000	32,416.000	32,181.000	31,948.000	31,714.000
27.000	31,480.000	31,247.000	31,015.000	30,783.000	30,550.000
27.250	30,319.000	30,087.000	29,857.000	29,625.000	29,395.000
27.500	29,165.000	28,935.000	28,706.000	28,476.000	28,248.000
27.750	28,019.000	27,791.000	27,563.000	27,335.000	27,109.000
28.000	26,881.000	26,654.000	26,428.000	26,203.000	25,977.000
28.250	25,751.000	25,526.000	25,302.000	25,077.000	24,853.000
28.500	24,629.000	24,406.000	24,182.000	23,959.000	23,737.000
28.750	23,515.000	23,293.000	23,071.000	22,850.000	22,629.000
29.000	22,408.000	22,188.000	21,968.000	21,748.000	21,529.000
29.250	21,310.000	21,091.000	20,873.000	20,654.000	20,436.000
29.500	20,219.000	20,002.000	19,785.000	19,568.000	19,352.000
29.750	19,136.000	18,920.000	18,705.000	18,489.000	18,275.000
30.000	18,061.000	17,846.000	17,632.000	17,419.000	17,206.000
30.250	16,993.000	16,780.000	16,568.000	16,356.000	16,144.000
30.500	15,932.000	15,721.000	15,511.000	15,300.000	15,090.000
30.750	14,880.000	14,671.000	14,461.000	14,252.000	14,043.000
31.000	13,835.000	13,627.000	13,419.000	13,212.000	13,005.000
31.250	12,798.000	12,591.000	12,385.000	12,179.000	11,974.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	11,768.000	11,563.000	11,359.000	11,154.000	10,950.000
31.750	10,746.000	10,543.000	10,340.000	10,136.000	9,934.000
32.000	9,731.000	9,530.000	9,328.000	9,126.000	8,925.000
32.250	8,725.000	8,524.000	8,323.000	8,123.000	7,924.000
32.500	7,724.000	7,525.000	7,326.000	7,128.000	6,930.000
32.750	6,732.000	6,534.000	6,337.000	6,140.000	5,943.000
33.000	5,747.000	5,551.000	5,355.000	5,159.000	4,964.000
33.250	4,770.000	4,575.000	4,380.000	4,186.000	3,993.000
33.500	3,799.000	3,606.000	3,413.000	3,221.000	3,028.000
33.750	2,836.000	2,644.000	2,453.000	2,262.000	2,071.000
34.000	1,880.000	1,690.000	1,500.000	1,310.000	1,121.000
34.250	932.000	746.000	583.000	456.000	356.000
34.500	278.000	217.000	170.000	133.000	104.000
34.750	81.000	63.000	50.000	39.000	30.000
35.000	24.000	19.000	14.000	11.000	9.000
35.250	7.000	5.000	4.000	3.000	3.000
35.500	2.000	2.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 2B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	2.000	2.000	3.000
8.500	3.000	4.000	5.000	5.000	3.000
8.750	3.000	3.000	5.000	6.000	7.000
9.000	8.000	9.000	9.000	10.000	10.000
9.250	11.000	12.000	12.000	13.000	13.000
9.500	14.000	14.000	15.000	17.000	22.000
9.750	26.000	26.000	23.000	21.000	21.000
10.000	21.000	23.000	29.000	34.000	33.000
10.250	29.000	27.000	28.000	35.000	40.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	39.000	37.000	42.000	49.000	54.000
10.750	55.000	49.000	45.000	49.000	57.000
11.000	62.000	70.000	82.000	92.000	91.000
11.250	90.000	98.000	105.000	102.000	103.000
11.500	123.000	153.000	184.000	220.000	266.000
11.750	317.000	365.000	423.000	504.000	816.000
12.000	1,747.000	2,970.000	3,805.000	4,229.000	4,428.000
12.250	4,490.000	4,477.000	4,416.000	4,323.000	4,214.000
12.500	4,104.000	3,960.000	3,737.000	3,462.000	3,174.000
12.750	2,873.000	2,546.000	2,202.000	1,856.000	1,510.000
13.000	1,166.000	823.000	533.000	355.000	269.000
13.250	227.000	208.000	198.000	194.000	183.000
13.500	157.000	139.000	147.000	156.000	143.000
13.750	132.000	145.000	156.000	143.000	123.000
14.000	111.000	103.000	100.000	108.000	133.000
14.250	150.000	141.000	123.000	111.000	104.000
14.500	101.000	99.000	98.000	98.000	98.000
14.750	98.000	98.000	98.000	98.000	98.000
15.000	98.000	98.000	98.000	98.000	99.000
15.250	99.000	99.000	99.000	99.000	99.000
15.500	99.000	89.000	63.000	45.000	54.000
15.750	73.000	85.000	93.000	96.000	98.000
16.000	99.000	90.000	63.000	45.000	54.000
16.250	73.000	86.000	93.000	97.000	89.000
16.500	63.000	45.000	55.000	74.000	86.000
16.750	84.000	61.000	44.000	54.000	73.000
17.000	86.000	84.000	61.000	44.000	54.000
17.250	74.000	87.000	84.000	61.000	44.000
17.500	54.000	74.000	87.000	84.000	61.000
17.750	44.000	55.000	64.000	50.000	39.000
18.000	52.000	73.000	87.000	84.000	61.000
18.250	44.000	55.000	65.000	51.000	39.000
18.500	52.000	63.000	50.000	39.000	52.000
18.750	63.000	50.000	39.000	52.000	73.000
19.000	87.000	85.000	62.000	45.000	55.000
19.250	65.000	51.000	39.000	53.000	64.000
19.500	50.000	39.000	52.000	64.000	50.000
19.750	39.000	52.000	64.000	50.000	39.000
20.000	53.000	64.000	51.000	29.000	15.000
20.250	18.000	41.000	58.000	48.000	38.000
20.500	52.000	64.000	51.000	39.000	53.000
20.750	64.000	51.000	39.000	53.000	64.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	51.000	39.000	53.000	64.000	51.000
21.250	29.000	15.000	18.000	41.000	59.000
21.500	48.000	38.000	52.000	64.000	51.000
21.750	39.000	53.000	65.000	51.000	30.000
22.000	15.000	18.000	41.000	59.000	48.000
22.250	38.000	53.000	64.000	51.000	30.000
22.500	15.000	18.000	42.000	59.000	48.000
22.750	38.000	53.000	65.000	51.000	30.000
23.000	15.000	18.000	42.000	59.000	48.000
23.250	28.000	15.000	18.000	42.000	59.000
23.500	48.000	38.000	53.000	65.000	51.000
23.750	30.000	15.000	18.000	42.000	59.000
24.000	49.000	28.000	15.000	7.000	4.000
24.250	2.000	0.000	0.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	2.000	2.000	3.000	3.000
5.250	4.000	5.000	5.000	6.000	6.000
5.500	7.000	8.000	12.000	14.000	15.000
5.750	13.000	13.000	13.000	13.000	13.000
6.000	14.000	14.000	15.000	15.000	16.000
6.250	18.000	24.000	28.000	27.000	24.000
6.500	23.000	22.000	22.000	24.000	31.000
6.750	36.000	34.000	31.000	28.000	30.000
7.000	36.000	42.000	40.000	35.000	32.000
7.250	34.000	41.000	47.000	45.000	40.000
7.500	36.000	38.000	46.000	53.000	50.000
7.750	47.000	53.000	58.000	54.000	51.000
8.000	57.000	62.000	58.000	54.000	60.000
8.250	66.000	61.000	57.000	64.000	74.000
8.500	81.000	85.000	88.000	86.000	75.000
8.750	67.000	73.000	83.000	90.000	94.000
9.000	97.000	99.000	101.000	102.000	104.000
9.250	105.000	106.000	107.000	108.000	110.000
9.500	111.000	112.000	113.000	114.000	115.000
9.750	116.000	117.000	124.000	142.000	154.000
10.000	150.000	146.000	156.000	165.000	158.000
10.250	152.000	162.000	177.000	188.000	195.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	199.000	202.000	205.000	207.000	209.000
10.750	218.000	239.000	255.000	250.000	246.000
11.000	258.000	277.000	289.000	305.000	332.000
11.250	358.000	376.000	388.000	395.000	409.000
11.500	436.000	505.000	638.000	830.000	1,091.000
11.750	1,429.000	1,843.000	2,372.000	3,065.000	4,444.000
12.000	7,195.000	10,443.000	12,823.000	14,348.000	15,412.000
12.250	16,182.000	16,768.000	17,241.000	17,659.000	18,022.000
12.500	18,315.000	18,502.000	18,547.000	18,482.000	18,363.000
12.750	18,216.000	18,063.000	17,895.000	17,695.000	17,473.000
13.000	17,246.000	17,020.000	16,795.000	16,570.000	16,347.000
13.250	16,111.000	15,841.000	15,550.000	15,255.000	14,959.000
13.500	14,665.000	14,372.000	14,080.000	13,791.000	13,502.000
13.750	13,215.000	12,930.000	12,630.000	12,298.000	11,959.000
14.000	11,650.000	11,350.000	11,022.000	10,675.000	10,322.000
14.250	9,985.000	9,684.000	9,393.000	9,075.000	8,735.000
14.500	8,392.000	8,049.000	7,708.000	7,368.000	7,030.000
14.750	6,693.000	6,358.000	6,024.000	5,692.000	5,361.000
15.000	5,033.000	4,705.000	4,380.000	4,056.000	3,733.000
15.250	3,397.000	3,027.000	2,651.000	2,305.000	1,983.000
15.500	1,669.000	1,342.000	982.000	632.000	405.000
15.750	312.000	271.000	241.000	201.000	175.000
16.000	184.000	194.000	177.000	163.000	178.000
16.250	191.000	176.000	163.000	178.000	191.000
16.500	176.000	152.000	136.000	138.000	165.000
16.750	185.000	173.000	150.000	135.000	138.000
17.000	165.000	185.000	173.000	150.000	135.000
17.250	138.000	166.000	185.000	173.000	151.000
17.500	135.000	127.000	123.000	132.000	163.000
17.750	184.000	173.000	151.000	135.000	127.000
18.000	123.000	121.000	120.000	119.000	119.000
18.250	131.000	162.000	184.000	173.000	151.000
18.500	136.000	127.000	123.000	121.000	120.000
18.750	120.000	119.000	119.000	119.000	119.000
19.000	119.000	119.000	119.000	119.000	119.000
19.250	119.000	119.000	119.000	119.000	119.000
19.500	119.000	119.000	119.000	120.000	120.000
19.750	120.000	120.000	120.000	120.000	120.000
20.000	120.000	120.000	120.000	120.000	120.000
20.250	120.000	120.000	120.000	120.000	120.000
20.500	120.000	120.000	120.000	120.000	120.000
20.750	108.000	76.000	54.000	65.000	88.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	103.000	112.000	116.000	118.000	119.000
21.250	120.000	120.000	120.000	120.000	108.000
21.500	77.000	54.000	66.000	88.000	103.000
21.750	112.000	116.000	118.000	119.000	120.000
22.000	120.000	109.000	77.000	55.000	66.000
22.250	88.000	104.000	112.000	116.000	118.000
22.500	119.000	108.000	77.000	55.000	66.000
22.750	88.000	104.000	112.000	116.000	119.000
23.000	120.000	108.000	77.000	55.000	66.000
23.250	88.000	104.000	112.000	117.000	107.000
23.500	76.000	54.000	66.000	88.000	104.000
23.750	112.000	117.000	107.000	76.000	54.000
24.000	66.000	77.000	60.000	35.000	18.000
24.250	9.000	4.000	2.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	2.000
2.750	4.000	6.000	8.000	11.000	12.000
3.000	12.000	12.000	14.000	18.000	21.000
3.250	24.000	26.000	29.000	31.000	33.000
3.500	35.000	37.000	39.000	41.000	43.000
3.750	45.000	47.000	46.000	41.000	38.000
4.000	41.000	48.000	53.000	56.000	59.000
4.250	61.000	63.000	65.000	67.000	68.000
4.500	70.000	75.000	87.000	96.000	95.000
4.750	89.000	86.000	85.000	85.000	86.000
5.000	87.000	88.000	90.000	91.000	92.000
5.250	98.000	113.000	123.000	121.000	113.000
5.500	108.000	106.000	105.000	111.000	126.000
5.750	138.000	134.000	125.000	119.000	122.000
6.000	137.000	148.000	144.000	134.000	128.000
6.250	130.000	146.000	158.000	153.000	148.000
6.500	158.000	167.000	160.000	155.000	165.000
6.750	180.000	191.000	191.000	177.000	167.000
7.000	175.000	190.000	201.000	201.000	186.000
7.250	175.000	184.000	199.000	210.000	217.000
7.500	221.000	224.000	226.000	228.000	230.000
7.750	231.000	233.000	234.000	236.000	237.000
8.000	239.000	240.000	242.000	243.000	244.000
8.250	254.000	277.000	294.000	288.000	274.000
8.500	265.000	268.000	290.000	306.000	298.000
8.750	292.000	305.000	325.000	339.000	339.000
9.000	320.000	307.000	317.000	336.000	350.000
9.250	358.000	363.000	366.000	369.000	380.000
9.500	407.000	426.000	419.000	403.000	393.000
9.750	397.000	421.000	448.000	466.000	477.000
10.000	483.000	487.000	491.000	493.000	495.000
10.250	497.000	499.000	511.000	540.000	571.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	591.000	603.000	610.000	625.000	656.000
10.750	692.000	726.000	764.000	805.000	860.000
11.000	949.000	1,061.000	1,181.000	1,318.000	1,488.000
11.250	1,682.000	1,884.000	2,117.000	2,416.000	2,777.000
11.500	3,183.000	3,762.000	4,679.000	5,861.000	7,173.000
11.750	8,625.000	10,268.000	12,177.000	14,432.000	18,019.000
12.000	24,185.000	31,213.000	36,570.000	40,132.000	42,405.000
12.250	43,753.000	44,548.000	44,985.000	45,201.000	45,255.000
12.500	45,184.000	44,939.000	44,463.000	43,864.000	43,267.000
12.750	42,709.000	42,202.000	41,757.000	41,378.000	41,042.000
13.000	40,725.000	40,415.000	40,109.000	39,821.000	39,563.000
13.250	39,335.000	39,135.000	38,945.000	38,739.000	38,529.000
13.500	38,334.000	38,156.000	37,995.000	37,845.000	37,704.000
13.750	37,555.000	37,379.000	37,188.000	36,998.000	36,810.000
14.000	36,623.000	36,436.000	36,251.000	36,066.000	35,882.000
14.250	35,682.000	35,447.000	35,203.000	34,990.000	34,786.000
14.500	34,553.000	34,295.000	34,033.000	33,770.000	33,509.000
14.750	33,247.000	32,988.000	32,729.000	32,472.000	32,215.000
15.000	31,960.000	31,689.000	31,382.000	31,067.000	30,784.000
15.250	30,526.000	30,276.000	30,013.000	29,712.000	29,404.000
15.500	29,129.000	28,862.000	28,565.000	28,245.000	27,920.000
15.750	27,595.000	27,271.000	26,965.000	26,698.000	26,442.000
16.000	26,155.000	25,845.000	25,531.000	25,216.000	24,903.000
16.250	24,590.000	24,279.000	23,970.000	23,661.000	23,355.000
16.500	23,049.000	22,744.000	22,442.000	22,123.000	21,769.000
16.750	21,407.000	21,077.000	20,774.000	20,477.000	20,184.000
17.000	19,892.000	19,584.000	19,242.000	18,890.000	18,571.000
17.250	18,262.000	17,922.000	17,577.000	17,263.000	16,977.000
17.500	16,697.000	16,403.000	16,074.000	15,736.000	15,432.000
17.750	15,136.000	14,810.000	14,462.000	14,108.000	13,772.000
18.000	13,473.000	13,186.000	12,870.000	12,529.000	12,185.000
18.250	11,856.000	11,567.000	11,288.000	10,979.000	10,648.000
18.500	10,311.000	9,992.000	9,710.000	9,440.000	9,140.000
18.750	8,816.000	8,488.000	8,160.000	7,833.000	7,507.000
19.000	7,183.000	6,861.000	6,540.000	6,237.000	5,972.000
19.250	5,719.000	5,436.000	5,129.000	4,818.000	4,506.000
19.500	4,196.000	3,887.000	3,580.000	3,274.000	2,969.000
19.750	2,666.000	2,364.000	2,064.000	1,765.000	1,467.000
20.000	1,171.000	876.000	607.000	426.000	338.000
20.250	295.000	275.000	265.000	260.000	245.000
20.500	210.000	186.000	198.000	222.000	238.000
20.750	247.000	251.000	254.000	255.000	255.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	255.000	243.000	209.000	186.000	198.000
21.250	222.000	238.000	247.000	251.000	254.000
21.500	255.000	243.000	209.000	186.000	198.000
21.750	222.000	238.000	235.000	205.000	184.000
22.000	197.000	221.000	238.000	247.000	252.000
22.250	241.000	209.000	185.000	198.000	222.000
22.500	238.000	235.000	205.000	184.000	197.000
22.750	209.000	192.000	177.000	193.000	220.000
23.000	237.000	234.000	205.000	184.000	197.000
23.250	209.000	192.000	177.000	194.000	208.000
23.500	191.000	177.000	193.000	207.000	191.000
23.750	177.000	193.000	207.000	191.000	177.000
24.000	193.000	195.000	144.000	82.000	42.000
24.250	21.000	10.000	5.000	2.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Basin 3A
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	0.000	0.000	0.000	0.000	0.000
10.750	0.000	0.000	0.000	0.000	0.000
11.000	0.000	0.000	0.000	0.000	0.000
11.250	0.000	1.000	2.000	2.000	3.000
11.500	4.000	6.000	8.000	11.000	15.000
11.750	20.000	26.000	33.000	43.000	76.000
12.000	160.000	239.000	248.000	215.000	178.000
12.250	147.000	125.000	109.000	99.000	92.000
12.500	89.000	84.000	72.000	60.000	52.000
12.750	47.000	41.000	36.000	34.000	32.000
13.000	32.000	31.000	31.000	31.000	31.000
13.250	32.000	32.000	32.000	32.000	31.000
13.500	26.000	23.000	25.000	27.000	24.000
13.750	23.000	25.000	27.000	25.000	21.000
14.000	19.000	18.000	17.000	19.000	23.000
14.250	26.000	25.000	21.000	19.000	18.000
14.500	18.000	17.000	17.000	17.000	17.000
14.750	17.000	17.000	17.000	17.000	17.000
15.000	17.000	17.000	17.000	17.000	17.000
15.250	17.000	17.000	18.000	18.000	18.000
15.500	18.000	16.000	11.000	8.000	10.000
15.750	13.000	15.000	17.000	17.000	18.000
16.000	18.000	16.000	11.000	8.000	10.000
16.250	13.000	16.000	17.000	17.000	16.000
16.500	11.000	8.000	10.000	13.000	16.000
16.750	15.000	11.000	8.000	10.000	13.000
17.000	16.000	15.000	11.000	8.000	10.000
17.250	13.000	16.000	15.000	11.000	8.000
17.500	10.000	14.000	16.000	15.000	11.000
17.750	8.000	10.000	12.000	9.000	7.000
18.000	10.000	13.000	16.000	16.000	11.000
18.250	8.000	10.000	12.000	9.000	7.000
18.500	10.000	12.000	9.000	7.000	10.000
18.750	12.000	9.000	7.000	10.000	14.000
19.000	16.000	16.000	11.000	8.000	10.000
19.250	12.000	9.000	7.000	10.000	12.000
19.500	9.000	7.000	10.000	12.000	9.000
19.750	7.000	10.000	12.000	9.000	7.000
20.000	10.000	12.000	9.000	5.000	3.000
20.250	3.000	8.000	11.000	9.000	7.000
20.500	10.000	12.000	9.000	7.000	10.000
20.750	12.000	9.000	7.000	10.000	12.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	9.000	7.000	10.000	12.000	9.000
21.250	5.000	3.000	3.000	8.000	11.000
21.500	9.000	7.000	10.000	12.000	10.000
21.750	7.000	10.000	12.000	10.000	5.000
22.000	3.000	3.000	8.000	11.000	9.000
22.250	7.000	10.000	12.000	10.000	5.000
22.500	3.000	3.000	8.000	11.000	9.000
22.750	7.000	10.000	12.000	10.000	5.000
23.000	3.000	3.000	8.000	11.000	9.000
23.250	5.000	3.000	3.000	8.000	11.000
23.500	9.000	7.000	10.000	12.000	10.000
23.750	6.000	3.000	3.000	8.000	11.000
24.000	9.000	5.000	3.000	1.000	0.000
24.250	0.000	0.000	0.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	1.000	1.000
8.250	1.000	1.000	1.000	2.000	2.000
8.500	3.000	3.000	4.000	4.000	3.000
8.750	3.000	4.000	4.000	5.000	5.000
9.000	6.000	6.000	6.000	7.000	7.000
9.250	7.000	8.000	8.000	8.000	8.000
9.500	9.000	9.000	9.000	10.000	10.000
9.750	10.000	10.000	11.000	13.000	15.000
10.000	14.000	14.000	15.000	17.000	16.000
10.250	16.000	17.000	19.000	20.000	21.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	22.000	23.000	23.000	24.000	25.000
10.750	26.000	29.000	31.000	31.000	31.000
11.000	33.000	35.000	38.000	40.000	44.000
11.250	48.000	51.000	53.000	55.000	58.000
11.500	62.000	73.000	94.000	119.000	142.000
11.750	164.000	186.000	213.000	250.000	367.000
12.000	713.000	1,171.000	1,477.000	1,624.000	1,683.000
12.250	1,687.000	1,655.000	1,602.000	1,540.000	1,469.000
12.500	1,383.000	1,277.000	1,143.000	986.000	819.000
12.750	647.000	476.000	317.000	204.000	148.000
13.000	120.000	107.000	101.000	99.000	97.000
13.250	95.000	88.000	81.000	77.000	75.000
13.500	74.000	74.000	73.000	73.000	73.000
13.750	74.000	74.000	71.000	65.000	60.000
14.000	63.000	65.000	62.000	57.000	53.000
14.250	54.000	60.000	64.000	61.000	57.000
14.500	53.000	52.000	51.000	51.000	50.000
14.750	50.000	50.000	50.000	50.000	50.000
15.000	50.000	51.000	51.000	51.000	51.000
15.250	48.000	41.000	37.000	39.000	44.000
15.500	47.000	47.000	41.000	36.000	39.000
15.750	44.000	48.000	47.000	41.000	37.000
16.000	39.000	42.000	38.000	35.000	39.000
16.250	42.000	38.000	35.000	39.000	42.000
16.500	38.000	33.000	29.000	30.000	36.000
16.750	41.000	38.000	33.000	29.000	30.000
17.000	36.000	41.000	38.000	33.000	30.000
17.250	30.000	36.000	41.000	38.000	33.000
17.500	30.000	28.000	27.000	29.000	36.000
17.750	41.000	38.000	33.000	30.000	28.000
18.000	27.000	27.000	26.000	26.000	26.000
18.250	29.000	36.000	41.000	38.000	33.000
18.500	30.000	28.000	27.000	27.000	27.000
18.750	26.000	26.000	26.000	26.000	26.000
19.000	26.000	26.000	26.000	26.000	26.000
19.250	26.000	26.000	26.000	26.000	26.000
19.500	26.000	26.000	27.000	27.000	27.000
19.750	27.000	27.000	27.000	27.000	27.000
20.000	27.000	27.000	27.000	27.000	27.000
20.250	27.000	27.000	27.000	27.000	27.000
20.500	27.000	27.000	27.000	27.000	27.000
20.750	24.000	17.000	12.000	15.000	20.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	23.000	25.000	26.000	26.000	27.000
21.250	27.000	27.000	27.000	27.000	24.000
21.500	17.000	12.000	15.000	20.000	23.000
21.750	25.000	26.000	26.000	27.000	27.000
22.000	27.000	24.000	17.000	12.000	15.000
22.250	20.000	23.000	25.000	26.000	27.000
22.500	27.000	24.000	17.000	12.000	15.000
22.750	20.000	23.000	25.000	26.000	27.000
23.000	27.000	24.000	17.000	12.000	15.000
23.250	20.000	23.000	25.000	26.000	24.000
23.500	17.000	12.000	15.000	20.000	23.000
23.750	25.000	26.000	24.000	17.000	12.000
24.000	15.000	17.000	13.000	8.000	4.000
24.250	2.000	1.000	0.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	2.000	2.000	2.000	3.000
5.000	3.000	3.000	4.000	4.000	4.000
5.250	5.000	6.000	7.000	7.000	7.000
5.500	7.000	7.000	7.000	8.000	9.000
5.750	10.000	10.000	10.000	10.000	10.000
6.000	12.000	13.000	13.000	12.000	12.000
6.250	12.000	14.000	15.000	15.000	15.000
6.500	16.000	17.000	17.000	16.000	18.000
6.750	20.000	21.000	21.000	20.000	19.000
7.000	20.000	22.000	24.000	24.000	22.000
7.250	21.000	23.000	25.000	26.000	28.000
7.500	28.000	29.000	29.000	30.000	30.000
7.750	31.000	31.000	32.000	32.000	33.000
8.000	33.000	34.000	34.000	35.000	35.000
8.250	37.000	40.000	43.000	42.000	40.000
8.500	39.000	40.000	44.000	46.000	45.000
8.750	45.000	47.000	51.000	53.000	53.000
9.000	50.000	49.000	51.000	54.000	56.000
9.250	58.000	59.000	60.000	61.000	63.000
9.500	68.000	71.000	70.000	68.000	66.000
9.750	68.000	72.000	77.000	81.000	83.000
10.000	84.000	85.000	86.000	87.000	88.000
10.250	89.000	89.000	92.000	98.000	104.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	108.000	110.000	112.000	115.000	122.000
10.750	129.000	133.000	136.000	138.000	142.000
11.000	148.000	156.000	161.000	166.000	174.000
11.250	182.000	187.000	195.000	210.000	227.000
11.500	243.000	278.000	349.000	451.000	582.000
11.750	747.000	957.000	1,230.000	1,584.000	2,246.000
12.000	3,508.000	4,961.000	5,892.000	6,264.000	6,340.000
12.250	6,275.000	6,166.000	6,044.000	5,928.000	5,820.000
12.500	5,716.000	5,595.000	5,438.000	5,267.000	5,105.000
12.750	4,959.000	4,826.000	4,704.000	4,595.000	4,493.000
13.000	4,386.000	4,270.000	4,145.000	4,013.000	3,881.000
13.250	3,751.000	3,621.000	3,488.000	3,347.000	3,201.000
13.500	3,055.000	2,909.000	2,765.000	2,622.000	2,479.000
13.750	2,334.000	2,182.000	2,023.000	1,865.000	1,708.000
14.000	1,552.000	1,397.000	1,243.000	1,091.000	939.000
14.250	786.000	623.000	460.000	319.000	226.000
14.500	177.000	149.000	135.000	128.000	125.000
14.750	123.000	123.000	122.000	122.000	122.000
15.000	122.000	119.000	111.000	105.000	108.000
15.250	114.000	118.000	117.000	110.000	105.000
15.500	108.000	111.000	107.000	101.000	96.000
15.750	94.000	93.000	96.000	104.000	109.000
16.000	106.000	100.000	96.000	94.000	93.000
16.250	93.000	93.000	92.000	92.000	92.000
16.500	92.000	92.000	92.000	89.000	81.000
16.750	75.000	78.000	84.000	88.000	91.000
17.000	92.000	89.000	81.000	75.000	79.000
17.250	82.000	77.000	74.000	78.000	84.000
17.500	88.000	88.000	80.000	75.000	79.000
17.750	82.000	77.000	71.000	66.000	67.000
18.000	74.000	80.000	76.000	70.000	66.000
18.250	67.000	75.000	80.000	76.000	70.000
18.500	66.000	67.000	75.000	80.000	77.000
18.750	70.000	66.000	64.000	63.000	63.000
19.000	62.000	62.000	62.000	65.000	74.000
19.250	80.000	76.000	70.000	66.000	64.000
19.500	63.000	63.000	63.000	62.000	62.000
19.750	62.000	62.000	62.000	62.000	62.000
20.000	62.000	62.000	62.000	62.000	62.000
20.250	62.000	62.000	62.000	62.000	59.000
20.500	51.000	45.000	48.000	54.000	58.000
20.750	60.000	62.000	62.000	62.000	62.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	63.000	59.000	51.000	45.000	48.000
21.250	54.000	58.000	61.000	62.000	62.000
21.500	62.000	59.000	51.000	45.000	48.000
21.750	54.000	58.000	58.000	50.000	45.000
22.000	48.000	54.000	58.000	61.000	62.000
22.250	59.000	51.000	45.000	48.000	55.000
22.500	59.000	58.000	50.000	45.000	48.000
22.750	51.000	47.000	43.000	48.000	54.000
23.000	58.000	58.000	50.000	45.000	48.000
23.250	51.000	47.000	43.000	48.000	51.000
23.500	47.000	43.000	48.000	51.000	47.000
23.750	43.000	48.000	51.000	47.000	43.000
24.000	48.000	48.000	35.000	20.000	10.000
24.250	5.000	2.000	1.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	0.000	0.000	0.000	1.000	2.000
10.750	3.000	4.000	4.000	5.000	7.000
11.000	8.000	10.000	14.000	17.000	18.000
11.250	19.000	22.000	26.000	26.000	28.000
11.500	35.000	45.000	56.000	71.000	91.000
11.750	114.000	138.000	169.000	210.000	339.000
12.000	684.000	1,140.000	1,457.000	1,605.000	1,657.000
12.250	1,649.000	1,608.000	1,546.000	1,470.000	1,387.000
12.500	1,304.000	1,206.000	1,069.000	906.000	736.000
12.750	561.000	401.000	290.000	223.000	183.000
13.000	160.000	147.000	139.000	135.000	133.000
13.250	132.000	131.000	131.000	131.000	126.000
13.500	112.000	101.000	104.000	108.000	101.000
13.750	95.000	101.000	107.000	101.000	90.000
14.000	81.000	76.000	72.000	76.000	90.000
14.250	101.000	98.000	88.000	81.000	76.000
14.500	73.000	71.000	70.000	70.000	70.000
14.750	70.000	70.000	70.000	70.000	70.000
15.000	70.000	70.000	70.000	70.000	70.000
15.250	70.000	70.000	70.000	71.000	71.000
15.500	71.000	65.000	50.000	37.000	41.000
15.750	51.000	59.000	64.000	67.000	69.000
16.000	70.000	65.000	50.000	38.000	41.000
16.250	51.000	59.000	64.000	68.000	64.000
16.500	49.000	37.000	41.000	51.000	59.000
16.750	59.000	46.000	36.000	40.000	51.000
17.000	59.000	59.000	47.000	36.000	40.000
17.250	51.000	60.000	60.000	47.000	36.000
17.500	40.000	51.000	60.000	60.000	47.000
17.750	36.000	41.000	46.000	38.000	31.000
18.000	38.000	50.000	59.000	60.000	47.000
18.250	36.000	41.000	46.000	38.000	31.000
18.500	38.000	44.000	37.000	31.000	37.000
18.750	44.000	37.000	31.000	38.000	50.000
19.000	60.000	60.000	48.000	37.000	41.000
19.250	47.000	39.000	31.000	38.000	45.000
19.500	38.000	31.000	38.000	45.000	38.000
19.750	31.000	38.000	45.000	38.000	31.000
20.000	38.000	45.000	38.000	25.000	15.000
20.250	15.000	28.000	39.000	35.000	29.000
20.500	37.000	45.000	38.000	31.000	38.000
20.750	45.000	38.000	31.000	38.000	45.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	38.000	31.000	38.000	46.000	38.000
21.250	25.000	16.000	15.000	28.000	40.000
21.500	35.000	29.000	37.000	45.000	38.000
21.750	31.000	39.000	46.000	39.000	26.000
22.000	16.000	15.000	29.000	40.000	35.000
22.250	30.000	38.000	45.000	38.000	25.000
22.500	16.000	15.000	29.000	40.000	35.000
22.750	30.000	38.000	46.000	39.000	26.000
23.000	16.000	15.000	29.000	40.000	35.000
23.250	24.000	15.000	15.000	28.000	40.000
23.500	35.000	30.000	38.000	46.000	39.000
23.750	26.000	16.000	15.000	29.000	40.000
24.000	36.000	24.000	15.000	9.000	5.000
24.250	3.000	2.000	1.000	0.000	0.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	1.000	2.000	3.000	3.000	4.000
7.500	4.000	4.000	6.000	7.000	7.000
7.750	8.000	9.000	11.000	11.000	11.000
8.000	12.000	14.000	14.000	13.000	15.000
8.250	17.000	16.000	16.000	18.000	21.000
8.500	24.000	26.000	27.000	28.000	25.000
8.750	24.000	25.000	29.000	31.000	34.000
9.000	36.000	37.000	38.000	40.000	41.000
9.250	42.000	43.000	44.000	45.000	46.000
9.500	48.000	49.000	50.000	51.000	52.000
9.750	53.000	54.000	57.000	64.000	71.000
10.000	71.000	70.000	75.000	80.000	78.000
10.250	77.000	82.000	89.000	95.000	99.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	103.000	106.000	108.000	111.000	113.000
10.750	118.000	129.000	138.000	138.000	138.000
11.000	145.000	155.000	164.000	174.000	189.000
11.250	205.000	218.000	228.000	235.000	245.000
11.500	262.000	301.000	376.000	468.000	569.000
11.750	701.000	877.000	1,117.000	1,450.000	2,157.000
12.000	3,629.000	5,410.000	6,746.000	7,621.000	8,246.000
12.250	8,708.000	9,069.000	9,366.000	9,634.000	9,865.000
12.500	10,035.000	10,123.000	10,120.000	10,059.000	9,977.000
12.750	9,893.000	9,819.000	9,746.000	9,656.000	9,553.000
13.000	9,447.000	9,342.000	9,237.000	9,132.000	9,028.000
13.250	8,916.000	8,785.000	8,640.000	8,491.000	8,343.000
13.500	8,196.000	8,049.000	7,902.000	7,757.000	7,612.000
13.750	7,468.000	7,324.000	7,172.000	7,000.000	6,823.000
14.000	6,664.000	6,510.000	6,340.000	6,156.000	5,970.000
14.250	5,793.000	5,637.000	5,488.000	5,321.000	5,142.000
14.500	4,959.000	4,777.000	4,595.000	4,414.000	4,234.000
14.750	4,054.000	3,875.000	3,696.000	3,518.000	3,341.000
15.000	3,165.000	2,989.000	2,814.000	2,640.000	2,466.000
15.250	2,283.000	2,080.000	1,872.000	1,683.000	1,508.000
15.500	1,338.000	1,159.000	960.000	756.000	571.000
15.750	424.000	328.000	265.000	211.000	175.000
16.000	168.000	168.000	153.000	141.000	148.000
16.250	156.000	147.000	138.000	146.000	155.000
16.500	146.000	130.000	117.000	117.000	134.000
16.750	148.000	142.000	127.000	116.000	116.000
17.000	133.000	148.000	142.000	128.000	116.000
17.250	117.000	134.000	148.000	143.000	128.000
17.500	117.000	109.000	105.000	110.000	130.000
17.750	146.000	142.000	128.000	116.000	109.000
18.000	105.000	102.000	101.000	100.000	100.000
18.250	107.000	129.000	146.000	142.000	128.000
18.500	117.000	110.000	105.000	103.000	101.000
18.750	100.000	100.000	100.000	100.000	99.000
19.000	99.000	99.000	99.000	99.000	99.000
19.250	100.000	100.000	100.000	100.000	100.000
19.500	100.000	100.000	100.000	100.000	100.000
19.750	100.000	100.000	100.000	100.000	100.000
20.000	100.000	100.000	100.000	100.000	100.000
20.250	100.000	100.000	100.000	100.000	100.000
20.500	100.000	100.000	100.000	100.000	100.000
20.750	93.000	70.000	53.000	57.000	71.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	83.000	90.000	94.000	97.000	98.000
21.250	99.000	100.000	100.000	100.000	93.000
21.500	71.000	53.000	57.000	72.000	83.000
21.750	90.000	95.000	97.000	99.000	100.000
22.000	100.000	93.000	71.000	53.000	58.000
22.250	72.000	83.000	90.000	95.000	97.000
22.500	99.000	92.000	70.000	53.000	58.000
22.750	72.000	83.000	90.000	95.000	98.000
23.000	99.000	92.000	70.000	53.000	58.000
23.250	72.000	83.000	91.000	95.000	90.000
23.500	69.000	52.000	57.000	72.000	83.000
23.750	91.000	95.000	90.000	69.000	52.000
24.000	57.000	64.000	53.000	35.000	21.000
24.250	13.000	7.000	4.000	3.000	2.000
24.500	0.000	0.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
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	1.000	2.000	3.000
4.250	5.000	6.000	7.000	9.000	10.000
4.500	11.000	13.000	17.000	20.000	21.000
4.750	22.000	22.000	23.000	24.000	25.000
5.000	26.000	27.000	28.000	29.000	31.000
5.250	33.000	38.000	43.000	44.000	43.000
5.500	42.000	42.000	42.000	44.000	50.000
5.750	56.000	56.000	54.000	53.000	54.000
6.000	60.000	65.000	65.000	62.000	61.000
6.250	62.000	68.000	74.000	74.000	73.000
6.500	78.000	82.000	81.000	79.000	84.000
6.750	91.000	97.000	99.000	94.000	91.000
7.000	94.000	101.000	108.000	109.000	103.000
7.250	99.000	103.000	110.000	117.000	121.000
7.500	125.000	128.000	130.000	132.000	134.000
7.750	136.000	138.000	139.000	141.000	142.000
8.000	144.000	146.000	147.000	149.000	150.000
8.250	156.000	169.000	180.000	179.000	173.000
8.500	169.000	171.000	182.000	192.000	191.000
8.750	188.000	196.000	208.000	218.000	220.000
9.000	212.000	205.000	210.000	221.000	230.000
9.250	237.000	242.000	245.000	248.000	256.000
9.500	272.000	286.000	285.000	278.000	273.000
9.750	276.000	290.000	307.000	321.000	330.000
10.000	337.000	342.000	346.000	349.000	352.000
10.250	355.000	358.000	366.000	385.000	406.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
10.500	422.000	433.000	441.000	453.000	475.000
10.750	499.000	518.000	535.000	555.000	584.000
11.000	632.000	696.000	764.000	843.000	943.000
11.250	1,058.000	1,178.000	1,318.000	1,498.000	1,715.000
11.500	1,960.000	2,309.000	2,860.000	3,574.000	4,370.000
11.750	5,258.000	6,268.000	7,449.000	8,852.000	10,954.000
12.000	13,821.000	15,859.000	16,148.000	15,524.000	14,747.000
12.250	14,094.000	13,607.000	13,247.000	12,980.000	12,769.000
12.500	12,586.000	12,373.000	12,089.000	11,790.000	11,539.000
12.750	11,336.000	11,172.000	11,048.000	10,961.000	10,892.000
13.000	10,821.000	10,745.000	10,666.000	10,592.000	10,535.000
13.250	10,492.000	10,461.000	10,429.000	10,384.000	10,336.000
13.500	10,293.000	10,256.000	10,225.000	10,199.000	10,177.000
13.750	10,149.000	10,103.000	10,049.000	10,000.000	9,957.000
14.000	9,921.000	9,891.000	9,866.000	9,845.000	9,828.000
14.250	9,803.000	9,757.000	9,708.000	9,679.000	9,655.000
14.500	9,611.000	9,551.000	9,488.000	9,424.000	9,359.000
14.750	9,296.000	9,232.000	9,169.000	9,106.000	9,043.000
15.000	8,980.000	8,907.000	8,810.000	8,707.000	8,625.000
15.250	8,559.000	8,497.000	8,425.000	8,330.000	8,228.000
15.500	8,148.000	8,073.000	7,978.000	7,866.000	7,752.000
15.750	7,636.000	7,521.000	7,417.000	7,339.000	7,266.000
16.000	7,174.000	7,066.000	6,954.000	6,842.000	6,729.000
16.250	6,617.000	6,506.000	6,395.000	6,284.000	6,174.000
16.500	6,064.000	5,955.000	5,846.000	5,726.000	5,582.000
16.750	5,432.000	5,304.000	5,192.000	5,084.000	4,978.000
17.000	4,873.000	4,757.000	4,616.000	4,469.000	4,344.000
17.250	4,225.000	4,085.000	3,940.000	3,816.000	3,710.000
17.500	3,608.000	3,496.000	3,359.000	3,218.000	3,097.000
17.750	2,982.000	2,846.000	2,695.000	2,540.000	2,395.000
18.000	2,276.000	2,164.000	2,031.000	1,882.000	1,730.000
18.250	1,589.000	1,473.000	1,363.000	1,233.000	1,088.000
18.500	938.000	799.000	686.000	579.000	465.000
18.750	371.000	313.000	278.000	257.000	245.000
19.000	237.000	233.000	231.000	238.000	262.000
19.250	282.000	277.000	261.000	248.000	240.000
19.500	235.000	232.000	230.000	229.000	228.000
19.750	228.000	228.000	228.000	228.000	228.000
20.000	228.000	228.000	228.000	228.000	228.000
20.250	228.000	228.000	228.000	228.000	219.000
20.500	194.000	174.000	179.000	195.000	208.000
20.750	216.000	221.000	224.000	226.000	227.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
21.000	227.000	219.000	194.000	174.000	179.000
21.250	195.000	208.000	216.000	221.000	224.000
21.500	226.000	218.000	194.000	174.000	179.000
21.750	195.000	208.000	208.000	187.000	170.000
22.000	177.000	194.000	208.000	216.000	221.000
22.250	216.000	192.000	173.000	179.000	195.000
22.500	208.000	208.000	188.000	171.000	177.000
22.750	186.000	174.000	162.000	172.000	192.000
23.000	206.000	207.000	187.000	170.000	177.000
23.250	186.000	174.000	162.000	173.000	183.000
23.500	172.000	161.000	172.000	183.000	172.000
23.750	161.000	172.000	183.000	172.000	161.000
24.000	172.000	174.000	138.000	90.000	55.000
24.250	32.000	19.000	11.000	7.000	4.000
24.500	2.000	1.000	0.000	0.000	0.000
24.750	0.000	0.000	0.000	0.000	0.000
25.000	0.000	0.000	0.000	0.000	0.000
25.250	0.000	0.000	0.000	0.000	0.000
25.500	0.000	0.000	0.000	0.000	0.000
25.750	0.000	0.000	0.000	0.000	0.000
26.000	0.000	0.000	0.000	0.000	0.000
26.250	0.000	0.000	0.000	0.000	0.000
26.500	0.000	0.000	0.000	0.000	0.000
26.750	0.000	0.000	0.000	0.000	0.000
27.000	0.000	0.000	0.000	0.000	0.000
27.250	0.000	0.000	0.000	0.000	0.000
27.500	0.000	0.000	0.000	0.000	0.000
27.750	0.000	0.000	0.000	0.000	0.000
28.000	0.000	0.000	0.000	0.000	0.000
28.250	0.000	0.000	0.000	0.000	0.000
28.500	0.000	0.000	0.000	0.000	0.000
28.750	0.000	0.000	0.000	0.000	0.000
29.000	0.000	0.000	0.000	0.000	0.000
29.250	0.000	0.000	0.000	0.000	0.000
29.500	0.000	0.000	0.000	0.000	0.000
29.750	0.000	0.000	0.000	0.000	0.000
30.000	0.000	0.000	0.000	0.000	0.000
30.250	0.000	0.000	0.000	0.000	0.000
30.500	0.000	0.000	0.000	0.000	0.000
30.750	0.000	0.000	0.000	0.000	0.000
31.000	0.000	0.000	0.000	0.000	0.000
31.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
31.500	0.000	0.000	0.000	0.000	0.000
31.750	0.000	0.000	0.000	0.000	0.000
32.000	0.000	0.000	0.000	0.000	0.000
32.250	0.000	0.000	0.000	0.000	0.000
32.500	0.000	0.000	0.000	0.000	0.000
32.750	0.000	0.000	0.000	0.000	0.000
33.000	0.000	0.000	0.000	0.000	0.000
33.250	0.000	0.000	0.000	0.000	0.000
33.500	0.000	0.000	0.000	0.000	0.000
33.750	0.000	0.000	0.000	0.000	0.000
34.000	0.000	0.000	0.000	0.000	0.000
34.250	0.000	0.000	0.000	0.000	0.000
34.500	0.000	0.000	0.000	0.000	0.000
34.750	0.000	0.000	0.000	0.000	0.000
35.000	0.000	0.000	0.000	0.000	0.000
35.250	0.000	0.000	0.000	0.000	0.000
35.500	0.000	0.000	0.000	0.000	0.000
35.750	0.000	0.000	0.000	0.000	0.000
36.000	0.000	0.000	0.000	0.000	0.000
36.250	0.000	0.000	0.000	0.000	0.000
36.500	0.000	0.000	0.000	0.000	0.000
36.750	0.000	0.000	0.000	0.000	0.000
37.000	0.000	0.000	0.000	0.000	0.000
37.250	0.000	0.000	0.000	0.000	0.000
37.500	0.000	0.000	0.000	0.000	0.000
37.750	0.000	0.000	0.000	0.000	0.000
38.000	0.000	0.000	0.000	0.000	0.000
38.250	0.000	0.000	0.000	0.000	0.000
38.500	0.000	0.000	0.000	0.000	0.000
38.750	0.000	0.000	0.000	0.000	0.000
39.000	0.000	0.000	0.000	0.000	0.000
39.250	0.000	0.000	0.000	0.000	0.000
39.500	0.000	0.000	0.000	0.000	0.000
39.750	0.000	0.000	0.000	0.000	0.000
40.000	0.000	0.000	0.000	0.000	0.000
40.250	0.000	0.000	0.000	0.000	0.000
40.500	0.000	0.000	0.000	0.000	0.000
40.750	0.000	0.000	0.000	0.000	0.000
41.000	0.000	0.000	0.000	0.000	0.000
41.250	0.000	0.000	0.000	0.000	0.000
41.500	0.000	0.000	0.000	0.000	0.000
41.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
42.000	0.000	0.000	0.000	0.000	0.000
42.250	0.000	0.000	0.000	0.000	0.000
42.500	0.000	0.000	0.000	0.000	0.000
42.750	0.000	0.000	0.000	0.000	0.000
43.000	0.000	0.000	0.000	0.000	0.000
43.250	0.000	0.000	0.000	0.000	0.000
43.500	0.000	0.000	0.000	0.000	0.000
43.750	0.000	0.000	0.000	0.000	0.000
44.000	0.000	0.000	0.000	0.000	0.000
44.250	0.000	0.000	0.000	0.000	0.000
44.500	0.000	0.000	0.000	0.000	0.000
44.750	0.000	0.000	0.000	0.000	0.000
45.000	0.000	0.000	0.000	0.000	0.000
45.250	0.000	0.000	0.000	0.000	0.000
45.500	0.000	0.000	0.000	0.000	0.000
45.750	0.000	0.000	0.000	0.000	0.000
46.000	0.000	0.000	0.000	0.000	0.000
46.250	0.000	0.000	0.000	0.000	0.000
46.500	0.000	0.000	0.000	0.000	0.000
46.750	0.000	0.000	0.000	0.000	0.000
47.000	0.000	0.000	0.000	0.000	0.000
47.250	0.000	0.000	0.000	0.000	0.000
47.500	0.000	0.000	0.000	0.000	0.000
47.750	0.000	0.000	0.000	0.000	0.000
48.000	0.000	0.000	0.000	0.000	0.000
48.250	0.000	0.000	0.000	0.000	0.000
48.500	0.000	0.000	0.000	0.000	0.000
48.750	0.000	0.000	0.000	0.000	0.000
49.000	0.000	0.000	0.000	0.000	0.000
49.250	0.000	0.000	0.000	0.000	0.000
49.500	0.000	0.000	0.000	0.000	0.000
49.750	0.000	0.000	0.000	0.000	0.000
50.000	0.000	0.000	0.000	0.000	0.000
50.250	0.000	0.000	0.000	0.000	0.000
50.500	0.000	0.000	0.000	0.000	0.000
50.750	0.000	0.000	0.000	0.000	0.000
51.000	0.000	0.000	0.000	0.000	0.000
51.250	0.000	0.000	0.000	0.000	0.000
51.500	0.000	0.000	0.000	0.000	0.000
51.750	0.000	0.000	0.000	0.000	0.000
52.000	0.000	0.000	0.000	0.000	0.000
52.250	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
52.500	0.000	0.000	0.000	0.000	0.000
52.750	0.000	0.000	0.000	0.000	0.000
53.000	0.000	0.000	0.000	0.000	0.000
53.250	0.000	0.000	0.000	0.000	0.000
53.500	0.000	0.000	0.000	0.000	0.000
53.750	0.000	0.000	0.000	0.000	0.000
54.000	0.000	0.000	0.000	0.000	0.000
54.250	0.000	0.000	0.000	0.000	0.000
54.500	0.000	0.000	0.000	0.000	0.000
54.750	0.000	0.000	0.000	0.000	0.000
55.000	0.000	0.000	0.000	0.000	0.000
55.250	0.000	0.000	0.000	0.000	0.000
55.500	0.000	0.000	0.000	0.000	0.000
55.750	0.000	0.000	0.000	0.000	0.000
56.000	0.000	0.000	0.000	0.000	0.000
56.250	0.000	0.000	0.000	0.000	0.000
56.500	0.000	0.000	0.000	0.000	0.000
56.750	0.000	0.000	0.000	0.000	0.000
57.000	0.000	0.000	0.000	0.000	0.000
57.250	0.000	0.000	0.000	0.000	0.000
57.500	0.000	0.000	0.000	0.000	0.000
57.750	0.000	0.000	0.000	0.000	0.000
58.000	0.000	0.000	0.000	0.000	0.000
58.250	0.000	0.000	0.000	0.000	0.000
58.500	0.000	0.000	0.000	0.000	0.000
58.750	0.000	0.000	0.000	0.000	0.000
59.000	0.000	0.000	0.000	0.000	0.000
59.250	0.000	0.000	0.000	0.000	0.000
59.500	0.000	0.000	0.000	0.000	0.000
59.750	0.000	0.000	0.000	0.000	0.000
60.000	0.000	0.000	0.000	0.000	0.000
60.250	0.000	0.000	0.000	0.000	0.000
60.500	0.000	0.000	0.000	0.000	0.000
60.750	0.000	0.000	0.000	0.000	0.000
61.000	0.000	0.000	0.000	0.000	0.000
61.250	0.000	0.000	0.000	0.000	0.000
61.500	0.000	0.000	0.000	0.000	0.000
61.750	0.000	0.000	0.000	0.000	0.000
62.000	0.000	0.000	0.000	0.000	0.000
62.250	0.000	0.000	0.000	0.000	0.000
62.500	0.000	0.000	0.000	0.000	0.000
62.750	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 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 (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
63.000	0.000	0.000	0.000	0.000	0.000
63.250	0.000	0.000	0.000	0.000	0.000
63.500	0.000	0.000	0.000	0.000	0.000
63.750	0.000	0.000	0.000	0.000	0.000
64.000	0.000	0.000	0.000	0.000	0.000
64.250	0.000	0.000	0.000	0.000	0.000
64.500	0.000	0.000	0.000	0.000	0.000
64.750	0.000	0.000	0.000	0.000	0.000
65.000	0.000	0.000	0.000	0.000	0.000
65.250	0.000	0.000	0.000	0.000	0.000
65.500	0.000	0.000	0.000	0.000	0.000
65.750	0.000	0.000	0.000	0.000	0.000
66.000	0.000	0.000	0.000	0.000	0.000
66.250	0.000	0.000	0.000	0.000	0.000
66.500	0.000	0.000	0.000	0.000	0.000
66.750	0.000	0.000	0.000	0.000	0.000
67.000	0.000	0.000	0.000	0.000	0.000
67.250	0.000	0.000	0.000	0.000	0.000
67.500	0.000	0.000	0.000	0.000	0.000
67.750	0.000	0.000	0.000	0.000	0.000
68.000	0.000	0.000	0.000	0.000	0.000
68.250	0.000	0.000	0.000	0.000	0.000
68.500	0.000	0.000	0.000	0.000	0.000
68.750	0.000	0.000	0.000	0.000	0.000
69.000	0.000	0.000	0.000	0.000	0.000
69.250	0.000	0.000	0.000	0.000	0.000
69.500	0.000	0.000	0.000	0.000	0.000
69.750	0.000	0.000	0.000	0.000	0.000
70.000	0.000	0.000	0.000	0.000	0.000
70.250	0.000	0.000	0.000	0.000	0.000
70.500	0.000	0.000	0.000	0.000	0.000
70.750	0.000	0.000	0.000	0.000	0.000
71.000	0.000	0.000	0.000	0.000	0.000
71.250	0.000	0.000	0.000	0.000	0.000
71.500	0.000	0.000	0.000	0.000	0.000
71.750	0.000	0.000	0.000	0.000	0.000
72.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Elevation-Area Volume Curve
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Elevation (ft)	Planimeter (ft²)	Area (ft²)	A1+A2+sqr (A1*A2) (ft²)	Volume (ft³)	Volume (Total) (ft³)
440.00	0.0	11,106.908	0.000	0.000	0.000
442.00	0.0	14,531.250	38,342.380	25,562.000	25,562.000
444.00	0.0	18,349.557	49,209.983	32,807.000	58,368.000
446.00	0.0	22,274.163	60,840.570	40,560.000	98,929.000

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

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

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

Subsection: Elevation-Area Volume Curve
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Elevation (ft)	Planimeter (ft²)	Area (ft²)	A1+A2+sqr (A1*A2) (ft²)	Volume (ft³)	Volume (Total) (ft³)
432.00	0.0	15,362.204	0.000	0.000	0.000
434.00	0.0	19,464.658	52,119.059	34,746.000	34,746.000
436.00	0.0	23,629.004	64,539.653	43,026.000	77,772.000
437.00	0.0	25,793.187	74,109.583	24,703.000	102,476.000

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

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

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

Subsection: Elevation-Area Volume Curve
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Elevation (ft)	Planimeter (ft²)	Area (ft²)	A1+A2+sqr (A1*A2) (ft²)	Volume (ft³)	Volume (Total) (ft³)
434.00	0.0	13,523.629	0.000	0.000	0.000
436.00	0.0	17,428.535	46,304.592	30,870.000	30,870.000
438.00	0.0	21,681.485	58,549.065	39,033.000	69,902.000
438.25	0.0	22,181.010	65,792.319	5,483.000	75,385.000

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

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

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

Subsection: Elevation-Area Volume Curve
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Elevation (ft)	Planimeter (ft^2)	Area (ft^2)	A1+A2+sqr (A1*A2) (ft^2)	Volume (ft^3)	Volume (Total) (ft^3)
428.00	0.0	7,072.330	0.000	0.000	0.000
428.75	0.0	8,305.597	23,042.125	5,761.000	5,761.000
429.50	0.0	10,254.257	27,788.490	6,947.000	12,708.000
430.00	0.0	10,466.057	31,079.929	5,180.000	17,888.000

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

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

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

Subsection: Elevation-Area Volume Curve
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Elevation (ft)	Planimeter (ft²)	Area (ft²)	A1+A2+sqr (A1*A2) (ft²)	Volume (ft³)	Volume (Total) (ft³)
427.00	0.0	10,246.886	0.000	0.000	0.000
428.50	0.0	12,382.754	33,893.950	16,947.000	16,947.000
429.00	0.0	13,122.984	38,253.235	6,376.000	23,323.000

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

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

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

Subsection: Outlet Input Data
Label: OCS 1B-1
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	428.00 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	430.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Inlet Box	Riser - 1	Forward	Culvert - 1	428.60	430.00
Culvert-Circular	Culvert - 1	Forward	TW	424.80	430.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: OCS 1B-1
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Structure ID: Culvert - 1 Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	85.50 ft
Length (Computed Barrel)	85.52 ft
Slope (Computed)	0.021 ft/ft

Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.000
Convergence Tolerance	0.00 ft

Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	1.085
T2 ratio (HW/D)	1.187
Slope Correction Factor	-0.500

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

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

T1 Elevation	426.43 ft	T1 Flow	7.58 ft³/s
T2 Elevation	426.58 ft	T2 Flow	8.66 ft³/s

Structure ID: Riser - 1 Structure Type: Inlet Box	
Number of Openings	1
Elevation	428.60 ft
Orifice Area	4.0 ft²
Orifice Coefficient	0.600
Weir Length	8.00 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	False

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

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

Subsection: Outlet Input Data
Label: OCS 1C-1
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	427.00 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	429.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Inlet Box	Riser - 1	Forward	Culvert - 1	427.90	429.00
Culvert-Circular	Culvert - 1	Forward	TW	423.80	429.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: OCS 1C-1
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Structure ID: Culvert - 1 Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	64.50 ft
Length (Computed Barrel)	64.50 ft
Slope (Computed)	0.012 ft/ft

Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.000
Convergence Tolerance	0.00 ft

Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	1.089
T2 ratio (HW/D)	1.191
Slope Correction Factor	-0.500

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

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

T1 Elevation	425.43 ft	T1 Flow	7.58 ft³/s
T2 Elevation	425.59 ft	T2 Flow	8.66 ft³/s

Structure ID: Riser - 1 Structure Type: Inlet Box	
Number of Openings	1
Elevation	427.90 ft
Orifice Area	16.0 ft²
Orifice Coefficient	0.600
Weir Length	16.00 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	False

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

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

Subsection: Outlet Input Data
Label: OCS 1D-2
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	440.00 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	446.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Inlet Box	Riser - 1	Forward	Culvert - 1	442.00	446.00
Culvert-Circular	Culvert - 1	Forward	TW	439.00	446.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: OCS 1D-2
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Structure ID: Culvert - 1 Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	15.0 in
Length	123.55 ft
Length (Computed Barrel)	124.84 ft
Slope (Computed)	0.145 ft/ft

Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.023
Kr	0.000
Convergence Tolerance	0.00 ft

Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	0.000
T2 ratio (HW/D)	1.125
Slope Correction Factor	-0.500

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

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

T1 Elevation	439.00 ft	T1 Flow	4.80 ft³/s
T2 Elevation	440.41 ft	T2 Flow	5.49 ft³/s

Structure ID: Riser - 1 Structure Type: Inlet Box	
Number of Openings	1
Elevation	442.00 ft
Orifice Area	4.0 ft²
Orifice Coefficient	0.600
Weir Length	8.00 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	False

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

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

Subsection: Outlet Input Data
Label: OCS 2B-2
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	432.00 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	437.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Inlet Box	Riser - 1	Forward	Culvert - 1	434.85	437.00
Culvert-Circular	Culvert - 1	Forward	TW	430.00	437.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: OCS 2B-2
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Structure ID: Riser - 1 Structure Type: Inlet Box	
Number of Openings	1
Elevation	434.85 ft
Orifice Area	4.0 ft²
Orifice Coefficient	0.600
Weir Length	8.00 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	False

Structure ID: Culvert - 1 Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	18.0 in
Length	45.53 ft
Length (Computed Barrel)	45.53 ft
Slope (Computed)	0.011 ft/ft

Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.018
Kr	0.000
Convergence Tolerance	0.00 ft

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

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

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

T1 Elevation	431.63 ft	T1 Flow	7.58 ft³/s
T2 Elevation	431.79 ft	T2 Flow	8.66 ft³/s

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

Tailwater Type	Free Outfall

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

Subsection: Outlet Input Data
Label: OCS 3A-2
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	434.00 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	438.25 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Inlet Box	Riser - 1	Forward	Culvert - 1	436.35	438.25
Culvert-Circular	Culvert - 1	Forward	TW	432.30	438.25
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: OCS 3A-2
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Structure ID: Riser - 1 Structure Type: Inlet Box	
Number of Openings	1
Elevation	436.35 ft
Orifice Area	4.0 ft²
Orifice Coefficient	0.600
Weir Length	8.00 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	False

Structure ID: Culvert - 1 Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	15.0 in
Length	53.35 ft
Length (Computed Barrel)	53.40 ft
Slope (Computed)	0.043 ft/ft

Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.023
Kr	0.000
Convergence Tolerance	0.00 ft

Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	1.074
T2 ratio (HW/D)	1.176
Slope Correction Factor	-0.500

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

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

T1 Elevation	433.64 ft	T1 Flow	4.80 ft³/s
T2 Elevation	433.77 ft	T2 Flow	5.49 ft³/s

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

Tailwater Type	Free Outfall

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

Subsection: Outlet Input Data
Label: Spillway [Bio-1B > Bio-1C]
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Requested Pond Water Surface Elevations	
Minimum (Headwater)	428.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	430.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Spillway	Forward	TW	429.50	430.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Structure ID: Spillway
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
0.00	430.00
1.50	429.50
21.50	429.50
23.00	430.00

Lowest Elevation	429.50 ft
Weir Coefficient	3.00 (ft^0.5)/s

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

Tailwater Type	Free Outfall

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

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.7500 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	440.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
440.00	0.00	0.000	11,106.908	0.00	0.00	0.00
440.05	0.00	557.344	11,186.917	2.27	2.27	8.46
440.10	0.00	1,118.697	11,267.214	2.28	2.28	14.71
440.15	0.00	1,684.071	11,347.797	2.30	2.30	21.01
440.20	0.00	2,253.481	11,428.668	2.31	2.31	27.35
440.25	0.00	2,826.942	11,509.826	2.33	2.33	33.74
440.30	0.00	3,404.468	11,591.271	2.35	2.35	40.18
440.35	0.00	3,986.074	11,673.003	2.36	2.36	46.65
440.40	0.00	4,571.773	11,755.022	2.38	2.38	53.18
440.45	0.00	5,161.581	11,837.329	2.40	2.40	59.75
440.50	0.00	5,755.511	11,919.922	2.41	2.41	66.36
440.55	0.00	6,353.578	12,002.803	2.43	2.43	73.03
440.60	0.00	6,955.796	12,085.971	2.45	2.45	79.73
440.65	0.00	7,562.180	12,169.426	2.46	2.46	86.49
440.70	0.00	8,172.744	12,253.168	2.48	2.48	93.29
440.75	0.00	8,787.501	12,337.197	2.50	2.50	100.14
440.80	0.00	9,406.468	12,421.513	2.52	2.52	107.03
440.85	0.00	10,029.658	12,506.117	2.53	2.53	113.97
440.90	0.00	10,657.084	12,591.008	2.55	2.55	120.96
440.95	0.00	11,288.763	12,676.185	2.57	2.57	128.00
441.00	0.00	11,924.708	12,761.650	2.58	2.58	135.08
441.05	0.00	12,564.933	12,847.403	2.60	2.60	142.21
441.10	0.00	13,209.453	12,933.442	2.62	2.62	149.39
441.15	0.00	13,858.282	13,019.768	2.64	2.64	156.62
441.20	0.00	14,511.434	13,106.382	2.65	2.65	163.89
441.25	0.00	15,168.925	13,193.282	2.67	2.67	171.22
441.30	0.00	15,830.768	13,280.470	2.69	2.69	178.59
441.35	0.00	16,496.977	13,367.945	2.71	2.71	186.01
441.40	0.00	17,167.567	13,455.707	2.73	2.73	193.48

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
441.45	0.00	17,842.552	13,543.757	2.74	2.74	200.99
441.50	0.00	18,521.947	13,632.093	2.76	2.76	208.56
441.55	0.00	19,205.766	13,720.717	2.78	2.78	216.18
441.60	0.00	19,894.024	13,809.627	2.80	2.80	223.84
441.65	0.00	20,586.734	13,898.825	2.82	2.82	231.56
441.70	0.00	21,283.911	13,988.310	2.83	2.83	239.32
441.75	0.00	21,985.570	14,078.082	2.85	2.85	247.14
441.80	0.00	22,691.724	14,168.141	2.87	2.87	255.00
441.85	0.00	23,402.389	14,258.488	2.89	2.89	262.91
441.90	0.00	24,117.578	14,349.121	2.91	2.91	270.88
441.95	0.00	24,837.305	14,440.042	2.92	2.92	278.89
442.00	0.00	25,561.587	14,531.250	2.94	2.94	286.96
442.05	0.27	26,290.399	14,621.285	2.96	3.23	295.35
442.10	0.76	27,023.720	14,711.599	2.98	3.74	304.00
442.15	1.39	27,761.563	14,802.190	3.00	4.39	312.85
442.20	2.15	28,503.943	14,893.060	3.02	5.16	321.87
442.25	3.00	29,250.874	14,984.207	3.03	6.03	331.04
442.30	3.94	30,002.369	15,075.633	3.05	7.00	340.36
442.35	4.97	30,758.442	15,167.337	3.07	8.04	349.80
442.40	6.07	31,519.107	15,259.319	3.09	9.16	359.37
442.45	7.25	32,284.378	15,351.579	3.11	10.36	369.07
442.50	8.49	33,054.270	15,444.117	3.13	11.62	378.89
442.55	9.79	33,828.795	15,536.933	3.15	12.93	388.81
442.60	11.15	34,607.967	15,630.027	3.17	14.32	398.85
442.65	11.69	35,391.802	15,723.399	3.18	14.88	408.12
442.70	11.79	36,180.312	15,817.049	3.20	15.00	417.00
442.75	11.89	36,973.511	15,910.977	3.22	15.11	425.93
442.80	11.99	37,771.414	16,005.184	3.24	15.23	434.92
442.85	12.09	38,574.034	16,099.668	3.26	15.35	443.95
442.90	12.19	39,381.386	16,194.431	3.28	15.47	453.04
442.95	12.28	40,193.482	16,289.471	3.30	15.58	462.18
443.00	12.38	41,010.338	16,384.790	3.32	15.70	471.37
443.05	12.48	41,831.966	16,480.387	3.34	15.81	480.61
443.10	12.57	42,658.381	16,576.261	3.36	15.93	489.91
443.15	12.67	43,489.597	16,672.414	3.38	16.04	499.26
443.20	12.76	44,325.627	16,768.845	3.40	16.16	508.66
443.25	12.85	45,166.486	16,865.554	3.42	16.27	518.12
443.30	12.95	46,012.187	16,962.541	3.44	16.38	527.63
443.35	13.04	46,862.745	17,059.806	3.46	16.49	537.19
443.40	13.13	47,718.172	17,157.350	3.48	16.60	546.80
443.45	13.21	48,578.484	17,255.171	3.49	16.71	556.47
443.50	13.31	49,443.694	17,353.270	3.51	16.82	566.20
443.55	13.40	50,313.816	17,451.648	3.53	16.93	575.97
443.60	13.49	51,188.863	17,550.303	3.55	17.04	585.81
443.65	13.57	52,068.851	17,649.237	3.57	17.15	595.69

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
443.70	13.66	52,953.792	17,748.448	3.59	17.26	605.63
443.75	13.75	53,843.700	17,847.938	3.62	17.36	615.63
443.80	13.83	54,738.590	17,947.706	3.64	17.47	625.68
443.85	13.92	55,638.475	18,047.751	3.66	17.57	635.78
443.90	14.00	56,543.370	18,148.075	3.68	17.68	645.94
443.95	14.09	57,453.288	18,248.677	3.70	17.78	656.15
444.00	14.17	58,368.242	18,349.557	3.72	17.89	666.43
444.05	14.26	59,288.056	18,443.041	3.74	17.99	676.75
444.10	14.34	60,212.550	18,536.762	3.75	18.10	687.12
444.15	14.42	61,141.736	18,630.720	3.77	18.19	697.55
444.20	14.50	62,075.626	18,724.916	3.79	18.30	708.03
444.25	14.59	63,014.232	18,819.349	3.81	18.40	718.56
444.30	14.67	63,957.565	18,914.021	3.83	18.50	729.14
444.35	14.75	64,905.638	19,008.929	3.85	18.60	739.77
444.40	14.83	65,858.462	19,104.075	3.87	18.70	750.46
444.45	14.91	66,816.049	19,199.459	3.89	18.80	761.20
444.50	14.99	67,778.412	19,295.080	3.91	18.90	771.99
444.55	15.07	68,745.561	19,390.939	3.93	18.99	782.83
444.60	15.15	69,717.510	19,487.035	3.95	19.09	793.73
444.65	15.22	70,694.269	19,583.368	3.97	19.19	804.68
444.70	15.30	71,675.850	19,679.940	3.99	19.29	815.68
444.75	15.38	72,662.267	19,776.748	4.01	19.38	826.74
444.80	15.46	73,653.529	19,873.795	4.03	19.48	837.85
444.85	15.53	74,649.650	19,971.079	4.05	19.58	849.02
444.90	15.61	75,650.641	20,068.600	4.06	19.67	860.23
444.95	15.68	76,656.514	20,166.359	4.08	19.77	871.51
445.00	15.76	77,667.281	20,264.355	4.10	19.86	882.83
445.05	15.83	78,682.954	20,362.589	4.12	19.96	894.21
445.10	15.91	79,703.544	20,461.060	4.14	20.05	905.65
445.15	15.98	80,729.064	20,559.769	4.16	20.15	917.14
445.20	16.06	81,759.525	20,658.716	4.18	20.24	928.68
445.25	16.13	82,794.939	20,757.900	4.20	20.34	940.28
445.30	16.21	83,835.319	20,857.321	4.22	20.43	951.93
445.35	16.28	84,880.675	20,956.981	4.24	20.52	963.64
445.40	16.35	85,931.021	21,056.877	4.26	20.62	975.41
445.45	16.42	86,986.367	21,157.011	4.29	20.71	987.22
445.50	16.50	88,046.726	21,257.383	4.31	20.80	999.10
445.55	16.57	89,112.109	21,357.992	4.33	20.89	1,011.03
445.60	16.64	90,182.529	21,458.839	4.35	20.99	1,023.01
445.65	16.71	91,257.997	21,559.923	4.37	21.08	1,035.05
445.70	16.78	92,338.525	21,661.245	4.39	21.17	1,047.15
445.75	16.85	93,424.125	21,762.804	4.41	21.26	1,059.31
445.80	16.92	94,514.809	21,864.601	4.43	21.35	1,071.51
445.85	16.99	95,610.589	21,966.635	4.45	21.44	1,083.78
445.90	17.06	96,711.477	22,068.907	4.47	21.53	1,096.10

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 1D
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
445.95	17.13	97,817.484	22,171.416	4.49	21.62	1,108.48
446.00	17.20	98,928.623	22,274.163	4.51	21.71	1,120.92

Subsection: Level Pool Pond Routing Summary
Label: Inf. Basin 1D (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.7500 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	440.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	8.27 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	2.35 ft³/s	Time to Peak (Infiltration)	12.250 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	440.32 ft
Volume (Peak)	3,641.135 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	21,782.000 ft³
Volume (Total Infiltration)	21,782.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out) Return Event: 1 years
Label: Inf. Basin 1D (OUT) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.9300 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	432.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
432.00	0.00	0.000	15,362.204	0.00	0.00	0.00
432.05	0.00	770.525	15,458.855	1.05	1.05	9.61
432.10	0.00	1,545.891	15,555.810	1.06	1.06	18.23
432.15	0.00	2,326.111	15,653.067	1.06	1.06	26.91
432.20	0.00	3,111.202	15,750.627	1.07	1.07	35.64
432.25	0.00	3,901.179	15,848.491	1.07	1.07	44.42
432.30	0.00	4,696.056	15,946.657	1.08	1.08	53.26
432.35	0.00	5,495.850	16,045.127	1.09	1.09	62.15
432.40	0.00	6,300.574	16,143.900	1.09	1.09	71.10
432.45	0.00	7,110.245	16,242.976	1.10	1.10	80.10
432.50	0.00	7,924.877	16,342.355	1.11	1.11	89.16
432.55	0.00	8,744.485	16,442.037	1.12	1.12	98.28
432.60	0.00	9,569.086	16,542.022	1.12	1.12	107.45
432.65	0.00	10,398.693	16,642.310	1.13	1.13	116.67
432.70	0.00	11,233.322	16,742.901	1.14	1.14	125.95
432.75	0.00	12,072.988	16,843.796	1.14	1.14	135.29
432.80	0.00	12,917.706	16,944.993	1.15	1.15	144.68
432.85	0.00	13,767.492	17,046.494	1.16	1.16	154.13
432.90	0.00	14,622.361	17,148.297	1.16	1.16	163.63
432.95	0.00	15,482.327	17,250.404	1.17	1.17	173.20
433.00	0.00	16,347.406	17,352.814	1.18	1.18	182.81
433.05	0.00	17,217.613	17,455.527	1.18	1.18	192.49
433.10	0.00	18,092.964	17,558.543	1.19	1.19	202.22
433.15	0.00	18,973.473	17,661.862	1.20	1.20	212.01
433.20	0.00	19,859.155	17,765.484	1.20	1.20	221.86
433.25	0.00	20,750.026	17,869.409	1.21	1.21	231.77
433.30	0.00	21,646.101	17,973.637	1.22	1.22	241.73
433.35	0.00	22,547.395	18,078.169	1.23	1.23	251.75
433.40	0.00	23,453.923	18,183.003	1.23	1.23	261.83

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
433.45	0.00	24,365.700	18,288.141	1.24	1.24	271.97
433.50	0.00	25,282.742	18,393.582	1.25	1.25	282.17
433.55	0.00	26,205.064	18,499.325	1.25	1.25	292.42
433.60	0.00	27,132.680	18,605.372	1.26	1.26	302.74
433.65	0.00	28,065.606	18,711.722	1.27	1.27	313.11
433.70	0.00	29,003.857	18,818.375	1.28	1.28	323.54
433.75	0.00	29,947.448	18,925.331	1.28	1.28	334.03
433.80	0.00	30,896.395	19,032.591	1.29	1.29	344.58
433.85	0.00	31,850.713	19,140.153	1.30	1.30	355.19
433.90	0.00	32,810.416	19,248.018	1.31	1.31	365.87
433.95	0.00	33,775.519	19,356.187	1.31	1.31	376.60
434.00	0.00	34,746.039	19,464.658	1.32	1.32	387.39
434.05	0.00	35,721.751	19,563.851	1.33	1.33	398.24
434.10	0.00	36,702.429	19,663.296	1.33	1.33	409.14
434.15	0.00	37,688.085	19,762.993	1.34	1.34	420.10
434.20	0.00	38,678.732	19,862.942	1.35	1.35	431.11
434.25	0.00	39,674.383	19,963.143	1.35	1.35	442.18
434.30	0.00	40,675.050	20,063.596	1.36	1.36	453.31
434.35	0.00	41,680.747	20,164.301	1.37	1.37	464.49
434.40	0.00	42,691.485	20,265.258	1.37	1.37	475.72
434.45	0.00	43,707.277	20,366.468	1.38	1.38	487.02
434.50	0.00	44,728.136	20,467.929	1.39	1.39	498.37
434.55	0.00	45,754.074	20,569.643	1.40	1.40	509.77
434.60	0.00	46,785.104	20,671.609	1.40	1.40	521.24
434.65	0.00	47,821.239	20,773.827	1.41	1.41	532.76
434.70	0.00	48,862.491	20,876.297	1.42	1.42	544.33
434.75	0.00	49,908.873	20,979.019	1.42	1.42	555.97
434.80	0.00	50,960.397	21,081.993	1.43	1.43	567.66
434.85	0.00	52,017.076	21,185.219	1.44	1.44	579.40
434.90	0.27	53,078.923	21,288.698	1.44	1.71	591.48
434.95	0.76	54,145.950	21,392.428	1.45	2.21	603.83
435.00	1.39	55,218.170	21,496.411	1.46	2.85	616.39
435.05	2.15	56,295.596	21,600.645	1.47	3.61	629.12
435.10	3.00	57,378.239	21,705.132	1.47	4.47	642.01
435.15	3.94	58,466.113	21,809.871	1.48	5.42	655.05
435.20	4.97	59,559.230	21,914.862	1.49	6.45	668.22
435.25	6.07	60,657.604	22,020.105	1.49	7.56	681.54
435.30	7.24	61,761.245	22,125.601	1.50	8.74	694.97
435.35	8.48	62,870.168	22,231.348	1.51	9.99	708.55
435.40	9.79	63,984.384	22,337.347	1.52	11.30	722.24
435.45	11.16	65,103.907	22,443.599	1.52	12.68	736.06
435.50	12.58	66,228.748	22,550.102	1.53	14.11	749.98
435.55	14.05	67,358.921	22,656.858	1.54	15.59	764.02
435.60	15.59	68,494.438	22,763.866	1.54	17.13	778.18
435.65	17.17	69,635.312	22,871.126	1.55	18.72	792.45

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 2B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
435.70	17.75	70,781.555	22,978.638	1.56	19.31	805.77
435.75	18.26	71,933.180	23,086.402	1.57	19.83	819.09
435.80	18.76	73,090.199	23,194.418	1.57	20.34	832.45
435.85	19.25	74,252.626	23,302.687	1.58	20.83	845.86
435.90	19.73	75,420.472	23,411.207	1.59	21.32	859.32
435.95	20.19	76,593.751	23,519.980	1.60	21.79	872.83
436.00	20.65	77,772.475	23,629.004	1.60	22.25	886.39
436.05	21.09	78,956.573	23,734.962	1.61	22.70	899.99
436.10	21.52	80,145.975	23,841.156	1.62	23.14	913.65
436.15	21.95	81,340.692	23,947.587	1.62	23.58	927.36
436.20	22.37	82,540.737	24,054.256	1.63	24.00	941.12
436.25	22.68	83,746.122	24,161.161	1.64	24.32	954.83
436.30	22.79	84,956.857	24,268.304	1.65	24.43	968.40
436.35	22.90	86,172.956	24,375.683	1.65	24.55	982.03
436.40	23.01	87,394.430	24,483.300	1.66	24.67	995.72
436.45	23.11	88,621.290	24,591.153	1.67	24.78	1,009.46
436.50	23.22	89,853.549	24,699.244	1.68	24.89	1,023.27
436.55	23.32	91,091.218	24,807.571	1.68	25.01	1,037.13
436.60	23.43	92,334.310	24,916.136	1.69	25.12	1,051.06
436.65	23.53	93,582.836	25,024.938	1.70	25.23	1,065.04
436.70	23.64	94,836.808	25,133.977	1.70	25.34	1,079.09
436.75	23.74	96,096.237	25,243.252	1.71	25.45	1,093.19
436.80	23.85	97,361.137	25,352.765	1.72	25.57	1,107.36
436.85	23.95	98,631.518	25,462.515	1.73	25.68	1,121.58
436.90	24.05	99,907.392	25,572.502	1.73	25.78	1,135.87
436.95	24.15	101,188.772	25,682.726	1.74	25.90	1,150.22
437.00	24.26	102,475.669	25,793.187	1.75	26.01	1,164.62

Subsection: Level Pool Pond Routing Summary
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.9300 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	432.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	14.14 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.15 ft³/s	Time to Peak (Infiltration)	12.750 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	432.81 ft
Volume (Peak)	13,103.137 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	35,405.000 ft³
Volume (Total Infiltration)	35,405.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.9300 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	432.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	29.06 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.35 ft³/s	Time to Peak (Infiltration)	14.050 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	434.23 ft
Volume (Peak)	39,373.378 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	86,750.000 ft³
Volume (Total Infiltration)	86,750.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Basin 2B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.9300 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	432.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	56.40 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.55 ft³/s	Time to Peak (Infiltration)	12.250 hours
Flow (Peak Outlet)	16.54 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)	435.63 ft
Volume (Peak)	69,179.348 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	199,632.000 ft³
Volume (Total Infiltration)	136,361.000 ft³
Volume (Total Outlet Outflow)	63,272.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out) Return Event: 1 years
Label: Inf. Basin 2B (OUT) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Routed Hydrograph (total out) Return Event: 10 years
Label: Inf. Basin 2B (OUT) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Routed Hydrograph (total out) Return Event: 100 years
Label: Inf. Basin 2B (OUT) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Peak Discharge	16.54 ft³/s
Time to Peak	12.250 hours
Hydrograph Volume	63,271.601 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
12.000	0.00	4.80	11.11	14.69	16.23
12.250	16.54	16.27	15.72	15.07	14.38
12.500	13.66	12.80	11.70	10.52	9.43
12.750	8.47	7.67	6.99	6.45	5.98
13.000	5.57	5.18	4.81	4.49	4.21
13.250	3.97	3.78	3.61	3.42	3.24
13.500	3.07	2.94	2.83	2.73	2.65
13.750	2.56	2.45	2.34	2.23	2.14
14.000	2.06	2.00	1.94	1.89	1.85
14.250	1.80	1.72	1.65	1.61	1.58
14.500	1.53	1.46	1.40	1.35	1.31
14.750	1.27	1.24	1.21	1.18	1.15
15.000	1.13	1.10	1.05	0.99	0.96
15.250	0.96	0.95	0.94	0.90	0.86
15.500	0.85	0.84	0.81	0.77	0.74
15.750	0.70	0.68	0.66	0.66	0.67
16.000	0.66	0.64	0.62	0.60	0.58
16.250	0.56	0.54	0.53	0.51	0.50
16.500	0.49	0.48	0.47	0.45	0.41
16.750	0.37	0.35	0.35	0.35	0.35
17.000	0.35	0.34	0.31	0.28	0.27
17.250	0.27	0.25	0.24	0.23	0.24
17.500	0.24	0.24	0.23	0.22	0.21
17.750	0.21	0.20	0.18	0.17	0.15
18.000	0.15	0.15	0.15	0.13	0.12
18.250	0.10	0.11	0.11	0.10	0.09
18.500	0.08	0.07	0.07	0.08	0.07
18.750	0.06	0.05	0.04	0.02	0.01
19.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.3000 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	434.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
434.00	0.00	0.000	13,523.629	0.00	0.00	0.00
434.05	0.00	678.470	13,615.224	2.62	2.62	10.15
434.10	0.00	1,361.528	13,707.128	2.63	2.63	17.76
434.15	0.00	2,049.188	13,799.340	2.65	2.65	25.42
434.20	0.00	2,741.467	13,891.862	2.67	2.67	33.13
434.25	0.00	3,438.379	13,984.693	2.69	2.69	40.89
434.30	0.00	4,139.941	14,077.833	2.70	2.70	48.70
434.35	0.00	4,846.168	14,171.283	2.72	2.72	56.57
434.40	0.00	5,557.075	14,265.041	2.74	2.74	64.49
434.45	0.00	6,272.677	14,359.109	2.76	2.76	72.46
434.50	0.00	6,992.991	14,453.485	2.78	2.78	80.48
434.55	0.00	7,718.031	14,548.171	2.80	2.80	88.55
434.60	0.00	8,447.813	14,643.166	2.81	2.81	96.68
434.65	0.00	9,182.353	14,738.470	2.83	2.83	104.86
434.70	0.00	9,921.665	14,834.084	2.85	2.85	113.09
434.75	0.00	10,665.766	14,930.006	2.87	2.87	121.38
434.80	0.00	11,414.671	15,026.238	2.89	2.89	129.72
434.85	0.00	12,168.395	15,122.778	2.91	2.91	138.11
434.90	0.00	12,926.954	15,219.628	2.92	2.92	146.56
434.95	0.00	13,690.363	15,316.787	2.94	2.94	155.06
435.00	0.00	14,458.638	15,414.255	2.96	2.96	163.61
435.05	0.00	15,231.794	15,512.032	2.98	2.98	172.22
435.10	0.00	16,009.846	15,610.119	3.00	3.00	180.89
435.15	0.00	16,792.811	15,708.514	3.02	3.02	189.60
435.20	0.00	17,580.703	15,807.219	3.04	3.04	198.38
435.25	0.00	18,373.538	15,906.232	3.06	3.06	207.21
435.30	0.00	19,171.331	16,005.555	3.08	3.08	216.09
435.35	0.00	19,974.098	16,105.187	3.09	3.09	225.03
435.40	0.00	20,781.855	16,205.129	3.11	3.11	234.02

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
435.45	0.00	21,594.616	16,305.379	3.13	3.13	243.07
435.50	0.00	22,412.398	16,405.938	3.15	3.15	252.18
435.55	0.00	23,235.215	16,506.807	3.17	3.17	261.34
435.60	0.00	24,063.084	16,607.984	3.19	3.19	270.56
435.65	0.00	24,896.019	16,709.471	3.21	3.21	279.83
435.70	0.00	25,734.036	16,811.267	3.23	3.23	289.16
435.75	0.00	26,577.151	16,913.372	3.25	3.25	298.55
435.80	0.00	27,425.379	17,015.787	3.27	3.27	308.00
435.85	0.00	28,278.735	17,118.510	3.29	3.29	317.50
435.90	0.00	29,137.235	17,221.542	3.31	3.31	327.06
435.95	0.00	30,000.894	17,324.884	3.33	3.33	336.67
436.00	0.00	30,869.728	17,428.535	3.35	3.35	346.35
436.05	0.00	31,743.671	17,529.205	3.37	3.37	356.08
436.10	0.00	32,622.654	17,630.166	3.39	3.39	365.86
436.15	0.00	33,506.692	17,731.416	3.41	3.41	375.70
436.20	0.00	34,395.800	17,832.956	3.43	3.43	385.60
436.25	0.00	35,289.992	17,934.787	3.45	3.45	395.56
436.30	0.00	36,189.284	18,036.907	3.47	3.47	405.57
436.35	0.00	37,093.688	18,139.317	3.49	3.49	415.64
436.40	0.27	38,003.220	18,242.016	3.50	3.77	426.03
436.45	0.76	38,917.894	18,345.006	3.52	4.28	436.70
436.50	1.39	39,837.725	18,448.286	3.54	4.94	447.58
436.55	2.15	40,762.728	18,551.856	3.56	5.71	458.63
436.60	3.00	41,692.916	18,655.715	3.58	6.58	469.84
436.65	3.94	42,628.304	18,759.864	3.60	7.55	481.19
436.70	4.97	43,568.907	18,864.304	3.62	8.59	492.69
436.75	6.07	44,514.739	18,969.033	3.64	9.72	504.33
436.80	7.25	45,465.815	19,074.052	3.66	10.91	516.09
436.85	8.49	46,422.149	19,179.361	3.68	12.17	527.97
436.90	9.79	47,383.756	19,284.960	3.71	13.49	539.98
436.95	11.16	48,350.650	19,390.849	3.73	14.88	552.11
437.00	12.58	49,322.846	19,497.028	3.75	16.32	564.35
437.05	13.64	50,300.358	19,603.497	3.77	17.40	576.30
437.10	13.72	51,283.200	19,710.255	3.79	17.51	587.32
437.15	13.81	52,271.388	19,817.304	3.81	17.62	598.41
437.20	13.89	53,264.936	19,924.642	3.83	17.72	609.55
437.25	13.98	54,263.857	20,032.270	3.85	17.83	620.76
437.30	14.06	55,268.168	20,140.189	3.87	17.93	632.02
437.35	14.15	56,277.881	20,248.397	3.89	18.04	643.35
437.40	14.23	57,293.012	20,356.895	3.91	18.14	654.73
437.45	14.31	58,313.575	20,465.683	3.93	18.25	666.17
437.50	14.40	59,339.585	20,574.761	3.95	18.35	677.68
437.55	14.48	60,371.056	20,684.128	3.97	18.45	689.24
437.60	14.56	61,408.003	20,793.786	4.00	18.56	700.87
437.65	14.64	62,450.440	20,903.734	4.02	18.66	712.55

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Basin 3A
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
437.70	14.72	63,498.381	21,013.971	4.04	18.76	724.30
437.75	14.80	64,551.842	21,124.499	4.06	18.86	736.10
437.80	14.88	65,610.836	21,235.316	4.08	18.96	747.97
437.85	14.96	66,675.378	21,346.423	4.10	19.07	759.90
437.90	15.04	67,745.483	21,457.820	4.12	19.16	771.89
437.95	15.12	68,821.165	21,569.508	4.14	19.27	783.95
438.00	15.20	69,902.438	21,681.485	4.17	19.36	796.06
438.05	15.28	70,988.998	21,780.934	4.18	19.46	808.23
438.10	15.36	72,080.536	21,880.612	4.20	19.56	820.46
438.15	15.43	73,177.063	21,980.517	4.22	19.66	832.74
438.20	15.51	74,278.591	22,080.650	4.24	19.75	845.07
438.25	15.59	75,385.132	22,181.010	4.26	19.85	857.46

Subsection: Level Pool Pond Routing Summary
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.3000 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	434.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	10.02 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	2.71 ft³/s	Time to Peak (Infiltration)	12.250 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	434.32 ft
Volume (Peak)	4,489.878 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	25,472.000 ft³
Volume (Total Infiltration)	25,472.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.3000 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	434.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	22.37 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	3.06 ft³/s	Time to Peak (Infiltration)	12.600 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	435.26 ft
Volume (Peak)	18,546.539 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	66,334.000 ft³
Volume (Total Infiltration)	66,334.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Basin 3A (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.3000 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	434.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	45.39 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	3.66 ft³/s	Time to Peak (Infiltration)	12.450 hours
Flow (Peak Outlet)	6.99 ft³/s	Time to Peak (Flow, Outlet)	12.450 hours

Elevation (Water Surface, Peak)	436.79 ft
Volume (Peak)	45,255.107 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	158,487.000 ft³
Volume (Total Infiltration)	141,163.000 ft³
Volume (Total Outlet Outflow)	17,324.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out) Return Event: 1 years
Label: Inf. Basin 3A (OUT) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Routed Hydrograph (total out) Return Event: 10 years
Label: Inf. Basin 3A (OUT) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Routed Hydrograph (total out) Return Event: 100 years
Label: Inf. Basin 3A (OUT) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Peak Discharge	6.99 ft³/s
Time to Peak	12.450 hours
Hydrograph Volume	17,323.655 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
12.100	0.00	1.63	3.72	5.18	6.11
12.350	6.65	6.92	6.99	6.90	6.60
12.600	6.01	5.31	4.64	4.03	3.51
12.850	3.06	2.71	2.40	2.12	1.86
13.100	1.62	1.38	1.20	1.05	0.91
13.350	0.78	0.66	0.55	0.45	0.35
13.600	0.27	0.22	0.18	0.14	0.08
13.850	0.03	0.00	(N/A)	(N/A)	(N/A)

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.5600 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	428.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
428.00	0.00	0.000	7,072.330	0.00	0.00	0.00
428.05	0.00	355.593	7,151.466	1.42	1.42	5.37
428.10	0.00	715.154	7,231.042	1.43	1.43	9.38
428.15	0.00	1,078.705	7,311.058	1.45	1.45	13.43
428.20	0.00	1,446.267	7,391.515	1.46	1.46	17.53
428.25	0.00	1,817.863	7,472.412	1.48	1.48	21.68
428.30	0.00	2,193.516	7,553.749	1.50	1.50	25.87
428.35	0.00	2,573.246	7,635.527	1.51	1.51	30.10
428.40	0.00	2,957.076	7,717.744	1.53	1.53	34.39
428.45	0.00	3,345.027	7,800.403	1.55	1.55	38.71
428.50	0.00	3,737.123	7,883.501	1.56	1.56	43.09
428.55	0.00	4,133.385	7,967.040	1.58	1.58	47.51
428.60	0.00	4,533.834	8,051.019	1.60	1.60	51.97
428.65	0.27	4,938.494	8,135.438	1.61	1.88	56.75
428.70	0.76	5,347.386	8,220.298	1.63	2.39	61.80
428.75	1.39	5,760.531	8,305.597	1.65	3.04	67.05
428.80	2.15	6,178.895	8,429.125	1.67	3.82	72.47
428.85	3.00	6,603.459	8,553.565	1.69	4.69	78.07
428.90	3.94	7,034.267	8,678.916	1.72	5.66	83.82
428.95	4.97	7,471.366	8,805.179	1.74	6.71	89.73
429.00	6.07	7,914.800	8,932.355	1.77	7.84	95.78
429.05	7.24	8,364.616	9,060.442	1.80	9.04	101.98
429.10	8.48	8,820.860	9,189.440	1.82	10.30	108.31
429.15	9.79	9,283.576	9,319.351	1.85	11.63	114.78
429.20	11.16	9,752.810	9,450.173	1.87	13.03	121.40
429.25	12.58	10,228.608	9,581.908	1.90	14.48	128.13
429.30	14.05	10,711.016	9,714.554	1.92	15.98	134.99
429.35	15.59	11,200.079	9,848.112	1.95	17.54	141.98
429.40	17.17	11,695.842	9,982.582	1.98	19.15	149.10

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Bio. Basin 1B
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
429.45	17.75	12,198.352	10,117.963	2.00	19.76	155.29
429.50	18.26	12,707.654	10,254.257	2.03	20.29	161.49
429.55	21.00	13,220.894	10,275.339	2.04	23.03	169.93
429.60	23.70	13,735.188	10,296.443	2.04	25.74	178.36
429.65	26.10	14,250.538	10,317.569	2.04	28.14	186.48
429.70	28.43	14,766.945	10,338.717	2.05	30.48	194.55
429.75	30.75	15,284.410	10,359.886	2.05	32.81	202.63
429.80	33.10	15,802.934	10,381.077	2.06	35.16	210.74
429.85	35.40	16,322.518	10,402.289	2.06	37.47	218.83
429.90	37.73	16,843.164	10,423.523	2.07	39.80	226.94
429.95	40.06	17,364.871	10,444.779	2.07	42.13	235.07
430.00	42.38	17,887.642	10,466.057	2.07	44.45	243.21

Subsection: Level Pool Pond Routing Summary
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.5600 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	428.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.25 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.99 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	428.03 ft
Volume (Peak)	247.924 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	3,776.000 ft³
Volume (Total Infiltration)	3,776.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.5600 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	428.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.22 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.48 ft³/s	Time to Peak (Infiltration)	12.250 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	428.23 ft
Volume (Peak)	1,686.876 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	12,715.000 ft³
Volume (Total Infiltration)	12,715.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Bio. Basin 1B (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	8.5600 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	428.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	10.44 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.68 ft³/s	Time to Peak (Infiltration)	12.200 hours
Flow (Peak Outlet)	2.47 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	428.82 ft
Volume (Peak)	6,339.783 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	35,428.000 ft³
Volume (Total Infiltration)	31,572.000 ft³
Volume (Total Outlet Outflow)	3,856.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out)
Label: Inf. Bio. Basin 1B (OUT)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Routed Hydrograph (total out) Return Event: 10 years
Label: Inf. Bio. Basin 1B (OUT) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Routed Hydrograph (total out) Return Event: 100 years
Label: Inf. Bio. Basin 1B (OUT) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Peak Discharge	2.47 ft³/s
Time to Peak	12.200 hours
Hydrograph Volume	3,856.289 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
12.000	0.00	0.30	1.63	2.32	2.47
12.250	2.34	2.12	1.91	1.70	1.50
12.500	1.33	1.14	0.90	0.66	0.47
12.750	0.29	0.19	0.11	0.04	0.00

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	6.2100 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	427.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
427.00	0.00	0.000	10,246.886	0.00	0.00	0.00
427.05	0.00	514.042	10,314.827	1.48	1.48	7.19
427.10	0.00	1,031.486	10,382.992	1.49	1.49	12.95
427.15	0.00	1,552.345	10,451.381	1.50	1.50	18.75
427.20	0.00	2,076.628	10,519.995	1.51	1.51	24.59
427.25	0.00	2,604.348	10,588.834	1.52	1.52	30.46
427.30	0.00	3,135.515	10,657.897	1.53	1.53	36.37
427.35	0.00	3,670.141	10,727.184	1.54	1.54	42.32
427.40	0.00	4,208.238	10,796.696	1.55	1.55	48.31
427.45	0.00	4,749.815	10,866.432	1.56	1.56	54.34
427.50	0.00	5,294.884	10,936.393	1.57	1.57	60.40
427.55	0.00	5,843.458	11,006.579	1.58	1.58	66.51
427.60	0.00	6,395.546	11,076.988	1.59	1.59	72.65
427.65	0.00	6,951.160	11,147.623	1.60	1.60	78.84
427.70	0.00	7,510.312	11,218.482	1.61	1.61	85.06
427.75	0.00	8,073.012	11,289.565	1.62	1.62	91.32
427.80	0.00	8,639.272	11,360.873	1.63	1.63	97.63
427.85	0.00	9,209.103	11,432.405	1.64	1.64	103.97
427.90	0.00	9,782.517	11,504.162	1.65	1.65	110.35
427.95	0.54	10,359.523	11,576.143	1.66	2.20	117.31
428.00	1.52	10,940.135	11,648.349	1.67	3.19	124.75
428.05	2.79	11,524.362	11,720.779	1.68	4.47	132.52
428.10	4.29	12,112.216	11,793.434	1.70	5.99	140.57
428.15	6.00	12,703.709	11,866.313	1.71	7.71	148.86
428.20	7.88	13,298.851	11,939.417	1.72	9.60	157.36
428.25	9.94	13,897.655	12,012.745	1.73	11.67	166.09
428.30	12.14	14,500.130	12,086.298	1.74	13.88	174.99
428.35	14.49	15,106.288	12,160.075	1.75	16.24	184.09
428.40	16.97	15,716.141	12,234.077	1.76	18.73	193.36

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Inf. Bio. Basin 1C
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 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)
428.45	18.34	16,329.700	12,308.303	1.77	20.11	201.55
428.50	18.44	16,946.975	12,382.754	1.78	20.22	208.52
428.55	18.55	17,567.938	12,455.810	1.79	20.34	215.54
428.60	18.66	18,192.560	12,529.081	1.80	20.46	222.60
428.65	18.77	18,820.850	12,602.567	1.81	20.59	229.71
428.70	18.88	19,452.820	12,676.267	1.82	20.71	236.85
428.75	19.00	20,088.480	12,750.183	1.83	20.83	244.03
428.80	19.11	20,727.842	12,824.313	1.84	20.95	251.26
428.85	19.22	21,370.915	12,898.659	1.85	21.07	258.52
428.90	19.32	22,017.711	12,973.219	1.86	21.19	265.83
428.95	19.43	22,668.241	13,047.994	1.88	21.31	273.18
429.00	19.54	23,322.514	13,122.984	1.89	21.43	280.57

Subsection: Level Pool Pond Routing Summary
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 1 Year Storm

Return Event: 1 years
Storm Event: 1 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	6.2100 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	427.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.16 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.50 ft³/s	Time to Peak (Infiltration)	12.200 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	427.16 ft
Volume (Peak)	1,657.239 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	11,642.000 ft³
Volume (Total Infiltration)	11,642.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	6.2100 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	427.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	12.16 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.66 ft³/s	Time to Peak (Infiltration)	12.550 hours
Flow (Peak Outlet)	0.32 ft³/s	Time to Peak (Flow, Outlet)	12.550 hours

Elevation (Water Surface, Peak)	427.93 ft
Volume (Peak)	10,123.121 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	36,283.000 ft³
Volume (Total Infiltration)	36,009.000 ft³
Volume (Total Outlet Outflow)	274.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
Label: Inf. Bio. Basin 1C (IN)
Scenario: Post-Development 100 Year Storm

Return Event: 100 years
Storm Event: 100 Year Storm

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	6.2100 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	427.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	28.36 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.77 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	17.93 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	428.44 ft
Volume (Peak)	16,148.293 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	96,646.000 ft³
Volume (Total Infiltration)	68,049.000 ft³
Volume (Total Outlet Outflow)	28,597.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Pond Routed Hydrograph (total out) Return Event: 1 years
Label: Inf. Bio. Basin 1C (OUT) Storm Event: 1 Year Storm
Scenario: Post-Development 1 Year Storm

Peak Discharge	0.00 ft³/s
Time to Peak	24.000 hours
Hydrograph Volume	0.000 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

Subsection: Pond Routed Hydrograph (total out) Return Event: 10 years
Label: Inf. Bio. Basin 1C (OUT) Storm Event: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Peak Discharge	0.32 ft³/s
Time to Peak	12.550 hours
Hydrograph Volume	274.172 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
12.400	0.00	0.08	0.24	0.32	0.31
12.650	0.26	0.18	0.10	0.03	0.00

Subsection: Pond Routed Hydrograph (total out) Return Event: 100 years
Label: Inf. Bio. Basin 1C (OUT) Storm Event: 100 Year Storm
Scenario: Post-Development 100 Year Storm

Peak Discharge	17.93 ft³/s
Time to Peak	12.100 hours
Hydrograph Volume	28,596.631 ft³

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

Time (hours)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
11.900	0.00	1.55	9.68	17.29	17.93
12.150	16.19	13.10	10.66	8.94	7.72
12.400	6.88	6.21	5.66	5.05	4.23
12.650	3.47	2.83	2.38	2.02	1.75
12.900	1.56	1.44	1.32	1.19	1.06
13.150	0.93	0.83	0.76	0.71	0.65
13.400	0.58	0.52	0.48	0.44	0.41
13.650	0.39	0.37	0.34	0.30	0.25
13.900	0.20	0.16	0.13	0.10	0.08
14.150	0.06	0.04	0.02	0.00	(N/A)

APPENDIX C

NYSDEC STORMWATER & BLUE BOOK SIZING CALCULATIONS

Step 1 - Site Planning

Practice		Description	Applicable	Project Specific Evaluation
Preservation of Natural Features and Conservation Design	**Preservation of Undisturbed Areas**	Delineate and protect undisturbed forests, native vegetated areas, riparian corridors, water bodies, wetlands, and natural terrain.	Yes	Approximately +/-1.80 Acres of land will remain undisturbed, in its natural state, which accounts for 6.63% of the total project parcel.
	Preservation of Buffers	Delineate and protect naturally vegetated buffers along perennial streams, rivers, shorelines, and wetlands.	N/A	There are no water bodies located on or adjacent to the project site.
	Reduction of Clearing and Grading	Limit clearing and grading to the minimum amount needed for roads, driveways, foundations, utilities and stormwater management facilities.	Yes	Clearing and grading will be limited to the area of disturbance and will be minimized to the greatest extent practical. The limits of all proposed clearing will be demarcated in the field with orange construction fencing, prior to construction, to prevent unnecessary removal of trees.
	Locating Development in Less Sensitive Areas	Avoid sensitive resource areas such as floodplains, steep slopes, erodible soils, wetlands, mature forests and critical habitats by locating development to fit the terrain in areas that will create the least impact.	Yes	The site has been designed to avoid sensitive resource areas, such as but not limited to, steep slopes and erodible soils to the greatest extent practical.
	Open Space Design	Use clustering, conservation design or open space design to reduce impervious cover, preserve more open space and protect water resources.	Yes	The site layout has been designed to maximize open space. Impervious surfaces have been minimized to the greatest extent practical and approximately +/-13.52 Acres will be maintained as vegetated open space.
	Soil Restoration	Restore the original properties and porosity of the soil by deep till and amendment with compost to reduce the generation of runoff and enhance the runoff reduction performance of post construction practices.	Yes	All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual.

Step 1 - Site Planning

Reduction of Impervious Cover	**Roadway Reduction**	Minimize roadway widths and lengths, below local requirements, to reduce site impervious area	No	Reducing the roadway width is not feasible for the project's intended use.
	Sidewalk Reduction	Minimize sidewalk lengths and widths, below local requirements, to reduce site impervious area	Yes	The quantity of sidewalk has been reduced to that required to ensure safe pedestrian access throughout the site.
	Driveway Reduction	Minimize driveway lengths and widths, below local requirements, to reduce site impervious area	N/A	No new driveways are proposed as part of this project.
	Cul-de-sac Reduction	Minimize the number of cul-de-sacs and incorporate landscaped areas to reduce their impervious cover.	N/A	No cul-de-sacs are proposed as part of this project.
	Building Footprint Reduction	Reduce the impervious footprint of residences and commercial buildings by using alternate or taller buildings while maintaining the same floor to area ratio.	Yes	All new building area has been allocated to efficiently implement the intended use.
	Parking Reduction	Reduce imperviousness on parking lots by eliminating unneeded spaces, providing compact car spaces and efficient parking lanes, reducing stall dimensions below local requirements, using porous pavement surfaces in overflow parking areas, and using multi-storied parking decks where appropriate.	N/A	Reducing the parking stall dimensions or number of stalls is not feasible for the intended use.

Step 2 - Calculate Water Quality Volume (OV)

Is this project subject to Section 4.3 of the NYS Design Manual for Enhanced Phosphorus Removal?	No
What is the nature of this construction project?	New Construction

Design Point:	1, 2, & 3		
P=	1.50	inches	*Enter 90% Rainfall Event as P*

Calculate Required WQv

Drainage Area Number	Contributing Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Rv	WQv (cf)	SMP Description		
1	3.43	0.47	14	0.17	3,246	Vegetated Swale		
2	1.36	0.40	29	0.31	2,314	Infiltration Bioretention		
3	3.50	1.37	39	0.40	7,650	Infiltration Bioretention		
4	5.28	2.63	50	0.50	14,302	Infiltration Basin		
5	6.09	4.12	68	0.66	21,831	Infiltration Basin		
6	5.05	3.06	61	0.60	16,362	Infiltration Basin		
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Total	24.70	12.04	49	0.49	**65706**	**Required WQv**	**1.51**	**af**

Steps 3 and 5 - Apply RR Techniques and Standard SMPs (OV)

Runoff Reduction Volume and Treated Volumes						
	Runoff Reduction Techiques/Standard SMPs		**Total Contributing Area**	**Total Contributing Impervious Area**	**WQv Reduced (RRv)**	**WQv Treated**
			(acres)	**(acres)**	**(cf)**	**(cf)**
RR Techniques	Conservation of Natural Areas	RR-1	0.00		0	
	Sheet Flow to Riparian Buffer/Filter Strip	RR-2	0.00	0.00	0	
	Tree Planting/Tree Pit/Tree Trench	RR-3	0.00	0.00	0	
	Disconnection of Rooftop Runoff	RR-4		0.00	0	
	Vegetated Swale	RR-5	3.43	0.47	649	
	Rain Garden	RR-6	0.00	0.00	0	
	Stormwater Planter	RR-7	0.00	0.00	0	
	Rainwater Harvesting Systems	RR-8	0.00	0.00	0	
	Porous Pavement	RR-9	0.00	0.00	0	
	Green Roof (Extensive & Intensive)	RR-10	0.00	0.00	0	
	Stream Daylighting	RR-11				
Standard SMPs w/ RRv Capacity	Infiltration Trench	I-1	0.00	0.00	0	0
	Infiltration Basin	I-2	16.41	9.80	52,495	0
	Dry Well	I-3	0.00	0.00	0	0
	Underground Infiltration System	I-4	0.00	0.00	0	0
	Infiltration Bioretention	F-4	4.86	1.76	9,964	0
	Filtration Bioretention	F-5	0.00	0.00	0	0
	Bioslope	F-6	0.00	0.00	0	0
	Dry swale	O-1	0.00	0.00	0	0
Standard SMPs	Micropool Extended Detention	P-1	0.00	0.00		0
	Wet Pond	P-2	0.00	0.00		0
	Wet Extended Detention	P-3	0.00	0.00		0
	Multiple Pond System	P-4	0.00	0.00		0
	Shallow Wetland	W-1	0.00	0.00		0
	Extended Detention Shallow Wetland	W-2	0.00	0.00		0
	Pond/Wetland System	W-3	0.00	0.00		0
	Pocket Wetland	W-4	0.00	0.00		0
	Gravel Wetland	W-5	0.00	0.00		0
	Surface Sand Filter	F-1	0.00	0.00		0
	Underground Sand Filter	F-2	0.00	0.00		0
	Perimeter Sand Filter	F-3	0.00	0.00		0
	Wet Swale	O-2	0.00	0.00		0
Alt. SMPs	Flow Based Alternative Practice	-	21.27	11.56		62,459
	Volume Based Alternative Practice	-				
	Totals by RR Technique	→	3.43	0.47	649	
	Totals by Standard SMP w/RRV	→	21.27	11.56	62,459	0
	Totals by Standard SMP	→	0.00	0.00		0
	Totals by Alternative SMP	→	21.27	11.56		62,459
	Totals (RR Techniques + all SMPs)	→	45.97	23.60	63,108	62,459

Step 3 - Evaluation of RR Techniques and Standard SMPs with RRv Capacity

	Practice	Description	Applicable	Project Specific Evaluation
RR Techniques	**Conservation of Natural Areas (RR-1)**	Retain the pre-development hydrologic and water quality characteristics of undisturbed natural areas by permanently conserving these areas on a site. Undisturbed natural areas include: forest retention areas; reforestation areas; stream and river corridors; shorelines; wetlands, vernal pools, and associated vegetated buffers; and undisturbed open space.	N/A	The project does not propose permanent conservation of these areas at this time.
	Sheet Flow to Riparian Buffer/Filter Strip (RR-2)	Undisturbed natural areas such as forested conservation areas and stream buffers or vegetated filter strips and riparian buffers can be used to treat and control stormwater runoff from some areas of a development project.	N/A	The project site does not contain any riparian buffers.
	Tree Planting/Tree Pit/Tree Trench (RR-3)	Plant or conserve trees to reduce stormwater runoff, increase nutrient uptake, and provide bank stabilization. Trees can be used for applications such as landscaping, stormwater management practice areas, conservation areas and erosion and sediment control.	N/A	Tree plantings are proposed on site. However, credit for these trees will not be taken toward area reduction or volume reuction in the RRv calculations.
	Disconnection of Rooftop Runoff (RR-4)	Direct runoff from rooftop areas and upland overland runoff flow to designated pervious areas to reduce runoff volumes and rates.	N/A	The building roof(s) will be directed to downspouts with splash blocks and vegetated areas, which will promote sheet flow and filtering. However, credit for rooftop disconnect will not be taken toward an impervious area reduction in the RRv calculations.
	Vegetated Swale (RR-5)	The natural drainage paths, or properly designed vegetated channels, can be used instead of constructing underground storm sewers or concrete open channels to increase time of concentration, reduce the peak discharge, and provide infiltration.	Yes	Vegetated swale(s) will be used to treat +/- 0.47 acres of impervious area. Calculations have been provided in the SWPPP.

Step 3 - Evaluation of RR Techniques and Standard SMPs with RRv Capacity

RR Techniques	**Rain Garden (RR-6)**	Manage and treat small volumes of stormwater runoff using a conditioned planting soil bed and planting materials to filter runoff stored within a shallow depression.	N/A	Rain gardens are not proposed for the project site.
	Stormwater Planter (RR-7)	Small landscaped stormwater treatment devices that can be designed as infiltration or filtering practices. Stormwater planters use soil infiltration and biogeochemical processes to decrease stormwater quantity and improve water quality.	N/A	Stormwater planters are not proposed for the project.
	Rainwater Harvesting System (RR-8)	Capture and store stormwater runoff to be used for irrigation systems or filtered and reused for non-contact activities.	N/A	A rain harvesting system is not proposed for the project.
	Porous Pavement (RR-9)	Pervious types of pavements that provide an alternative to conventional paved surfaces, designed to infiltrate rainfall through the surface, thereby reducing stormwater runoff from a site and providing some pollutant uptake in the underlying soils.	N/A	Porous pavement is not proposed for the project.
	Green Roof (RR-10)	Capture runoff by a layer of vegetation and soil installed on top of a conventional flat or sloped roof. The rooftop vegetation allows evaporation and evapotranspiration processes to reduce volume and discharge rate of runoff entering conveyance system.	N/A	Green roofs are not proposed for the project.
	Stream Daylighting (RR-11)	Stream Daylight previously-culverted/piped streams to restore natural habitats, better attenuate runoff by increasing the storage size, promoting infiltration, and help reduce pollutant loads.	N/A	Stream daylighting is not proposed for the project.

Step 3 - Evaluation of RR Techniques and Standard SMPs with RRv Capacity

Standard SMPs with RRv Capacity	**Infiltration Trench (I-1)**	An infiltration practice that stores the water quality volume in the void spaces of a gravel trench before it is infiltrated into the ground.	N/A	An infiltration trench is not proposed for the project.
	Infiltration Basin (I-2)	An infiltration practice that stores the water quality volume in a shallow depression, before it is infiltrated it into the ground.	Yes	Infiltration basins are proposed on-site to treat 9.83 acres of impervious area. Calculations have been provided in the SWPPP.
	Dry Well (I-3)	An infiltration practice similar in design to the infiltration trench, and best suited for treatment of rooftop runoff.	N/A	Dry Wells are not proposed for the project.
	Underground Infiltration System (I-4)	An infiltration practice below grade that stores the water quality volume in pre-manufactured pipes, vaults or other modular structures, before it is infiltrated into the ground.	N/A	An underground infiltration system is not propsoed for the poject.
	Infiltration Bioretention (F-4)	A shallow depression that treats stormwater as it flows through a soil matrix, before it is infiltrated into the ground.	No	Infiltration bioretention will be used to treat 1.78 acres of impervious area. Calculations have been provided in the SWPPP
	Filtration Bioretention (F-5)	A shallow depression that treats stormwater as it flows through a soil matrix and is returned to the storm drain system.	Yes	Due to favorable infiltration rates at the site, an infiltration bioretention will be implemented, instead of a filtration bioretention
	Bioslope (F-6)	Permeable engineered soil media that is installed along embankments or other slopes, designed to capture and treat stormwater runoff from adjacent paved areas.	N/A	Bioslopes are not proposed for the project.
	Dry Swale (O-1)	An open drainage channel or depression explicitly designed to detain and promote the filtration of stormwater runoff into the soil media.	N/A	Dry swales are not proposed for the project.

Step 4 - Calcuate Minimum RRv Required (OV)

Enter the Soils Data for the site		
Hydrologic Soil Group	Acres	S
A		55%
B	12.04	40%
C		30%
D		20%
Total Area	12.03573333	

Calculate the Minimum RRv		
S =	**0.40**	
Impervious =	12.04	*acres*
Precipitation	1.50	*inches*
Rv	0.95	
Minimum RRv	**0.572**	***af***
	24916	cf

Step 2 - Calculate Water Quality Volume (DP1)

Is this project subject to Section 4.3 of the NYS Design Manual for Enhanced Phosphorus Removal?			No
What is the nature of this construction project?			New Construction
Design Point:	1		
P=	1.50	inches	*Enter 90% Rainfall Event as P*

Calculate Required WQv

Drainage Area Number	Contributing Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Rv	WQv (cf)	SMP Description		
1	3.43	0.47	14	0.17	3,246	Vegetated Swale		
2	1.36	0.40	29	0.31	2,314	Infiltration Bioretention		
3	3.50	1.37	39	0.40	7,650	Infiltration Bioretention		
4	5.28	2.63	50	0.50	14,302	Infiltration Basin		
5								
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26								
27								
28								
29								
30								
Total	13.57	4.86	36	0.37	**27512**	**Required WQv**	**0.63**	**af**

Steps 3 and 5 - Apply RR Techniques and Standard SMPs (DP1)

Runoff Reduction Volume and Treated Volumes						
	Runoff Reduction Techiques/Standard SMPs		**Total Contributing Area**	**Total Contributing Impervious Area**	**WQv Reduced (RRv)**	**WQv Treated**
			(acres)	**(acres)**	**(cf)**	**(cf)**
RR Techniques	Conservation of Natural Areas	RR-1	0.00		0	
	Sheet Flow to Riparian Buffer/Filter Strip	RR-2	0.00	0.00	0	
	Tree Planting/Tree Pit/Tree Trench	RR-3	0.00	0.00	0	
	Disconnection of Rooftop Runoff	RR-4		0.00	0	
	Vegetated Swale	RR-5	3.43	0.47	649	
	Rain Garden	RR-6	0.00	0.00	0	
	Stormwater Planter	RR-7	0.00	0.00	0	
	Rainwater Harvesting Systems	RR-8	0.00	0.00	0	
	Porous Pavement	RR-9	0.00	0.00	0	
	Green Roof (Extensive & Intensive)	RR-10	0.00	0.00	0	
	Stream Daylighting	RR-11				
Standard SMPs w/ RRv Capacity	Infiltration Trench	I-1	0.00	0.00	0	0
	Infiltration Basin	I-2	5.28	2.63	14,302	0
	Dry Well	I-3	0.00	0.00	0	0
	Underground Infiltration System	I-4	0.00	0.00	0	0
	Infiltration Bioretention	F-4	4.86	1.76	9,964	0
	Filtration Bioretention	F-5	0.00	0.00	0	0
	Bioslope	F-6	0.00	0.00	0	0
	Dry swale	O-1	0.00	0.00	0	0
Standard SMPs	Micropool Extended Detention	P-1	0.00	0.00		0
	Wet Pond	P-2	0.00	0.00		0
	Wet Extended Detention	P-3	0.00	0.00		0
	Multiple Pond System	P-4	0.00	0.00		0
	Shallow Wetland	W-1	0.00	0.00		0
	Extended Detention Shallow Wetland	W-2	0.00	0.00		0
	Pond/Wetland System	W-3	0.00	0.00		0
	Pocket Wetland	W-4	0.00	0.00		0
	Gravel Wetland	W-5	0.00	0.00		0
	Surface Sand Filter	F-1	0.00	0.00		0
	Underground Sand Filter	F-2	0.00	0.00		0
	Perimeter Sand Filter	F-3	0.00	0.00		0
	Wet Swale	O-2	0.00	0.00		0
Alt. SMPs	Flow Based Alternative Practice	-	10.14	4.39		24,266
	Volume Based Alternative Practice	-				
	Totals by RR Technique	→	3.43	0.47	649	
	Totals by Standard SMP w/RRV	→	10.14	4.39	24,266	0
	Totals by Standard SMP	→	0.00	0.00		0
	Totals by Alternative SMP	→	10.14	4.39		24,266
	Totals (RR Techniques + all SMPs)	→	23.70	9.25	24,915	24,266

Step 4 - Calcuate Minimum RRv Required (DP1)

Enter the Soils Data for the site		
Hydrologic Soil Group	Acres	S
A		55%
B	4.86	40%
C		30%
D		20%
Total Area	4.860451423	

Calculate the Minimum RRv		
S =	**0.40**	
Impervious =	4.86	*acres*
Precipitation	1.50	*inches*
Rv	0.95	
Minimum RRv	**0.231**	***af***
	10062	cf

Vegetated Swale (RR-5)

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
1	3.43	0.47	14	0.17	3,246	1.50	Vegetated Swale

Design Criteria		
Select HSG	B	
Is contributing area greater than 5 acres?	No	
Is the contributing area a designated hotspot?	No	

Sizing Criteria				
		Value	Units	Notes
Water Quality Peak Flow Rate	WQf	1.51	cfs	Taken from hydrologic modeling
Enter Bottom Width	b	6.00	ft	
WQv Maximum Flow Depth	d	0.33	ft	Taken from hydrologic modeling
Side Slope	X:1	3.00	:1	
WQv Flow Top Width	Wwqv	8.00	ft	
WQv Flow Wetted Perimeter	Pw	8.22	ft	
Area of the WQv Flow	Awqv	2.33	sf	
WQv Peak Discharge Velocity	V	0.65	fps	
WQv Retention Time		10.00	min	
Required Swale Length	Lr	388.29	ft	
Provided Swale Length	Lp	1188.00	ft	
Longitudinal Slope of Channel	SL	0.01	ft/ft	
Enter Check Dam Height	Ch	2.00	ft	
Check Dam Spacing	Cs	400.00	ft	
Number of Check Dams Required	C	2.97		
10-yr 24-hr Flow Depth	d10	0.68	ft	Taken from hydrologic modeling
10-yr Storm Flow Top Width	W10	10.05	ft	
Area of 10-yr 24-hr Flow	A10	2.68	sf	
10-yr Flow Wetted Perimeter	Pw10	10.96	ft	
Manning's Coefficient	n	0.03		0.03 to 0.15 (Refer to Appendix G)
10-yr Peak Discharge Velocity	V10	1.37	fps	
10-yr Peak Discharge Freeboard		1.33	ft	Taken from hydrologic modeling

Determine Runoff Reduction		
RRv Provided	**649**	***cf***

Vegetated Swale (RR-5)

Total Area	3.43	acres
Total Impervious	0	acres
Total RRv Provided	649	cf

Infiltration Basin (I-2)

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
4	5.28	2.63	50	0.50	14,302	1.50	Infiltration Basin

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)	8.75	
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?	No	
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?	No	
Maximum contributing area (acres)	25	
Is the contributing area greater than the maximum allowed contributing area?	No	
Enter depth to seasonal high water table (ft)	NE	
Enter depth to bedrock (ft)	NE	
Enter pretreatment volume provided (cf)	14,368	
Enter depth of freeboard (ft)	>1	
Enter depth of basin (ft)	6	
Enter slope of maintenance access (%)	12	
Enter width of maintenance access (ft)	12	

Sizing Criteria				
		Value	Units	Notes
Water Quality Volume	WQv	14302	cf	
Basin depth	db	6.0	ft	
Required Surface Area	Ab	2,384	sf	
Enter Surface Area Provided	Ab	11148.9751	sf	

Determine Runoff Reduction		
RRv Provided	**14,302**	***cf***

Infiltration Basin (I-2)

Total Area	5.28	acres
Total Impervious	3	acres
Total RRv Provided	14,302	cf
Total WQv Provided	0	cf

Infiltration Bioretention (F-4)

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
2	1.36	0.40	29	0.31	2,314	1.50	Infiltration Bioretention

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)	8.56	
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?	No	
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?	No	
Is contributing area greater than max. contributing area?	No	
Enter depth to seasonal high water table (ft)	4	
Enter depth to bedrock (ft)	NE	
Is pretreatment provided, in conformance with Section 6.4.3.1	Yes	
Enter average height of ponding (ft)	0.3	
Enter depth of surface layer (inches)	3	
Enter depth of filter media (ft)	2.5	
Enter depth of drainage layer (inches)	6	
Enter slope of maintenance access (%)	15	
Enter width of maintenance access (ft)	12	

Sizing Criteria				
		Value	Units	Notes
Permeability Flow Rate	k	1	ft/day	
Filter Time	tf	2	days	
Required Filter Area	Af	1033	sf	
Enter Provided Filter Area	Af	7072.3297	sf	

Calculate Runoff Reduction		
RRv Provided	**2,314**	***cf***

Infiltration Bioretention (F-4)

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
3	3.50	1.37	39	0.40	7,650	1.50	Infiltration Bioretention

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)	6.21	
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?	No	
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?	No	
Is contributing area greater than max. contributing area?	No	
Enter depth to seasonal high water table (ft)	NE	
Enter depth to bedrock (ft)	NE	
Is pretreatment provided, in conformance with Section 6.4.3.1	Yes	
Enter average height of ponding (ft)	0.45	
Enter depth of surface layer (inches)	3	
Enter depth of filter media (ft)	2.5	
Enter depth of drainage layer (inches)	6	
Enter slope of maintenance access (%)	15	
Enter width of maintenance access (ft)	12	

Sizing Criteria				
		Value	Units	Notes
Permeability Flow Rate	k	1	ft/day	
Filter Time	tf	2	days	
Required Filter Area	Af	3242	sf	
Enter Provided Filter Area	Af	10246.8863	sf	

Calculate Runoff Reduction		
RRv Provided	**7,650**	***cf***

Infiltration Bioretention (F-4)

Total Area	4.86	acres
Total Impervious	2	acres
Total RRv Provided	9,964	cf
Total WQv Provided	0	cf

Flow Based Alternative Practice

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (ft^3)	**Precipitation** (in)	**Description**
2	1.36	0.40	29	0.31	2,314	1.50	Infiltration Bioretention

Design Criteria		
Is the alternative practice included in the NJCAT Verification Database, NJDEP list of approved Manufactured Treatment Devices or TAPE list of Approved Technologies for General Use Level?	Yes	
Is the flow based practice proposed for area of new development?	Yes	Practice must be included on NYSDEC list for Verified Proprietary Practices for New Development
If proposed for new development, is the practice included on NYSDEC list for Verified Proprietary Practices for New Development?	Yes	
Is the practice being designed off-line?	No	Practice must have adequate bypass capacity
If designed off-line, has flow diversion been		Not applicable
Enter Extreme Flood peak flow rate (cfs)	6.34	
Enter alternative practice bypass capacity (cfs)	11	
Enter name and manufacturer of alternative practice	Contech - CDS2025-5	

Sizing Criteria				
		Value	Units	Notes
Water Quality Peak Flow Rate	WQf	1.27	cfs	Taken from hydrologic modeling
Enter Maximum Treatment Flow Rate (MTFR) of Alternative Practice	Q	1.6	cfs	
Determine the Water Quality Volume Treated				
Water Quality Volume Treated		**2,314**	**cf**	

Flow Based Alternative Practice

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (ft^3)	**Precipitation** (in)	**Description**
3	3.50	1.37	39	0.40	7,650	1.50	Infiltration Bioretention

Design Criteria		
Is the alternative practice included in the NJCAT Verification Database, NJDEP list of approved Manufactured Treatment Devices or TAPE list of	Yes	
Is the flow based practice proposed for area of new development?	Yes	Practice must be included on NYSDEC list for Verified Proprietary Practices for New Development
If proposed for new development, is the practice included on NYSDEC list for Verified Proprietary	Yes	
Is the practice being designed off-line?	No	Practice must have adequate bypass capacity
If designed off-line, has flow diversion been		Not applicable
Enter Extreme Flood peak flow rate (cfs)	17.16	
Enter alternative practice bypass capacity (cfs)	17.7	
Enter name and manufacturer of alternative practice	Contech - CDS4030-8	

Sizing Criteria				
		Value	Units	Notes
Water Quality Peak Flow Rate	WQf	4.28	cfs	Taken from hydrologic modeling
Enter Maximum Treatment Flow Rate	Q	4.5	cfs	

Determine the Water Quality Volume Treated			
Water Quality Volume Treated	**7,650**	**cf**	

Flow Based Alternative Practice

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (ft^3)	**Precipitation** (in)	**Description**
4	5.28	2.63	50	0.50	14,302	1.50	Infiltration Basin

Design Criteria		
Is the alternative practice included in the NJCAT Verification Database, NJDEP list of approved Manufactured Treatment Devices or TAPE list of	Yes	
Is the flow based practice proposed for area of new development?	Yes	Practice must be included on NYSDEC list for Verified Proprietary Practices for New Development
If proposed for new development, is the practice included on NYSDEC list for Verified Proprietary	Yes	
Is the practice being designed off-line?	No	Practice must have adequate bypass capacity
If designed off-line, has flow diversion been		Not applicable
Enter Extreme Flood peak flow rate (cfs)	29.02	
Enter alternative practice bypass capacity (cfs)	29.11	
Enter name and manufacturer of alternative practice	Contech - CDS5640-10	

Sizing Criteria				
		Value	Units	Notes
Water Quality Peak Flow Rate	WQf	8.27	cfs	Taken from hydrologic modeling
Enter Maximum Treatment Flow Rate	Q	9	cfs	

Determine the Water Quality Volume Treated			
Water Quality Volume Treated	**14,302**	**cf**	

Flow Based Alternative Practice

Total Area	10.14	acres
Total Impervious	4.39	acres
Total RRv Provided	0	cf
Total WQv Provided	24,266	cf

Step 2 - Calculate Water Quality Volume (DP2)

Is this project subject to Section 4.3 of the NYS Design Manual for Enhanced Phosphorus Removal?	No
What is the nature of this construction project?	New Construction

Design Point:	2		
P=	1.50	inches	*Enter 90% Rainfall Event as P*

Calculate Required WQv

Drainage Area Number	Contributing Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Rv	WQv (cf)	SMP Description		
1	6.09	4.12	68	0.66	21,831	Infiltration Basin		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Total	6.09	4.12	68	0.66	**21831**	**Required WQv**	**0.50**	**af**

Steps 3 and 5 - Apply RR Techniques and Standard SMPs (DP2)

Runoff Reduction Volume and Treated Volumes						
	Runoff Reduction Techiques/Standard SMPs		**Total Contributing Area**	**Total Contributing Impervious Area**	**WQv Reduced (RRv)**	**WQv Treated**
			(acres)	**(acres)**	**(cf)**	**(cf)**
RR Techniques	Conservation of Natural Areas	RR-1	0.00		0	
	Sheet Flow to Riparian Buffer/Filter Strip	RR-2	0.00	0.00	0	
	Tree Planting/Tree Pit/Tree Trench	RR-3	0.00	0.00	0	
	Disconnection of Rooftop Runoff	RR-4		0.00	0	
	Vegetated Swale	RR-5	0.00	0.00	0	
	Rain Garden	RR-6	0.00	0.00	0	
	Stormwater Planter	RR-7	0.00	0.00	0	
	Rainwater Harvesting Systems	RR-8	0.00	0.00	0	
	Porous Pavement	RR-9	0.00	0.00	0	
	Green Roof (Extensive & Intensive)	RR-10	0.00	0.00	0	
	Stream Daylighting	RR-11				
Standard SMPs w/ RRv Capacity	Infiltration Trench	I-1	0.00	0.00	0	0
	Infiltration Basin	I-2	6.09	4.12	21,831	0
	Dry Well	I-3	0.00	0.00	0	0
	Underground Infiltration System	I-4	0.00	0.00	0	0
	Infiltration Bioretention	F-4	0.00	0.00	0	0
	Filtration Bioretention	F-5	0.00	0.00	0	0
	Bioslope	F-6	0.00	0.00	0	0
	Dry swale	O-1	0.00	0.00	0	0
Standard SMPs	Micropool Extended Detention	P-1	0.00	0.00		0
	Wet Pond	P-2	0.00	0.00		0
	Wet Extended Detention	P-3	0.00	0.00		0
	Multiple Pond System	P-4	0.00	0.00		0
	Shallow Wetland	W-1	0.00	0.00		0
	Extended Detention Shallow Wetland	W-2	0.00	0.00		0
	Pond/Wetland System	W-3	0.00	0.00		0
	Pocket Wetland	W-4	0.00	0.00		0
	Gravel Wetland	W-5	0.00	0.00		0
	Surface Sand Filter	F-1	0.00	0.00		0
	Underground Sand Filter	F-2	0.00	0.00		0
	Perimeter Sand Filter	F-3	0.00	0.00		0
	Wet Swale	O-2	0.00	0.00		0
Alt. SMPs	Flow Based Alternative Practice	-	6.09	4.12		21,831
	Volume Based Alternative Practice	-				
	Totals by RR Technique	→	0.00	0.00	0	
	Totals by Standard SMP w/RRV	→	6.09	4.12	21,831	0
	Totals by Standard SMP	→	0.00	0.00		0
	Totals by Alternative SMP	→	6.09	4.12		21,831
	Totals (RR Techniques + all SMPs)	→	12.17	8.23	21,831	21,831

Step 4 - Calcuate Minimum RRv Required (DP2)

Enter the Soils Data for the site		
Hydrologic Soil Group	Acres	S
A		55%
B	4.12	40%
C		30%
D		20%
Total Area	4.116804706	

Calculate the Minimum RRv		
S =	**0.40**	
Impervious =	4.12	*acres*
Precipitation	1.50	*inches*
Rv	0.95	
Minimum RRv	**0.196**	***af***
	8538	cf

Infiltration Basin (I-2)

Design Point:	2

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
1	6.09	4.12	68	0.66	21,831	1.50	Infiltration Basin

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)	2.925	
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?	No	
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?	No	
Maximum contributing area (acres)	10	
Is the contributing area greater than the maximum allowed contributing area?	No	
Enter depth to seasonal high water table (ft)	2	
Enter depth to bedrock (ft)	>2	
Enter pretreatment volume provided (cf)	21,858	
Enter depth of freeboard (ft)	>1	
Enter depth of basin (ft)	5	
Enter slope of maintenance access (%)	15	
Enter width of maintenance access (ft)	12	

Sizing Criteria				
		Value	Units	Notes
Water Quality Volume	WQv	21831	cf	
Basin depth	db	5.0	ft	
Required Surface Area	Ab	4,366	sf	
Enter Surface Area Provided	Ab	15362.2042	sf	

Determine Runoff Reduction		
RRv Provided	**21,831**	***cf***

Infiltration Basin (I-2)

Total Area	6.09	acres
Total Impervious	4	acres
Total RRv Provided	21,831	cf
Total WQv Provided	0	cf

Flow Based Alternative Practice

Design Point:	2

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (ft^3)	**Precipitation** (in)	**Description**
1	6.09	4.12	68	0.66	21,831	1.50	Infiltration Basin

Design Criteria		
Is the alternative practice included in the NJCAT Verification Database, NJDEP list of approved Manufactured Treatment Devices or TAPE list of Approved Technologies for General Use Level?	Yes	
Is the flow based practice proposed for area of new development?	Yes	Practice must be included on NYSDEC list for Verified Proprietary Practices for New Development
If proposed for new development, is the practice included on NYSDEC list for Verified Proprietary Practices for New Development?	Yes	
Is the practice being designed off-line?	No	Practice must have adequate bypass capacity
If designed off-line, has flow diversion been		Not applicable
Enter Extreme Flood peak flow rate (cfs)	38.32	
Enter alternative practice bypass capacity (cfs)	38.32	
Enter name and manufacturer of alternative practice	Contech - CDS5668-10	

Sizing Criteria				
		Value	Units	Notes
Water Quality Peak Flow Rate	WQf	14.14	cfs	Taken from hydrologic modeling
Enter Maximum Treatment Flow Rate (MTFR) of Alternative Practice	Q	19	cfs	

Determine the Water Quality Volume Treated			
Water Quality Volume Treated	**21,831**	**cf**	

Flow Based Alternative Practice

Total Area	6.09	acres
Total Impervious	4.12	acres
Total RRv Provided	0	cf
Total WQv Provided	21,831	cf

Step 2 - Calculate Water Quality Volume (DP3)

Is this project subject to Section 4.3 of the NYS Design Manual for Enhanced Phosphorus Removal?			No
What is the nature of this construction project?			New Construction
Design Point:	3		
P=	1.50	inches	*Enter 90% Rainfall Event as P*

Calculate Required WQv

Drainage Area Number	Contributing Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Rv	WQv (cf)	SMP Description		
1	5.05	3.06	61	0.60	16,362	Infiltration Basin		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Total	5.05	3.06	61	0.60	**16362**	**Required WQv**	**0.38**	**af**

Steps 3 and 5 - Apply RR Techniques and Standard SMPs (DP3)

Runoff Reduction Volume and Treated Volumes						
	Runoff Reduction Techiques/Standard SMPs		**Total Contributing Area**	**Total Contributing Impervious Area**	**WQv Reduced (RRv)**	**WQv Treated**
			(acres)	**(acres)**	**(cf)**	**(cf)**
RR Techniques	Conservation of Natural Areas	RR-1	0.00		0	
	Sheet Flow to Riparian Buffer/Filter Strip	RR-2	0.00	0.00	0	
	Tree Planting/Tree Pit/Tree Trench	RR-3	0.00	0.00	0	
	Disconnection of Rooftop Runoff	RR-4		0.00	0	
	Vegetated Swale	RR-5	0.00	0.00	0	
	Rain Garden	RR-6	0.00	0.00	0	
	Stormwater Planter	RR-7	0.00	0.00	0	
	Rainwater Harvesting Systems	RR-8	0.00	0.00	0	
	Porous Pavement	RR-9	0.00	0.00	0	
	Green Roof (Extensive & Intensive)	RR-10	0.00	0.00	0	
	Stream Daylighting	RR-11				
Standard SMPs w/ RRv Capacity	Infiltration Trench	I-1	0.00	0.00	0	0
	Infiltration Basin	I-2	5.05	3.06	16,362	0
	Dry Well	I-3	0.00	0.00	0	0
	Underground Infiltration System	I-4	0.00	0.00	0	0
	Infiltration Bioretention	F-4	0.00	0.00	0	0
	Filtration Bioretention	F-5	0.00	0.00	0	0
	Bioslope	F-6	0.00	0.00	0	0
	Dry swale	O-1	0.00	0.00	0	0
Standard SMPs	Micropool Extended Detention	P-1	0.00	0.00		0
	Wet Pond	P-2	0.00	0.00		0
	Wet Extended Detention	P-3	0.00	0.00		0
	Multiple Pond System	P-4	0.00	0.00		0
	Shallow Wetland	W-1	0.00	0.00		0
	Extended Detention Shallow Wetland	W-2	0.00	0.00		0
	Pond/Wetland System	W-3	0.00	0.00		0
	Pocket Wetland	W-4	0.00	0.00		0
	Gravel Wetland	W-5	0.00	0.00		0
	Surface Sand Filter	F-1	0.00	0.00		0
	Underground Sand Filter	F-2	0.00	0.00		0
	Perimeter Sand Filter	F-3	0.00	0.00		0
	Wet Swale	O-2	0.00	0.00		0
Alt. SMPs	Flow Based Alternative Practice	-	5.05	3.06		16,362
	Volume Based Alternative Practice	-				
	Totals by RR Technique	→	0.00	0.00	0	
	Totals by Standard SMP w/RRV	→	5.05	3.06	16,362	0
	Totals by Standard SMP	→	0.00	0.00		0
	Totals by Alternative SMP	→	5.05	3.06		16,362
	Totals (RR Techniques + all SMPs)	→	10.09	6.12	16,362	16,362

Step 4 - Calcuate Minimum RRv Required (DP3)

Enter the Soils Data for the site		
Hydrologic Soil Group	Acres	S
A		55%
B	3.06	40%
C		30%
D		20%
Total Area	3.058477204	

Calculate the Minimum RRv		
S =	**0.40**	
Impervious =	3.06	*acres*
Precipitation	1.50	*inches*
Rv	0.95	
Minimum RRv	**0.145**	***af***
	6316	cf

Infiltration Basin (I-2)

Design Point:	3

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
1	5.05	3.06	61	0.60	16,362	1.50	Infiltration Basin

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)	8.3	
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?	No	
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?	No	
Maximum contributing area (acres)	25	
Is the contributing area greater than the maximum allowed contributing area?	No	
Enter depth to seasonal high water table (ft)	NE	
Enter depth to bedrock (ft)	NE	
Enter pretreatment volume provided (cf)	16,431	
Enter depth of freeboard (ft)	>1	
Enter depth of basin (ft)	4	
Enter slope of maintenance access (%)	15	
Enter width of maintenance access (ft)	12	

Sizing Criteria				
		Value	Units	Notes
Water Quality Volume	WQv	16362	cf	
Basin depth	db	4.0	ft	
Required Surface Area	Ab	4,091	sf	
Enter Surface Area Provided	Ab	10898.0437	sf	

Determine Runoff Reduction		
RRv Provided	**16,362**	***cf***

Infiltration Basin (I-2)

Design Point:	3

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
						1.50	

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)		
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?		
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?		This practice cannot be used for hotspot treatment
Maximum contributing area (acres)	0	
Is the contributing area greater than the maximum allowed contributing area?		
Enter depth to seasonal high water table (ft)		
Enter depth to bedrock (ft)		
Enter pretreatment volume provided (cf)		
Enter depth of freeboard (ft)		
Enter depth of basin (ft)		
Enter slope of maintenance access (%)		
Enter width of maintenance access (ft)		

Sizing Criteria				
		Value	Units	Notes
Water Quality Volume	WQv		cf	
Basin depth	db	0.0	ft	
Required Surface Area	Ab	#VALUE!	sf	
Enter Surface Area Provided	Ab		sf	

Determine Runoff Reduction		
RRv Provided	**0**	***cf***

Infiltration Basin (I-2)

Design Point:	3

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
						1.50	

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)		
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?		
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?		This practice cannot be used for hotspot treatment
Maximum contributing area (acres)	0	
Is the contributing area greater than the maximum allowed contributing area?		
Enter depth to seasonal high water table (ft)		
Enter depth to bedrock (ft)		
Enter pretreatment volume provided (cf)		
Enter depth of freeboard (ft)		
Enter depth of basin (ft)		
Enter slope of maintenance access (%)		
Enter width of maintenance access (ft)		

Sizing Criteria				
		Value	Units	Notes
Water Quality Volume	WQv		cf	
Basin depth	db	0.0	ft	
Required Surface Area	Ab	#VALUE!	sf	
Enter Surface Area Provided	Ab		sf	

Determine Runoff Reduction		
RRv Provided	**0**	***cf***

Infiltration Basin (I-2)

Design Point:	3

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
						1.50	

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)		
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?		
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?		This practice cannot be used for hotspot treatment
Maximum contributing area (acres)	0	
Is the contributing area greater than the maximum allowed contributing area?		
Enter depth to seasonal high water table (ft)		
Enter depth to bedrock (ft)		
Enter pretreatment volume provided (cf)		
Enter depth of freeboard (ft)		
Enter depth of basin (ft)		
Enter slope of maintenance access (%)		
Enter width of maintenance access (ft)		

Sizing Criteria				
		Value	Units	Notes
Water Quality Volume	WQv		cf	
Basin depth	db	0.0	ft	
Required Surface Area	Ab	#VALUE!	sf	
Enter Surface Area Provided	Ab		sf	

Determine Runoff Reduction		
RRv Provided	**0**	***cf***

Infiltration Basin (I-2)

Design Point:	3

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
						1.50	

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)		
Is the contributing area to the practice an "Infiltration Restricted" stormwater hotspot?		
Is the contributing area to the practice an "Infiltration Prohibited" stormwater hotspot?		This practice cannot be used for hotspot treatment
Maximum contributing area (acres)	0	
Is the contributing area greater than the maximum allowed contributing area?		
Enter depth to seasonal high water table (ft)		
Enter depth to bedrock (ft)		
Enter pretreatment volume provided (cf)		
Enter depth of freeboard (ft)		
Enter depth of basin (ft)		
Enter slope of maintenance access (%)		
Enter width of maintenance access (ft)		

Sizing Criteria				
		Value	Units	Notes
Water Quality Volume	WQv		cf	
Basin depth	db	0.0	ft	
Required Surface Area	Ab	#VALUE!	sf	
Enter Surface Area Provided	Ab		sf	

Determine Runoff Reduction		
RRv Provided	**0**	***cf***

Infiltration Basin (I-2)

Total Area	5.05	acres
Total Impervious	3	acres
Total RRv Provided	16,362	cf
Total WQv Provided	0	cf

Flow Based Alternative Practice

Design Point:	3

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (ft^3)	**Precipitation** (in)	**Description**
1	5.05	3.06	61	0.60	16,362	1.50	Infiltration Basin

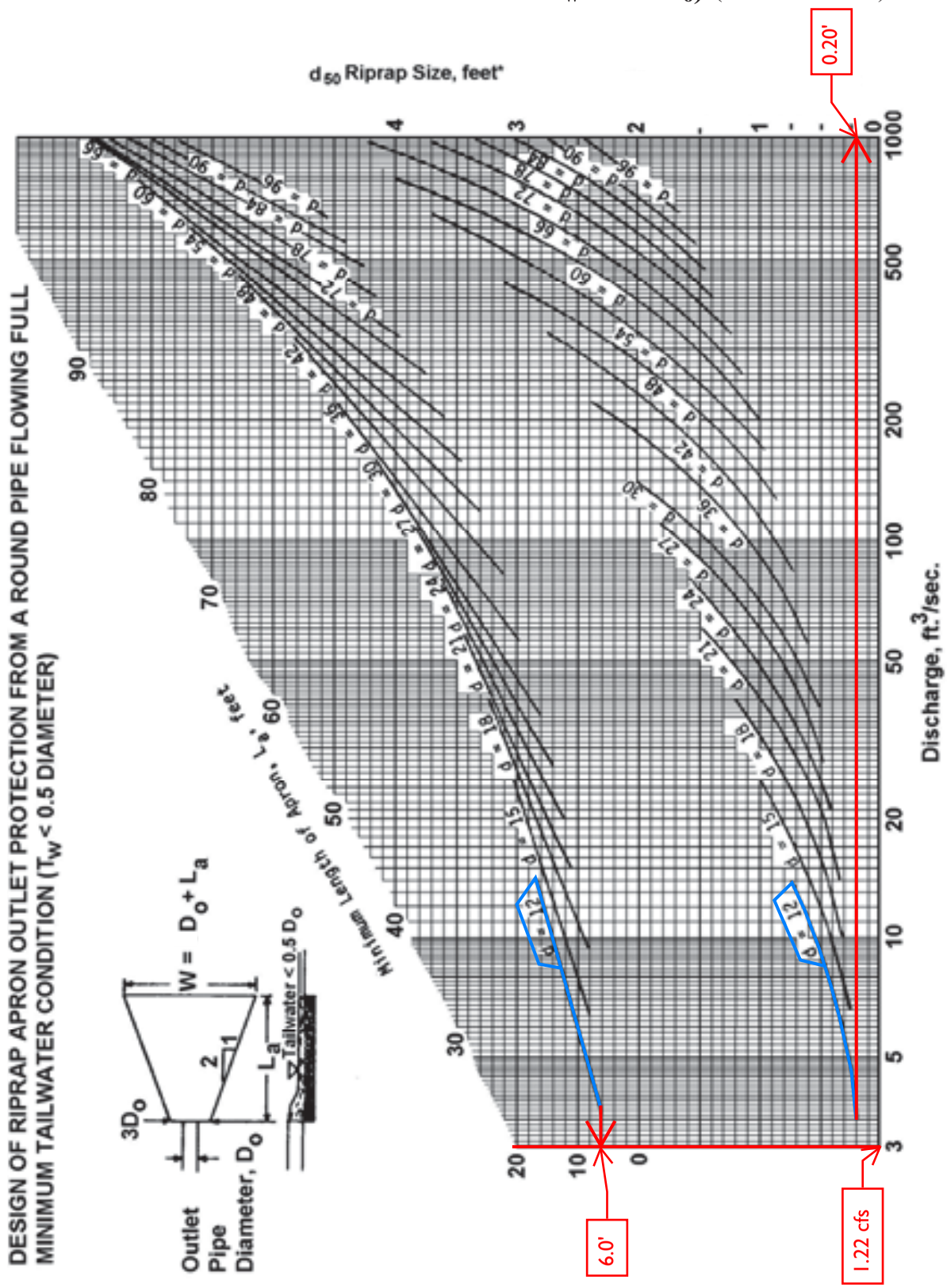
Design Criteria		
Is the alternative practice included in the NJCAT Verification Database, NJDEP list of approved Manufactured Treatment Devices or TAPE list of Approved Technologies for General Use Level?	Yes	
Is the flow based practice proposed for area of new development?	Yes	Practice must be included on NYSDEC list for Verified Proprietary Practices for New Development
If proposed for new development, is the practice included on NYSDEC list for Verified Proprietary Practices for New Development?	Yes	
Is the practice being designed off-line?	No	Practice must have adequate bypass capacity
If designed off-line, has flow diversion been		Not applicable
Enter Extreme Flood peak flow rate (cfs)	30.24	
Enter alternative practice bypass capacity (cfs)	30.25	
Enter name and manufacturer of alternative practice	Contech - CDS5653-10	

Sizing Criteria				
		Value	Units	Notes
Water Quality Peak Flow Rate	WQf	10.05	cfs	Taken from hydrologic modeling
Enter Maximum Treatment Flow Rate (MTFR) of Alternative Practice	Q	14	cfs	
Determine the Water Quality Volume Treated				
Water Quality Volume Treated		**16,362**	**cf**	

Flow Based Alternative Practice

Total Area	5.05	acres
Total Impervious	3.06	acres
Total RRv Provided	0	cf
Total WQv Provided	16,362	cf

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)



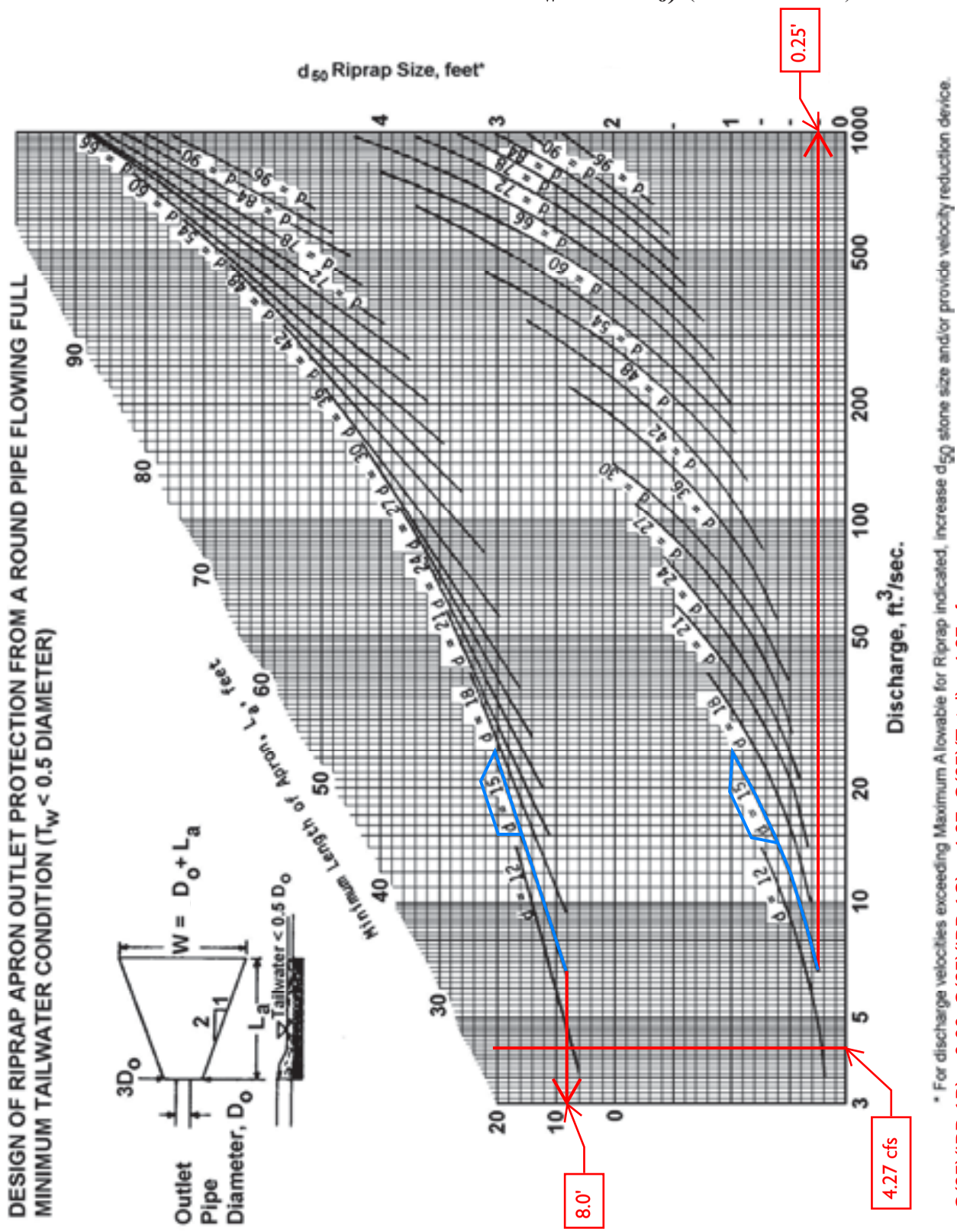
* For discharge velocities exceeding Maximum Allowable for Riprap indicated, increase d_{50} stone size and/or provide velocity reduction device.

Trapezoidal Channel: W = 6', Z = 3:1, Flow area = 9.1 sf, Flow depth (25) = 12.1" = 1.0' use 12" diameter pipe for equivalent flow.
Q(25)(VS) = 12.59, Q(25)(IB-1D) = 1.63, Q(25)(Total) = 14.22 cfs
V = Q/A = 14.22 / 9.1 = 1.56 fps -> Q = $\pi D^2/4$ * V = $\pi(1^2)/4$ * 1.56 = 1.22 cfs
3Do = 3(1.0') = 3.0'
La = 6.0'
W = Do + La = (1.0') + (6.0') = 7.0'
d_{50} = 0.20' (2.4") use 0.25' (3"), dmax = 0.375' (4.5"), T = 0.5625' (6.75") use 0.58' (7")

July 2025

21090 Vegetated Swale

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

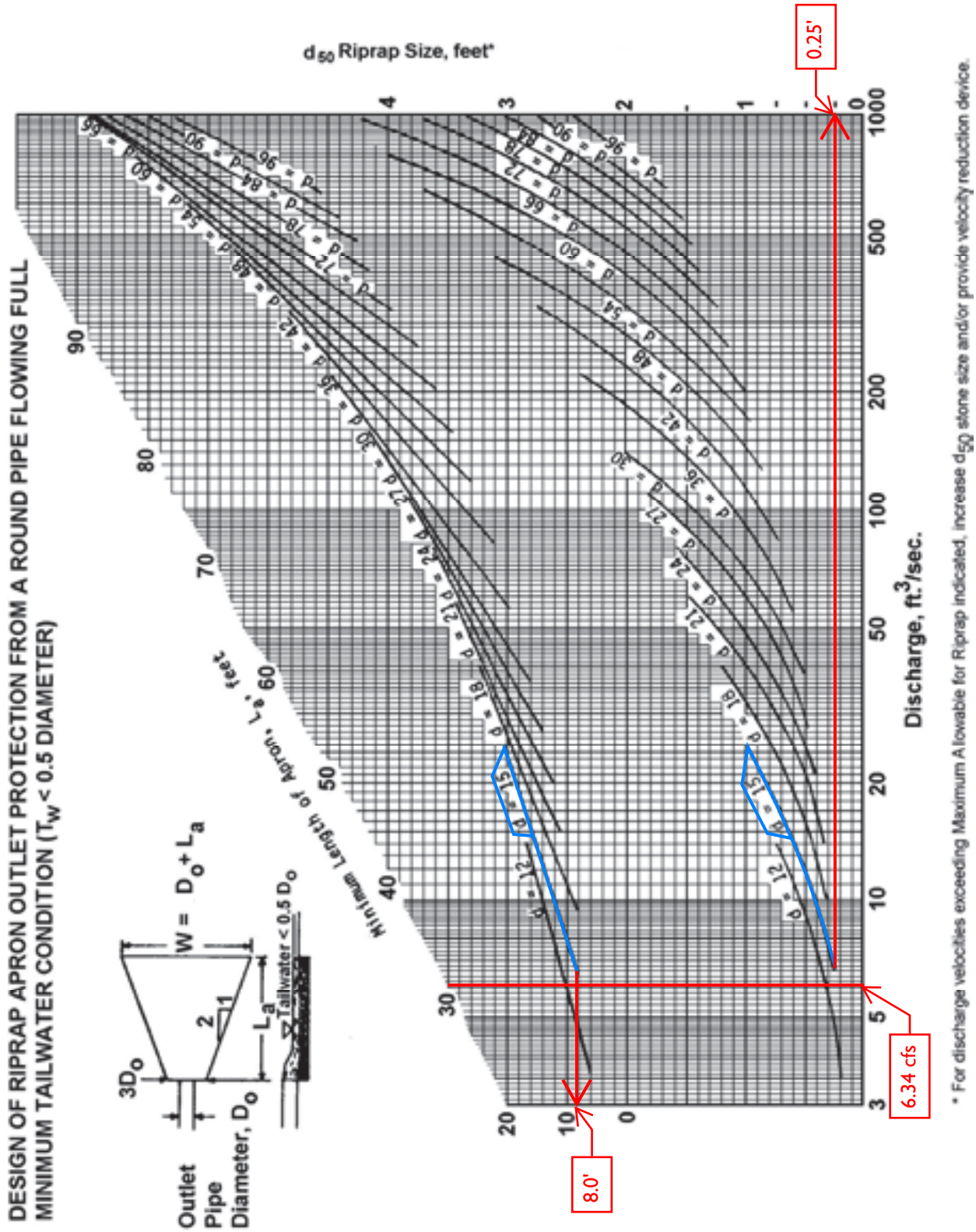


Q(25)(IBB-1B) = 0.00, Q(25)(IBB-1C) = 4.27, Q(25)(Total) = 4.27 cfs
3Do = 3(1.25') = 3.75'
La = 8.0'
W = Do + La = (1.25') + (8.0') = 9.25'
d_{50} = 0.25' (3"), dmax = 0.375' (4.5"), T = 0.5625' (6.75") use 0.58' (7")

July 2025

21090 ES A-1
Infiltration Bioretention Basin 1B, Infiltration Bioretention Basin 1C

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

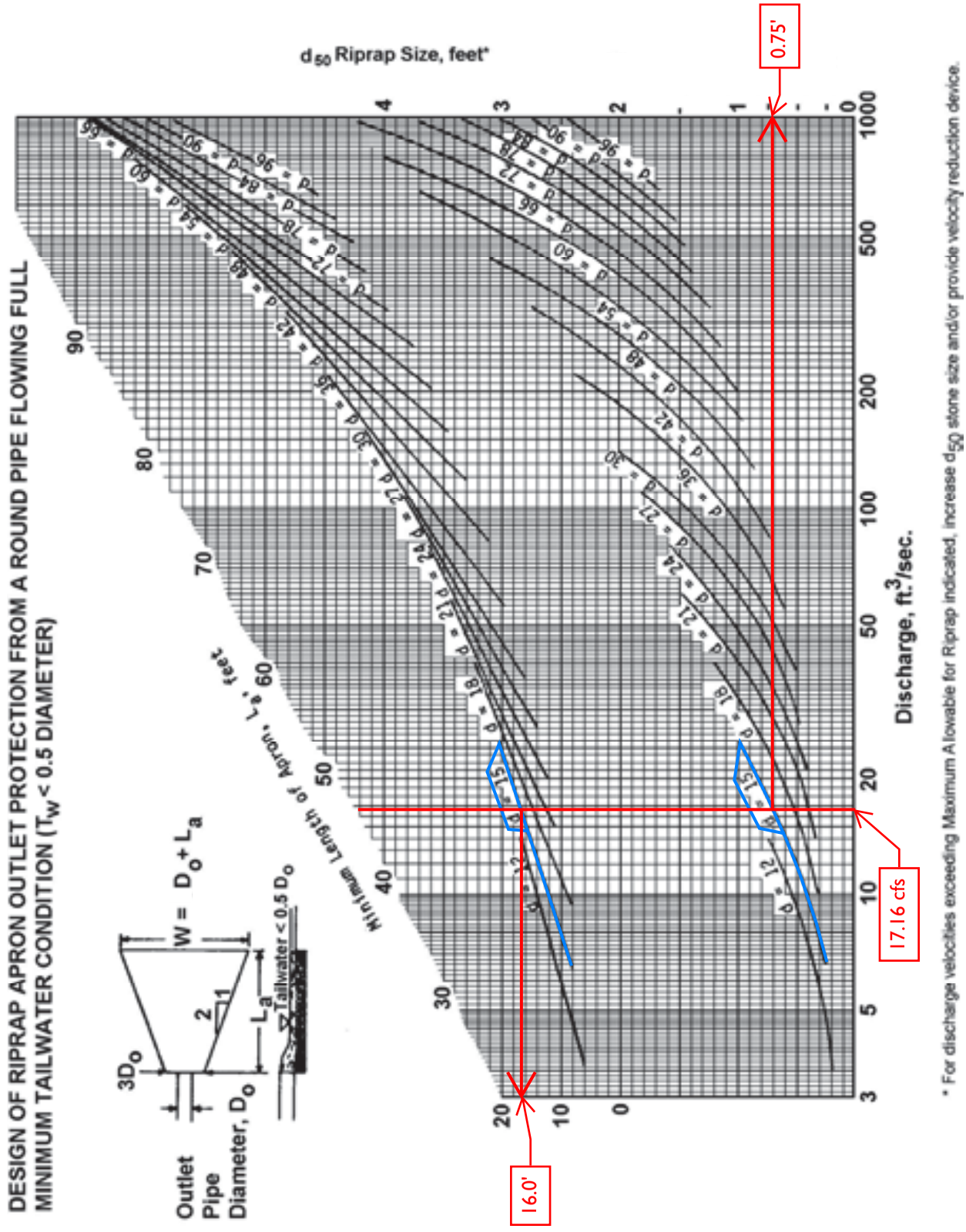


July 2025

21090 ES 1B-2 Outfall
Infiltration Bioretention Area 1B

Do = 15" = 1.25'
Q(25) = 6.34 cfs
3Do = 3(1.25') = 3.75'
La = 8.0'
W = Do + La = (1.25') + (8.0') = 9.25'
d_{50} = 0.25' (3"), dmax = 0.375' (4.5"), T = 0.5625' (6.75") use 0.58' (7")

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

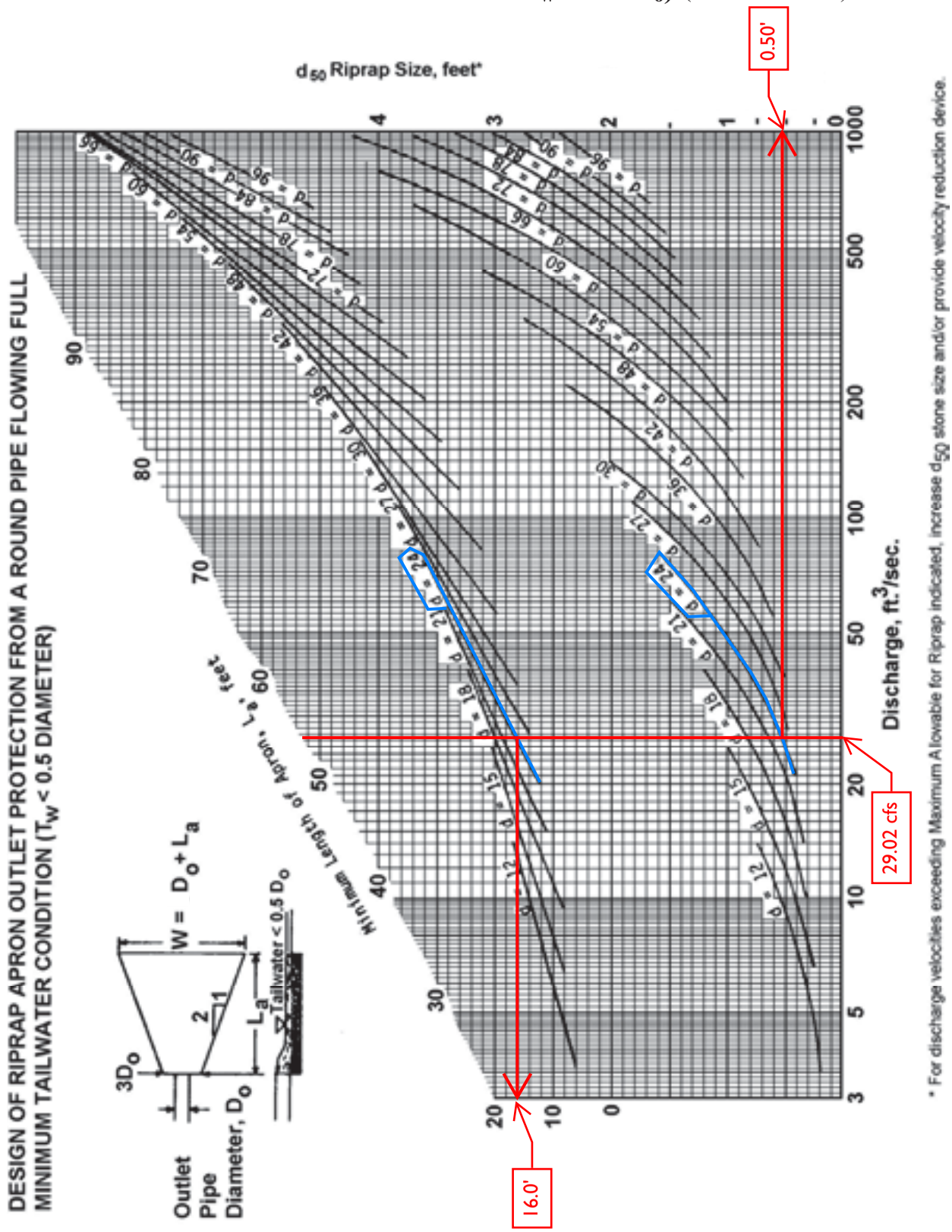


Do = 15" = 1.25'
Q(25) = 17.16 cfs
3Do = 3(1.25') = 3.75'
La = 16.0'
W = Do + La = (1.25') + (16.0') = 17.25'
d_{50} = 0.75' (9"), dmax = 1.13' (13.5") use 1.17' (14") , T = 1.75' (21")

July 2025

21090 Infiltration Bioretention Area 1C Outfalls

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

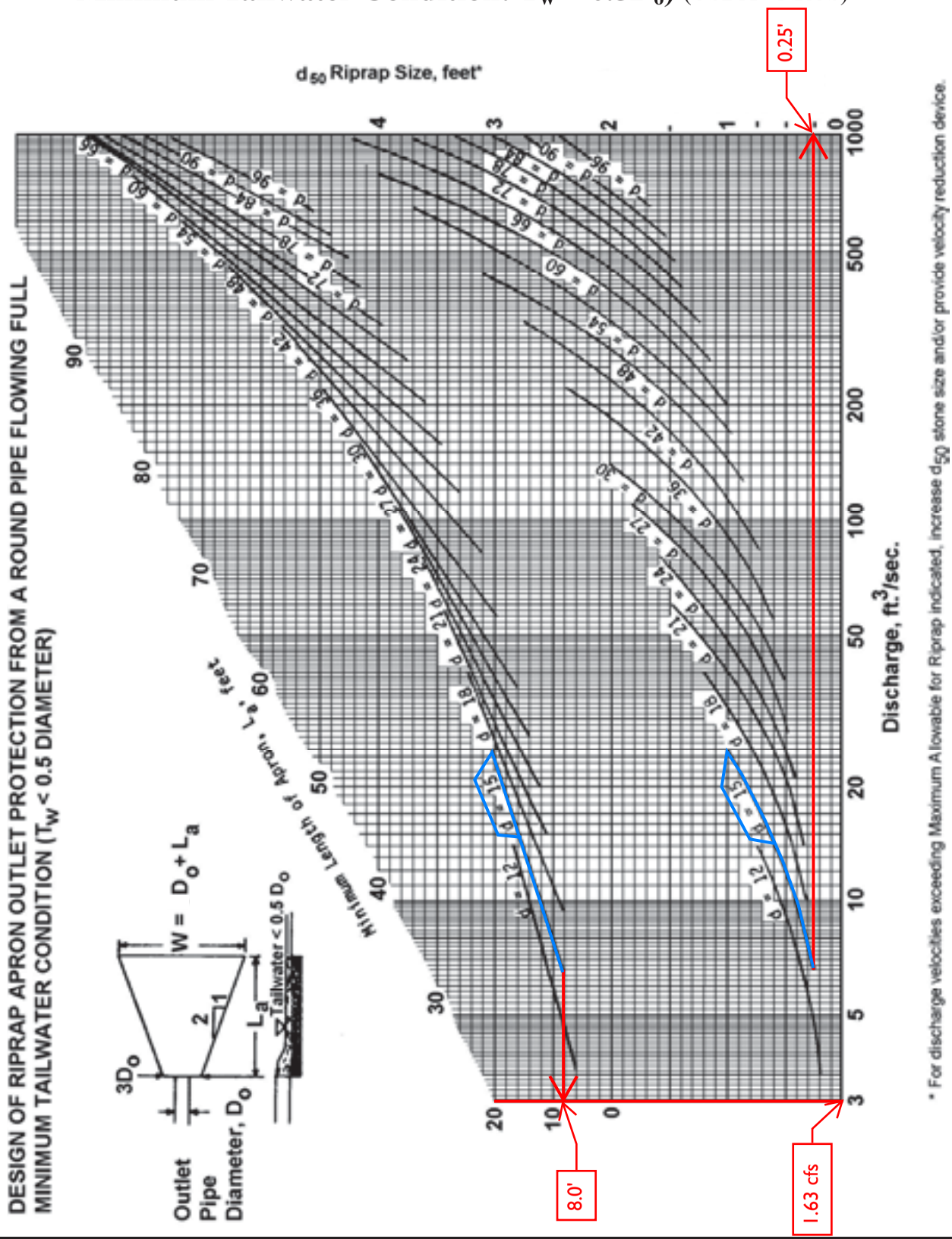


July 2025

21090 ES 1D-3 Outfall
Stormwater Management Basin (1D - Infiltration)

Do = 24" = 2.0'
Q(25) = 29.02
3Do = 3(2.0') = 6.0'
La = 16.0'
W = Do + La = (2.0') + (16.0') = 18.0'
d_{50} = 0.50' (6"), dmax = 0.75' (9"), T = 1.13' (13.5"), use 1.17' (14")

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

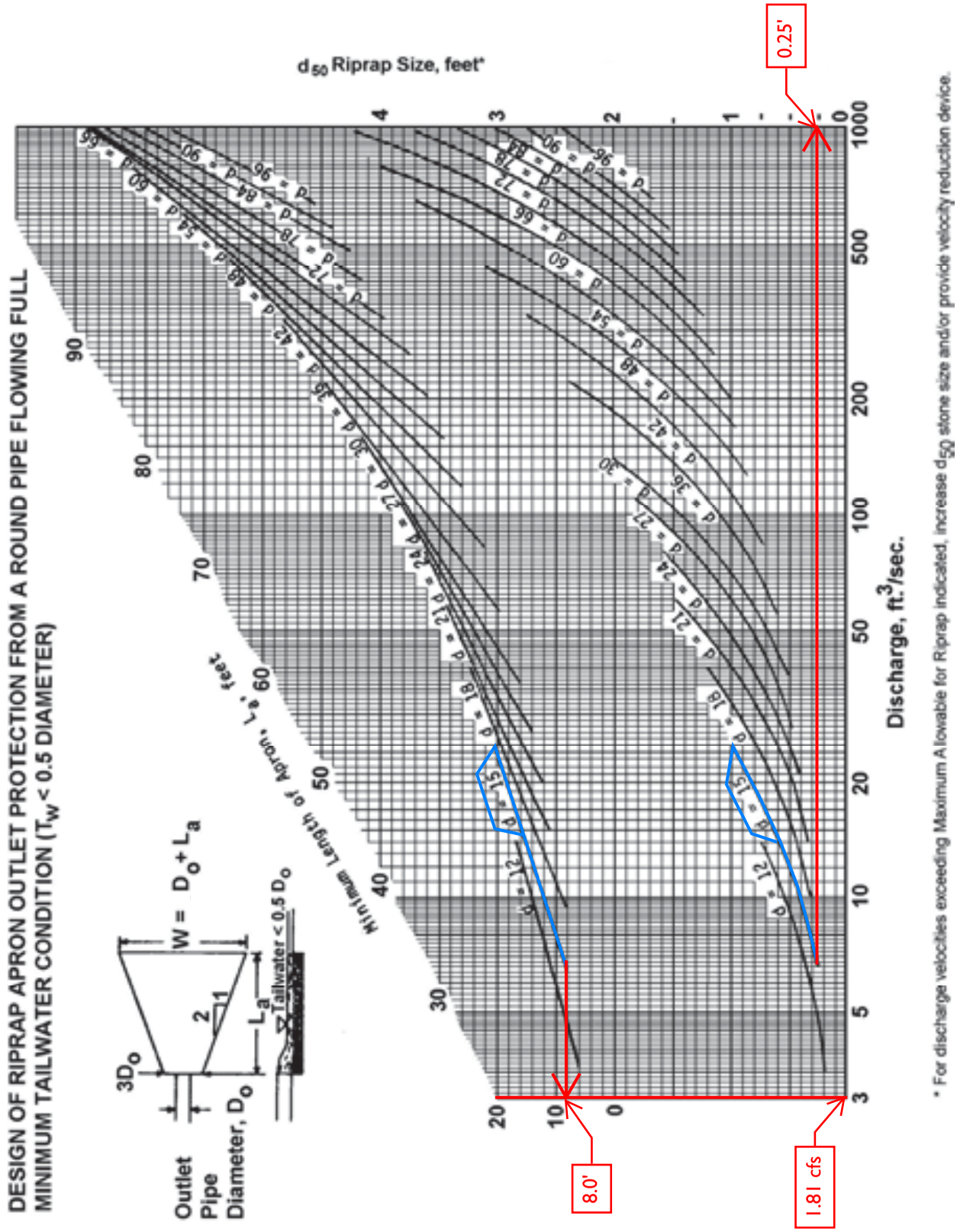


July 2025

21090 ES 1D-1 Outfall
Stormwater Management Basin (1D - Infiltration)

Do = 15" = 1.25'
Q(25) = 1.63 cfs
3Do = 3(1.25') = 3.75'
La = 8.0'
W = Do + La = (1.25') + (8.0') = 9.25'
d_{50} = 0.25' (3"), dmax = 0.38' (4.5"), T = 0.5625' (6.75") use 0.58' (7")

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

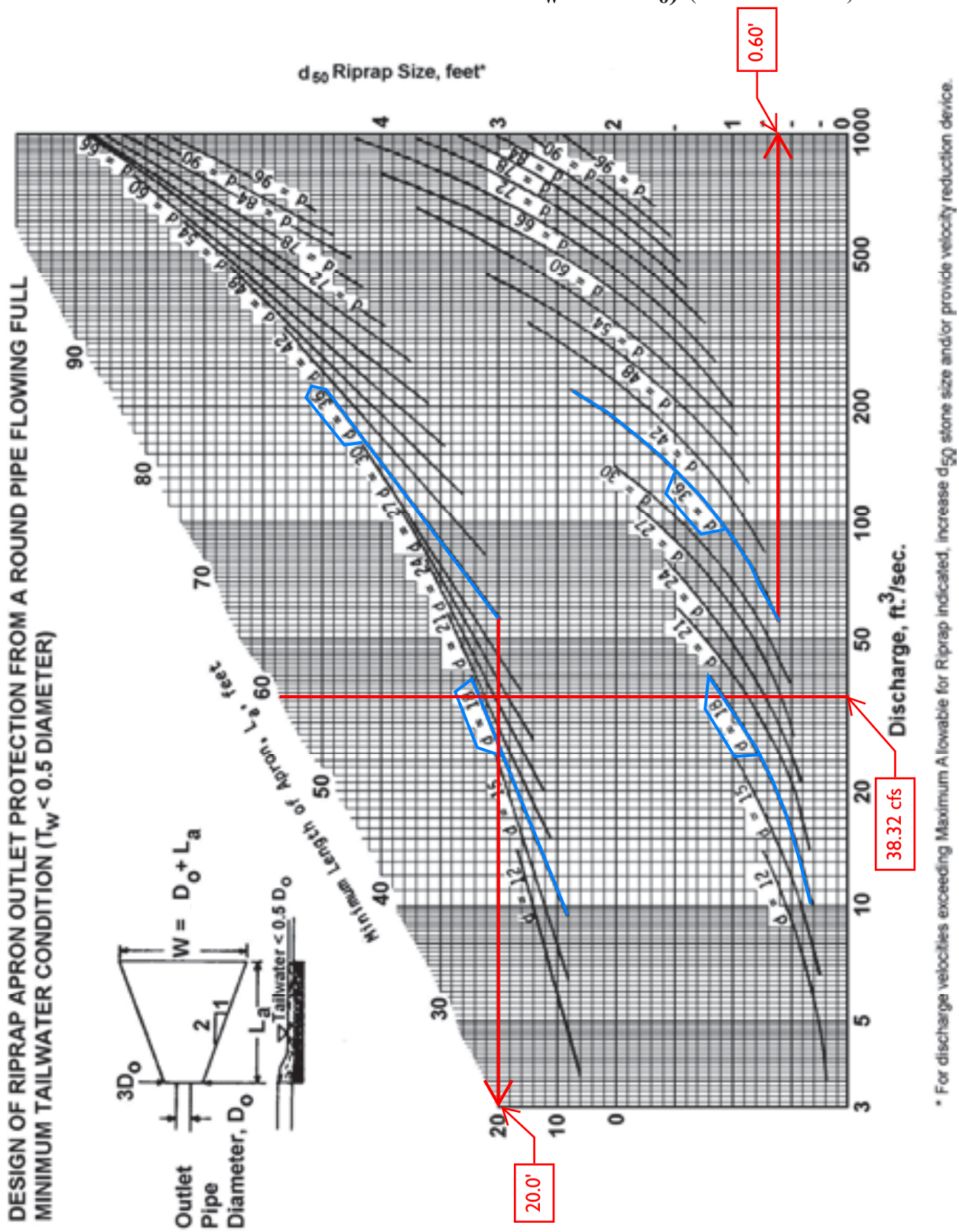


Do = 15" = 1.25'
Q(25) = 1.81
3Do = 3(1.25') = 4.75'
La = 8.0'
W = Do + La = (1.25') + (8.0') = 9.25'
d_{50} = 0.25' (3"), dmax = 0.38' (4.5"), T = 0.5625' (6.75") use 0.58' (7")

July 2025

21090 ES 2B-1 Outfall
Stormwater Management Basin (2B - Infiltration)

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

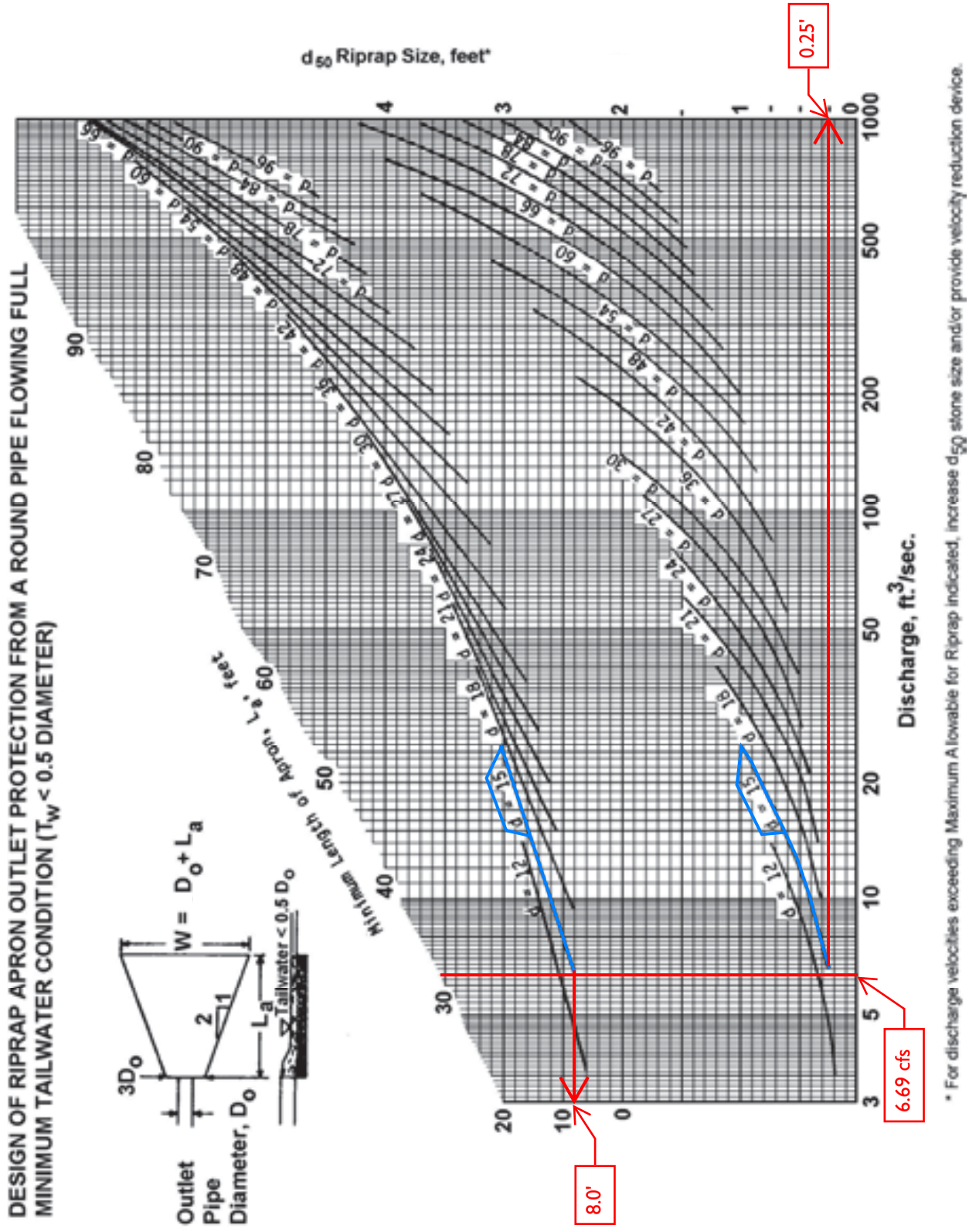


Do = 36" = 3.0'
Q(25) = 38.32
3Do = 3(3.0') = 9.0'
La = 20.0'
W = Do + La = (3.0') + (20.0') = 23.0'
d_{50} = 0.60' (7.2") 0.67' (8"), dmax = 1.00' (12"), T = 1.5' (18")

July 2025

21090 ES 2B-3 Outfall
Stormwater Management Basin (2B - Infiltration)

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)

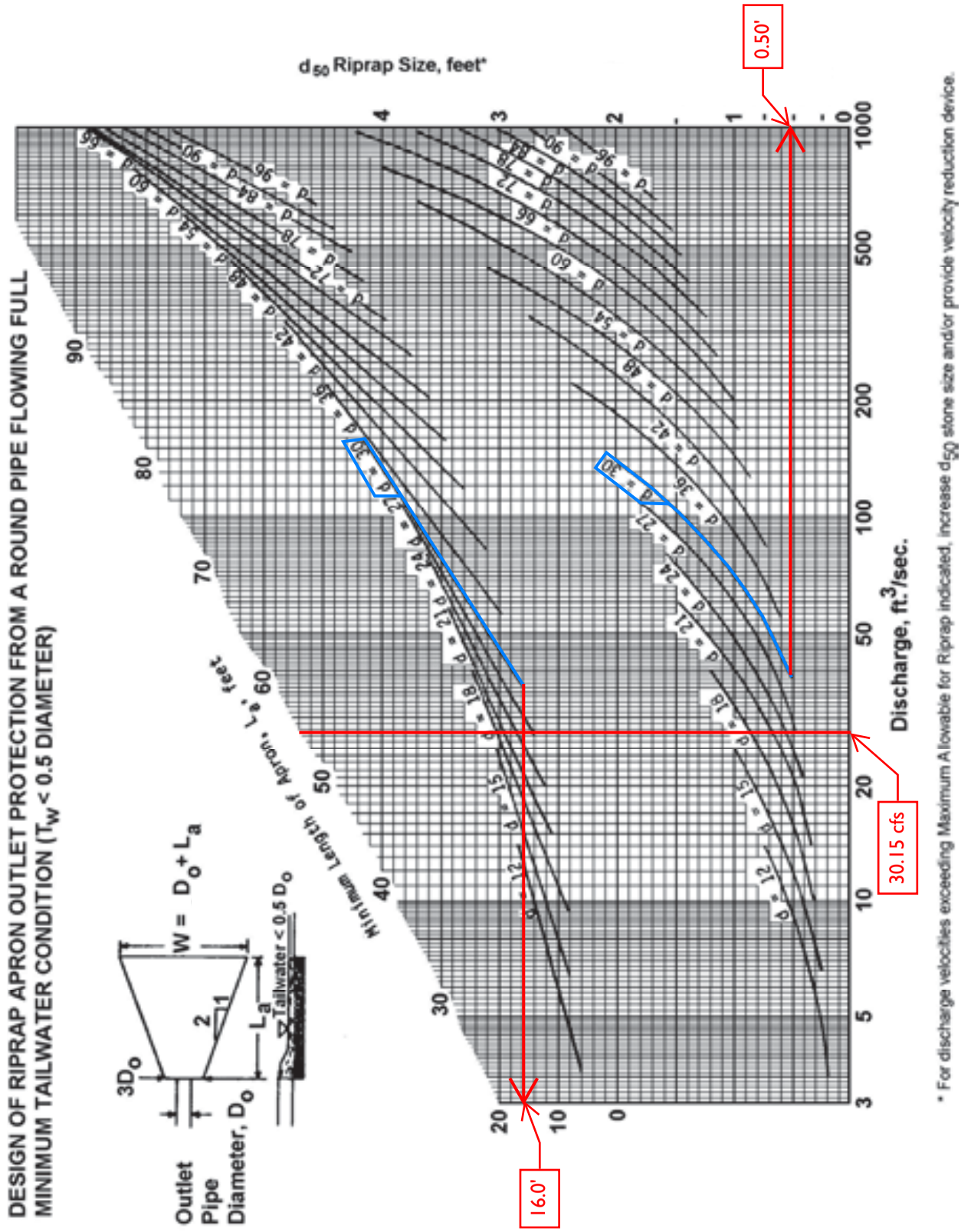


July 2025

21090 ES 3A-1 Outfall
Stormwater Management Basin (3A - Infiltration)

Do = 15" = 1.25'
Q(25) = 0.00 ; using Q(100) = 6.69
3Do = 3(1.25') = 4.75'
La = 8.0'
W = Do + La = (1.25') + (8.0') = 9.25'
d_{50} = 0.25' (3"), dmax = 0.375' (4.5"), T = 0.5625' (6.75") use 0.58' (7")

Figure 3.16
Outlet Protection Design—Minimum Tailwater Condition Chart (Design of Outlet Protection from a Round Pipe Flowing Full, Minimum Tailwater Condition: $T_w < 0.5D_o$) (USDA - NRCS)



Do = 30" = 2.5'
Q(25) = 30.15
3Do = 3(2.5') = 7.5'
La = 16.0'
W = Do + La = (1.25') + (16.0') = 17.25'
d_{50} = 0.50' (6"), dmax = 0.75' (9"), T = 1.125' (13.5") use 1.17' (14")

July 2025

21090 ES 3A-3 Outfall
Stormwater Management Basin (3A - Infiltration)

Appendix 'C' – NYSDEC Blue Book Calculations - Proposed Level Spreader

The proposed level spreader has been designed in accordance with Section 3-19, "Flow Spreader", of the New York State Standards and Specifications for Erosion and Sediment Control (2016) (Blue Book). Per this design manual, the 10-year storm is the design flow, however, the 25-year or 100-year storm was used in the calculations.

The peak stormwater flow rate to a flow spreader due to runoff from a 10-year, 24-hour storm event must be less than 0.5 cubic feet per second per foot length of the flow spreader lip.

Stormwater Management Basin 2B - Infiltration

$Q_{25} = 1.81\ cfs$ (Based on the outflow into the level spreader)

The required flow spreader lip length is:

$$L_R = \frac{Q_{25}\ cfs}{0.5\ {}^{cfs}/_{ft}} = \frac{1.81\ cfs}{0.5\ {}^{cfs}/_{ft}} = 3.62\ ft$$

Based on the proposed design, the provided flow spreader lip length is:

$L_P = 30\ ft$

Therefore, the proposed flow spreader meets the requirements of Section 3-19, "Flow Spreader", of the Blue Book.

Stormwater Management Basin 3A - Infiltration

$Q_{25} = 0.00\ cfs$ (Based on the outflow into the level spreader) ;
Using the 100-year storm $Q_{100} = 6.69\ cfs$

The required flow spreader lip length is:

$$L_R = \frac{Q_{100}\ cfs}{0.5\ {}^{cfs}/_{ft}} = \frac{6.69\ cfs}{0.5\ {}^{cfs}/_{ft}} = 13.38\ ft$$

Based on the proposed design, the provided flow spreader lip length is:

$L_P = 30\ ft$

Therefore, the proposed flow spreader meets the requirements of Section 3-19, "Flow Spreader", of the Blue Book.

APPENDIX D

SOIL TESTING DATA & WEB SOIL SURVEY

SESI
CONSULTING ENGINEERS

Geotechnical
Environmental
Site Civil

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Parsippany, NJ 07054
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GEOTECHNICAL INVESTIGATION REPORT

For

Proposed Mixed-Use Development
Letchworth Institution
2 Ridge Road, Haverstraw, NY 10927

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Assistant Project Engineer I

Bruce A. LaPenta, P.E.
Senior Project Engineer

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Lic. No. 80271

Prepared for:
BNE Real Estate

March 6, 2024

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bal@sesi.org

SESI Project No:
13390

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DRAWING

DRAWING NO. 1 Exploration Location Plan

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APPENDIX A SESI Test Pit Logs
SESI Test Boring Logs
SESI Soil Classification and Exploration Log Key

APPENDIX B SESI Laboratory Test Data

1.0 INTRODUCTION

SESI Consulting Engineers (SESI) recently completed a geotechnical investigation and infiltration testing program for the Proposed Mixed-Use Development to be located at 2 Ridge Road, Haverstraw, New York. This report summarizes SESI's geotechnical investigation, our findings, and our foundation design recommendations for the proposed development. The report also presents recommendations regarding other construction-related aspects of the proposed development, such as site preparation, groundwater control, and utility support. All elevations given in this report are referenced from the North American Vertical Datum of 1988 (NAVD-88) unless otherwise noted.

2.0 PROJECT DESCRIPTION

2.1 Site and Surrounding Conditions

According to the *Test Pit Map (Existing Conditions)*, prepared by JMC Planning, Engineering, Landscape Architecture & Land Surveying, PLLC, dated November 9, 2023, the overall site covers approximately 22.7± acres and is bounded to the north by Letchworth National Historic preserve, to the east by unoccupied wooded land and commercial and residential buildings beyond, to the south by Letchworth Village Road, and to the west by the Letchworth Village campus. The site is mostly open grassed areas with asphaltic pavement and gravel roadways. An abandoned garage structure is located in the northern portion of the site. The north and east sides of the site are densely wooded. According to the existing conditions plan, the site has a high elevation of approximately EL +460 near the center of the site, moderately grading down to a low elevation of approximately EL +420 toward the southeast corner of the site. Along the south edge, the slope sharply drops to approximately EL +392.

2.2 Proposed Development

According to the *Test Pit Map (Proposed Conditions)*, prepared by JMC Planning, Engineering, Landscape Architecture & Land Surveying, PLLC, dated November 9, 2023, we understand the proposed development consists of six (6) proposed four-story apartment buildings with three residential stories above the below grade garages, one (1) single-story clubhouse with an outdoor pool, a tennis court, a pickleball court, parking lots, and typical appurtenant site improvements. The proposed apartment buildings are labeled Buildings 1 through 6, with two layouts labelled "Building Type A" and "Building Type B". Buildings 1, 4, 5, and 6 are Type A with a footprint area of approximately 25,570± square feet, and Buildings 2 and 3 are Type B with a footprint area of approximately 19,700± square feet. The proposed clubhouse has a footprint of approximately 8,000± square feet. We understand the proposed finished floor elevations for the garage floor slabs of the proposed apartment buildings range from EL +431 to EL +449. In addition, there are four (4) proposed stormwater infiltration basins with elevations ranging from EL +424 to EL +434. The northwest basin was eliminated due to the groundwater level encountered during the exploration. Based on the provided existing grades, the proposed finished floor elevations, and the proposed bottom of basin elevations, we anticipate cuts and fills of approximately 21± feet and 11± feet, respectively to reach the proposed grades.

We were not provided with any structural foundation loads for the proposed construction. For the purposes of this report, we have assumed typical lightly loaded wall, floor, and column loading for the proposed buildings. Once final plans are completed, we should be provided with an opportunity to review the plans to confirm that our recommendations remain valid.

3.0 AVAILABLE INFORMATION REVIEW

We obtained and reviewed available FEMA flood map, historic topographic maps, and geologic maps for the site.

- FEMA Flood Insurance Rate Map - We researched and reviewed FEMA Preliminary Flood Insurance Rate Maps, Community Panel Number 36087C0084G (Effective as of March 3, 2014). The flood map indicates the site is located beyond the 0.2% annual chance flood plain. The Civil Engineer should confirm this.

- Historic Aerial Photographs – Historic aerial photographs indicate that the site was only partially developed prior to 1952. A structure located toward the center east of the site, at the end of the access road, was constructed prior to 1952. The building was demolished between 2010 and 2011.

- Geological Mapping – We reviewed the *Surficial Geologic Map of New York, Lower Hudson Sheet*, by Donald H. Cadwell, dated 1989, which indicates that the surficial geology of the site most likely contains glacial till soils consisting of poorly sorted loamy sands deposited beneath glacier ice, and outwash sands and gravels. According to the *Geologic Map of New York State, Lower Hudson Sheet*, by Fisher, D.W. et al, dated 1970, the glacial soils are underlain by hornblende granite and granitic gneiss.

4.0 SUBSURFACE INVESTIGATION AND LABORATORY PROGRAM

4.1 Field Investigation

Our engineering study consisted of a review of existing soils and geologic data, and a field investigation consisting of forty-one (41) test pits and six (6) test borings performed between January 29, 2024, and February 2, 2024. The test pits were excavated to depths ranging from approximately 11± to 15± feet below the existing ground surface using a track-mounted Komatsu PC 200 excavator, provided by BNE Real Estate (BNE). The test borings were drilled to depths ranging from approximately 12± to 20± feet below the existing ground surface using a subcontracted track-mounted Bombardier CME Rig. The approximate locations of the test pits and test borings are shown on the *Exploration Location Plan*, which is included as **Drawing 1**. The explorations performed within the proposed basins and infiltration test areas were documented per USDA classification, and the explorations performed throughout the rest of the site were classified using the modified Burmister system as shown on the SESI Soils Classification and Exploration Log Key. The individual test pit logs and test boring logs, which describe the materials encountered, along with the SESI Soils Classification and Exploration Log Key, are presented in **Appendix A**.

Soil samples suitable for identification purposes were extracted from the test pits at various intervals, and from the SPT borings at closely spaced intervals in accordance with the Standard Penetration Test (ASTM D1586-11). For the Standard Penetration Test, a standard split-spoon sampler (2 inches outside diameter, one and three-eighths inches inside diameter) is driven into the soil by a 140-pound weight falling 30 inches. After discounting the initial six inches of penetration due to possible disturbance of the material resulting from the drilling operation, the number of blows required to advance the sampler a distance of 12 inches is recorded and designated as the standard penetration resistance or “N” value. The “N” value is an indication of the relative compactness of the soil in-situ.

All field work was performed under the full-time technical observation of geotechnical engineers from SESI Consulting Engineers. Our representatives located previously staked exploration locations in the field, noted the marked elevations, maintained continuous logs of the explorations as work proceeded, and coordinated the soil sampling operations in order to develop the required subsurface information. Ground surface elevations were surveyed previously and provided on the *Sketch Map,* prepared by Ward Carpenters Engineers, Inc., dated January 25, 2024.

4.2 Stormwater Management Feasibility Infiltration Testing

Four (4) of the six (6) profile test borings and ten (10) of the 41 profile test pits, were performed in the proposed basins and other proposed infiltration areas requested by BNE. A total of eleven (11) soil infiltration tests were performed in the exploration locations. Initially one (1) test was performed in each of the infiltration areas. Based on favorable soil conditions, additional tests were performed to meet NYS stormwater management requirements.

The profile test borings were drilled using a track-mounted Bombardier CME Rig. The profile test pits were explored using a track-mounted Komatsu PC 200 excavator. The soil infiltration tests were performed at depths ranging from approximately 2± to 11± feet below the ground surface, which correlates to elevations ranging from approximately EL +425.5 to EL +441. Soils observed in these explorations were documented per the USDA classification system.

The initial stormwater management feasibility testing was done in general accordance with the requirements of the 2015 New York State Stormwater Management Design Manual, which requires a frequency of at least one (1) field test per basin. Table 1 presents a summary of the test results.

Table 1: Infiltration Test Result Summary Table

Basin Location	Bottom of Basin EL (ft)	Location Number	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Infiltration Test EL (ft)	Infiltration Rate (in/hr)
Southwest Basin	424 (original)	BP-1	2.0	427.5	Cancelled[1]	-
		TP-1	5.0	423.2	425.5	**13.25**
		TP-2	7.0	422.5	425.5	**15.50**
Southeast Basin	432 (original)	BP-2	N.E.	N.E.	432.0	**>24**
		TP-6	8.5[3]	430.2	432.0	**10.50**
		TP-7	8.0[3]	436.2	432.0	**0.50**
		TP-8	N.E.	N.E.	432.0	**9.75**
Northeast Basin	434	BP-3	N.E.	N.E.	432.0	**9.50**
		TP-21	N.E.	N.E.	432.0	**9.50**
		TP-22	N.E.	N.E.	432.0	**8.75**
		TP-27	N.E.	N.E.	Cancelled[2]	-
Additional Tests	N/A	BP-6	6.0	437.4	441.0	**3.00**
		TP-36	11.0	440.4	442.5	**0.25**

[1]: BP-1 Cancelled per email from JMC
[2]: TP-27 cancelled due to rapid infiltration at location and test depth, greater than 24 in/hr
[3]: Perched conditions observed at depths ranging from 8 to 8.5-ft below existing grade
[4]: Northwest basin cancelled per email with JMC, high groundwater EL, approx. 2-ft below existing grade

The testing was performed by installing a 4-inch diameter PVC casing in each test location to the test depths. The casings were then filled with 24 inches of water, and allowed to pre-soak for 24-hours. Once the pre-soak was completed, the casings were refilled with another 24 inches of water and the water level was monitored for one (1) hour to obtain the infiltration rate at each location. This procedure was repeated three (3) times for a total of four (4) observations per infiltration test. The last of the four (4) observations for each test location were reported to provide an unfactored field infiltration rate in inches per hour. We recommend that the Civil Engineer apply a standard factor of safety to the field measured results.

4.3 Geotechnical Laboratory Program

Soil samples suitable for identification purposes were extracted from the explorations at various intervals. The soil samples were brought to our soil mechanics laboratory for additional classification and appropriate geotechnical testing. The laboratory testing program consisted of five (5) mechanical grain size analyses, one (1) percent passing the sieve No. 200 test, and six (6) water content determinations. The results of the percent passing sieve No. 200 test and the water content determinations are presented on the individual test pit logs. The results of the mechanical grain size analyses are presented on the individual test pit logs and in graphical form as **Figures 1** through **5** in **Appendix B**.

4.4 Subsurface Conditions

The investigation data indicates the subsurface conditions at the site generally consist of surficial materials, underlain by glacial ground moraine which includes sands, gravels, and silts/clayey silts with cobbles and boulders. The following generalized strata are listed in the order of increasing depth.

4.4.1 Surface Materials

Topsoil was observed at the surface of all explorations with thicknesses ranging from approximately 2± inches to 8± inches. The remainder of the site has topsoil, asphalt, or gravel at the surface.

4.4.2 Natural Soils

Beneath the surface materials in all locations, natural soils were encountered. The soils generally consisted of silt/clayey silt with varying amounts of sand and gravel, or coarse to fine sand with varying amounts of gravel and silt/clayey silt. Cobbles were noted in several of the test pits and were potentially indicated by high SPT N-Values in several of the borings. Pockets of silty clay were observed in test pits TP-12 and TP-14 at depths ranging from approximately 1± to 4± feet below the existing grade. Additionally, a stratum of primarily coarse to fine gravel was observed in boring BP-4 at a depth of approximately 9.5± feet below existing grade. All explorations were terminated within the natural soils. The fine-grained soils were observed to be in a soft to very hard condition, and the granular soils were observed to be in a medium dense to very dense condition based on the observed bucket resistance and SPT N-values. Each of the borings, with the exception of BP-2 were complete due to split spoon and auger refusal.

4.4.3 Groundwater

Where encountered, groundwater was observed seeping into the explorations at depths ranging from 1± foot to 13± feet below existing grade. Groundwater was observed at elevations ranging from approximately EL +422.5 to EL +441.6 with lower elevations noted in the southern area of the site. Perched water conditions were observed in test pit TP-7 at a depth of approximately 8± feet (EL434.2). Groundwater variations were attributed to the variations in site topography from

north to south, the relatively short period of time the explorations were left open, and varied seepage rates due to the variation in soil gradation and density. Locally, however, (i.e., at building and basin locations) groundwater levels were more consistent.

Fluctuations in the groundwater levels should be anticipated based on the time of year and amount of recent precipitation. If more accurate groundwater elevations are required, SESI recommends that groundwater monitoring wells be installed and monitored during the seasonal high groundwater time of year (January to April) to confirm the seasonal high groundwater elevation.

5.0 EVALUATION AND RECOMMENDATIONS

5.1 Introduction

The recommended site preparation and building support considerations discussed in this report are based on the subsurface information obtained during our subsurface exploration program and geotechnical engineering considerations. Our geotechnical design considerations may require modifications to address environmental and/or legal considerations. This may include reuse of on-site materials, handling and disposal of soils, pumping/treating of groundwater or runoff, etc.

Based on the results of our geotechnical study, the natural site subsurface soils will allow the structures to be supported on conventional spread foundations and conventional slab on grade construction. Some of the natural soils contain high percentages of fine-grained material, which will make the soils moisture sensitive, especially during periods of rain, snow melt, etc. Moisture sensitive soils may be difficult to compact when wet and may require moisture conditioning. The earthwork contractor should consider methods to protect moisture sensitive subgrades and stockpiles from excessive moisture. It may be prudent to overexcavate moisture sensitive soils and place a minimum six (6) inch layer of ¾ inch clean crushed stone to replace the overexcavated material. Additionally, groundwater was encountered in test pit TP-18 (Building 6) above the proposed finished floor elevation (EL 431) for the garage slab. In Building 1, groundwater was encountered less than 1 foot below the garage floor. It may be necessary to design and install a sub-slab drainage system and/or moisture barrier to prevent flooding and dampness, respectively, in the garage for both structures.

5.2 Site Preparation Procedures

5.2.1 Initial Site preparations

Site preparation should begin by demolishing the existing buildings including removing the existing foundations, removing the topsoil, asphalt, vegetation and existing subsurface improvements. The site preparations should extend to at least 10± feet beyond the limits of the proposed building areas. Subsurface utilities that will be abandoned should be completely removed, or filled solid, from within the limits of the proposed building and paved areas of the site.

Excavations resulting from the removal of the existing building elements should be backfilled in a controlled manner. Any controlled compacted fill should be placed in accordance with the recommendations of this report under the observation of a geotechnical engineer. Foundations and other concrete excavated from the subgrade should be staged onsite until proper environmental evaluation and disposal, if necessary, can be arranged. The topsoil may be stockpiled and reused in future landscaped areas.

The asphalt pavement could be milled and temporarily stockpiled onsite and incorporated into the design of future pavement areas. The reuse of asphalt millings at this site should be reviewed by your environmental consultant.

All clearing activities should be performed in accordance with approved soil erosion and sediment control plans prepared for the project. All site preparation work should be performed in accordance with environmental regulations and requirements established for the site, as well as Local, State, and Federal regulations. Once clearing activities have been completed, the site preparation should continue by cutting and filling the site to grade. Prior to placing any fill material on the site, the entire area should be proofrolled with a heavy vibratory roller (minimum 10-ton static drum weight) under the observation of a qualified geotechnical engineer. The proofrolling should consist of making a minimum of 4 complete coverages of the area. Soft areas disclosed during the proofrolling should be excavated to stable material and backfilled with suitable material in compacted lifts to achieve a minimum of 92 percent with an average greater than 95 percent of Modified Proctor density (ASTM D 1557).

5.3 Earthwork

5.3.1 Re-use of Existing On-site Soils

The existing on-site soils may be used as structural fill provided that organic and other deleterious materials are removed. Some of these materials are considered moisture sensitive due to a high silt/clay content. The soils may be over optimum moisture in their current condition, requiring drying or treatment prior to their reuse. Moisture sensitive soils can be difficult to compact when significantly over optimum water content. Moisture conditioning, wetting or drying of the fill soils may be required prior to their reuse. The ease with which soil fills can be placed will, to a degree, depend on the time of year in which construction takes place and the construction procedures utilized by the earthwork contractor.

Fill considered unsuitable for re-use as structural fill may be used as non-structural fill, in the proposed landscaped areas, or removed from the site. All wood, trash, metal, vegetation, and other deleterious materials should be removed prior to reuse of the fill material. Cobbles, boulders, and concrete debris encountered can be stockpiled and crushed on-site for re-use as compacted fill. The use of crushed concrete should be evaluated and approved by the geotechnical and environmental engineers.

We recommend minimizing the exposure of on-site soil to wet weather conditions; fill soil should be placed as soon as possible once they are excavated, with stockpiling of on-site soil minimized where construction permits. Stockpiled soil should be protected from rain/snow.

5.3.2 Imported Fill

Imported fill should have a maximum particle size of 3 inches and the maximum amount of fines (percentage passing a No. 200 mesh sieve) should be 15% to help facilitate construction during wet weather. The “fines” should be non-plastic. The use of any imported fill containing a higher percentage of fines should be evaluated by the geotechnical engineer during construction. Imported fill should be free of organic, frozen, and other deleterious materials. It should be verified to be free of chemical constituents and approved by your environmental consultant and SESI prior to import.

Grain size distribution and Modified Proctor density tests (ASTM D1557) should be performed on representative samples of the imported fill. The contractor should provide a sample of the imported fill material, along with any laboratory testing results, and should obtain approval from the geotechnical and environmental engineers prior to moving material on-site.

5.3.3 Fill Compaction and Protection of Subgrade

Care should be taken to limit the disturbance of proof-rolled areas and soil subgrades prior to finished construction. At a minimum, all subgrade areas should be sealed and graded by rolling with a smooth-drum roller at the end of each working day to maximize surface water runoff and minimize potential ponding and infiltration.

We anticipate that shallow and perched groundwater may be encountered in excavations at various locations on site. In these excavations, it may be necessary to place an initial lift of shot rock/clean stone to provide a stabilized working surface. A filter fabric may be necessary above the shot rock/clean stone layer to prevent migration of fines, if significant voids are present.

Granular fill should be properly compacted in loose lifts not exceeding 12 inches in thickness. The lifts should be compacted to at least 92 percent with an average of greater than 95 percent of the Modified Proctor density (ASTM D1557). In-place field density tests should be performed to determine the adequacy of the compacted fill.

Backfill in confined areas, such as utility trenches, and foundations within load bearing or paved areas, should be placed in maximum 6-inch-thick layers and compacted to a minimum of 92 percent with an average of 95 percent density as described above.

Areas, which will not have any foundations or other structural loads, may be compacted to a minimum of 90 percent of the maximum Modified Proctor density (ASTM D 1557).

5.4 Control of Groundwater

Due to the presence of groundwater at depths ranging from approximately 1± to 13± feet below the ground surface, we anticipate groundwater seepage will be encountered during excavation of the natural soils to reach proposed footing grades and utility installation depths. In most of the building areas, groundwater was encountered at depths approximately 6± feet below the proposed garage finished floor elevations. In areas where shallow or perched groundwater was encountered, it may be necessary to use gravel-filled sumps with pumps below the subgrade elevation to allow for temporary dewatering of the excavation. Dewatering should be done in accordance with the environmental engineer's requirements for treatment and disposal.

A permanent sub-slab drainage system design should be included due to the presence of shallow groundwater encountered at elevations above or near the proposed garage floor elevations as observed in Buildings 6 and 1. The drainage system should consist of a stone layer and piping, installed below the slab and tied into the nearest stormdrain or a proposed stormwater basin.

Rainwater can also enter open excavations. The fine-grained soils encountered throughout the soil profile are expected to be moisture-sensitive and should be maintained in a dry condition prior to fill placement. All exposed subgrade soils should be graded to drain and tight rolled at the end of the day, particularly if wet weather is anticipated. During rainfall events, surface run-off should be prevented from entering open foundation excavations by properly grading the surrounding areas to divert surface water away from such excavations.

5.5 Slopes and Excavations

OSHA requires that all excavations in excess of 4 feet be shored, braced, or adequately benched/sloped in order to provide protection from sidewall collapses, with all excavations conducted in accordance with 29 CFR Part 1926 "Safety and Health Regulations for Construction", Subpart P "Excavations".

In accordance with the 2020 New York State Building Code, Chapter 33, Section 3304.1.1, permanent soil slopes should be limited to a maximum of 2-horizontal to 1-vertical. Steeper slopes would need to be evaluated by a Geotechnical Engineer and the Building Official.

5.6 Utility Lines

The site's soils will provide suitable support for utility lines. Cobbles greater than 4 inches in diameter should be removed from the utility line subgrade or a minimum 4-inch thick sand layer placed beneath the utility lines. If utility lines fall within soft soils, the excavation should be extended an additional 12 inches and replaced with ¾-inch clean crushed stone or clean sand and gravel.

Backfill placed around and 6-inches above utility lines should have a maximum particle size of 1.5 inches. The backfill of utility trenches that fall within load-bearing areas (e.g., beneath slabs and roadway/parking areas) should be placed in maximum 6-inch thick lifts and compacted to the same density requirements as in the building/parking areas. Trench backfills, in non-load bearing areas, should be compacted to 90 percent of Modified Proctor density (ASTM D1557).

5.7 Retaining Walls

Based on a review of the grading plans, two (2) retaining walls will be required in order to reach the anticipated final site grades. The retaining wall leveling course may be placed on the natural inorganic soil or controlled compacted fill. The excavation for the retaining wall subgrade should extend through any fill and organic soil, if encountered, to the natural soils. Areas of over excavation should be backfilled in lifts with a suitable granular fill and compacted with a vibratory roller, to the subgrade elevation.

The retaining wall foundation and backfill material should be placed in accordance with the design specifications. Retaining wall backfill should consist of a free-draining granular material with less than 15 percent non-plastic fines. The maximum particle size for the retaining wall backfill should be 3 inches or as specified by the design engineer. Retaining wall backfill should be placed in maximum 8-inch lifts and compacted with hand-operated compaction equipment to achieve 95 percent of the Modified Proctor density (ASTM D1557). Some of the existing site soils may be suitable for use as retaining wall backfill and should be evaluated by the geotechnical engineer prior to retaining wall construction. The subgrade and wall backfill material must meet the design specifications and/or the wall manufacturers guidelines.

All retaining walls should be designed with positive drainage behind the wall to preclude hydrostatic pressures from developing. If water is encountered at the back of the reinforced zone when constructing the walls, it may be necessary to install a heel drain at the back of the reinforced zone.

A licensed Professional Engineer should design the proposed retaining walls. SESI can provide these design services, if requested.

5.8 On-Grade Pavement Construction

The proposed conditions plan indicates on-grade parking and roadways around the proposed buildings. After stripping the surface vegetation, topsoil, pavement, and existing site improvements, where encountered, the parking lot/roadway area subgrade should be graded and then proofrolled using a large vibratory roller (minimum 10-ton static drum weight). The proofrolling should consist of making 4 complete coverages of the area. If any soft areas are encountered during the compacting/proofrolling, they should be excavated to stable material and replaced with a controlled compacted fill. The thickness of individual lifts of soil fill should be

limited to 12 inches. The fill should be compacted using a large vibratory roller (minimum 10-ton static weight) to achieve a minimum dry density of 92 percent and an average density of greater than 95 percent, except in the upper 2 feet where a minimum of 95 percent of Modified Proctor density, as determined from laboratory test ASTM D 1557, should be achieved to provide suitable pavement support. Visual observations and in-place field density tests should be performed to determine the adequacy of the compaction. The proofrolling should be observed by the geotechnical engineer.

Upon completion of the stripping/excavation/proofrolling operations, the fill required to attain finished subgrade elevation should be placed in lifts and compacted with the same or similar compactor as used for the proofrolling.

Fill materials may be obtained from the existing inorganic on-site soils or from off-site borrow. If off-site borrow material is required, it should have a maximum particle size of 3 inches and the maximum amount of fines (percentage passing a No. 200 mesh sieve) should be 15% to help facilitate construction during wet weather. The “fines” should be non-plastic. Moisture conditioning, wetting or drying of the fill material should be performed as necessary to achieve the required density.

The existing asphalt pavement could be milled and temporarily stockpiled on-site and incorporated into the design of future pavement areas. The subbase materials may consist of Item 4, Recycled Concrete Aggregate (RCA) or Asphalt Millings. All subbase materials must be approved by the geotechnical and environmental engineers prior to their placement.

5.9 Testing Requirements

During the placement of all fill, visual observations and in-place density tests should be performed to determine the adequacy of the fill. Density testing should be done in accordance with the following minimum frequency requirements or as determined by the geotechnical engineer.

Building Areas: Minimum of 4 tests per 12-inch lift; spacing not to exceed 50 feet between test locations.

Parking/Roadway Areas: Minimum of 3 tests per 12-inch lift; spacing not to exceed 100 feet between test locations.

Minimum density requirements are outlined in the previous sections of this report.

6.0 FOUNDATION DESIGN CRITERIA

6.1 Shallow Foundation Support

The proposed building foundations may be supported on conventional spread/strip footings and slab-on-grade construction bearing within the natural inorganic soils or controlled compacted fills. Footings founded on natural inorganic soils or controlled compacted fill may be designed for a maximum net allowable bearing pressure of 2.0 tons per square foot, tsf (4,000 pounds per square foot, psf).

Regardless of the loads, the minimum plan dimension of isolated footings should be 36 inches and the minimum width of continuous footings should be 24 inches. Exterior footings and those footings potentially exposed to frost action should bear a minimum of 4 feet below adjacent exterior grade or as required by the local building code. Interior footings within heated building areas may bear at conventional depths below the slab provided they are placed on natural soils or controlled compacted fill.

Some of the soil is considered moisture sensitive. Footing excavations should therefore be left open for as short a time as practical to avoid excessive disturbance to the exposed subgrade. Should the bottom of a footing excavation become softened during construction, the soft material should be excavated and replaced with clean ¾-inch crushed stone. It may be prudent to over-excavate all footing locations and place a minimum six (6) inch layer of ¾-inch clean crushed stone. The stone will provide a stable working mat and a medium through which to pump stormwater runoff. In areas with shallow groundwater, it will be required to over-excavate the footing locations and place a minimum six (6) inch layer of ¾-inch clean crushed stone.

6.2 Below-Grade Wall and Slab Construction

Below-grade walls should be assumed to be fixed against rotation and designed to sustain soil and surcharge loading. The surcharge loads should include temporary loads from construction equipment and temporary stockpiles. Permanent loads include backfills and other improvements that are located above a 1H:1V theoretical influence line extending upward from the base of the below-grade wall.

The below-grade walls should be properly braced against unequal loads, and the concrete given sufficient curing time before backfilling with controlled compacted fill. Over-compaction should be avoided behind the below-grade walls.

We recommend an exterior drainage system be installed to mitigate hydrostatic pressure along the below grade exterior walls. The exterior drains should extend to the bottom of the foundation and consist of 4-inch ADS piping wrapped in filter fabric, backfilled with 12-inches of ¾-inch diameter clean crushed stone. The use of drainage board along the exterior walls could also facilitate the drainage of groundwater near the foundation walls. The exterior drains should be gravity fed to the nearest stormwater inlet or basin, if possible. The installation of a one-way valve could mitigate the risk of storm sewer backup into the drainage piping.

The floor slabs should be designed as a slab-on-grade using a subgrade modulus of 175 pounds per cubic inch (pci), assuming that a 6-inch-thick layer of granular material with a maximum particle size of 1.5 inches and a maximum percent passing the No. 200 mesh sieve of 15 percent is placed beneath the floor slab. In areas where the floor finishes could be damaged by water vapors, a polyethylene vapor barrier should be provided to interrupt the rise of capillary moisture through the slab. The need for a vapor barrier should be evaluated by the design engineer or architect based on the final design and floor finishes.

In the areas of Buildings 6 and 1, where groundwater was encountered above or near the proposed garage floor elevations, the installation of a sub-slab drainage system should be considered below the basement slab. We recommend that the system consist of a minimum 12-inch-thick layer of ¾-inch clean stone placed below the slab with a network of 4-inch perforated ADS piping draining to a sump pit or chamber with dual alternating pumps and a back-up power supply, or be gravity fed to the nearest stormwater inlet or basin. Additionally, water stops should be used at joints where foundation wall sections and the slab come together such as in Buildings 1 and 6. Dewatering should be done in accordance with the environmental engineer's requirements for treatment and disposal.

6.3 Seismic Design

In accordance with ASCE 7-16 and the 2020 Building Code of New York State, Seismic Site Class C can be used for seismic design purposes. Based on a structural occupancy/risk category of II/III, and information provided by the American Society of Civil Engineers, the following seismic design criteria should be used for the site.

Seismic Design	
2020 Building Code of New York State and ASCE 7-16 Seismic Design Parameter	**Value**
Seismic Site Class	Site Class C
Mapped Spectral Response Acceleration	S_s = 0.287 g (short periods) S_1 = 0.061 g (1-second period)
Site Coefficients	F_a = 1.3 (short periods) F_v = 1.5 (1-second period)
Spectral Responses	S_{MS} = 0.374 g (short periods) S_{M1} = 0.091 g (1-second period)
Design Spectral Response Accelerations	S_{DS} = 0.249 g (short periods) S_{D1} = 0.061 g (1-second period)

6.4 Settlements

After satisfactory completion of the outlined building area preparation procedures, footings and floor slabs founded on controlled compacted fill and/or natural soils should have post-construction total settlements of less than ¾-inch and maximum differential settlements over a 30-foot span of less than ½-inch.

7.0 INSPECTION

SESI should inspect the proofrolling operations, the placement of the compacted fill, and the bottom of the footing excavations prior to the placement of concrete and/or stone. Visual observations and in-place density testing should be done throughout fill construction to determine that the work is done in accordance with our recommendations.

SESI has interpreted the site subsurface conditions and developed the foundation design recommendations contained herein and is therefore best suited to perform the above-mentioned quality assurance observation and testing. Recognizing that construction is essentially the completion of design, SESIs quality assurance observation and testing during construction is necessary to maintain our continuity of responsibility as it relates to the geotechnical aspects of this project.

8.0 CLOSURE

The recommendations given in this report are based on the explored test pits and test borings performed at the site to date. Once the proposed development plans are finalized, we should review these recommendations and provide any supplemental recommendations, if necessary.

The conclusions and recommendations given in this report represent our best engineering judgment as to the appropriate foundation systems for the proposed construction based on currently available investigation data and architectural information. Recommendations given are contingent upon one another and no recommendation should be followed independently of the others. Any changes in the location, elevation, and/or loading of the proposed building(s) should be brought to our attention and we should be provided with the site, structural and architectural drawings once they are finalized, so we can review, confirm, or modify (if necessary) the recommendations provided herein.

This report has been prepared to assist the Architect and Structural Engineer in their initial design. The recommendations given should be incorporated in the project design through inclusion in the Project Construction Drawings. SESI should be provided with the final foundation drawings and details prepared by the Structural Engineer and Architect, so we can confirm our recommendations are properly incorporated in the construction documents. Our office should also review foundation-related contractor submittals and construction procedures related to the geotechnical aspects of construction. SESI cannot assume responsibility for use of this report for any areas beyond the limits of this study.

9.0 LIMITATIONS

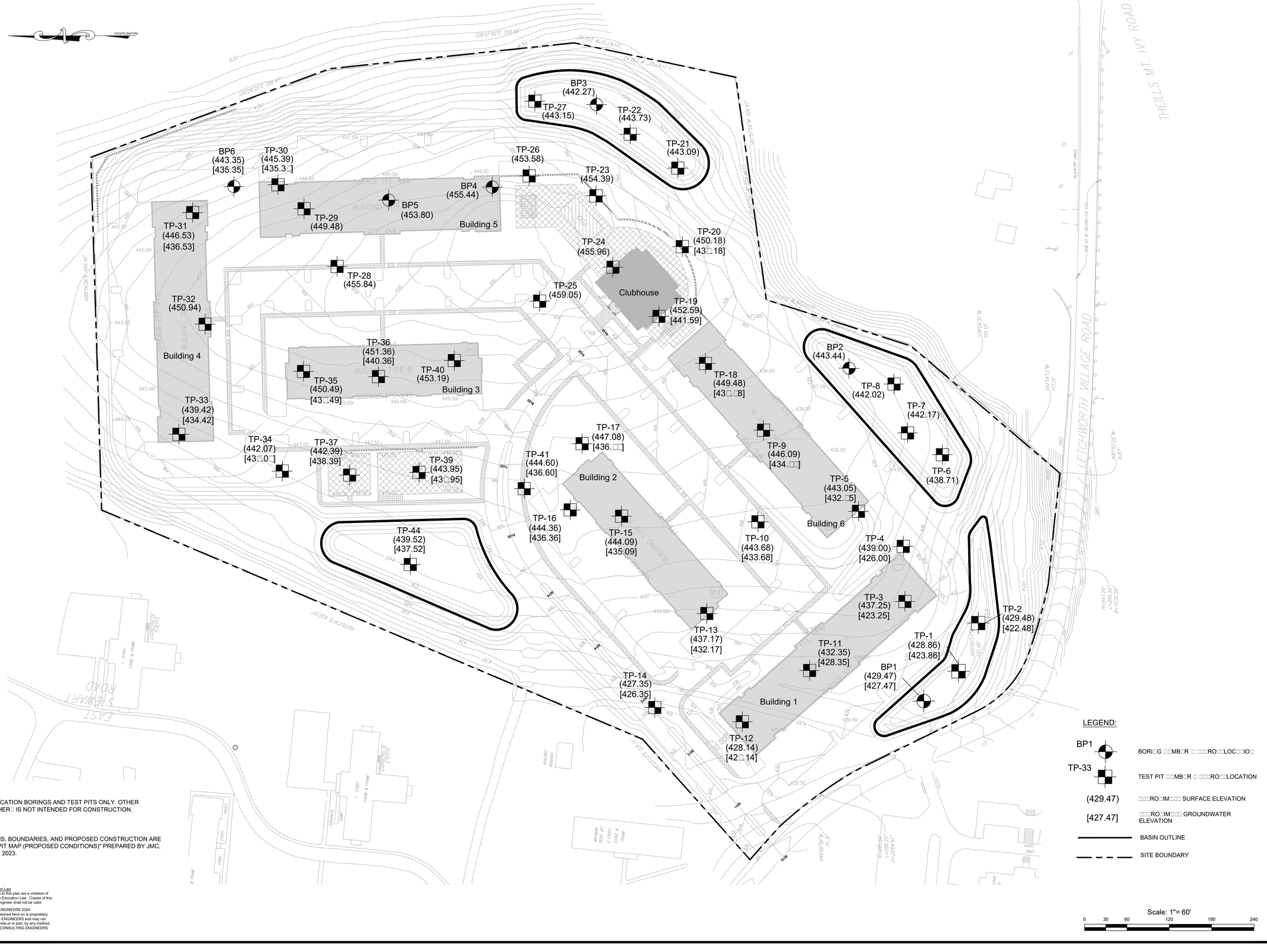
The subsurface investigation performed identifies the subsurface conditions only at the locations of the explorations and at the depths where the samples were taken. Test pit locations were laid out based on existing site features. SESI Consulting Engineers reviews the published geologic data and the field and laboratory data and uses their professional judgment and experience to render an opinion on the subsurface conditions throughout the site. Because the actual subsurface conditions may differ, we recommend that SESI be retained to provide construction inspection in order to minimize the risks associated with unanticipated conditions. This report should not be used:

- When the nature of the proposed construction is changed.
- When the size or configuration of the proposed construction is altered.
- When the location or orientation of the proposed construction is modified.
- When there is a change in ownership; or
- For application to an adjacent or any other site.

SESI shall not accept any responsibility for problems which may occur if SESI is not consulted when there are changes to the factors considered in this report's development. The soil logs should not be separated from the Engineering Report in order to minimize the possibility of soil log misinterpretation.

10.0 DISCLAIMER

This Report was prepared by SESI for the sole and exclusive use of BNE Real Estate. Nothing under the Professional Services Agreement between SESI and its client BNE Real Estate shall be construed to give any rights or benefits to anyone other than Client and SESI, and all duties and responsibilities undertaken pursuant to the Agreement will be for the sole and exclusive benefit of Client and SESI and not for the benefit of any other party. This Report has been prepared and issued subject to the express condition that the same is not to be disseminated to anyone other than Client, without the advance written consent of SESI (which SESI, in its sole discretion, is free to grant or withhold). Use of the Report by any other person is unauthorized and such use is at the sole risk of the user.



NOTE:
THIS PLAN IS FOR LOCATION BORINGS AND TEST PITS ONLY. OTHER SITE WORK SHOWN HER□ IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE:
EXISTING CONDITIONS, BOUNDARIES, AND PROPOSED CONSTRUCTION ARE TAKEN FROM "TEST PIT MAP (PROPOSED CONDITIONS)" PREPARED BY JMC, DATED NOVEMBER 9, 2023.

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

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dwg by: AW
chk by: NO
scale: AS NOTED
date: 02/05/2024

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LETCHWORTH ROAD RESIDENTIAL DEVELOPMENT
LETCHWORTH VILLAGE ROAD
HAVERSTRAW, N.Y.

title:
EXPLORATION LOCATION PLAN

job no. 13390
drawing no.
DWG-1

APPENDIX A

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-1

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±428.9-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.211611 **LONGITUDE** -74.022710

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 5.00 ft
AT END OF EXCAVATION 5.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown (10YR 4/3) Sandy Loam, 15% Gravel, Subangular blocky, slightly hard, with roots		Moist	Slightly Hard	
	424	Brown (10YR 4/3) Sandy Loam, 15% Gravel, 10% Cobbles, Subangular blocky, Firm	5	Wet		
	419		10		Firm	
	414	TEST PIT COMPLETED AT 15± FEET	15			
	409		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-2

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±429.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.211768 **LONGITUDE** -74.022576

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 7.00 ft
AT END OF EXCAVATION 7.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown (10YR 4/3) Sandy Loam, 15% Gravel, subangular blocky, slightly hard, with roots		Dry	Slightly Hard	
	425		5			
		Brown (10YR 4/3) Sandy Loam, 15% Gravel, subangular blocky, Firm		Wet		
	420		10		Firm	
	415		15			
		TEST PIT COMPLETED AT 15± FEET				
	410		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-3

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-31-2024 **COMPLETED** 01-31-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±437.2-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.211789 **LONGITUDE** -74.021961

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 14.00 ft
AT END OF EXCAVATION 14.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown coarse to fine SAND, some medium to fine Gravel, little Silt				
	433		5	Dry	Medium Dense	
	428		10			
	423		15	Wet	Medium Dense	
		TEST PIT COMPLETED AT 15± FEET				
	418		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-4

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-31-2024 **COMPLETED** 01-31-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±439.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212055 **LONGITUDE** -74.022002

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 13.00 ft
AT END OF EXCAVATION 13.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown coarse to fine Sand, some coarse to fine Gravel, some Silt		Moist	Medium Dense	
	434		5			
		Brown coarse to fine SAND, some Silt, little coarse to fine Gravel		Moist	Medium Dense	
	429		10			
				Wet	Medium Dense	
	424	TEST PIT COMPLETED AT 15± FEET	15			
	419		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-5

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-31-2024 **COMPLETED** 01-31-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±443.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212055 **LONGITUDE** -74.021735

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 11.00 ft
AT END OF EXCAVATION 11.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown coarse to fine Sand, some medium to fine Gravel, some Silt				
	439		5	Dry	Medium Dense	
	434		10	Wet		
	429		15		Medium Dense	
		TEST PIT COMPLETED AT 15± FEET				
	424		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-6

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±438.7-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.211952 **LONGITUDE** -74.021361

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Dark yellowish brown (10YR 4/4) Silt Loam, 15% Gravel, subangular blocky, Slightly Hard				
	434		5	Dry	Slightly Hard	
		Same as above		Wet		Perched water observed
	429		10			
				Moist	Firm	
	424		15			
		TEST PIT COMPLETED AT 15± FEET				
	419		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-7

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±442.2-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212018 **LONGITUDE** -74.021410

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
	438	Brown (10YR 4/3) Sandy Loam, 20% Gravel, Subangular Blocky, slightly hard	5	Dry	Slightly Hard	W.C. = 12.2% (-200) = 33.6%
		Brown (10YR 4/3) Silty Loam, 15% Gravel, Subangular Blocky, firm		Wet Moist	Firm	
	433 428	Brown (10YR 4/3) Sand, 5% Gravel, Single Grained, very firm	10	Moist	Very Firm	
		TEST PIT COMPLETED AT 15± FEET	15			
	423		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-8

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±442.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.211920 **LONGITUDE** -74.021184

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown (10YR 4/3) Sand Loam, 15% Gravel, Subangular Blocky, very firm				
	438		5		Firm	
				Moist		
	433		10		Very Firm	
	428		15			
		TEST PIT COMPLETED AT 15± FEET				
	423		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-9

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-31-2024 **COMPLETED** 01-31-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±446.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212574 **LONGITUDE** -74.021373

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 12.00 ft
AT END OF EXCAVATION 12.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown coarse to fine SAND, little coarse to fine Gravel, little Silt				
	442		5	Dry	Medium Dense	
	437		10	Wet		
	432		15		Medium Dense	
		TEST PIT COMPLETED AT 15± FEET				
	427		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-10

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-31-2024 **COMPLETED** 01-31-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±443.7-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212168 **LONGITUDE** -74.021789

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 10.00 ft
AT END OF EXCAVATION 10.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown Clayey SILT, some coarse to fine Sand, little medium to fine Gravel				
	439		5	Moist	Stiff	
	434		10	Wet		
					Stiff	
	429		15			
		TEST PIT COMPLETED AT 15± FEET				
	424		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-11

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±432.4-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212378 **LONGITUDE** -74.022405

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 4.00 ft
AT END OF EXCAVATION 4.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown Clayey SILT, some coarse to fine Sand, little medium to fine Gravel		Dry	Stiff	
	428	Brown Clayey Silt, and coarse to fine Sand, trace fine Gravel	5	Wet		W.C. = 19.2% (-200) = 47.6%
	423		10		Stiff	
	418		15			
		TEST PIT COMPLETED AT 15± FEET				
	413		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-12

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-02-2024 **COMPLETED** 02-02-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±428.1-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212620 **LONGITUDE** -74.022888

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 1.00 ft
AT END OF EXCAVATION 1.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown Clayey Silt, some coarse to fine Sand, little medium to fine Gravel, with pockets of light brown Silty CLAY		Wet	Stiff	
	424	Brown Clayey SILT, some coarse to fine Sand, trace fine Gravel	5			
	419		10	Wet	Stiff	
	414					
		TEST PIT COMPLETED AT 15± FEET	15			
	409		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-13

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±437.2-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212786 **LONGITUDE** -74.022216

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 5.00 ft
AT END OF EXCAVATION 5.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown Clayey SILT, some coarse to fine Sand, little medium to fine Gravel		Moist	Stiff	
	433		5	Wet		
	428		10		Stiff	
	423		15			
		TEST PIT COMPLETED AT 15± FEET				
	418		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-14

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-02-2024 **COMPLETED** 02-02-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±427.4-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 13.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213005 **LONGITUDE** -74.022737

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 1.00 ft
AT END OF EXCAVATION 1.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown Silt, some coarse to fine Sand, little medium to fine Gravel, with pockets of light brown Silty CLAY		Wet	Stiff	
	423	Brown SILT, some coarse to fine Sand, little medium to fine Gravel	5			
	418		10	Wet	Stiff	
		TEST PIT COMPLETED AT 13± FEET DUE TO BUCKET REFUSAL				
	413		15			
	408		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-15

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±444.1-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213443 **LONGITUDE** -74.021647

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 9.00 ft
AT END OF EXCAVATION 9.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown coarse to fine Sand, and Clayey Silt, some medium to fine Gravel				
	440		5	Moist	Medium Dense	
						W.C. = 15.3% (-200) = 36.6%
	435		10	Wet		
					Medium Dense	
	430		15			
		TEST PIT COMPLETED AT 15± FEET				
	425		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-16

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±444.4-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213332 **LONGITUDE** -74.021721

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 8.00 ft
AT END OF EXCAVATION 8.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown coarse to fine Sand, and Clayey Silt, some medium to fine Gravel				
	440		5	Moist	Medium Dense	
				Wet		
	435		10			
					Medium Dense	
	430		15			
		TEST PIT COMPLETED AT 15± FEET				
	425		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-17

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±447.1-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213480 **LONGITUDE** -74.020768

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 11.00 ft
AT END OF EXCAVATION 11.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown coarse to fine Sand, and Clayey Silt, little medium to fine Gravel				
	443		5	Dry	Medium Dense	
	438		10			
		Brown coarse to fine Sand, and Clayey Silt, trace medium to fine Gravel, with Cobbles		Wet		
	433				Medium Dense	
		TEST PIT COMPLETED AT 15± FEET	15			
	428		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-18

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±449.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212734 **LONGITUDE** -74.021099

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 9.50 ft
AT END OF EXCAVATION 9.50 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
	445	Brown coarse to fine SAND, some Silt, little medium to fine Gravel	5	Dry	Medium Dense	
	440		10	Wet	Medium Dense	
		TEST PIT COMPLETED AT 11± FEET DUE TO BUCKET REFUSAL				
	435		15			
	430		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-19

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±452.6-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213140 **LONGITUDE** -74.020551

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 11.00 ft
AT END OF EXCAVATION 11.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown Clayey SILT, some coarse to fine Sand, trace medium to fine Gravel				
	448		5	Dry	Stiff	
	443		10			
		TEST PIT COMPLETED AT 11± FEET DUE TO BUCKET REFUSAL				Water observed seeping in at refusal depth
	438		15			
	433		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-20

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±450.2-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212808 **LONGITUDE** -74.020362

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 13.00 ft
AT END OF EXCAVATION 13.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
		Brown coarse to fine SAND, little Silt, trace fine Gravel		Dry	Medium Dense	
	446		5			
	441		10			
		Red-brown coarse to fine SAND, little Silt, little coarse to fine Gravel, with Cobbles		Wet	Medium Dense	
	436		15			
		TEST PIT COMPLETED AT 15± FEET DUE TO BUCKET REFUSAL				
	431		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-21

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±443.1-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212963 **LONGITUDE** -74.020148

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
	439	Yellowish brown (10YR 5/6) Sand, 20% Gravel, single grain, Loose to Slightly Hard	5	Dry	Loose	
	434		10		Slightly Hard	
		TEST PIT COMPLETED AT 11± FEET DUE TO BUCKET REFUSAL				
	429		15			
	424		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-22

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±443.7-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.212990 **LONGITUDE** -74.019812

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
	439	Dark yellowish brown (10YR 4/4) Sandy Loam, 5% Gravel, subangular blocky, loose	5	Dry	Loose	
	434		10			
		Dark yellowish brown (10YR 4/4) Sandy Loam, 15% Gravel, 10% Cobbles, subangular blocky, firm			Moderately Hard	
		TEST PIT COMPLETED AT 11± FEET DUE TO BUCKET REFUSAL				
	429		15			
	424		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-23

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±454.4-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213041 **LONGITUDE** -74.020178

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
	450	Brown coarse to fine SAND, some Silt, little coarse to fine Gravel	5	Dry	Medium Dense	
	445		10			
	440		15			
		TEST PIT COMPLETED AT 15± FEET				
	435		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-24

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±456.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213072 **LONGITUDE** -74.020477

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
		Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt		Dry	Medium Dense	Location offset 8 feet due to obstruction
	451	Gray-brown coarse to fine SAND, some coarse to fine Gravel, trace Silt, with Cobbles	5			
				Dry	Medium Dense	
	446		10			
				Moist	Medium Dense	
	441	TEST PIT COMPLETED AT 15± FEET	15			
	436		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-25

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±459.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213286 **LONGITUDE** -74.020613

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown coarse to fine SAND, some Silt, trace medium to fine Gravel		Dry	Medium Dense	
	455		5			
	450	Brown coarse to fine Sand, some Silt, little coarse to fine Gravel, with Cobbles	10	Dry	Medium Dense	
	445		15			
		TEST PIT COMPLETED AT 15± FEET				
	440		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-26

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±453.6-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213354 **LONGITUDE** -74.020079

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
	449	Brown coarse to fine Gravel, and coarse to fine Sand, some Silt	5	Moist	Medium Dense	W.C. = 13.4% (-200) = 29.2%
	444		10			
		TEST PIT COMPLETED AT 11± FEET DUE TO BUCKET REFUSAL				
	439		15			
	434		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-27

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±443.2-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213367 **LONGITUDE** -74.019611

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
		Brown (10YR 4/3) Sandy Loam, 10% Gravel, subangular blocky, soft		Dry	Soft	
	439	Brown (10YR 4/3) Sandy Loam, 35% Gravel, 15% Cobbles, subangular blocky, firm	5	Dry	Hard	
	434		10			
		TEST PIT COMPLETED AT 11± FEET DUE TO BUCKET REFUSAL				
	429		15			
	424		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-28

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-02-2024 **COMPLETED** 02-02-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±455.8-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213917 **LONGITUDE** -74.020192

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown coarse to fine SAND, some medium to fine Gravel, little Silt				
	451		5			
				Dry	Medium Dense	
	446		10			
	441		15			
		TEST PIT COMPLETED AT 15± FEET				
	436		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-29

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-02-2024 **COMPLETED** 02-02-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±449.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214390 **LONGITUDE** -74.020044

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
	445	Brown coarse to fine SAND, some Silt, little medium to fine Gravel	5	Dry	Medium Dense	
	440	Brown coarse to fine Sand, some coarse to fine Gravel, little Silt, with Cobbles	10	Dry	Medium Dense	
	435	TEST PIT COMPLETED AT 11± FEET DUE TO BUCKET REFUSAL	15			
	430		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-30

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-02-2024 **COMPLETED** 02-02-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±445.4-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 12.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214417 **LONGITUDE** -74.020091

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 10.00 ft
AT END OF EXCAVATION 10.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
	441	Brown coarse to fine SAND, some Silt, little medium to fine Gravel	5	Dry	Medium Dense	
	436		10	Wet	Medium Dense	
		Brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with Cobbles				
	431	TEST PIT COMPLETED AT 12± FEET DUE TO BUCKET REFUSAL	15			
	426		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-31

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-02-2024 **COMPLETED** 02-02-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±446.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 13.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214858 **LONGITUDE** -74.020263

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 10.00 ft
AT END OF EXCAVATION 10.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
	442	Brown coarse to fine SAND, some Silt, little coarse to fine Gravel	5	Dry	Medium Dense	W.C. = 12.8% (-200) = 31.1%
	437	Brown coarse to fine Sand, some Silt, some coarse to fine Gravel, with cobbles	10	Wet	Medium Dense	
		Brown coarse to fine Sand, some coarse to fine Gravel, little Silt, with Cobbles		Wet	Very Dense	
	432	TEST PIT COMPLETED AT 13± FEET DUE TO BUCKET REFUSAL	15			
	427		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-32

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±450.9-ft
EXPLORATION WIDTH 4.0-ft **EXPLORATION LENGTH** 6.0-ft
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214746 **LONGITUDE** -74.020823

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Dry		
		Brown coarse to fine Sand, some Silt, some coarse to fine Gravel				
	446		5			
				Dry	Medium Dense	
	441		10			
	436	TEST PIT COMPLETED AT 15± FEET	15			
	431		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-33

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±439.9-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214754 **LONGITUDE** -74.021456

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 5.00 ft
AT END OF EXCAVATION 5.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel				
				Dry	Stiff	
	435		5	Wet		
	430		10		Stiff	
	425	TEST PIT COMPLETED AT 15± FEET	15			
	420		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-34

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±442.1-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214159 **LONGITUDE** -74.021367

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 5.00 ft
AT END OF EXCAVATION 5.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8-in Topsoil		Moist		
		Light brown Clayey SILT, some coarse to fine Sand little coarse to fine Gravel		Moist	Stiff	
	438		5	Wet		
	433		10		Stiff	
	428		15			
		TEST PIT COMPLETED AT 15± FEET				
	423		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-35

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±451.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214114 **LONGITUDE** -74.021306

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 12.00 ft
AT END OF EXCAVATION 12.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown coarse to fine SAND, some Silt, little coarse to fine Gravel				
	446		5	Dry	Medium Dense	
	441		10	Wet		
					Medium Dense	
	436	TEST PIT COMPLETED AT 15± FEET	15			
	431		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-36

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±451.4-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214044 **LONGITUDE** -74.021070

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 11.00 ft
AT END OF EXCAVATION 11.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown Clayey Silt, and coarse to fine Sand, little medium to fine Gravel				
	447		5	Dry	Stiff	
	442		10	Wet		
	437		15		Stiff	
		TEST PIT COMPLETED AT 15± FEET				
	432		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-37

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±442.4-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214284 **LONGITUDE** -74.021608

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 4.00 ft
AT END OF EXCAVATION 4.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel		Moist	Stiff	
	438		5	Wet		
	433		10		Stiff	
	428		15			
		TEST PIT COMPLETED AT 15± FEET				
	423		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-39

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±444.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213724 **LONGITUDE** -74.021690

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 5.00 ft
AT END OF EXCAVATION 5.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Brown Clayey SILT, some coarse to fine Sand, trace medium to fine Gravel		Moist	Stiff	
	439	Brown Clayey SILT, some coarse to fine Sand, little medium to fine Gravel	5	Wet		
	434		10		Stiff	
	429	TEST PIT COMPLETED AT 15± FEET	15			
	424		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-40

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 02-01-2024 **COMPLETED** 02-01-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±453.2-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213762 **LONGITUDE** -74.020872

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown coarse to fine SAND, little coarse to fine Gravel, little Silt				
	449		5	Dry	Medium Dense	
	444		10	Moist	Medium Dense	
	439		15			
		TEST PIT COMPLETED AT 15± FEET				
	434		20			

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TEST PIT NUMBER: TP-41

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±444.7-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 15.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.213618 **LONGITUDE** -74.021653

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 8.00 ft
AT END OF EXCAVATION 8.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Dry		
		Brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel, with Roots		Dry	Stiff	
	440	Brown coarse to fine Sand, and Clayey Silt, little medium to fine Gravel	5	Moist		
				Wet		
	435		10		Stiff	
	430		15			
		TEST PIT COMPLETED AT 15± FEET				
	425		20			

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TEST PIT NUMBER: TP-44

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-29-2024 **COMPLETED** 01-29-2024
EXCAVATION CONTRACTOR PM Construction

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±439.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 9.0-ft

EQUIPMENT Komatsu PC 200
EXCAVATION FOREMAN Bruno
LOGGED BY B. Favino **CHECKED BY** N. Ohrynowicz
LATITUDE 41.214104 **LONGITUDE** -74.021866

GROUNDWATER LEVELS:
AT TIME OF EXCAVATION 2.00 ft
AT END OF EXCAVATION 2.00 ft
AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6-in Topsoil		Moist		
		Light brown SILT, little coarse to fine Sand, little coarse to fine Gravel, with Roots		Moist	Stiff	
		Same as above, trace coarse to fine Gravel		Wet		
	435		5		Stiff	
	430	TEST PIT COMPLETED AT 9± FEET DUE TO FLOODING IN EXPLORATION	10			
	425		15			
	420		20			

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BOREHOLE NUMBER: BP-1

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
DRILLING CONTRACTOR General Borings
SAMPLER 2 Inch Split Spoon
EQUIPMENT Bombardier CME Rig
DRILLING FOREMAN Jim **HELPER** Howard
LOGGED BY J. Hans **CHECKED BY** N. Ohrynowicz
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 429.5±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 4.25 in **OUTER DIAMETER** 7.62 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 13.3± ft

GROUNDWATER LEVELS:
AT TIME OF DRILLING 4.00± ft
AT END OF DRILLING 4.00± ft
AFTER DRILLING 2.00± ft

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		4-in Topsoil							
		Very dark brown (10YR 2/2) Silty Loam, 15% Gravel, Subangular Blocky, Soft, with Roots		S-1		5	1-2-2-5 (4)		
		Dark brown (10YR 3/4) Silty Loam, 15% Gravel, Subangular Blocky, Friable		S-2		8	25-13-7-7 (20)		Moist
	425	Dark yellowish brown (10YR 4/4) Silty Loam, 15% Gravel, Subangular Blocky, Extremely Firm	5	S-3		13	16-39-53-51 (92)		Wet, Hard Spooning
		Dark grayish brown (10YR 4/2) Silty Loam, 5% Gravel, Subangular Blocky, Extremely Firm							Possible Cobbles
		No Recovery		S-4		0	50-24-11-12 (35)		No Recovery
		Dark yellowish brown (10YR 4/4) Silty Loam, 15% Gravel, Subangular Blocky, Firm		S-5		3	16-11-15-36 (26)		Rock in Shoe
	420	Yellowish brown (10YR 5/4) Silty Loam, 15% Gravel, Subangular Blocky, Firm	10	S-6		11	23-18-18-25 (36)		
		Dark yellowish brown (10YR 4/4) Silty Loam, 15% Gravel, Subangular Blocky, Extremely Firm		S-7		15	26-34-64/4"		Spoon Bouncing, Spoon Refusal, Auger Chattering
		BORING COMPLETED AT 13.33± FEET DUE TO AUGER & SPLIT SPOON REFUSAL							
	415		15						
	410		20						
	405		25						
	400		30						
	395								

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BOREHOLE NUMBER: BP-2

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
DRILLING CONTRACTOR General Borings
SAMPLER 2-inch Split Spoon
EQUIPMENT Bombardier CME Rig
DRILLING FOREMAN Jim **HELPER** Howard
LOGGED BY J. Hans **CHECKED BY** N. Ohrynowicz
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 443.4±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 4.25 in **OUTER DIAMETER** 7.62 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 20.0± ft

GROUNDWATER LEVELS:
AT TIME OF DRILLING Not Encountered
AT END OF DRILLING Not Encountered
AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		3-in Topsoil							
		Dark yellowish brown (10YR 4/4) Silty Loam, 5% Gravel, Subangular Blocky, Slightly Hard, with Roots		S-1		6	3-11-4-10 (15)		
		Dark yellowish brown (10YR 4/4) Silty Loam, 5% Gravel, Subangular Blocky, Hard		S-2		11	12-13-16-18 (29)		
	439	No Recovery	5	S-3		0	30-26-21-32 (47)		Rock in Shoe
		Yellowish brown (10YR 5/4) Silty Loam, 5% Gravel, Sub Angular Blocky, Hard		S-4		2	46-23-16-19 (39)		Rock in Shoe
		No Recovery		S-5		0	27-33-44-68 (77)		
	434	Dark yellowish brown (10YR 4/4) Silty Loam, 25% Gravel, Sub Angular Blocky, Very Hard	10	S-6		14	33-32-33-43 (65)		W.C. = 7.4% (-200) = 18.7%
		Dark yellowish brown (10YR 4/4) Loamy Sand, 2% Gravel, Single Grained, Very Hard		S-7		18	60-46-53-47 (99)		
		Dark yellowish brown (10YR 3/4) Sand, 5% Gravel, Single Grained, Very Hard		S-8		15	19-33-37-44 (70)		
	429	Same as above	15	S-9		12	41-33-34-49 (67)		
		Same as above		S-10		10	57-44-47-50 (91)		
	424	Same as above	20						
		BORING COMPLETED AT 20± FEET							
	419		25						
	414		30						
	409								

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BOREHOLE NUMBER: BP-3

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-31-2024 **COMPLETED** 01-31-2024
DRILLING CONTRACTOR General Borings
SAMPLER 2-inch Split Spoon
EQUIPMENT Bombardier CME Rig
DRILLING FOREMAN Jim **HELPER** Dave
LOGGED BY J. Hans **CHECKED BY** N. Ohrynowicz
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 442.3±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 4.25 in **OUTER DIAMETER** 7.62 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 15.2± ft

GROUNDWATER LEVELS:
AT TIME OF DRILLING Not Encountered
AT END OF DRILLING Not Encountered
AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		2-in Topsoil							
		No Recovery		S-1		0	1-2-2-4 (4)		
		Dark yellowish brown (10YR 4/4) Sandy Loam, 15% Gravel, Subangular Blocky, Very Hard, with Roots		S-2		20	23-36-27-16 (63)		Possible Cobbles
	438								
		Dark Yellowish brown (10YR 4/4) Silty Loam, 5% Gravel, Sub Angular Blocky, Very Hard	5	S-3		1	19-31-49-27 (80)		Rock in shoe
		Dark Yellowish brown (10YR 4/4) Silty Loam, 5% Gravel, Sub Angular Blocky, Hard		S-4		2	13-13-14-24 (27)		
	433								
		Yellowish brown (10YR 5/8) Silt, Angular Blocky, Hard	10	S-5		22	15-12-19-25 (31)		
		Yellowish Brown (10YR 5/6) Silt Loam, 5% Gravel, Angular Blocky, Very Hard		S-6		18	42-47-43-49 (90)		
	428								
		No Recovery	15	S-7		0	50/2"		Spoon Bouncing, Grinding
		BORING COMPLETED AT 15.17± FEET DUE TO SPLIT SPOON REFUSAL							
	423		20						
	418		25						
	413		30						
	408								

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BOREHOLE NUMBER: BP-4

PROJECT NAME	Proposed Mixed-Use Development	**PROJECT LOCATION**	2 Ridge Road, Haverstraw, NY
PROJECT NO.	13390	**ELEVATION DATUM**	NAVD-88
DATE STARTED	01-31-2024	**COMPLETED**	01-31-2024
DRILLING CONTRACTOR	General Borings	**SAMPLE HAMMER**	Auto
SAMPLER	2-inch Split Spoon	**AUGER INNER DIAMETER**	4.25 in
EQUIPMENT	Bombardier CME Rig	**ROTARY BIT DIAMETER**	
DRILLING FOREMAN	Jim	**HELPER**	Dave
LOGGED BY	J. Hans	**CHECKED BY**	N. Ohrynowicz
LATITUDE		**LONGITUDE**	

GROUND ELEVATION 455.4±
OUTER DIAMETER 7.62 in
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 15.0± ft

GROUNDWATER LEVELS:
AT TIME OF DRILLING Not Encountered
AT END OF DRILLING Not Encountered
AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		2-in Topsoil							
		Brown Clayey SILT, some coarse to fine Sand , little coarse to fine Gravel Medium Stiff		S-1		13	1-2-4-4 (6)		
		Brown Clayey SILT, some coarse to fine Sand , little fine Gravel Very Stiff		S-2		10	8-12-10-4 (22)		
	451		5						
		Brown Clayey SILT, some coarse to fine Sand , little coarse to fine Gravel Hard		S-3		17	17-22-24-17 (46)		
		Brown Clayey SILT, some coarse to fine Sand , trace fine Gravel Very Stiff		S-4		1	19-17-12-18 (29)		
	446		10						
		Brown coarse to fine GRAVEL, trace coarse to fine Sand, trace Silt Very Dense		S-5		2	65-70/4"		Augered to 15'
	441	No Recovery	15	S-6		0	50/0"		
		BORING COMPLETED AT 15± FEET DUE TO AUGER & SPLIT SPOON REFUSAL							
	436		20						
	431		25						
	426		30						
	421								

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BOREHOLE NUMBER: BP-5

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-31-2024 **COMPLETED** 01-31-2024
DRILLING CONTRACTOR General Borings
SAMPLER 2-inch Split Spoon
EQUIPMENT Bombardier CME Rig
DRILLING FOREMAN Jim **HELPER** Dave
LOGGED BY J. Hans **CHECKED BY** N. Ohrynowicz
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 453.8±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 4.25 in **OUTER DIAMETER** 7.62 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 15.0± ft

GROUNDWATER LEVELS:
AT TIME OF DRILLING Not Encountered
AT END OF DRILLING Not Encountered
AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		2-in Topsoil							
		Brown Clayey SILT, some coarse to fine Sand , trace medium to fine Gravel with roots Medium Stiff		S-1		3	2-3-5-3 (8)		
		Brown Clayey SILT, some coarse to fine Sand , trace coarse to fine Gravel Very Hard		S-2		5	9-44-61-45 (105)		Encountered cobble or obstruction Hard drilling to 5-ft
	449		5						
		Brown Clayey SILT, some coarse to fine Gravel , little coarse to fine Sand Very Hard		S-3		15	31-50-38-44 (88)		
		Brown, orange-brown Clayey SILT, some coarse to fine Gravel , little coarse to fine Sand Very Hard		S-4		12	36-54-29-27 (83)		
	444		10						
		Orange-brown coarse to fine SAND, some fine Gravel , trace Silt Very Dense		S-5		19	20-40-59-60/4" (99)		Spoon Refusal, Augered to 15'
	439	No Recovery	15	S-6		0	50/0"		Chattering/Grinding
		BORING COMPLETED AT 15± FEET DUE TO AUGER & SPLIT SPOON REFUSAL							
	434		20						
	429		25						
	424		30						

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BOREHOLE NUMBER: BP-6

PROJECT NAME Proposed Mixed-Use Development
PROJECT NO. 13390
DATE STARTED 01-30-2024 **COMPLETED** 01-30-2024
DRILLING CONTRACTOR General Borings
SAMPLER 2-inch Split Spoon
EQUIPMENT Bombardier CME Rig
DRILLING FOREMAN Jim **HELPER** Howard
LOGGED BY J. Hans **CHECKED BY** N. Ohrynowicz
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 443.4±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 8.00± ft
CASING DEPTH ▼ **AT END OF DRILLING** 8.00± ft
FINAL DEPTH 12.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		3-in Topsoil							
		No Recovery		S-1		0	1-4-4-10 (8)		
		Dark yellowish brown (10YR 4/4) Silty Loam, 15% Gravel, Subangular Blocky, Soft		S-2		1	5-2-6-18 (8)		Rock in shoe
	439	Dark yellowish brown (10YR 4/4) Silty Loam, 15% Gravel, Subangular Blocky, Hard	5	S-3		5	9-20-20-15 (40)		
		Dark yellowish brown (10YR 4/4) Silt Loam, 15% Gravel, Subangular Blocky, Firm		S-4		18	13-7-4-9 (11)		Moist
		Dark yellowish brown (10YR 4/4) Silt Loam, 15% Gravel, Subangular Blocky, Very Firm		S-5		9	5-16-31-41 (47)		Wet
	434	Dark yellowish brown (10YR 4/6) Sand, 25% Gravel, Single Grained, Very Firm	10	S-6		9	22-35-48/2"		Spoon Refusal, Auger to 12'
		BORING COMPLETED AT 12± FEET DUE TO AUGER REFUSAL							Auger Grinding
	429		15						
	424		20						
	419		25						
	414		30						
	409								

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SOILS CLASSIFICATION AND EXPLORATION LOG KEY

Our experience has shown that the following field identification system, which is pattered somewhat after the Burmister System, permits a more detailed breakdown of the components within a soil sample than other identification systems allow. It also compels the supervising technician to examine a sample quite closely in order to accurately describe the components within the sample.

Grain Size and Classifications

Gravel:
Coarse gravel ranges from 3-in to 1-in
Medium gravel ranges from 1-in to 3/8-in
Fine gravel ranges from 3/8-in to No. 10 sieve

Sand:
Coarse sand ranges from No. 10 to No. 30 sieve
Medium sand ranges from No. 30 to No. 60 sieve
Fine sand ranges from No. 60 to No. 200 sieve

Silt:
Material which passes the No. 200 sieve
Exhibits little to no plasticity

Clay:
Material which passes the No. 200 Sieve
Exhibits varying degrees of plasticity

Component Classification

CAPITALS	More than 50% of the sample by weight
Proper Case	Less than 50% of the sample by weight

Proportion Terms

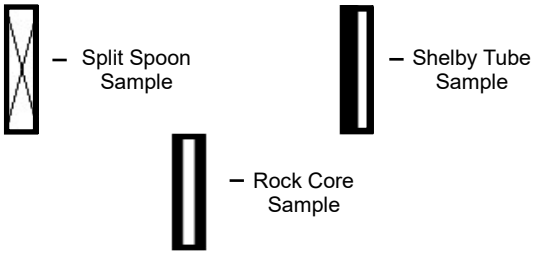
and	Component ranges from 35% to 50% of the sample by weight
some	Component ranges from 20% to 35% of the sample by weight
little	Component ranges from 10% to 20% of the sample by weight
trace	Component ranges from 0% to 10% of the sample by weight

Gradation Designation

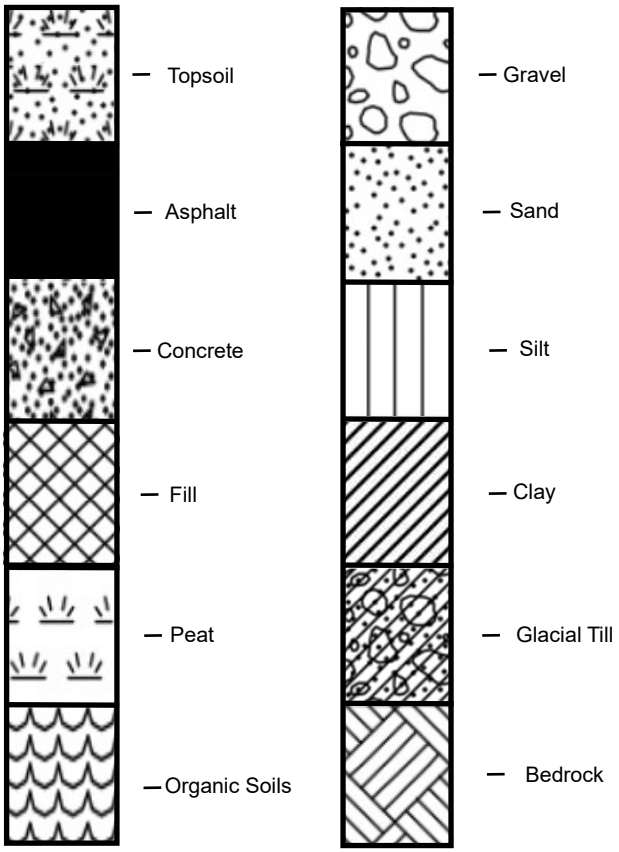
Coarse to fine (c-f)	All fractions greater than 10% of the component
Coarse to Medium (c-m)	Less than 10% of the component is fine
Medium to fine (m-f)	Less than 10% of the component is coarse
Coarse (c)	Less than 10% of the component is medium or fine
Medium (m)	Less than 10% of the component is coarse or fine
Fine (f)	Less than 10% of the component is coarse or medium

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgement of such authorized users. Information on the logs should not be relied upon without the geotechnical engineer's recommendations contained in the report from which these logs were extracted.

Sampling Types



Generalized Stratum Types



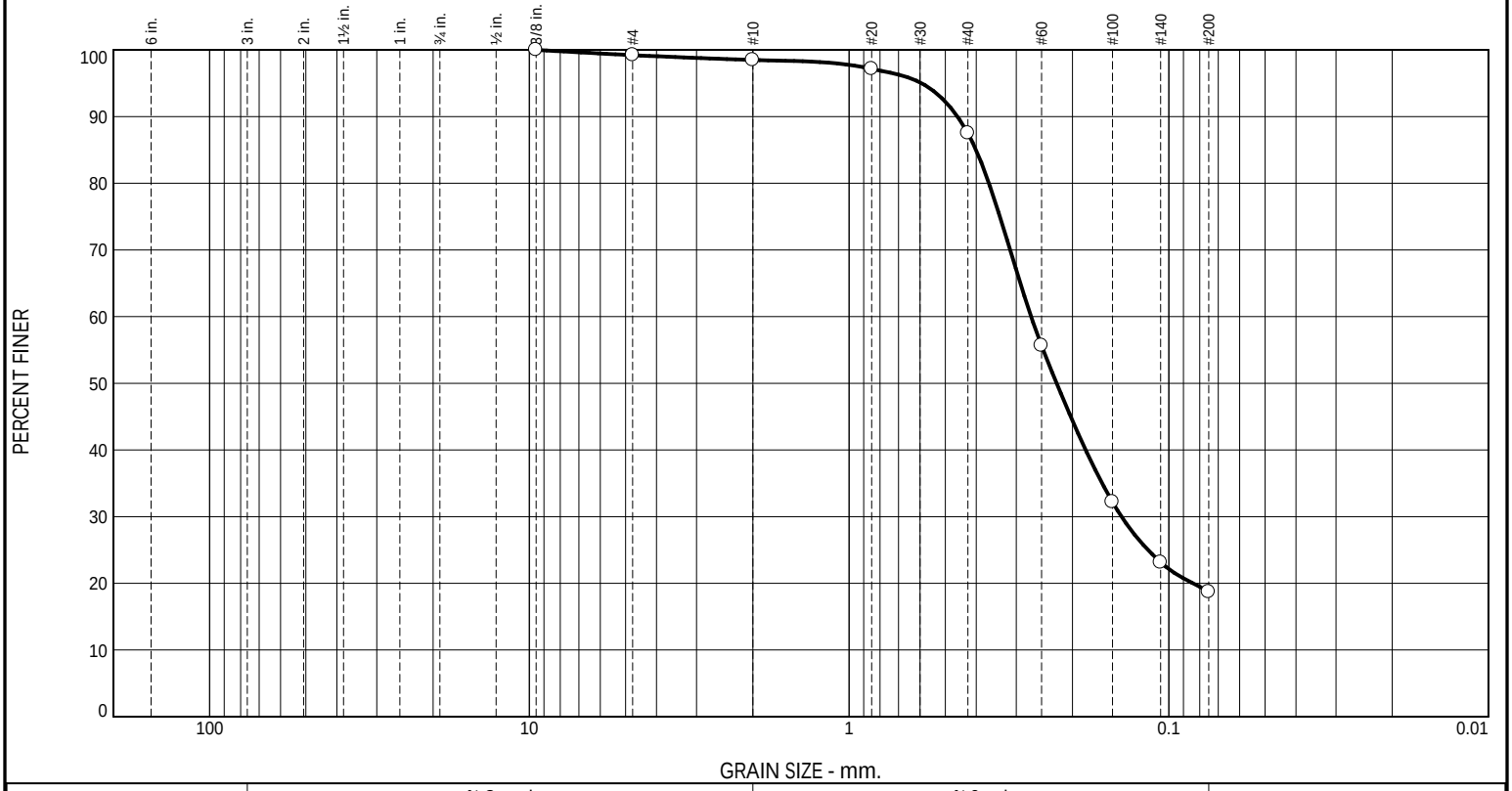
Strata Separation



APPENDIX B

Particle Size Distribution Report

ASTM D6913



% +3"	% Gravel=**1.5**			% Sand=**79.8**			% Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
0.0	0.0	0.0	1.5	3.4	39.4	37.0	18.7

Test Results (ASTM D6913)

Sieve Size or Diam. (**in.**)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
.375	100.0			
#4	99.2			
#10	98.5			
#20	97.2			
#40	87.5			
#60	55.7			
#100	32.2			
#140	23.1			
#200	18.7			

* (no specification provided)

Material Description

Brown medium to fine SAND, little Silt, trace fine Gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 0.4581 D_{85}= 0.4006 D_{60}= 0.2696
D_{50}= 0.2242 D_{30}= 0.1406 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Test Remarks

Water Content(%)= 7.4

Location: BP-2
Sample Number: S-5 Depth: 11-12 Sample Date: 02/20/2024

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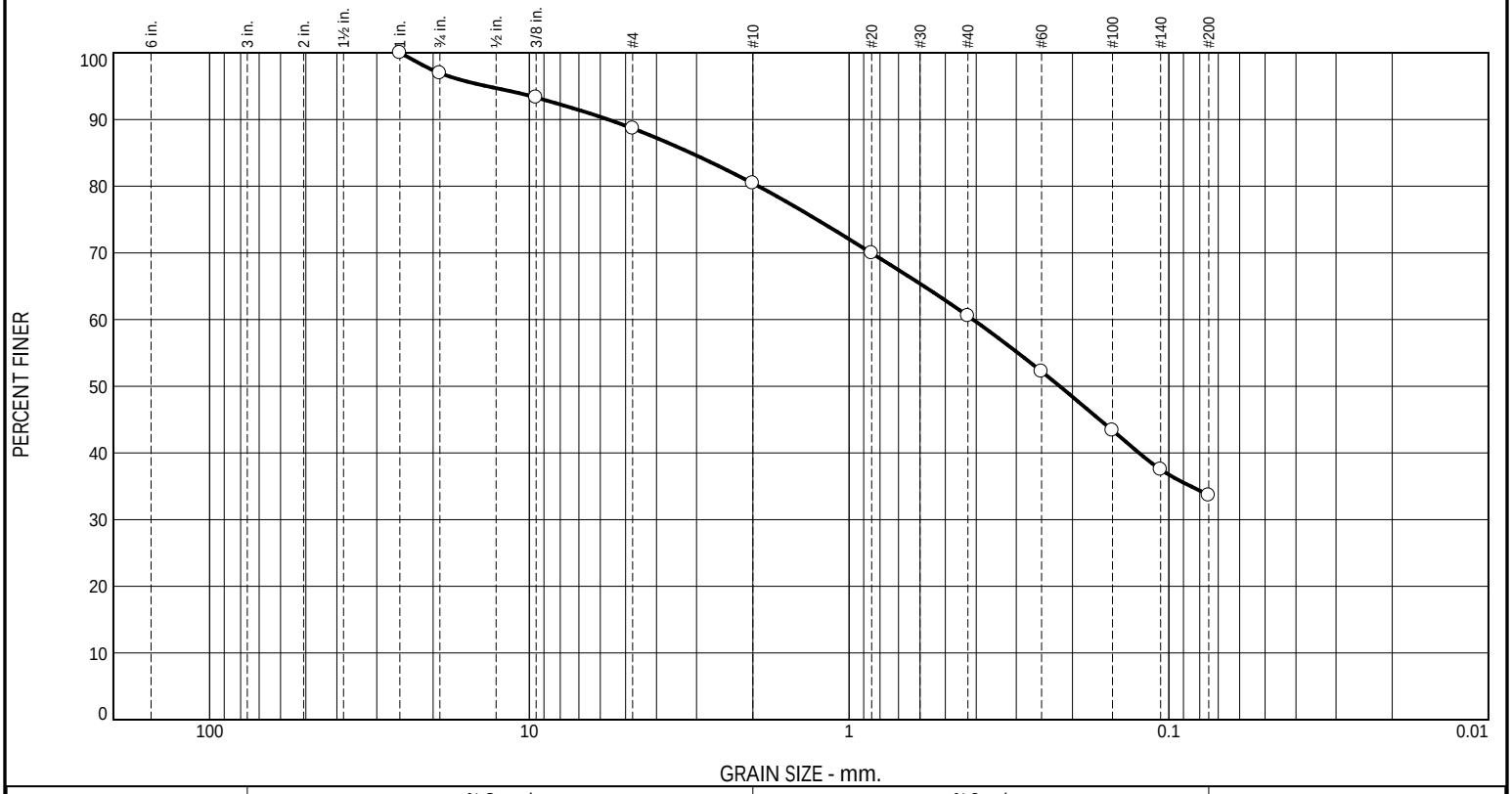
Client: BNE Real Estate
Project: Proposed Mixed-Use Development

Project No: 13390 Figure 1

Tested By: MLT Checked By: MLT

Particle Size Distribution Report

ASTM D6913



% +3"	% Gravel=**19.6**			% Sand=**46.8**			% Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
0.0	0.0	6.7	12.9	15.0	13.2	18.6	33.6

Test Results (ASTM D6913)

Sieve Size or Diam. (**in.**)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1	100.0			
.75	97.0			
.375	93.3			
#4	88.7			
#10	80.4			
#20	70.0			
#40	60.6			
#60	52.2			
#100	43.4			
#140	37.5			
#200	33.6			

* (no specification provided)

Material Description

Brown coarse to fine Sand, some Silt, little medium to fine Gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 5.6546 D_{85}= 3.1278 D_{60}= 0.4093
D_{50}= 0.2192 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Test Remarks

Water Content(%)= 12.2

Location: TP-7
Sample Number: S-1 Depth: 6 Sample Date: 02/20/2024

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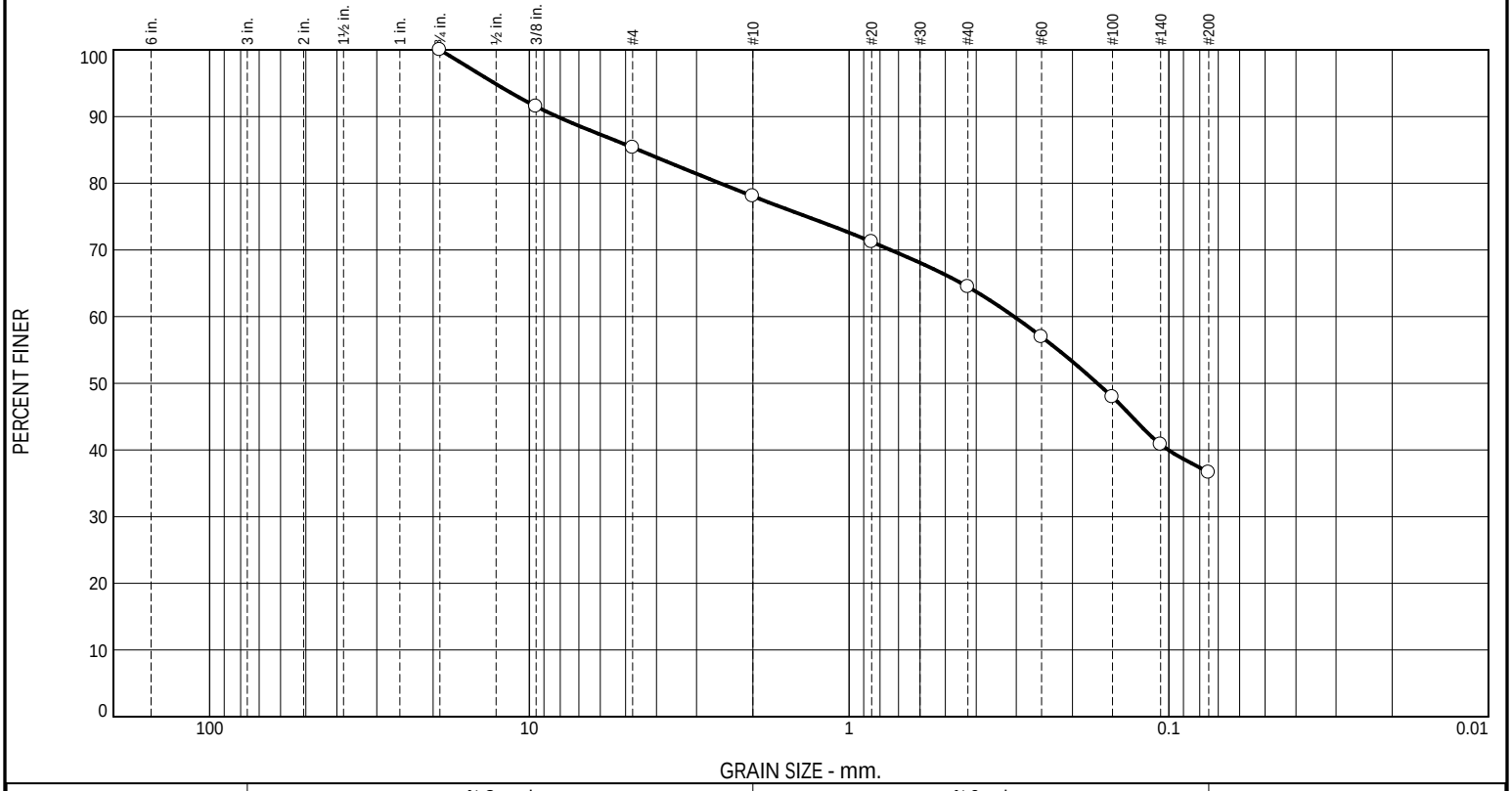
Client: BNE Real Estate
Project: Proposed Mixed-Use Development

Project No: 13390 Figure 2

Tested By: MLT Checked By: MLT

Particle Size Distribution Report

ASTM D6913



% +3"	% Gravel=**21.9**			% Sand=**41.5**			% Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
0.0	0.0	8.5	13.4	10.0	11.1	20.4	36.6

Test Results (ASTM D6913)

Sieve Size or Diam. (**in.**)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
.75	100.0			
.375	91.5			
#4	85.4			
#10	78.1			
#20	71.2			
#40	64.5			
#60	57.0			
#100	47.9			
#140	40.8			
#200	36.6			

* (no specification provided)

Material Description

Brown coarse to fine Sand, and Clayey Silt, some medium to fine Gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 8.1709 D_{85}= 4.5562 D_{60}= 0.3046
D_{50}= 0.1673 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Test Remarks

Water Content(%)= 15.3

Location: TP-15
Sample Number: S-2 Depth: 8 Sample Date: 02/20/2024

SESI CONSULTING ENGINEERS

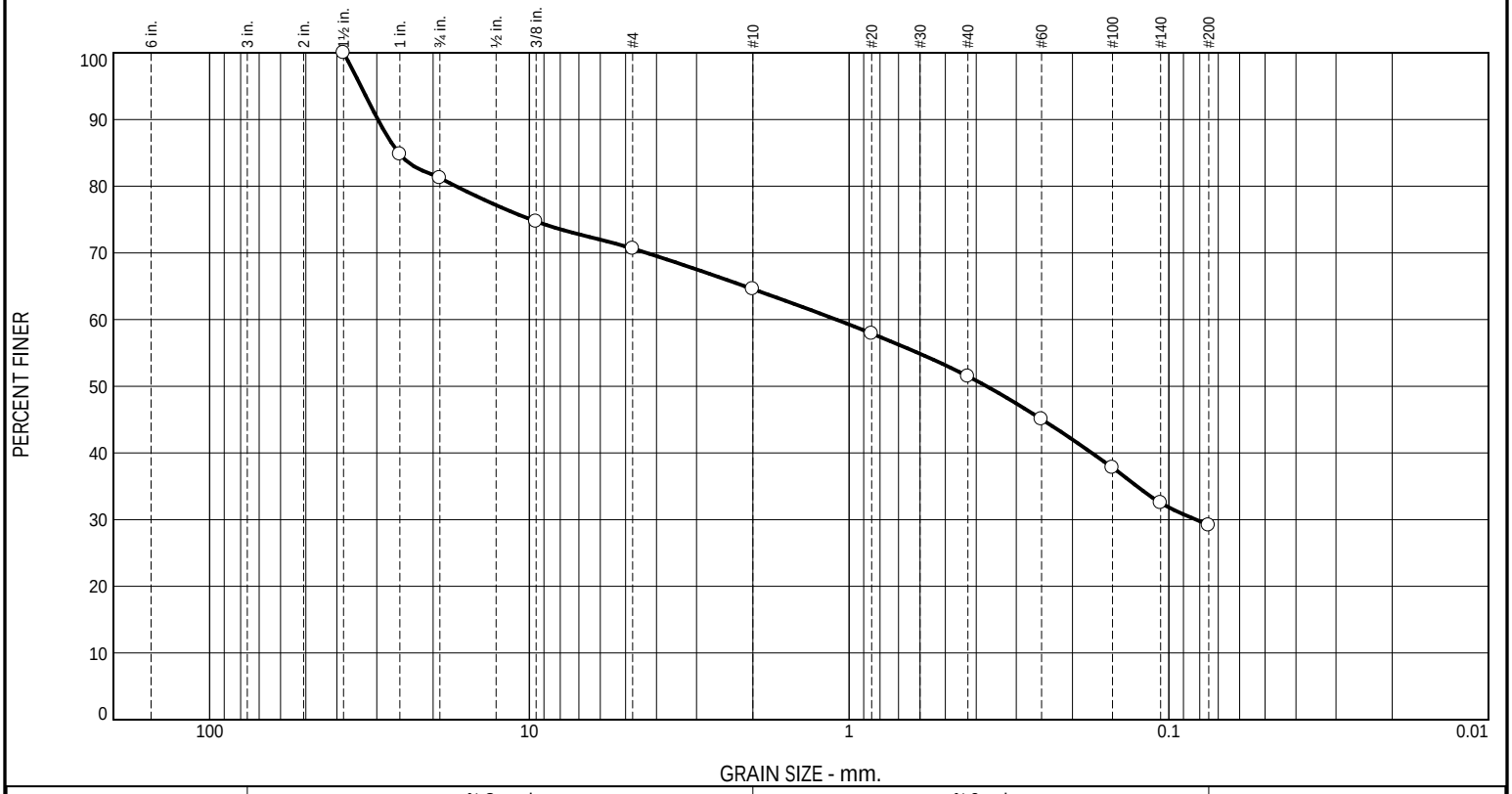
Client: BNE Real Estate
Project: Proposed Mixed-Use Development

Project No: 13390 Figure 3

Tested By: MLT Checked By: MLT

Particle Size Distribution Report

ASTM D6913



% +3"	% Gravel=**35.4**			% Sand=**35.4**			% Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
0.0	15.2	10.1	10.1	9.7	9.8	15.9	29.2

Test Results (ASTM D6913)

Sieve Size or Diam. (**in.**)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1.5	100.0			
1	84.8			
.75	81.2			
.375	74.7			
#4	70.7			94.6
#10	64.6			86.4
#20	57.9			77.5
#40	51.5			68.9
#60	45.1			60.3
#100	37.8			50.6
#140	32.5			43.5
#200	29.2			39.0

* (no specification provided)

Material Description

Brown coarse to fine Gravel, and coarse to fine Sand, some Silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 29.7640 D_{85}= 25.6067 D_{60}= 1.0959
D_{50}= 0.3715 D_{30}= 0.0823 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Test Remarks

Water Content(%)= 13.4

Location: TP-26
Sample Number: S-1 Depth: 7 Sample Date: 02/20/2024

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Client: BNE Real Estate
Project: Proposed Mixed-Use Development

Project No: 13390 Figure 4

Tested By: MLT Checked By: MLT

Particle Size Distribution Report

ASTM D6913



% +3"	% Gravel=**29.9**			% Sand=**39.0**			% Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
0.0	8.5	8.6	12.8	11.0	11.0	17.0	31.1

Test Results (ASTM D6913)

Sieve Size or Diam. (**in.**)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1.5	100.0			
1	91.5			
.75	87.2			
.375	82.9			
#4	77.1			92.9
#10	70.1			84.5
#20	62.5			75.4
#40	55.3			66.7
#60	48.1			58.0
#100	40.1			48.4
#140	34.6			41.7
#200	31.1			37.5

* (no specification provided)

Material Description

Brown coarse to fine Sand, some Silt, some coarse to fine Gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 23.2989 D_{85}= 14.2180 D_{60}= 0.6556
D_{50}= 0.2852 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Test Remarks

Water Content(%)= 12.8

Location: TP-32
Sample Number: S-1 Depth: 7 Sample Date: 02/20/2024

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Client: BNE Real Estate
Project: Proposed Mixed-Use Development

Project No: 13390 Figure 5

Tested By: MLT Checked By: MLT

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Principals
Anthony Castillo, PE
Fuad Dahan, PhD, PE, LSRP
Franz W. Laki, PE
John M. Nederfield, PE
Justin M. Protasiewicz, PE
Michael St. Pierre, PE

July 21, 2025 ***via email:*** ***cthomas@bnerealestate.com***

Mr. Charles Thomas
BNE Real Estate
16 Microlab Road, Suite A
Livingston, NJ 07039

RE: **Geotechnical Data Summary Letter**
Proposed Stormwater Management Systems
2 Ridge Road
Haverstraw, New York 10927
SESI Project No.: 13390

Dear Mr. Thomas,

In accordance with our Professional Service Agreement, Addendum #2, dated June 16, 2025, we have completed our geotechnical investigation and in-situ infiltration testing program in support of the proposed stormwater management improvements to be constructed at the subject site located in Haverstraw, New York. SESI has previously prepared a Geotechnical Investigation Report for the subject site, dated March 6, 2024.

PROJECT DESCRIPTION

According to the *Test Pit Map (Existing Conditions)*, prepared by JMC Planning, Engineering, Landscape Architecture & Land Surveying, PLLC (JMC), dated November 9, 2023, the overall site covers approximately 22.7± acres and is bounded to the north by Letchworth National Historic preserve, to the east by unoccupied wooded land and commercial and residential buildings beyond, to the south by Letchworth Village Road, and to the west by the Letchworth Village campus. The site is mostly open grassed areas with asphaltic pavement and gravel roadways. An abandoned garage structure is located in the northern portion of the site. The north and east sides of the site are densely wooded. According to the existing conditions plan, the site has a high elevation of approximately EL +460 near the center of the site, moderately grading down to a low elevation of approximately EL +420 toward the southeast corner of the site. Along the southern edge of the property, the slope sharply drops to approximately EL +392.

According to the *Site Grading Plan*, prepared by JMC, dated January 24, 2025, last revised February 28, 2025, we understand the proposed development consists of seven (7) proposed four-story apartment buildings, one (1) single-story clubhouse with an outdoor pool, a dog run, a pickleball court, parking lots, multiple stormwater management basins, and typical appurtenant site improvements.

FIELD INVESTIGATION, IN-SITU TESTING, AND LABORATORY TESTING PROGRAM

Our engineering study consisted of a field investigation comprised of the excavation of test pits, the drilling of borings, and the performance of in-situ permeability testing in support of the proposed stormwater management basins which may be constructed at the subject site.

SESI observed the excavation of ten (10) test pits, the advancement of nine (9) soil borings, and performed 18 in-situ soil permeability tests at locations provided by JMC. The borings and test pits were performed in order to characterize the subsurface conditions for the design of the proposed stormwater management systems and were advanced to the depths provided by JMC, or refusal. The test pits were excavated using a track-mounted CAT 321 DLCR excavator between June 25 and June 26, 2025. The test borings were drilled using a track-mounted GeoProbe 7822DT between July 7 and July 8, 2025.

At each of the exploration locations, an offset exploration was advanced to the proposed test depth provided by JMC, and an in-situ permeability test was performed at each of these locations. It should be noted that due to encountering groundwater higher than the proposed test depth at boring location B-104, JMC instructed SESI to not perform an in-situ permeability test at this location. As a result of our findings at boring B-104, JMC also instructed SESI to abandon boring location B-105 (abandoned at 4 feet below grade) and to not perform any exploration or testing at the proposed boring B-106/PT-6 location.

The stormwater management testing was done in general accordance with the requirements of the 2024 New York State Stormwater Management Design Manual. The testing was performed by installing a 4-inch diameter PVC casing in each test location to the test depths. The casings were then filled with 24 inches of water, and allowed to pre-soak for 24 hours. Once the pre-soak was completed, the casings were refilled with another 24 inches of water, and the water level was monitored for one (1) hour to obtain the infiltration rate at each location. This procedure was repeated a minimum of three (3) times for a total of four (4) observations per infiltration test. The last of the four (4) observations for each test location were reported to provide an unfactored field infiltration rate in inches per hour. We recommend that the Civil Engineer apply a standard factor of safety to the field measured results. The soil infiltration tests were performed at depths ranging from approximately 2± to 13.5± feet below the ground surface, which correlates to elevations ranging from approximately EL +425 to EL +438.

The approximate locations of the borings, test pits, and in-situ tests are shown on the attached **Exploration Location Plan** which is included as **Figure 1**. Individual boring and test pit logs, which describe the materials encountered, are presented in **Appendix A**. The site soils were classified according to the Modified Burmister classification system. In accordance with the 2024 New York State Stormwater Management Design Manual, the soils were also classified according to the USDA Soil Classification System. A key to soil terminology, for the Modified Burmister system, is included in **Appendix A**. The results of the permeability tests are included on the individual boring and test pit logs, and summarized in the **Soil Permeability Test Summary Table (Table 1)**, attached.

All field work was performed under the direct technical observation of a geotechnical engineer from SESI Consulting Engineers. Our representative located the boring and test pit locations in the field (locations surveyed by others), maintained continuous logs of the explorations as work proceeded, and coordinated the soil sampling and testing operations in order to develop the required subsurface information. Ground surface elevations were provided by JMC and were verified from the topographic information provided on the *Test Pit Map (Existing Conditions)*.

Soil samples suitable for identification purposes were extracted from the explorations at various intervals. All soil samples were taken to our soils laboratory for classification and appropriate geotechnical testing. Laboratory testing consisted of two (2) mechanical grain size analysis, two (2) percent passing the sieve No. 200 tests, and four (4) moisture content determinations. The results of the percent passing sieve No. 200 tests and the water content determinations are presented on the individual test pit logs. The results of the mechanical grain size analyses are presented on the individual test pit logs and in graphical form in **Appendix B**.

GENERALIZED SUBSURFACE CONDITIONS

The following subsurface conditions were encountered in order of increasing depth:

Surface Materials: Topsoil was observed at the surface of all explorations with thicknesses ranging from approximately 4± inches to 12± inches. The remainder of the site has topsoil, asphalt, or gravel at the surface.

Fill: Beneath the surface materials, fill materials were encountered in all of the borings performed as part of this investigation. The fill materials generally consisted of coarse to fine sand with varying amounts of gravel and silt with roots, and in B-119/PT-19 consisted of primarily slag. The fill materials were observed to be in a loose to medium dense condition based on the SPT N-values. It should be noted that fill materials were not encountered within the test pits; however, it was often difficult to discern the difference between the fill materials and the underlying natural soils due to the nature of the fill materials and the similarity to the underlying natural soils.

Natural Soils: Beneath the surface materials and fill materials, where encountered, natural soils were encountered. The natural soils generally consisted of coarse to fine sand with varying amounts of gravel, silt, and clay or they consisted of coarse to fine gravel with varying amounts of sand, silt, and clay. Cobbles were noted in several of the test pits and were potentially indicated by high SPT N-Values in several of the borings. It should be noted that pockets of predominately silty clay/clayey silt were occasionally observed. All explorations were terminated within the natural soils. The natural granular soils were observed to be in a medium dense to very dense condition based on the observed bucket resistance and SPT N-values.

Groundwater: Where encountered, groundwater was observed in the explorations at depths ranging from 8.5± feet to 10.75± feet below existing grade. Groundwater was observed at elevations ranging from approximately EL +421.5 to EL +431.3 Groundwater variations were attributed to the variations in site topography from north to south, the relatively short period of time the explorations were left open, and varied seepage rates due to the variation in soil gradation and density. Locally, however, (i.e., at basin locations) groundwater levels were more consistent. It should be noted that mottling was encountered at depths ranging from 2 to 8 feet below existing grades at boring locations B-117/PT-17 through B-120/PT-20A/PT-20B.

Fluctuations in the groundwater levels should be anticipated based on the time of year and amount of recent precipitation. If more accurate groundwater elevations are required, SESI recommends that groundwater monitoring wells be installed and monitored during the seasonal high groundwater time of year (January to April) to confirm the seasonal high groundwater elevation.

If you have any questions, please call.

Sincerely,

SESI CONSULTING ENGINEERS

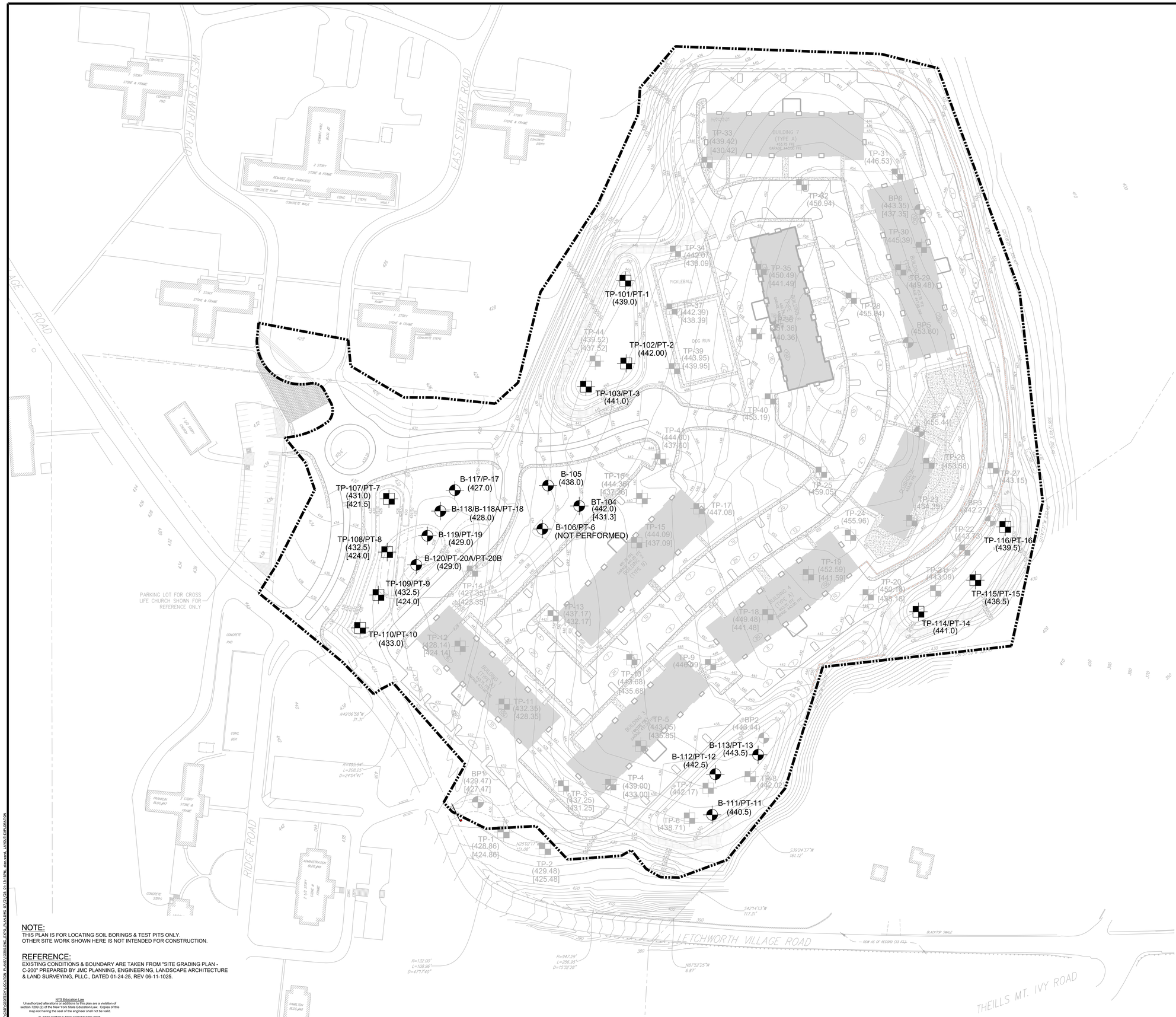
Michael St. Pierre, P.E.
President

Michael A. Felicetta
Assistant Project Engineer II

Attachments:

Figure 1 – Exploration Location Plan
Table 1 – Soil Permeability Test Summary Table
Appendix A – Test Pit Logs and Soils Classification and Exploration Log Key
Appendix B – Geotechnical Laboratory Test Results

N:\PROJECTS\13390- Haverstraw, NY (BNE)\Letters & Memos\SWM Inv. Geotech Summary Letter\13390_Geotechnical Summary Letter.mf.docx



LEGEND:

- B-105/PT-5 — SOIL BORING AND PERMEABILITY TEST AND APPROX. LOCATION (JULY 2025)
- TP-101/PT-1 — TEST PIT AND PERMEABILITY TEST AND APPROX. LOCATION (JUNE 2025)
- BP6 — SOIL BORING AND APPROX. LOCATION (JANUARY 2024)
- TP-33 — TEST PIT AND APPROX. LOCATION (JANUARY & FEBRUARY 2024)
- (442.27) — SURFACE ELEVATION
- [427.47] — GROUNDWATER ELEVATION
- SITE BOUNDARY

Scale: 1"= 60'

0 30 60 120 180 240

NOTE:
THIS PLAN IS FOR LOCATING SOIL BORINGS & TEST PITS ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE:
EXISTING CONDITIONS & BOUNDARY ARE TAKEN FROM "SITE GRADING PLAN - C-200" PREPARED BY JMC PLANNING, ENGINEERING, LANDSCAPE ARCHITECTURE & LAND SURVEYING, PLLC., DATED 01-24-25, REV 08-11-1025.

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

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N:\PROJ\13390\CAD\EXPLORATION LOCATION PLAN\13390-EXPO_PLAN.DWG 07/21/25 05:13:12PM stevenb LAYOUT1 EXPLORATION

rev	date	description	by

drawn by: AW
checked by: MF
scale: AS NOTED
date: 06/30/2025

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E. 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

LETCHWORTH ROAD RESIDENTIAL DEVELOPMENT
LETCHWORTH VILLAGE ROAD
TOWN OF HAVERSTRAW
ROCKLAND COUNTY, NEW YORK

title:

EXPLORATION LOCATION PLAN

job no. 13390
drawing no.

FIG-1

1 of 1

Project Number: 13390
Project Location: Haverstraw, NY

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TABLE 1: SOIL PERMEABILITY TEST SUMMARY TABLE

Exploration Location I.D.	Exploration Type	Approximate Ex. Ground El.*	Depth to Groundwater (ft)	Elevation of Groundwater	Exploration Termination Depth (ft)	Exploration Termination Elevation	Depth to Bottom of Perm Test (ft)	Elevation of Bottom of Perm Test	Lowest Recorded Stabilized Rate (in/hr) **	NOTES
TP-101/PT-1	Test Pit	439.0	Not Encountered	Not Encountered	3	436.0	2	437.0	18.00	
TP-102/PT-2	Test Pit	442.0	Not Encountered	Not Encountered	6	436.0	4	438.0	17.75	
TP-103/PT-3	Test Pit	441.0	Not Encountered	Not Encountered	5	436.0	3	438.0	16.75	
B-104/PT-4	Boring	442.0	10.75	431.3	18.5	423.5	Cancelled by JMC	Cancelled by JMC	Cancelled by JMC	Test not performed at Civil Engineer's request
B-105/PT-5	Boring	438.0	Not Encountered	Not Encountered	4	434.0	Cancelled by JMC	Cancelled by JMC	Cancelled by JMC	Hole abandoned at Civil Engineer's request
B-106/PT-6	Boring	N/A	N/A	N/A	Cancelled by JMC	Cancelled by JMC	Cancelled by JMC	Cancelled by JMC	Cancelled by JMC	Hole not performed at Civil Engineer's request
TP-107/PT-7	Test Pit	431.0	9.5	421.5	10	421.0	5	426.0	15.75	
TP-108/PT-8	Test Pit	432.5	8.5	424	9	423.5	6.5	426.0	10.75	
TP-109/PT-9	Test Pit	432.5	8.5	424	9	423.5	6.5	426.0	18.50	
TP-110/PT-10	Test Pit	433.0	Not Encountered	Not Encountered	9	424.0	7	426.0	24.00	
B-111/PT-11	Boring	440.5	Not Encountered	Not Encountered	14	426.5	10.5	430.0	3.00	
B-112/PT-12	Boring	442.5	Not Encountered	Not Encountered	16	426.5	12.5	430.0	4.80	
B-113/PT-13	Boring	443.5	Not Encountered	Not Encountered	16	427.5	13.5	430.0	1.20	
TP-114/PT-14	Test Pit	441.0	Not Encountered	Not Encountered	11	430.0	9	432.0	24.00	
TP-115/PT-15	Test Pit	438.5	Not Encountered	Not Encountered	9.5	429.0	6.5	432.0	16.25	
TP-116/PT-16	Test Pit	439.5	Not Encountered	Not Encountered	9.5	430.0	7.5	432.0	10.50	
B-117/PT-17	Boring	427.0	Not Encountered	Not Encountered	6	421.0	2	425.0	5.50	Mottling observed from 2'-6' below grade
B-118/PT-18/B-18A/PT-18A	Boring	428.0	Not Encountered	Not Encountered	8	420.0	2	426.0	0.75	Mottling observed from 2'-8' below grade
B-119/PT-19	Boring	429.0	Not Encountered	Not Encountered	8	421.0	2	427.0	22.75	Mottling observed from 4'-6' below grade
B-120/PT-20A	Boring	429.0	Not Encountered	Not Encountered	8	421.0	4	425.0	9.00	Mottling observed from 4'-6' below grade
B-120/PT-20B	Boring	429.0	Not Encountered	Not Encountered	8	421.0	2	427.0	24.00	Mottling observed from 4'-6' below grade

*** Approximate Existing Ground Elevations provided by others.**

**** A rate is considered stabilized when two successive tests are approximately equal. All results from permeability testing shall be reported utilizing the lowest reported stabilized rate per test. Testing units shall be in inches/hour.**

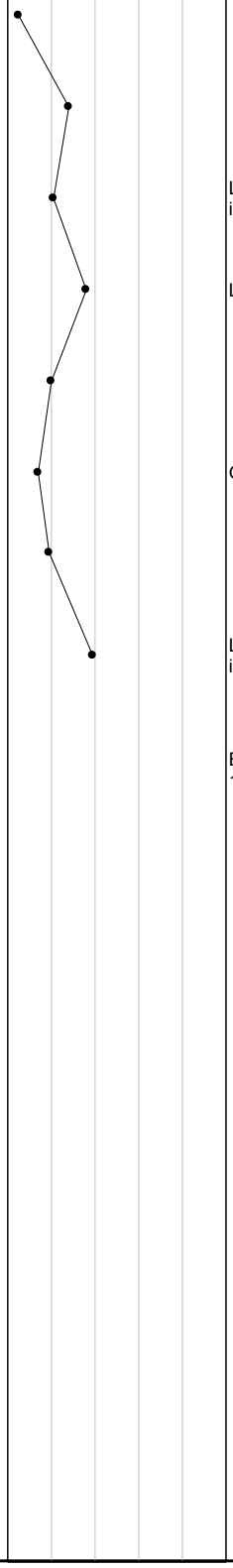
APPENDIX A

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-104/PT-4

PROJECT NAME	Proposed Residential Development	**PROJECT LOCATION**	2 Ridge Road, Haverstraw, NY
PROJECT NO.	13390	**ELEVATION DATUM**	NAVD-88 **GROUND ELEVATION** 442.0±
DATE STARTED	07-07-2025 **COMPLETED** 07-08-2025	**DRILLING METHOD**	HSA
DRILLING CONTRACTOR	ETD	**SAMPLE HAMMER**	Auto
SAMPLER	2-inch split spoon	**AUGER INNER DIAMETER**	2.88 in **OUTER DIAMETER** 4.75 in
EQUIPMENT	Geoprobe 7822DT	**ROTARY BIT DIAMETER**	**DEPTH TO GROUNDWATER:**
DRILLING FOREMAN	Scott **HELPER** Dave	**CASING DIAMETER**	▽ **AT TIME OF DRILLING** 8.00± ft
LOGGED BY	J. Tangen **CHECKED BY** M. Felicetta	**CASING DEPTH**	▼ **AT END OF DRILLING** 10.75± ft
LATITUDE	**LONGITUDE**	**FINAL DEPTH**	18.5± ft ▼ **24 HR AFTER DRILLING** 10.75± ft

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		5" Topsoil								
		MB: Fill: Brown coarse to fine SAND, little medium to fine Gravel, little Silt		S-1		12	Dry	1-2-3-4 (5)		
		MB: Brown coarse to fine Sand, and coarse to fine Gravel, little Silt USDA: Strong brown (10YR 4/6) Loamy Sand, 35% Gravel, Subangular Blocky		S-2		20	Dry	3-13-15-16 (28)		
	437	MB: Brown coarse to fine Sand, some Clayey Silt, some coarse to fine Gravel USDA: Dark yellowish brown (10YR 4/6) Sandy Loam, 20% Gravel, Subangular Blocky	5	S-3		20	Moist	3-6-15-15 (21)		Low recovery due to Gravel in tip
		MB: Brown coarse to fine Sand, some Clayey Silt, some coarse to fine Gravel USDA: Dark yellowish brown (10YR 4/6) Sandy Loam, 20% Gravel, Subangular Blocky		S-4		5	Moist	12-20-16-15 (36)		Low recovery
		MB: Brown coarse to fine Gravel, some coarse to fine Sand, some Clayey Silt USDA: Brown (7.5YR 4/4) Sandy Loam, 50% Gravel, Subangular Blocky		S-5		20	Wet	3-5-15-9 (20)		
	432	No Recovery	10	S-6		0	Wet	5-7-7-7 (14)		Gravel in tip
		MB: Brown coarse to fine Gravel, and Silty Clay, little coarse to fine Sand USDA: Dark yellowish brown (10YR 4/6) Silty Clay Loam, 50% Gravel, Subangular Blocky		S-7		10	Wet	11-10-9-50/0" (19)		
	427	MB: Brown coarse to fine Gravel, and Silty Clay, little coarse to fine Sand USDA: Dark yellowish brown (10YR 4/6) Silty Clay Loam, 50% Gravel, Subangular Blocky	15	S-8		6	Wet	12-17-22-30 (39)		Low recovery due to Gravel in tip
		MB: Brown coarse to fine Gravel, and Silty Clay, little coarse to fine Sand USDA: Dark yellowish brown (10YR 4/6) Silty Clay Loam, 50% Gravel, Subangular Blocky		S-9		11	Wet	25-48-50/0"/6"		Extremely hard grinding 17'-18'
				S-10		0		50/0"		
		BORING COMPLETED AT 18.5± FEET								
	422		20							
	417		25							
	412		30							



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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-105/PT-5

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-07-2025 **COMPLETED** 07-07-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 438.0±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 4.0± ft

DEPTH TO GROUNDWATER:
▽ **AT TIME OF DRILLING** Not Encountered
▼ **AT END OF DRILLING** Not Encountered
⧩ **24 HR AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil								
		Fill: MB: Brown coarse to fine SAND, little medium to fine Gravel, little Silt, with Roots, occasional Cobbles		S-1		12	Dry	2-2-6-6 (8)		
		MB: Brown coarse to fine SAND, and medium to fine Gravel, little Silt, occasional Cobbles USDA: Yellowish brown (10YR 5/6) Loamy Sand, 45% Gravel, 10% Cobbles, Subangular Blocky		S-2		18	Dry	11-15-22-23 (37)		Grinding at 1'-4'
		BORING COMPLETED AT 4± FEET								Boring abandoned at request of civil engineer
	433		5							
	428		10							
	423		15							
	418		20							
	413		25							
	408		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-111/PT-11

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-07-2025 **COMPLETED** 07-07-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 440.5±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER **AT TIME OF DRILLING** Not Encountered
CASING DEPTH **AT END OF DRILLING** Not Encountered
FINAL DEPTH 14.0± ft **24 HR AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil								
		MB: Fill: Brown coarse to fine Sand, and coarse to fine Gravel, little Silt, with Roots		S-1			Dry	2-4-5-8 (9)		
		MB: Brown coarse to fine Sand, and coarse to fine Gravel, little Silt, occasional Cobbles, with Roots USDA: Strong brown (7.5YR 4/6) Loamy Sand, 40% Gravel, 10% Cobbles, Single Grained		S-2			Dry	5-12-32-21 (44)		Grinding from 2'-4' Rock in tip
	436	MB: Light brown coarse to fine GRAVEL some coarse to fine Sand, little Clayey Silt USDA: Brown (10YR 4/3) Sandy Loam, 60% Gravel, Subangular Blocky	5	S-3			Dry	9-14-14-11 (28)		
		MB: Brown coarse to fine GRAVEL, some coarse to fine Sand, little Silt USDA: Brown (10YR 4/3) Sandy Loam, 60% Gravel, Subangular Blocky		S-4			Moist	10-13-21-28 (34)		Low recovery, gravel in tip
		MB: Light brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt USDA: Brown (10YR 5/3) Loamy Sand, 60% Gravel, Subangular Blocky		S-5			Wet	7-10-22-19 (32)		
	431	MB: Light brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt USDA: Brown (10YR 5/3) Loamy Sand, 60% Gravel, Subangular Blocky	10	S-6			Wet	3-13-19-28 (32)		Test bottom at ±10.5'; Perm Rate = 3.0 in/hr
		MB: Light brown Decomposed Rock: coarse to fine Sand, some coarse to fine Gravel, some Clayey Silt USDA: Strong brown (7.5YR 5/6) Loamy Sand, 30% Gravel, Subangular Blocky		S-7			Moist	41-44-44-50/0" (88)		
		BORING COMPLETED AT 14± FEET								
	426		15							
	421		20							
	416		25							
	411		30							
	406									

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-112/PT-12

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-07-2025 **COMPLETED** 07-07-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 442.5±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER **AT TIME OF DRILLING** Not Encountered
CASING DEPTH **AT END OF DRILLING** Not Encountered
FINAL DEPTH 16.0± ft **24 HR AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil								
		MB: Fill: Brown coarse to fine Sand, some medium to fine Gravel, little Silt, with Roots		S-1		18	Dry	1-3-3-8 (6)		
		MB: Brown coarse to fine Gravel, some coarse to fine Sand, some Clayey Silt USDA: Dark yellowish brown (10YR 4/6) Loam, 50% Gravel, Single Grained		S-2		16	Dry	8-10-19-25 (29)		
	438	MB: Light brown coarse to fine Sand, and coarse to fine Gravel, little Clayey Silt USDA: Dark yellowish brown (10YR 4/4) Loamy Sand, 35% Gravel, Subangular Blocky	5	S-3		19	Dry	12-19-15-16 (34)		
		MB: Light brown coarse to fine Sand, some coarse to fine Gravel, some Clayey Silt USDA: Yellowish brown (10YR 5/6) Sandy Loam, 25% Gravel, Subangular Blocky		S-4		17	Moist	15-13-14-13 (27)		
		...same as above USDA: Yellowish brown (10YR 5/6) Sandy Loam, 25% Gravel, Subangular Blocky		S-5		20	Moist	9-8-12-13 (20)		
	433		10							
		MB: Light brown Clayey Silt, some coarse to fine Gravel, some coarse to fine Sand USDA: Brown (7.5YR 5/4) Silty Loam, 30% Gravel, Platy		S-6		22	Moist	5-9-15-16 (24)		W.C. = 11.4%; (-200) = 40.6%
		MB: Light brown Clayey Silt, some coarse to fine Gravel, some coarse to fine Sand USDA: Brown (7.5YR 5/4) Silty Loam, 30% Gravel, Platy		S-7		21	Moist	17-16-35-38 (51)		Test bottom at ±12.5'; Perm Rate = 4.80 in/hr
	428	MB: Brown coarse to fine SAND, little Silt USDA: Dark yellowish brown (10YR 4/6) Loamy Sand, Single Grained	15	S-8		23	Moist	18-16-19-20 (35)		
		BORING COMPLETED AT 16± FEET								
	423		20							
	418		25							
	413		30							
	408									

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-113/PT-13

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-07-2025 **COMPLETED** 07-07-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 443.5±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER **AT TIME OF DRILLING** Not Encountered
CASING DEPTH **AT END OF DRILLING** Not Encountered
FINAL DEPTH 16.0± ft **24 HR AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		4" Topsoil								
		MB: Fill: Brown coarse to fine SAND, some Silt, with Roots		S-1		10	Dry	1-3-3-3 (6)		
		MB: Light brown coarse to fine SAND, some coarse to fine Gravel, little Silt USDA: Yellowish brown (10YR 5/8) Loamy Sand, 20% Gravel, 5% Cobbles, Single Grained		S-2		15	Dry	4-8-15-18 (23)		
	439	MB: Light brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt USDA: Strong brown (7.5YR 5/6) Sand, 45% Gravel, Subangular Blocky	5	S-3		18	Dry	14-12-11-11 (23)		Auger to 4', griding to 3'-4'
		No Recovery		S-4		0		50/3"		Hard grinding at 7' on possible cobble
		MB: Light brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt USDA: Strong brown (7.5YR 5/6) Sand, 45% Gravel, Subangular Blocky		S-5		24	Dry Moist	11-7-10-8 (17)		Drill to 8' Grinding 7-10'
	434	MB: Brown Silty CLAY, little coarse to fine Sand, trace medium to fine Gravel USDA: Yellowish brown (10YR 5/6) Silty Clay Loam, 5% Gravel, Granular	10	S-6		22	Moist	14-22-21-20 (43)		
		MB: Brown coarse to fine Gravel, some coarse to fine Sand, some Clayey Silt USDA: Strong brown (7.5YR 5/6) Loam, 40% Gravel, Subangular Blocky		S-7		12	Moist	15-16-24-25 (40)		Perm. Test bottom ±13.5'; Perm Rate = 1.20 in/hr
	429	MB: Gray-brown coarse to fine SAND, little medium to fine Gravel, trace Silt USDA: Yellowish brown (10YR 5/8) Sand, 15% Gravel, Single Grained	15	S-8		18	Moist	9-15-16-16 (31)		
		MB: Gray-brown coarse to fine SAND, little medium to fine Gravel, trace Silt USDA: Yellowish brown (10YR 5/8) Sand, 15% Gravel, Single Grained								
		BORING COMPLETED AT 16± FEET								
	424		20							
	419		25							
	414		30							
	409									

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-117/PT-17

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-08-2025 **COMPLETED** 07-08-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 427.0±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 6.0± ft

DEPTH TO GROUNDWATER:
AT TIME OF DRILLING Not Encountered
AT END OF DRILLING Not Encountered
24 HR AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil								
		MB: Fill: Brown coarse to fine Sand, some Silt, little medium to fine Gravel, with Roots		S-1		20	Dry	2-1-3-4 (4)		
		MB: Light/gray/orange brown coarse to fine SAND, some Clayey Silt, trace fine Gravel USDA: Dark yellowish brown (10YR 4/6)/very dark gray brown Silt Loam, many mottling abundance, coarse mottling, distinct mottling, Single Grained, 5% Gravel		S-2		18	Moist	6-7-7-9 (14)		Perm Test bottom at ±2'; Perm Rate = 5.5 in/hr Mottling at 2'-4'
	422	MB: Light/gray/orange brown coarse to fine SAND, some Clayey Silt, trace fine Gravel USDA: Dark yellowish brown (10YR 4/6)/very dark gray brown Silt Loam, many mottling abundance, coarse mottling, distinct mottling, Single Grained, 5% Gravel	5	S-3		20	Moist	12-14-16-17 (30)		Mottling at 4'-6'
		BORING COMPLETED AT 6± FEET								
	417		10							
	412		15							
	407		20							
	402		25							
	397		30							

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-118

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-07-2025 **COMPLETED** 07-07-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 428.0±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 4.0± ft

DEPTH TO GROUNDWATER:
AT TIME OF DRILLING Not Encountered
AT END OF DRILLING Not Encountered
24 HR AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil								
		MB: Fill: Brown coarse to fine Sand, some coarse to fine Gravel, little Silt, with Roots, occasional Cobbles		S-1		18	Dry	3-4-6-11 (10)		
		MB: Brown coarse to fine GRAVEL, some coarse to fine Sand, little Silt, occasional Cobbles USDA: Dark yellowish brown (10YR 2/2) Loamy Sand, Single Grained, 60% Gravel, 10% Cobbles		S-2		8	Dry	11-11-11-12 (22)		Grinding at 1'-4' Low recovery and grinding in tip Offset 5' north and resampled
		BORING COMPLETED AT 4± FEET DUE TO AUGER REFUSAL								
	423		5							
	418		10							
	413		15							
	408		20							
	403		25							
	398		30							

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BOREHOLE NUMBER: B-118A/PT-18

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-08-2025 **COMPLETED** 07-08-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 428.0±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER **AT TIME OF DRILLING** Not Encountered
CASING DEPTH **AT END OF DRILLING** Not Encountered
FINAL DEPTH 8.0± ft **24 HR AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil								
		MB: Fill: Brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with Roots		S-1		18	Dry	1-3-3-5 (6)		Perm bottom Test at ±2'; Perm Rate = 0.75 in/hr
		MB: Light brown/gray/tan coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt USDA: Dark yellowish brown (10YR 4/6)/very dark brown (10YR 2/2) Loamy Sand, many mottling abundance, coarse mottling size, faint mottling contrast, 50% Gravel, Subangular Blocky		S-2		11	Dry	10-14-13-12 (27)		Mottling at 2'-4'
	423	MB: Orange/brown/gray coarse to fine Sand, and Clayey Silt, little medium to fine Gravel USDA: Dark yellowish brown (10YR 4/6)/very dark brown (10YR 2/2) Loam, few mottling abundance, fine mottling size, distinct mottling contrast, 15% Gravel, Single Grained ...same as above	5	S-3		20	Moist	5-10-13-15 (23)		
				S-4		16	Moist	16-18-29-50/0" (47)		
		BORING COMPLETED AT 8± FEET								
	418		10							
	413		15							
	408		20							
	403		25							
	398		30							

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-119/PT-19

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-07-2025 **COMPLETED** 07-07-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 429.0±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER **AT TIME OF DRILLING** Not Encountered
CASING DEPTH **AT END OF DRILLING** Not Encountered
FINAL DEPTH 8.0± ft **24 HR AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		12" Topsoil								
		Fill: 6" Slag		S-1		22	Moist	2-6-14-19 (20)		
		Fill: 6" Gravel								Perm. Test bottom at ±2'; Perm Rate = 22.75 in/hr
		MB: Brown coarse to fine GRAVEL, some coarse to fine Sand, little Silt USDA: Yellowish brown (10YR 5/4) Sandy Loam, Subangular Blocky, 60% Gravel, common mottling abundance, coarse mottling size, Faint		S-2		8	Moist	11-9-9-7 (18)		
	424	MB: Brown/orange/gray coarse to fine Sand, and Silty Clay, trace coarse to fine Gravel USDA: Yellowish brown (10YR 5/4) Sandy Clay Loam, Platy, 10% Gravel, many mottling abundance, coarse mottling size, faint	5	S-3			Moist	5-8-8-9 (16)		Mottling at 4'-6'
				S-4			Moist	14-13-13-14 (26)		
		BORING COMPLETED AT 8± FEET								
	419		10							
	414		15							
	409		20							
	404		25							
	399		30							

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: B-120/PT-20

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 07-07-2025 **COMPLETED** 07-07-2025
DRILLING CONTRACTOR ETD
SAMPLER 2-inch split spoon
EQUIPMENT Geoprobe 7822DT
DRILLING FOREMAN Scott **HELPER** Dave
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** 429.0±
DRILLING METHOD HSA
SAMPLE HAMMER Auto
AUGER INNER DIAMETER 2.88 in **OUTER DIAMETER** 4.75 in
ROTARY BIT DIAMETER
CASING DIAMETER
CASING DEPTH
FINAL DEPTH 8.0± ft

DEPTH TO GROUNDWATER:
AT TIME OF DRILLING Not Encountered
AT END OF DRILLING Not Encountered
24 HR AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Moisture	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		Fill: 12" Topsoil over gray coarse to fine Gravel, trace coarse to fine Sand, trace Silt		S-1		17	Dry	2-8-13-13 (21)		Perm Test bottom at ±2' Perm Rate = 9.0 in/hr Hard grinding 1 to 4 feet
		MB: Fill: Dark brown coarse to fine Gravel, some coarse to fine Sand, little Clayey Silt, with Brick		S-2		10	Dry	7-7-16-19 (23)		Perm Test bottom at ±4' Perm Rate = 24.0 in/hr
	424	MB: Brown/gray/orange Silty CLAY, and coarse to fine Sand, little medium to fine Gravel USDA: Light gray (10YR 7/1) Silty Clay, 15% Gravel, Platy, many mottling abundance, coarse mottling size, distinct	5	S-3		23	Moist	3-3-4-4 (7)		Mottling at 4'-6'
		MB: Brown/gray/orange Silty CLAY, and coarse to fine Sand, little medium to fine Gravel USDA: Light gray (10YR 7/1) Silty Clay, 15% Gravel, Platy, many mottling abundance, coarse mottling size, distinct		S-4		23	Moist	3-5-8-8 (13)		
		BORING COMPLETED AT 8± FEET								
	419		10							
	414		15							
	409		20							
	404		25							
	399		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-101/PT-1

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±439.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 3.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil/Roots		Moist	Loose	
		MB: Yellow-brown coarse to fine SAND, some coarse to fine Gravel, little Silt USDA: Yellowish brown (10YR 5/6) Sandy Loam, Subangular Blocky, 20% Gravel		Moist	Medium Dense	Perm. Test bottom at ±2'; Perm Rate = 18.0 in/hr
		TEST PIT COMPLETED AT 3± FEET				
	434		5			
	429		10			
	424		15			
	419		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-102/PT-2

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±442.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 6.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		MB: Brown coarse to fine Sand, and Silty Clay, some coarse to fine Gravel, occasional Cobbles, with Roots USDA: Yellowish brown (10YR 5/4) Sandy Clay Loam, Subangular Blocky, 22% Gravel, 10% Cobbles				W.C. = 13.1%; (-200) = 38.0%
				Dry	Dense	
						Perm. Test bottom at ±4'; Perm Rate = 17.75 in/hr
	437		5			
		TEST PIT COMPLETED AT 6± FEET				
	432		10			
	427		15			
	422		20			

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TEST PIT NUMBER: TP-103/PT-3

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±441.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 5.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		MB: Yellow-brown coarse to fine Sand, some coarse to fine Gravel, some Silt USDA: Dark yellowish brown (10YR 4/4) Sandy Loam, Subangular Blocky, 20% Gravel		Moist	Medium Dense	Perm. Test bottom at ±3'; Perm Rate = 16.75 in/hr
	436	TEST PIT COMPLETED AT 5± FEET	5			
	431		10			
	426		15			
	421		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-107/PT-7

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±431.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 10.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION 9.50 ft
AT END OF EXCAVATION
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		Fill: Light brown coarse to fine Sand, and coarse to fine Gravel, trace Sand, occasional Cobbles, Bricks and Roots				
				Dry	Medium Dense	
	426	MB: Brown coarse to fine Gravel, some Silt, some coarse to fine Sand USDA: Dark yellowish brown (10YR 3/4) Silt Loam, Platy, 42% Gravel	5			Perm. Test bottom at ±5'; Perm Rate = 15.75 in/hr W.C. = 13.2%; (-200) = 32.9%
				Moist	Dense	
				Wet	Dense	
	421	TEST PIT COMPLETED AT 10± FEET	10			
	416		15			
	411		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-108/PT-8

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±432.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 9.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION 8.50 ft
AT END OF EXCAVATION
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		MB: Yellow-brown coarse to fine Sand, some coarse to fine Gravel, some Silt, occasional Cobbles USDA: Dark yellowish brown (10YR 4/4) Sandy Loam, Subangular Blocky, 25% Gravel, 10% Cobbles		Moist	Medium Dense	
	428		5			Perm. Test bottom at ±6.5'; Perm Rate = 10.75 in/hr
				Wet	Medium Dense	
		TEST PIT COMPLETED AT 9± FEET				
	423		10			
	418		15			
	413		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-109/PT-9

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±432.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 9.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION 8.50 ft
AT END OF EXCAVATION
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		MB: Yellow-brown medium to fine SAND, some coarse to fine Gravel, little Silt, occasional Cobbles USDA: Dark yellowish brown (4/6) Loamy Sand, Subangular Blocky, 25% Gravel, 10% Cobbles		Moist	Medium Dense	
	428		5			Perm. Test bottom at ±6.5'; Perm Rate = 18.50 in/hr
				Wet	Medium Dense	
		TEST PIT COMPLETED AT 9± FEET				
	423		10			
	418		15			
	413		20			

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-110/PT-10

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±433.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 9.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		MB: Yellow-brown coarse to fine Sand, and coarse to fine Gravel, little Silt USDA: Dark yellowish brown (10YR 4/4) Loamy Sand, Subangular Blocky, 35% Gravel				
	428		5	Moist	Dense	
						Perm. Test bottom at ±7'; Perm Rate = 24.0 in/hr
		TEST PIT COMPLETED AT 9± FEET				
	423		10			
	418		15			
	413		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-114/PT-14

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±441.0-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 11.0-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		MB: Yellow-brown coarse to fine SAND, little coarse to fine Gravel, little Silt, occasional Cobbles USDA: Dark yellowish brown (10YR 4/6) Loamy Sand, 15% Gravel, 10% Cobbles, Subangular Blocky		Dry	Medium Dense	
	436		5	Moist	Dense	
				Moist	Medium Dense	Perm. Test bottom at ±9'; Perm Rate = 24 in/hr
	431		10			
		TEST PIT COMPLETED AT 11± FEET				
	426		15			
	421		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-115/PT-15

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±438.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 9.5-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		6" Topsoil		Moist	Loose	
		MB: Yellow-brown coarse to fine Sand, and coarse to fine Gravel, little Silt, occasional Cobbles USDA: Dark yellowish brown (10YR 4/6) Loamy Sand, Subangular Blocky, 35% Gravel, 10% Cobbles		Dry	Medium Dense	
	434		5			
				Dry	Dense	Perm. Test bottom at ±6.5'; Perm Rate = 16.25 in/hr
	429	TEST PIT COMPLETED AT 9.5± FEET	10			
	424		15			
	419		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

TEST PIT NUMBER: TP-116/PT-16

PROJECT NAME Proposed Residential Development
PROJECT NO. 13390
DATE STARTED 06-25-2025 **COMPLETED** 06-26-2025
EXCAVATION CONTRACTOR PM Construction Co.

PROJECT LOCATION 2 Ridge Road, Haverstraw, NY
ELEVATION DATUM NAVD-88 **GROUND ELEVATION** ±439.5-ft
EXPLORATION WIDTH **EXPLORATION LENGTH**
FINAL DEPTH 9.5-ft

EQUIPMENT CAT 321 DLCR
EXCAVATION FOREMAN
LOGGED BY J. Tangen **CHECKED BY** M. Felicetta
LATITUDE **LONGITUDE**

DEPTH TO GROUNDWATER:
AT TIME OF EXCAVATION Not Encountered
AT END OF EXCAVATION Not Encountered
24 HR AFTER EXCAVATION

Material Symbol	EL (ft)	Soil Description	Depth Scale (ft)	Moisture	Relative Density	Remarks
		8" Topsoil		Moist	Loose	
		MB: Yellow-brown coarse to fine Sand, and coarse to fine Gravel, little Silt, occasional Cobbles USDA: Yellowish brown (10YR 5/6) Loamy Sand, Subangular Blocky, 35% Gravel, 10% Cobbles		Dry	Medium Dense	
	435		5			
				Dry	Dense	
		MB: Brown coarse to fine Gravel, some Silty Clay, some coarse to fine Sand USDAS: Pale brown (10YR 6/3) Sandy Clay Loam, Platy, 40% Gravel, 20% Cobbles		Dry	Very Dense	Perm. Test bottom at ±7.5'; Perm Rate = 10.50 in/hr W.C. = 12.9%; (-200) = 30.6%
	430	TEST PIT COMPLETED AT 9.5± FEET	10			
	425		15			
	420		20			

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

SOILS CLASSIFICATION AND EXPLORATION LOG KEY

Our experience has shown that the following field identification system, which is pattered somewhat after the Burmister System, permits a more detailed breakdown of the components within a soil sample than other identification systems allow. It also compels the supervising technician to examine a sample quite closely in order to accurately describe the components within the sample.

Grain Size and Classifications

Gravel:
Coarse gravel ranges from 3-in to 1-in
Medium gravel ranges from 1-in to 3/8-in
Fine gravel ranges from 3/8-in to No. 10 sieve

Sand:
Coarse sand ranges from No. 10 to No. 30 sieve
Medium sand ranges from No. 30 to No. 60 sieve
Fine sand ranges from No. 60 to No. 200 sieve

Silt:
Material which passes the No. 200 sieve
Exhibits little to no plasticity

Clay:
Material which passes the No. 200 Sieve
Exhibits varying degrees of plasticity

Component Classification

CAPITALS	More than 50% of the sample by weight
Proper Case	Less than 50% of the sample by weight

Proportion Terms

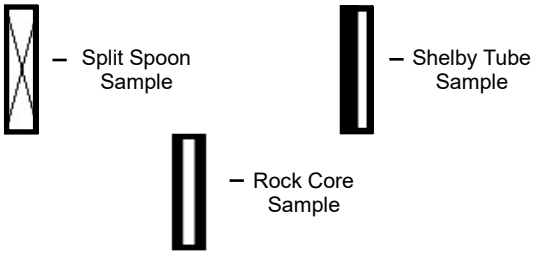
and	Component ranges from 35% to 50% of the sample by weight
some	Component ranges from 20% to 35% of the sample by weight
little	Component ranges from 10% to 20% of the sample by weight
trace	Component ranges from 0% to 10% of the sample by weight

Gradation Designation

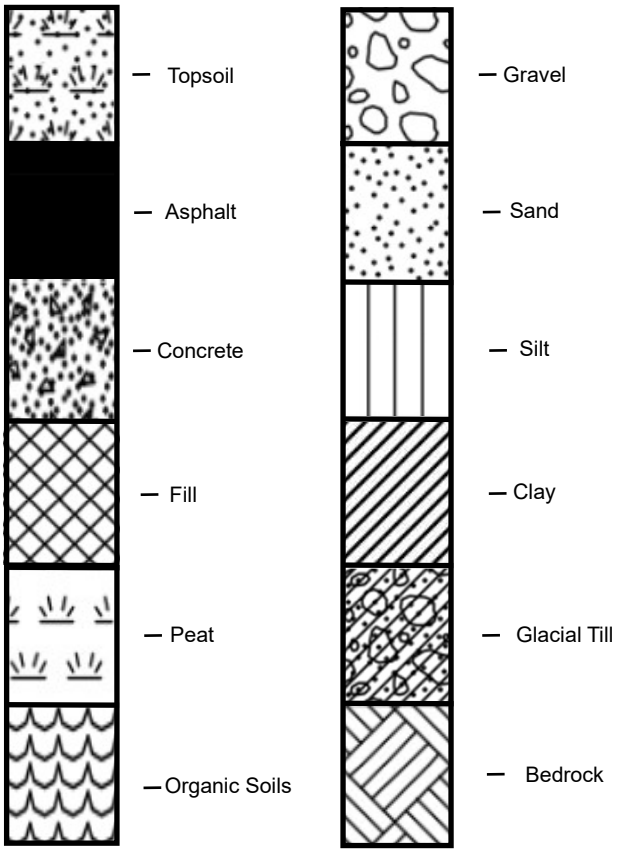
Coarse to fine (c-f)	All fractions greater than 10% of the component
Coarse to Medium (c-m)	Less than 10% of the component is fine
Medium to fine (m-f)	Less than 10% of the component is coarse
Coarse (c)	Less than 10% of the component is medium or fine
Medium (m)	Less than 10% of the component is coarse or fine
Fine (f)	Less than 10% of the component is coarse or medium

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgement of such authorized users. Information on the logs should not be relied upon without the geotechnical engineer's recommendations contained in the report from which these logs were extracted.

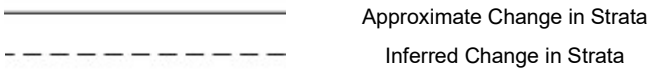
Sampling Types



Generalized Stratum Types



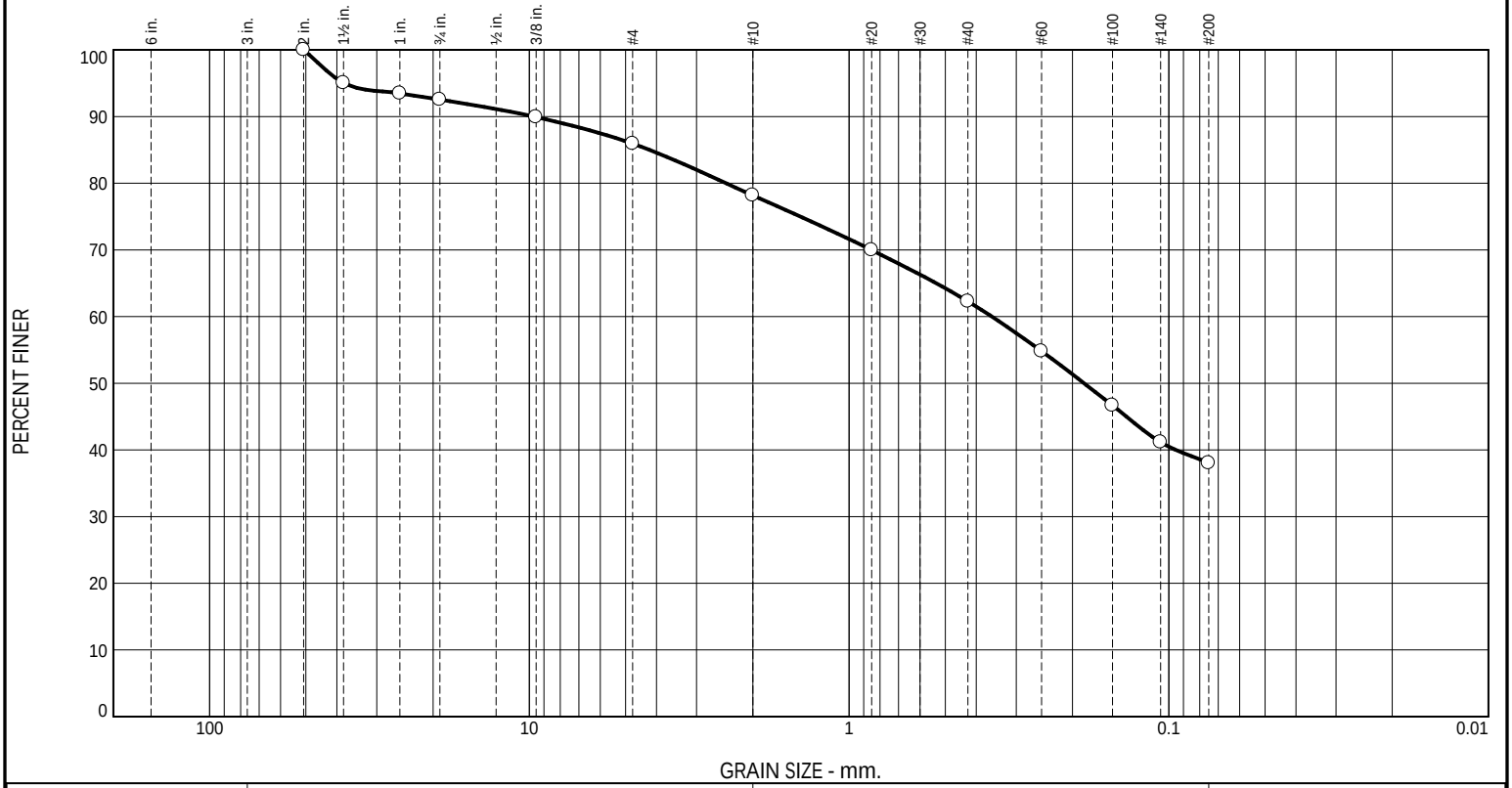
Strata Separation



APPENDIX B

Particle Size Distribution Report

ASTM D6913



% +3"	% Gravel=21.8			% Sand=40.2			% Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
0.0	6.5	3.6	11.7	11.9	11.5	16.8	38.0

Test Results (ASTM D6913)

Sieve Size or Diam. (in.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
2	100.0			
1.5	95.1			
1	93.5			
.75	92.6			
.375	89.9			
#4	85.9			
#10	78.2			
#20	70.0			
#40	62.3			
#60	54.8			
#100	46.7			
#140	41.1			
#200	38.0			

* (no specification provided)

Material Description

Brown coarse to fine Sand, and Silty Clay, some coarse to fine Gravel, with Roots

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 9.6793 D_{85}= 4.2072 D_{60}= 0.3576
D_{50}= 0.1842 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Test Remarks

Water Content(%)= 13.1

Location: TP-102
Sample Number: S-1 Depth: 1 Sample Date: 07/15/2025

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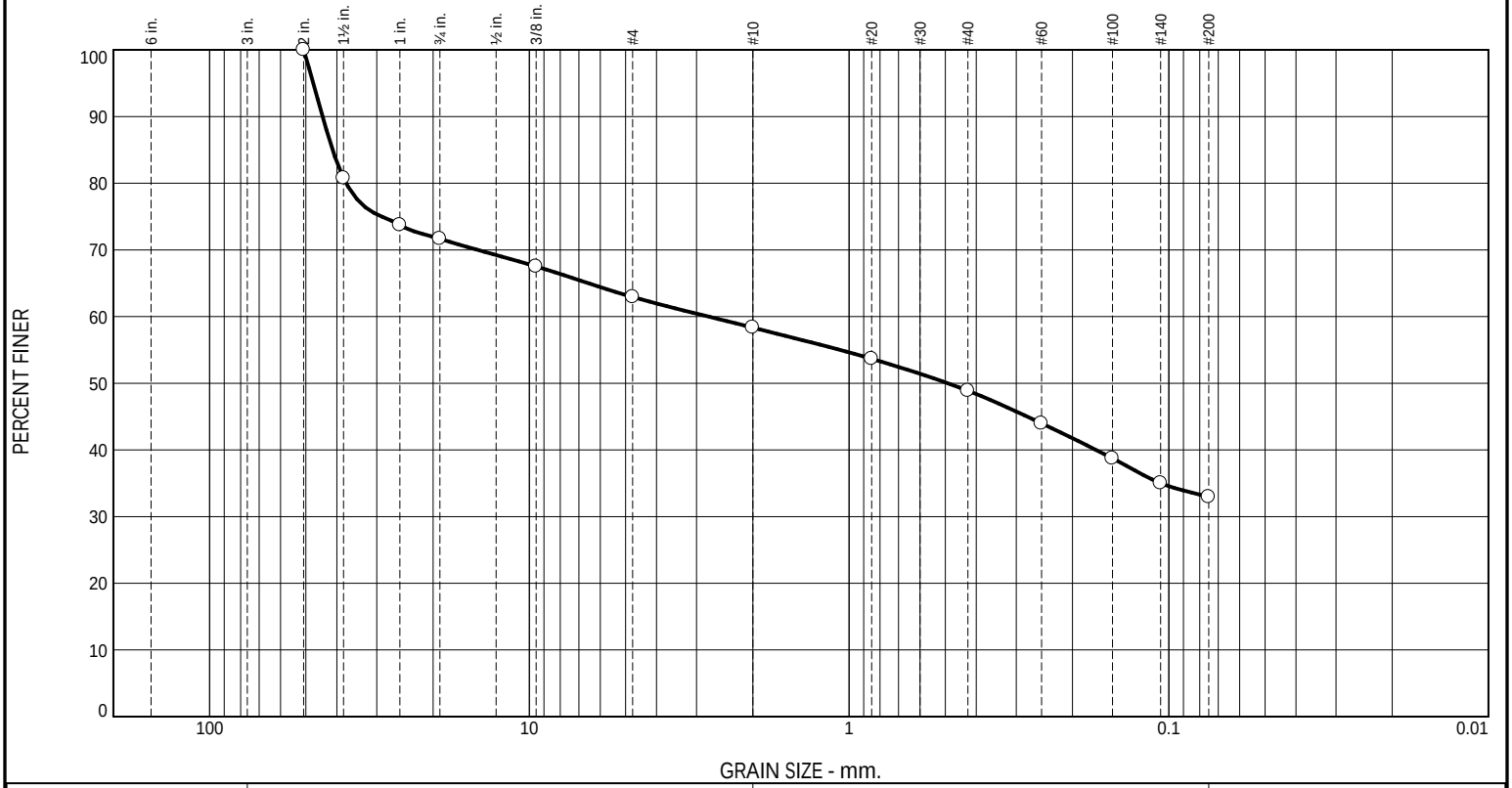
Client: BNE Real Estate
Project: Proposed Mixed-Use Development

Project No: 13390 Figure 1

Tested By: MLT Checked By: MLT

Particle Size Distribution Report

ASTM D6913



% +3"	% Gravel=41.7			% Sand=25.4			% Fines
	Coarse	Medium	Fine	Coarse	Medium	Fine	
0.0	26.3	6.2	9.2	6.9	7.4	11.1	32.9

Test Results (ASTM D6913)

Sieve Size or Diam. (in.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
2	100.0			
1.5	80.8			
1	73.7			
.75	71.7			
.375	67.5			
#4	62.9			
#10	58.3			
#20	53.7			
#40	48.9			
#60	44.0			
#100	38.7			
#140	35.0			
#200	32.9			

* (no specification provided)

Material Description

Brown coarse to fine Gravel, some Silt, some coarse to fine Sand, trace Roots

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 44.3046 D_{85}= 41.2278 D_{60}= 2.7501
D_{50}= 0.4912 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= AASHTO=

Test Remarks

Water Content(%)= 13.2

Location: TP-107
Sample Number: S-2 Depth: 7 Sample Date: 07/15/2025

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Client: BNE Real Estate
Project: Proposed Mixed-Use Development

Project No: 13390 Figure 2

Tested By: MLT Checked By: MLT

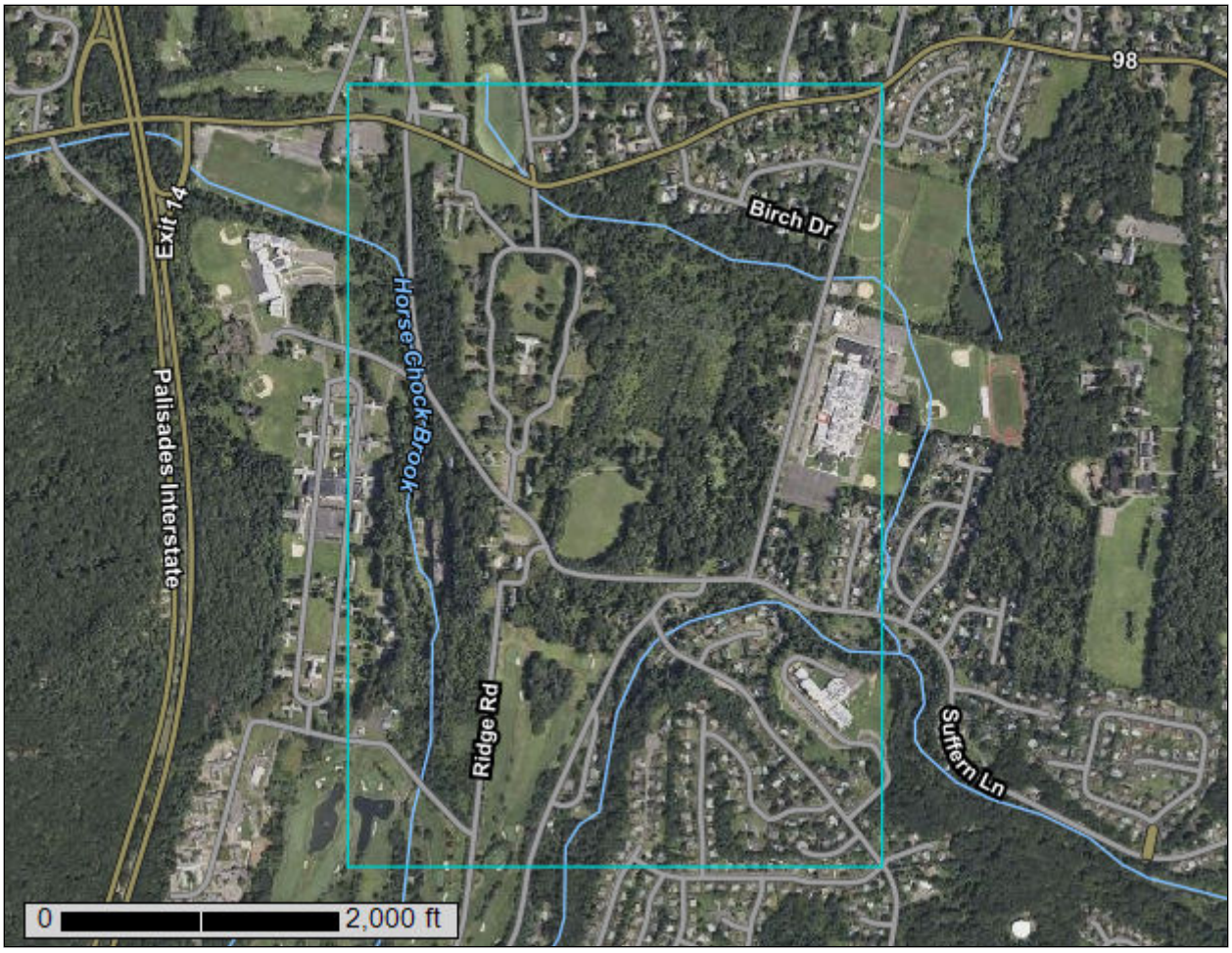
United States Department of Agriculture

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 Rockland County, New York



December 8, 2021

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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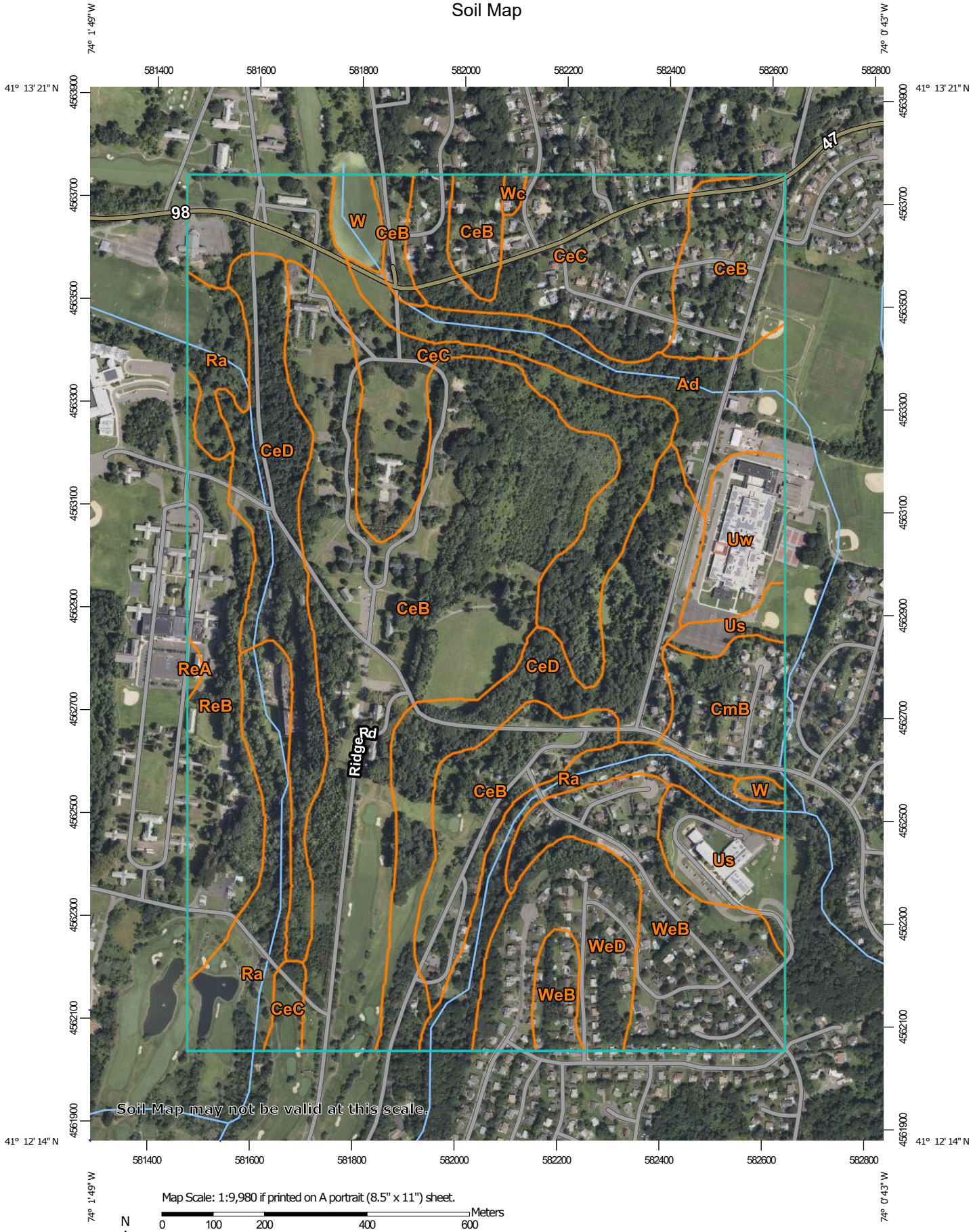
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CeB—Charlton fine sandy loam, 3 to 8 percent slopes.....12
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Soil Map

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: 1:9,980 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 450 900 1800 2700

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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: Rockland County, New York
Survey Area Data: Version 19, Sep 1, 2021

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

Date(s) aerial images were photographed: Apr 13, 2021—Sep 14, 2021

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
Ad	Alden silt loam	23.7	4.8%
CeB	Charlton fine sandy loam, 3 to 8 percent slopes	145.6	29.5%
CeC	Charlton fine sandy loam, 8 to 15 percent slopes	82.6	16.7%
CeD	Charlton fine sandy loam, 15 to 25 percent slopes	67.0	13.6%
CmB	Charlton-Urban land complex, 3 to 8 percent slopes	13.9	2.8%
Ra	Rippowam sandy loam	42.1	8.5%
ReA	Riverhead fine sandy loam, 0 to 3 percent slopes	0.6	0.1%
ReB	Riverhead fine sandy loam, 3 to 8 percent slopes	28.4	5.8%
Us	Udorthents, smoothed	14.3	2.9%
Uw	Udorthents, wet substratum	12.1	2.5%
W	Water	4.8	1.0%
Wc	Watchaug fine sandy loam	0.7	0.1%
WeB	Wethersfield gravelly silt loam, 3 to 8 percent slopes	35.8	7.2%
WeD	Wethersfield gravelly silt loam, 15 to 25 percent slope s	22.0	4.5%
Totals for Area of Interest		**493.4**	**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 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.

Rockland County, New York

Ad—Alden silt loam

Map Unit Setting

National map unit symbol: 9v3r
Elevation: 300 to 1,500 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Alden and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Alden

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: A silty mantle of local deposition overlying loamy till

Typical profile

H1 - 0 to 9 inches: silt loam
H2 - 9 to 33 inches: silt loam
H3 - 33 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Calcium carbonate, maximum content: 10 percent
Available water supply, 0 to 60 inches: High (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: C/D
Ecological site: F144AY040NY - Semi-Rich Very Wet Till Depressions
Hydric soil rating: Yes

Minor Components

Rippowam

Percent of map unit: 5 percent
Landform: Flood plains

Hydric soil rating: Yes

Sloan

Percent of map unit: 5 percent
Landform: Flood plains
Hydric soil rating: Yes

Alden, very stony

Percent of map unit: 5 percent
Landform: Depressions
Hydric soil rating: Yes

Adrian

Percent of map unit: 5 percent
Landform: Marshes, swamps
Hydric soil rating: Yes

CeB—Charlton fine sandy loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2wh0n
Elevation: 0 to 1,440 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Charlton and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting

Landform: Ridges, ground moraines, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Side slope, crest, nose slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Ap - 0 to 7 inches: fine sandy loam
Bw - 7 to 22 inches: gravelly fine sandy loam
C - 22 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained

Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Minor Components

Sutton
Percent of map unit: 8 percent
Landform: Hills, ground moraines
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Paxton
Percent of map unit: 5 percent
Landform: Ground moraines, hills, drumlins
Landform position (two-dimensional): Backslope, summit, shoulder
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

Chatfield
Percent of map unit: 1 percent
Landform: Ridges, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Crest, side slope, nose slope
Down-slope shape: Convex
Across-slope shape: Linear, convex
Hydric soil rating: No

Leicester
Percent of map unit: 1 percent
Landform: Depressions, drainageways
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: Yes

CeC—Charlton fine sandy loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2wh0q
Elevation: 0 to 1,440 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Charlton and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting

Landform: Ridges, ground moraines, hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Ap - 0 to 7 inches: fine sandy loam
Bw - 7 to 22 inches: gravelly fine sandy loam
C - 22 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Minor Components

Sutton, fine sandy loam
Percent of map unit: 5 percent
Landform: Ridges, hills, ground moraines
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Paxton
Percent of map unit: 5 percent
Landform: Ground moraines, hills, drumlins
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

Chatfield
Percent of map unit: 3 percent
Landform: Ridges, hills
Landform position (two-dimensional): Summit, backslope, shoulder
Landform position (three-dimensional): Crest, nose slope, side slope
Down-slope shape: Convex
Across-slope shape: Linear, convex
Hydric soil rating: No

Canton
Percent of map unit: 2 percent
Landform: Ridges, ground moraines, hills
Landform position (two-dimensional): Shoulder, backslope, summit
Landform position (three-dimensional): Side slope, nose slope, crest
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

CeD—Charlton fine sandy loam, 15 to 25 percent slopes

Map Unit Setting
National map unit symbol: 2wh0t
Elevation: 0 to 1,290 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition
Charlton and similar soils: 85 percent

Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting

Landform: Ridges, ground moraines, hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Coarse-loamy melt-out till derived from granite, gneiss and/or schist

Typical profile

Ap - 0 to 7 inches: fine sandy loam
Bw - 7 to 22 inches: gravelly fine sandy loam
C - 22 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Minor Components

Paxton

Percent of map unit: 5 percent
Landform: Ground moraines, hills, drumlins
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

Sutton, fine sandy loam

Percent of map unit: 5 percent
Landform: Ridges, hills, ground moraines
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear

Hydric soil rating: No

Chatfield

Percent of map unit: 3 percent
Landform: Ridges, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Nose slope, crest, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Canton

Percent of map unit: 2 percent
Landform: Moraines, hills, ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

CmB—Charlton-Urban land complex, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2xff7
Elevation: 0 to 1,020 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Charlton and similar soils: 40 percent
Urban land: 35 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting

Landform: Ridges, ground moraines, hills
Landform position (two-dimensional): Shoulder, summit, backslope
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist

Typical profile

Ap - 0 to 7 inches: fine sandy loam
Bw - 7 to 22 inches: gravelly fine sandy loam
C - 22 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Description of Urban Land

Typical profile

M - 0 to 10 inches: cemented material

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 0 inches to manufactured layer
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Available water supply, 0 to 60 inches: Very low (about 0.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: D
Hydric soil rating: Unranked

Minor Components

Chatfield

Percent of map unit: 10 percent
Landform: Ridges, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Nose slope, side slope, crest
Down-slope shape: Convex
Across-slope shape: Linear, convex
Hydric soil rating: No

Leicester

Percent of map unit: 5 percent
Landform: Hills, ground moraines, drainageways, depressions
Landform position (two-dimensional): Toeslope, footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave, linear
Across-slope shape: Concave

Hydric soil rating: Yes

Sutton

Percent of map unit: 5 percent
Landform: Ground moraines, hills
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Udorthents

Percent of map unit: 5 percent
Landform: Ridges
Landform position (three-dimensional): Tread
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Hydric soil rating: No

Ra—Rippowam sandy loam

Map Unit Setting

National map unit symbol: 9v52
Elevation: 20 to 740 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Rippowam and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rippowam

Setting

Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy over sandy alluvium derived mainly from crystalline rock

Typical profile

H1 - 0 to 10 inches: sandy loam
H2 - 10 to 35 inches: fine sandy loam
H3 - 35 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: About 0 to 18 inches
Frequency of flooding: NoneFrequent
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Ecological site: F144AY014CT - Wet Sandy Low Floodplain
Hydric soil rating: Yes

Minor Components

Hinckley

Percent of map unit: 5 percent
Hydric soil rating: No

Watchaug

Percent of map unit: 5 percent
Hydric soil rating: No

Haven

Percent of map unit: 5 percent
Hydric soil rating: No

Sloan

Percent of map unit: 5 percent
Landform: Flood plains
Hydric soil rating: Yes

ReA—Riverhead fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 9v53
Elevation: 50 to 460 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Riverhead and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Riverhead

Setting

Landform: Terraces, deltas
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 24 inches: sandy loam
H3 - 24 to 30 inches: loamy fine sand
H4 - 30 to 60 inches: stratified very gravelly sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 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: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Charlton

Percent of map unit: 5 percent
Hydric soil rating: No

Haven

Percent of map unit: 5 percent
Hydric soil rating: No

Wethersfield

Percent of map unit: 5 percent
Hydric soil rating: No

Fredon

Percent of map unit: 4 percent
Landform: Depressions
Hydric soil rating: Yes

Rippowam

Percent of map unit: 1 percent
Landform: Flood plains
Hydric soil rating: Yes

ReB—Riverhead fine sandy loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9v54
Elevation: 20 to 440 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Riverhead and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Riverhead

Setting

Landform: Terraces, deltas
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 24 inches: sandy loam
H3 - 24 to 30 inches: loamy fine sand
H4 - 30 to 60 inches: stratified very gravelly sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 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: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Wethersfield
Percent of map unit: 5 percent
Hydric soil rating: No

Haven
Percent of map unit: 5 percent
Hydric soil rating: No

Charlton
Percent of map unit: 5 percent
Hydric soil rating: No

Fredon
Percent of map unit: 4 percent
Landform: Depressions
Hydric soil rating: Yes

Rippowam
Percent of map unit: 1 percent
Landform: Flood plains
Hydric soil rating: Yes

Us—Udorthents, smoothed

Map Unit Setting
National map unit symbol: 9v5d
Elevation: 0 to 890 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition
Udorthents, smoothed, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Udorthents, Smoothed

Typical profile
H1 - 0 to 20 inches: channery loam
H2 - 20 to 70 inches: very gravelly loam

Properties and qualities
Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 5.95 in/hr)

Depth to water table: About 36 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: Low (about 5.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Udorthents, wet substratum

Percent of map unit: 5 percent
Hydric soil rating: No

Urban land

Percent of map unit: 4 percent
Hydric soil rating: Unranked

Alden

Percent of map unit: 2 percent
Landform: Depressions
Hydric soil rating: Yes

Wallington

Percent of map unit: 2 percent
Hydric soil rating: No

Wethersfield

Percent of map unit: 2 percent
Hydric soil rating: No

Riverhead

Percent of map unit: 2 percent
Hydric soil rating: No

Hollis

Percent of map unit: 2 percent
Hydric soil rating: No

Rock outcrop

Percent of map unit: 1 percent
Hydric soil rating: Unranked

Uw—Udorthents, wet substratum

Map Unit Setting

National map unit symbol: 9v5f
Elevation: 50 to 2,400 feet
Mean annual precipitation: 47 to 50 inches

Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Udorthents, wet substratum, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Udorthents, Wet Substratum

Typical profile

H1 - 0 to 20 inches: channery loam
H2 - 20 to 70 inches: very gravelly loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 5.95 in/hr)
Depth to water table: About 12 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: Low (about 5.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: A
Hydric soil rating: Yes

Minor Components

Udorthents

Percent of map unit: 5 percent
Hydric soil rating: No

Urban land

Percent of map unit: 4 percent
Hydric soil rating: Unranked

Paxton

Percent of map unit: 2 percent
Hydric soil rating: No

Hinckley

Percent of map unit: 2 percent
Hydric soil rating: No

Rippowam

Percent of map unit: 2 percent
Landform: Flood plains
Hydric soil rating: Yes

Sloan

Percent of map unit: 2 percent
Landform: Flood plains

Hydric soil rating: Yes

Palms

Percent of map unit: 2 percent
Landform: Swamps, marshes
Hydric soil rating: Yes

Rock outcrop

Percent of map unit: 1 percent
Hydric soil rating: Unranked

W—Water

Map Unit Setting

National map unit symbol: 9v5s
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Water: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Wc—Watchaug fine sandy loam

Map Unit Setting

National map unit symbol: 9v5j
Elevation: 50 to 750 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Watchaug and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Watchaug

Setting

Landform: Till plains, hills
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Concave
Across-slope shape: Convex

Parent material: Loamy acid till derived mainly from reddish sandstone, shale, and conglomerate, with some basalt

Typical profile

Oe - 0 to 2 inches: moderately decomposed plant material
H1 - 2 to 7 inches: fine sandy loam
H2 - 7 to 23 inches: gravelly fine sandy loam
H3 - 23 to 64 inches: gravelly fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: High (about 9.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: C
Ecological site: F144AY008CT - Moist Till Uplands
Hydric soil rating: No

Minor Components

Cheshire

Percent of map unit: 5 percent
Hydric soil rating: No

Wethersfield

Percent of map unit: 5 percent
Hydric soil rating: No

Alden

Percent of map unit: 5 percent
Landform: Depressions
Hydric soil rating: Yes

WeB—Wethersfield gravelly silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9v5l
Elevation: 30 to 690 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Wethersfield and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wethersfield

Setting

Landform: Till plains, hills
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy acid till derived mainly from reddish sandstone, shale, and conglomerate, with some basalt

Typical profile

H1 - 0 to 13 inches: gravelly silt loam
H2 - 13 to 22 inches: gravelly loam
H3 - 22 to 60 inches: gravelly fine sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 38 inches to densic material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Ecological site: F145XY012CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Minor Components

Cheshire

Percent of map unit: 5 percent
Hydric soil rating: No

Charlton

Percent of map unit: 5 percent
Hydric soil rating: No

Riverhead

Percent of map unit: 5 percent
Hydric soil rating: No

Wallington

Percent of map unit: 5 percent
Hydric soil rating: No

WeD—Wethersfield gravelly silt loam, 15 to 25 percent slope s

Map Unit Setting

National map unit symbol: 9v5n
Elevation: 0 to 640 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Wethersfield and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wethersfield

Setting

Landform: Till plains, hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy acid till derived mainly from reddish sandstone, shale, and conglomerate, with some basalt

Typical profile

H1 - 0 to 13 inches: gravelly silt loam
H2 - 13 to 22 inches: gravelly loam
H3 - 22 to 60 inches: gravelly fine sandy loam

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: 20 to 38 inches to densic material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: F145XY012CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Minor Components

Riverhead
Percent of map unit: 5 percent
Hydric soil rating: No

Charlton
Percent of map unit: 5 percent
Hydric soil rating: No

Cheshire
Percent of map unit: 5 percent
Hydric soil rating: No

Wallington
Percent of map unit: 3 percent
Hydric soil rating: No

Yalesville
Percent of map unit: 2 percent
Hydric soil rating: No

APPENDIX E

STORMWATER PRACTICE CONSTRUCTION INSPECTION CHECKLISTS

Infiltration Basin Construction Inspection Checklist

Project:
Location:
Site Status:

Date:

Time:

Inspector:

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
1. Pre-Construction		
Runoff diverted		
Soil permeability tested		
Groundwater / bedrock depth		
2. Excavation		
Size and location		
Side slopes stable		
Excavation does not compact subsoils		
3. Embankment		
Barrel		
Anti-seep collar or Filter diaphragm		
Fill material		

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
4. Final Excavation		
Drainage area stabilized		
Sediment removed from facility		
Basin floor tilled		
Facility stabilized		
5. Final Inspection		
Pretreatment facility in place		
Inlets / outlets		
Contributing watershed stabilized before flow is routed to the factility		

Comments:

Actions to be Taken:

Bioretention Construction Inspection Checklist

Project:
Location:
Site Status:

Date:

Time:

Inspector:

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
1. Pre-Construction		
Pre-construction meeting		
Runoff diverted		
Facility area cleared		
If designed as exfilter, soil testing for permeability		
Facility location staked out		
2. Excavation		
Size and location		
Lateral slopes completely level		
If designed as exfilter, ensure that excavation does not compact susoils.		
Longitudinal slopes within design range		

CONSTRUCTION SEQUENCE	SATISFACTORY / UNSATISFACTORY	COMMENTS
3. Structural Components		
Stone diaphragm installed correctly		
Outlets installed correctly		
Underdrain		
Pretreatment devices installed		
Soil bed composition and texture		
4. Vegetation		
Complies with planting specs		
Topsoil adequate in composition and placement		
Adequate erosion control measures in place		
5. Final Inspection		
Dimensions		
Proper stone diaphragm		
Proper outlet		
Soil/ filter bed permeability testing		
Effective stand of vegetation and stabilization		
Construction generated sediments removed		
Contributing watershed stabilized before flow is diverted to the practice		

Comments:

Actions to be Taken:

Open Channel System Construction Inspection Checklist

Project:
Location:
Site Status:

Date:

Time:

Inspector:

CONSTRUCTION SEQUENCE	SATISFACTORY / UNSATISFACTORY	COMMENTS
1. Pre-Construction		
Pre-construction meeting		
Runoff diverted		
Facility location staked out		
2. Excavation		
Size and location		
Side slope stable		
Soil permeability		
Groundwater / bedrock		
Lateral slopes completely level		
Longitudinal slopes within design range		
Excavation does not compact subsoils		
3. Check dams		
Dimensions		
Spacing		
Materials		

CONSTRUCTION SEQUENCE	SATISFACTORY / UNSATISFACTORY	COMMENTS
4. Structural Components		
Underdrain installed correctly		
Inflow installed correctly		
Pretreatment devices installed		
5. Vegetation		
Complies with planting specifications		
Topsoil adequate in composition and placement		
Adequate erosion control measures in place		
6. Final inspection		
Dimensions		
Check dams		
Proper outlet		
Effective stand of vegetation and stabilization		
Contributing watershed stabilized before flow is routed to the factility		

Comments:

Actions to be Taken:

APPENDIX F

TEMPORARY EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENACE CHECKLIST, PERMANENT STORMWATER PRACTICE OPERATION, MAINTENANCE, AND MANAGEMENT, & HYDRODYNAMIC SEPARATOR MAINTENANCE GUIDE

JMC Project 21090
Letchworth Village Residential Development
Letchworth Village Road
Town of Haverstraw, New York

Temporary Erosion and Sediment Control Inspection and Maintenance Checklist

Erosion and Sediment Control Measure	Inspection/Maintenance Intervals	Inspection/Maintenance Requirements
Stabilized Construction Entrance	Daily	• Periodic top dressing with additional aggregate as required • Clean sediment in public right-of-ways immediately
Silt Fence	Weekly + After Each Rain	• Remove & redistribute sediment when bulges develop in the silt fence.
Inlet Protection	Weekly + After Each Rain	• Remove sediment as necessary and replace filter fabric, crushed stone etc. • Any broken and damaged components should be replaced. • Check all materials for proper anchorage and secure as necessary.
Concrete Washout	Daily	• Damaged or leaking facilities shall be deactivated and repaired or replaced immediately.
	After Each Rain	• Pump excess rainwater that has accumulated over hardened concrete to a stabilized area.
		• Remove accumulated hardened material when 75% of the storage capacity of the structure is filled. Replace plastic liner with each cleaning of the washout facility.
Temporary Sediment Traps / Basins	Weekly + After Each Rain	• Remove and redistribute sediment when it reaches an elevation indicated on the construction documents. • Check for rilling within and around the sediment basin and repair as required. • Remove all sediment and debris from the outlet control structure as may be required.

Temporary Erosion and Sediment Control Inspection and Maintenance Checklist (Cont'd)

Erosion and Sediment Control Measure	Inspection/Maintenance Intervals	Inspection/Maintenance Requirements
Level Spreader	Weekly + After Each Rain	• Remove sediment accumulated as needed to ensure the level spreader operates properly and large flows are prevented from carrying sediment over the level lip • Check for rilling within/around the level spreader and repair as required
Temporary Swale	Weekly + After Each Rain	• Immediately remove any sediment and reestablish vegetative cover as required. • Inspect entire swale and surrounding area for rilling and repair as required with the placement of additional topsoil, then seeding and mulching, as outlined in Figure No. 3.14 of the NYSDEC New York State Standards and Specifications for Erosion and Sediment Control.

Permanent Stormwater Management Practice Inspection and Maintenance Checklist

Stormwater Management Practice	Inspection/Maintenance Intervals	Inspection/Maintenance Requirements
Vegetated Swale	Monthly	• Check that contributing area is clean of debris • Confirm vegetation is adequately maintained (mowing, fertilizer, etc.) • Check for rilling/erosion and repair as needed • Confirm dewatering occurs between storms
	Annually + Major Storms	• Clean sediment and re-vegetate as necessary. • Check condition of outlet and repair as necessary
Rip-Rap Apron/Energy Dissipator and Check Dams	Annually + After Major Storms	• Check for evidence of flows going around the structure. • Check for evidence at downstream toe and repair as needed. • Clean sediment and install additional aggregate as necessary.
Drain Inlets	Monthly	• Check for blockage and/or erosion at top of each inlet. Repair/remove as necessary. • Check for sediment and debris collected within sumps and clean out as necessary.
Hydrodynamic Water Quality Structure	(See Maintenance Guidelines in Appendix G)	• Open access cover for visual inspection and measure the distance from the standing water surface to the sediment pile with a measuring stick or tape. If less than 4 feet, insert hose from vacuum truck into the sump and screen through both access covers to clean out the standing water, layer of oil, sediment, trash, etc. • The screen must be powerwashed to ensure it is free of trash and debris.

Permanent Stormwater Management Practice Inspection and Maintenance Checklist (Cont'd)

Stormwater Management Practice	Inspection/Maintenance Intervals	Inspection/Maintenance Requirements
Stormwater Management Basin	Monthly	• Check Dry Pond areas for adequate vegetation, undesirable vegetative growth, low flow channels are clear of obstructions, standing water or wet spots and sediment and/or trash accumulation. Repair/remove as necessary.
	Annually + After Major Storms	• Check adequacy of vegetation and ground cover; for evidence of embankment erosion, animal burrows, unauthorized plantings and cracking, bulging or sliding of dam, clear/properly functioning drains, seeps/leaks on downstream face, failure of slope protection or riprap. Repair/remove as necessary. • Confirm emergency spillway is clear of obstructions and debris. • Confirm all inlets and outlet structures/pipes are operating properly.

Permanent Stormwater Management Practice Inspection and Maintenance Checklist (Cont'd)

Stormwater Management Practice	Inspection/Maintenance Intervals	Inspection/Maintenance Requirements
Bioretention Area	Routine and as Needed	• Mowing - Frequency depends upon location and desired aesthetic appeal. • Watering - If droughty, watering after the initial year may be required. • Miscellaneous Upkeep-Tasks include trash collection, spot weeding, and removing mulch from overflow device.
	Semi-Annually	• Pruning - Nutrients in runoff often cause bioretention vegetation to flourish. • Mulching – Remulch bare areas with fresh mulch
	Annually	• Mulch Removal – Mulch accumulation reduces available water storage volume. Removal of mulch also increases surface infiltration rate of fill soil. • Remove and Replace Dead Plants – Within the first year, 10 percent of plants may die. Survival rates increase with time

The owner/operator responsible for inspection and maintenance as outlined above:
BNE Real Estate Group
Charles Thomes, Jr., PE, PP
16 Microlab Road
Livingston, NJ 07039
Phone: (973) 846-1138
Email: cthomas@bnerealestate.com

p:\2021\21090\drainage\reports\2025-07-02_cdf (feis swppp)\appendix f - temp and permanent practice insp. checklist, hydro separator\temporary & permanent s&e inspection and maintenance checklist.docx

CONTECH®
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CDS® Inspection and Maintenance Guide



CDS TECHNOLOGIES

Maintenance

The CDS system should be inspected at regular intervals and maintained when necessary to ensure optimum performance. The rate at which the system collects pollutants will depend more heavily on site activities than the size of the unit. For example, unstable soils or heavy winter sanding will cause the grit chamber to fill more quickly but regular sweeping of paved surfaces will slow accumulation.

Inspection

Inspection is the key to effective maintenance and is easily performed. Pollutant transport and deposition may vary from year to year and regular inspections will help ensure that the system is cleaned out at the appropriate time. At a minimum, inspections should be performed twice per year (e.g. spring and fall) however more frequent inspections may be necessary in climates where winter sanding operations may lead to rapid accumulations, or in equipment washdown areas. Installations should also be inspected more frequently where excessive amounts of trash are expected.

The visual inspection should ascertain that the system components are in working order and that there are no blockages or obstructions in the inlet and separation screen. The inspection should also quantify the accumulation of hydrocarbons, trash, and sediment in the system. Measuring pollutant accumulation can be done with a calibrated dipstick, tape measure or other measuring instrument. If absorbent material is used for enhanced removal of hydrocarbons, the level of discoloration of the sorbent material should also be identified during inspection. It is useful and often required as part of an operating permit to keep a record of each inspection. A simple form for doing so is provided.

Access to the CDS unit is typically achieved through two manhole access covers. One opening allows for inspection and cleanout of the separation chamber (cylinder and screen) and isolated sump. The other allows for inspection and cleanout of sediment captured and retained outside the screen. For deep units, a single manhole access point would allows both sump cleanout and access outside the screen.

The CDS system should be cleaned when the level of sediment has reached 75% of capacity in the isolated sump or when an appreciable level of hydrocarbons and trash has accumulated. If absorbent material is used, it should be replaced when significant discoloration has occurred. Performance will not be impacted until 100% of the sump capacity is exceeded however it is recommended that the system be cleaned prior to that for easier removal of sediment. The level of sediment is easily determined by measuring from finished grade down to the top of the sediment pile. To avoid underestimating the level of sediment in the chamber, the measuring device must be lowered to the top of the sediment pile carefully. Particles at the top of the pile typically offer less resistance to the end of the rod than consolidated particles toward the bottom of the pile. Once this measurement is recorded, it should be compared to the as-built drawing for the unit to determine weather the height of the sediment pile off the bottom of the sump floor exceeds 75% of the total height of isolated sump.

Cleaning

Cleaning of a CDS systems should be done during dry weather conditions when no flow is entering the system. The use of a vacuum truck is generally the most effective and convenient method of removing pollutants from the system. Simply remove the manhole covers and insert the vacuum hose into the sump. The system should be completely drained down and the sump fully evacuated of sediment. The area outside the screen should also be cleaned out if pollutant build-up exists in this area.

In installations where the risk of petroleum spills is small, liquid contaminants may not accumulate as quickly as sediment. However, the system should be cleaned out immediately in the event of an oil or gasoline spill should be cleaned out immediately. Motor oil and other hydrocarbons that accumulate on a more routine basis should be removed when an appreciable layer has been captured. To remove these pollutants, it may be preferable to use absorbent pads since they are usually less expensive to dispose than the oil/water emulsion that may be created by vacuuming the oily layer. Trash and debris can be netted out to separate it from the other pollutants. The screen should be power washed to ensure it is free of trash and debris.

Manhole covers should be securely seated following cleaning activities to prevent leakage of runoff into the system from above and also to ensure that proper safety precautions have been followed. Confined space entry procedures need to be followed if physical access is required. Disposal of all material removed from the CDS system should be done in accordance with local regulations. In many jurisdictions, disposal of the sediments may be handled in the same manner as the disposal of sediments removed from catch basins or deep sump manholes.



CDS Model	Diameter		Distance from Water Surface to Top of Sediment Pile		Sediment Storage Capacity	
	ft	m	ft	m	y^3	m^3
CDS1515	3	0.9	3.0	0.9	0.5	0.4
CDS2015	4	1.2	3.0	0.9	0.9	0.7
CDS2015	5	1.3	3.0	0.9	1.3	1.0
CDS2020	5	1.3	3.5	1.1	1.3	1.0
CDS2025	5	1.3	4.0	1.2	1.3	1.0
CDS3020	6	1.8	4.0	1.2	2.1	1.6
CDS3025	6	1.8	4.0	1.2	2.1	1.6
CDS3030	6	1.8	4.6	1.4	2.1	1.6
CDS3035	6	1.8	5.0	1.5	2.1	1.6
CDS4030	8	2.4	4.6	1.4	5.6	4.3
CDS4040	8	2.4	5.7	1.7	5.6	4.3
CDS4045	8	2.4	6.2	1.9	5.6	4.3
CDS5640	10	3.0	6.3	1.9	8.7	6.7
CDS5653	10	3.0	7.7	2.3	8.7	6.7
CDS5668	10	3.0	9.3	2.8	8.7	6.7
CDS5678	10	3.0	10.3	3.1	8.7	6.7

Table 1: CDS Maintenance Indicators and Sediment Storage Capacities



Support

- Drawings and specifications are available at www.contechstormwater.com.
- Site-specific design support is available from our engineers.

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CDS Inspection & Maintenance Log

CDS Model: _____ Location: _____

Date	Water depth to sediment[1]	Floatable Layer Thickness[2]	Describe Maintenance Performed	Maintenance Personnel	Comments

1. The water depth to sediment is determined by taking two measurements with a stadia rod: one measurement from the manhole opening to the top of the sediment pile and the other from the manhole opening to the water surface. If the difference between these measurements is less than the values listed in table 1 the system should be cleaned out. **Note: to avoid underestimating the volume of sediment in the chamber, the measuring device must be carefully lowered to the top of the sediment pile.**

2. For optimum performance, the system should be cleaned out when the floating hydrocarbon layer accumulates to an appreciable thickness. In the event of an oil spill, the system should be cleaned immediately.

APPENDIX G

CONTRACTOR'S & OWNER'S CERTIFICATION

JMC Project 21090
Letchworth Road Residential Development
Letchworth Village Road
Haverstraw, New York

OWNER'S CERTIFICATION

"I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that the Notice of Intent (NOI) and corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting the NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting the NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which the NOI is being submitted."

Company Name: _____

Address: _____

Telephone Number: _____

Name and Title: _____

Signature: _____ Date: _____

Permit Identification No.:_____

JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC | JMC Site Development Consultants, LLC
120 BEDFORD ROAD | ARMONK, NY 10504 | 914.273.5225 | MAIL@JMCPLLC.COM | JMCPLLC.COM

JMC Project 21090
Letchworth Road Residential Development
Letchworth Village Road
Haverstraw, New York

CONTRACTOR'S CERTIFICATION

"I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the qualified inspector during a site inspection. I also understand that the owner or operator must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

Company Name: _____

Address: _____

Telephone Number: _____

Name and Title: _____

Signature: _____Date: _____

Permit Identification No.:_____

Name and Title of Trained Contractor:_____

Elements of the SWPPP Contractor is responsible for:_____

JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC | JMC Site Development Consultants, LLC
120 BEDFORD ROAD | ARMONK, NY 10504 | 914.273.5225 | MAIL@JMCPLLC.COM | JMCPLLC.COM

APPENDIX H

TEMPORARY SEDIMENT BASIN DESIGN SHEETS

TEMPORARY SEDIMENT BASIN DESIGN DATA SHEET

Computed by CDF Date 07/03/2025 Checked by _____ Date _____

Project Letchworth Road Residential Development Basin # TSB-1B

Location Letchworth Village Road, Haverstraw, NY Total Area draining to basin (≤50 Ac.) 5.24 Acres

BASIN SIZE DESIGN

1. Sediment storage zone volume = 1,000 cu. ft. x number of disturbed acres (5.24) = 5,240 cu. ft., Top of Zone Elev. 425.70
2. Dewatering zone volume = 3,600 cu. ft. x number of drainage area acres = 18,864 cu. ft., Top of Zone Elev. 428.55
3. Length to width ratio = 115.36 L : 57.76 W = 2.00
4. A. Cleanout at 50% of sediment storage zone volume, Elev. 425.11
   B. Distance below top of riser 2.89 feet
5. Minimum surface area is larger of 0.01 $Q_{(10)}$ 0.25 (Q_{10}=25.00) or, 0.015 DA = 0.08 use 0.25 acres

DESIGN OF SPILLWAYS & ELEVATIONS

Runoff

6. $Q_{p(10)}$ = 25.00 cfs (Attach runoff computation sheets)

Pipe Spillway (Q_{ps})

7. Min. pipe spillway cap., Q_{ps} = 0.2 x 5.24 Drainage Area, acres = 1.05 cfs
   Note: If there is no emergency spillway, then required Q_{ps} = $Q_{p(10)}$ = N/A cfs.
8. H, head = 4.38 ft. Barrel length = 100.38 ft
9. Barrel: Diam. 15 inches; Q_{ps} = (Q) 1.05 x (cor.fac.) 0.91 = 0.96 cfs.
10. Riser: Diam. 15 inches; Length 4 ft.; h = 0.20 ft. Crest Elev. 428
11. Trash Rack: Diameter = 21 inches; H, height = 7 inches

Emergency Spillway Design

12. Emergency Spillway Flow, Q_{es} = Q_p - Q_{ps} = 25.00 - 0.58 = 24.42 cfs.
13. Width 20 ft.; H_p 0.79 ft Crest elevation 429.00; Design High Water Elev. 429.63
    Entrance channel slope 33.33 % ; Top of Dam Elev. 430.00
    Exit channel slope - %

ANTI-SEEP COLLAR/SEEPAGE DIAPHRAGM DESIGN

Collars: N/A

14. y = _____ft.; z = _____:1; pipe slope = _____%, L_s = _____ft.
    Use _____ collars, _____ x _____ feet square; projection = _____ft.

Diaphragms: N/A

#_____ width_____ ft. height _____ft.

DEWATERING ORIFICE SIZING

(Determined from the Dewatering Device Standard)

15. Dewatering orifice diameter = 4 inches. Skimmer X or Riser ____ (check one)
16. Design dewatering time 2 days (Min. 2 days required)

Figure 5.12
Pipe Flow Chart; "n" = 0.013 (USDA - NRCS)

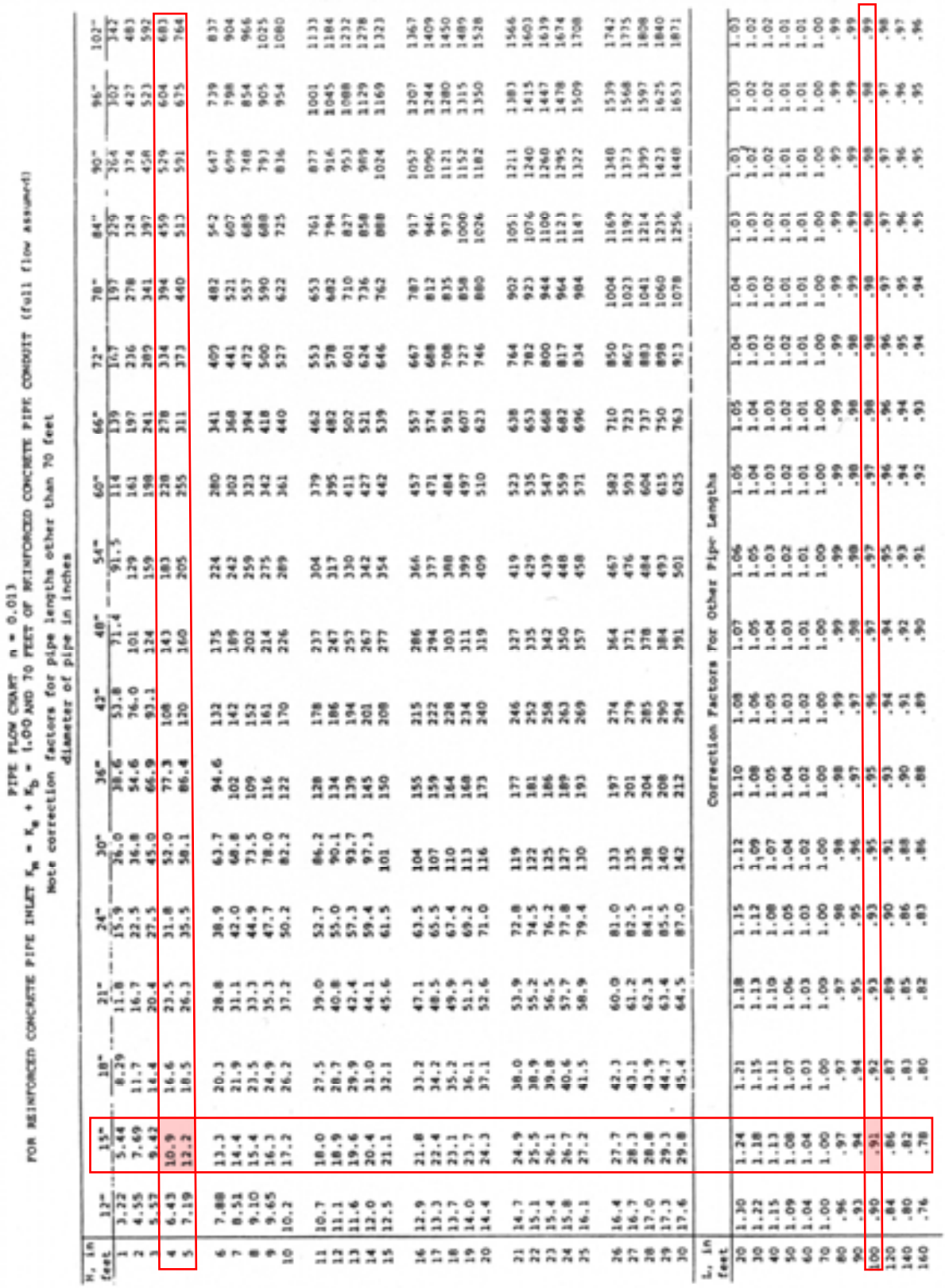
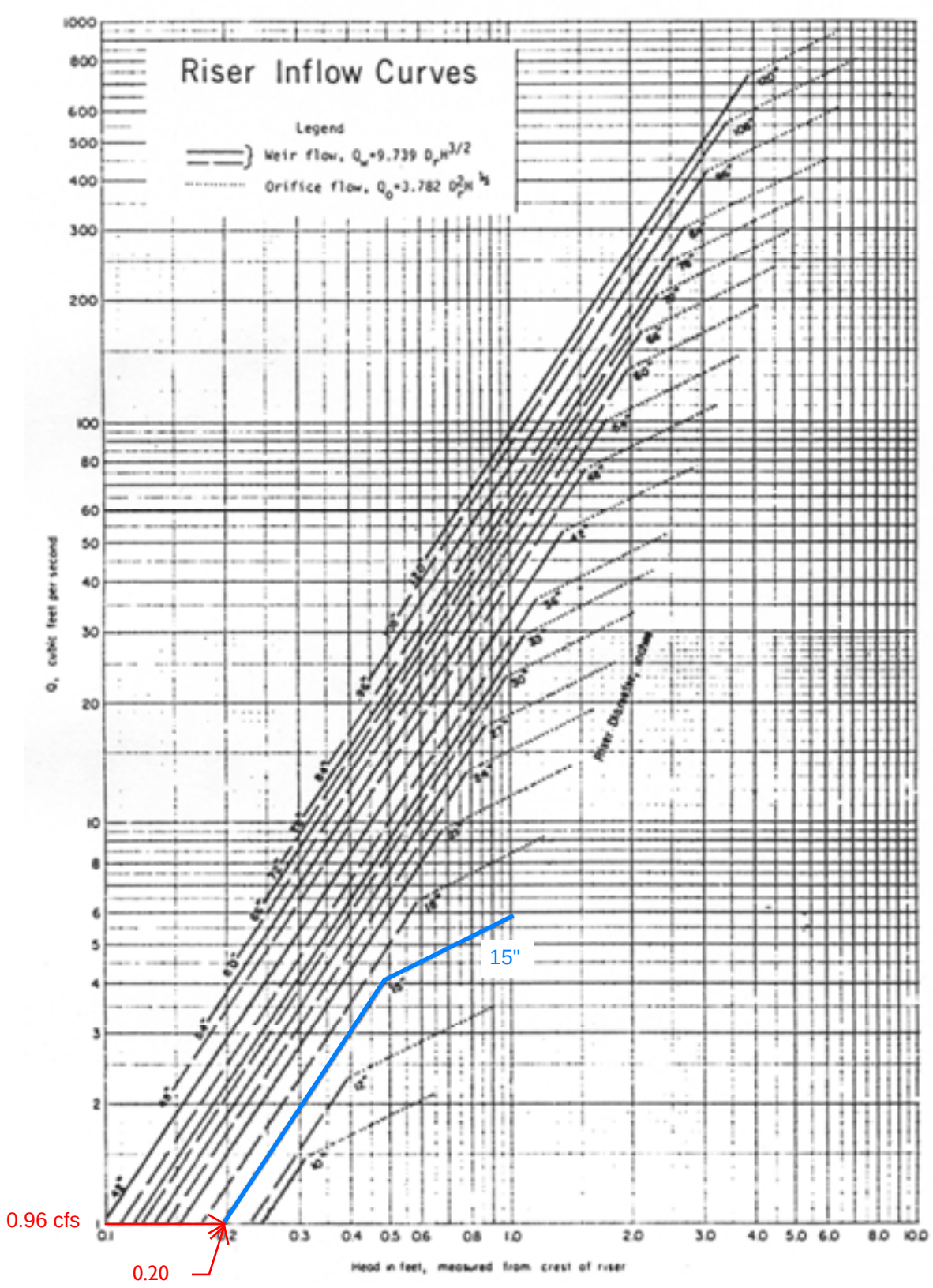


Figure 5.10
Riser Inflow Chart (USDA - NRCS)



Therefore, the minimum A_o formula for 48 hrs. reduces to:

$$A_o = \frac{A_s \times 2h^{0.5}}{588{,}326}$$

Material Specifications

1. Skimmer Devices - These devices shall be constructed with Schedule 40 PVC pipe with diameters of 4 to 6 inches. The flexible arm shall be equal diameter of non -perforated, corrugated, plastic tubing.

2. Riser-pipe Devices - These devices shall be constructed of Schedule 40 PVC if plastic pipe is used or galvanized corrugated steel or aluminum pipe. The minimum diameter shall be 6 inches if the device is used in conjunction with another permanent riser. All perforations will be at the interior of the corrugations.

Maintenance

1. Dewatering devices shall be inspected weekly and after each runoff event.

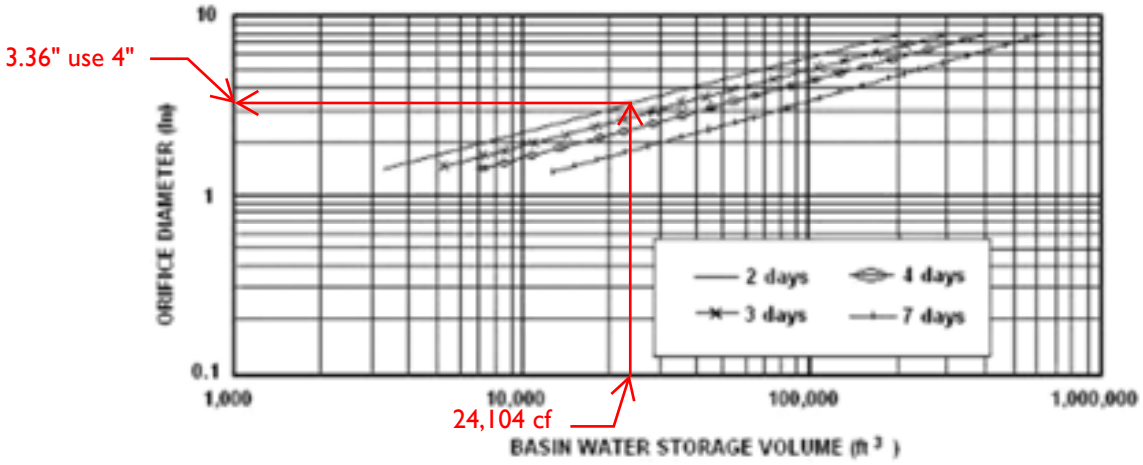
2. Filter fabric or media will be replaced as needed.

3. Any malfunctioning skimmer or its components shall be repaired or replaced within 24 hours of inspection notification.

4. Sediment shall be removed from the system when it reaches the level marked in a sediment cleanout stake or the top of the skimmer landing area.

5. The structure shall only be removed when the tributary area has been properly stabilized.

Figure 5.3 - Skimmer Orifice Design Chart



* Figure adapted from Penn State Agricultural and Biological Fact Sheet F-253

Notes:

1. Figure 5.3 is for use in designing the orifice plate for the skimmer shown in Figure 5.4. It assumes 3" to 5" head (depending upon the size of the skimmer). The required head for use of Figure 5.3 varies as follows: For a skimmer with a dewatering tube ≤ 2 1/2" diameter, use a 2" head. For a 3" diameter tube, use a 2.5" head; 4" tube, use 3.3" head, 5" tube use 4" head, and 6" diameter tube use 5" head.

2. Find the vertical line representing the basin's dewatering zone volume. At the intersection of the vertical line with the desired dewatering time, read horizontally to the left to find the required skimmer orifice diameter.

Figure 5.21
Design Table for Vegetated Earth Spillways in Very Erodible Soils, K = 0.36 - 0.80, Side Slopes = 3:1

(USDA - NRCS)

Discharge Q CFS	Slope Range		Bottom Width Feet	Stage Feet
	Minimum Percent	Maximum Percent		
10	3.5	4.7	8	.68
15	3.4	4.4	12	.69
	3.4	5.9	16	.60
20	3.3	3.3	12	.80
	3.3	4.1	16	.70
	3.5	5.3	20	.62
25	3.3	3.3	16	.79
	3.3	4.0	20	.70
	3.5	4.9	24	.64
30	3.3	3.3	20	.78
	3.3	4.0	24	.71
	3.4	4.7	28	.65
	3.4	5.5	32	.61
35	3.2	3.2	24	.77
	3.3	3.9	28	.71
	3.5	4.6	32	.66
	3.5	5.2	36	.62
40	3.3	3.3	28	.76
	3.4	3.8	32	.71
	3.4	4.4	36	.67
	3.4	5.0	40	.64
45	3.3	3.3	32	.76
	3.4	3.8	36	.71
	3.4	4.3	40	.67
	3.4	4.8	44	.64
50	3.3	3.3	36	.75
	3.3	3.8	40	.71
	3.3	4.3	44	.68
60	3.2	3.2	44	.75
	3.2	3.7	48	.72
70	3.3	3.3	52	.75
80	3.1	3.1	56	.78

TEMPORARY SEDIMENT BASIN DESIGN DATA SHEET

Computed by CDF Date 07/07/2025 Checked by _____ Date _____

Project Letchworth Road Residential Development Basin # TSB-1D

Location Letchworth Village Road, Haverstraw, NY Total Area draining to basin (≤50 Ac.) 5.29 Acres

BASIN SIZE DESIGN

5.29

1. Sediment storage zone volume = 1,000 cu. ft. x number of disturbed acres = 5,290 cu. ft., Top of Zone Elev. 440.41
2. Dewatering zone volume = 3,600 cu. ft. x number of drainage area acres = 19,044 cu. ft., Top of Zone Elev. 441.88
3. Length to width ratio = 170.4 L : 83.39 W = 2.04
4. A. Cleanout at 50% of sediment storage zone volume, Elev. 440.21
   B. Distance below top of riser 3.79 feet
5. Minimum surface area is larger of 0.01 $Q_{(10)}$ 0.25 or, 0.015 DA = 0.08 use 0.25 acres

Q_{10} = 25.26

DESIGN OF SPILLWAYS & ELEVATIONS

Runoff

6. $Q_{p(10)}$ = 25.26 cfs (Attach runoff computation sheets)

Pipe Spillway (Q_{ps})

7. Min. pipe spillway cap., Q_{ps} = 0.2 x 5.29 Drainage Area, acres = 1.06 cfs
   Note: If there is no emergency spillway, then required $Q_{ps} = Q_{p(10)}$ = N/A cfs.
8. H, head = 23.28 ft. Barrel length = 125.97 ft
9. Barrel: Diam. 15 inches; Q_{ps} = (Q) 1.06 x (cor.fac.) 0.85 = 0.61 cfs.
10. Riser: Diam. 15 inches; Length 4 ft.; h = 0.20 ft. Crest Elev. 444.00
11. Trash Rack: Diameter = 21 inches; H, height = 7 inches

Emergency Spillway Design

12. Emergency Spillway Flow, $Q_{es} = Q_p - Q_{ps}$ = 25.26 - 0.61 = 24.65 cfs.
13. Width 16 ft.; H_p 0.79 ft Crest elevation 445.00; Design High Water Elev. 443.37
    Entrance channel slope 33.3 % ; Top of Dam Elev. 446.00
    Exit channel slope 33.3 %

ANTI-SEEP COLLAR/SEEPAGE DIAPHRAGM DESIGN

Collars:

14. y = 4 ft.; z = 3 :1; pipe slope = 14.21 %, L_s = 64.87 ft.
    Use 2 collars, 6.77 x 6.77 feet square; projection = 2.36 ft.

Diaphragms: N/A

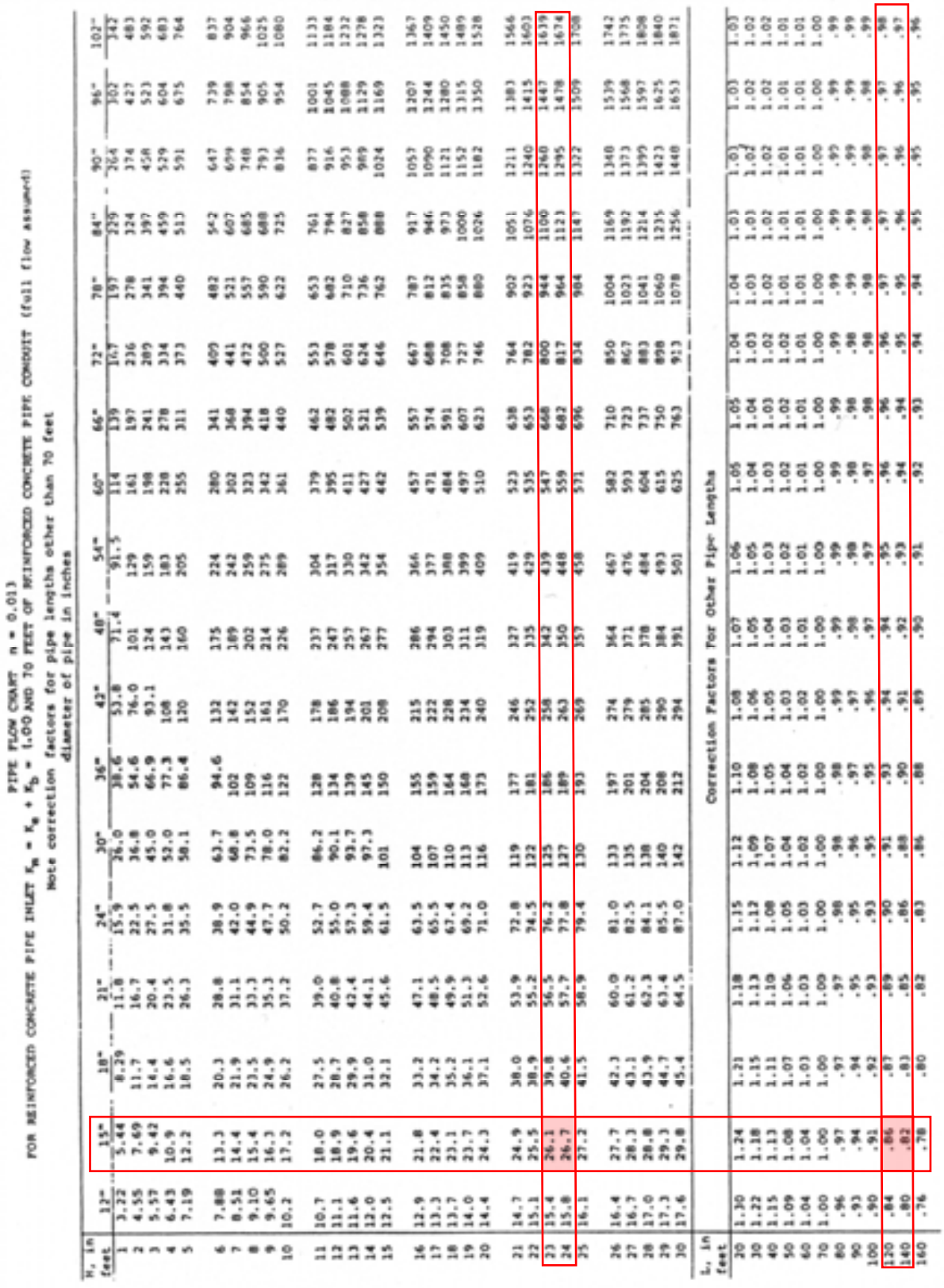
#_____ width_____ ft. height _____ft.

DEWATERING ORIFICE SIZING

(Determined from the Dewatering Device Standard)

15. Dewatering orifice diameter = 4 inches. Skimmer X or Riser ____ (check one)
16. Design dewatering time 2 days (Min. 2 days required)

Figure 5.12
Pipe Flow Chart; "n" = 0.013 (USDA - NRCS)



PIPE FLOW CHART n = 0.013
FOR REINFORCED CONCRETE PIPE INLET K_m = K_e + K_b = 1.00 AND 70 FEET OF REINFORCED CONCRETE PIPE CONDUIT (full flow assumed)
Note correction factors for pipe lengths other than 70 feet

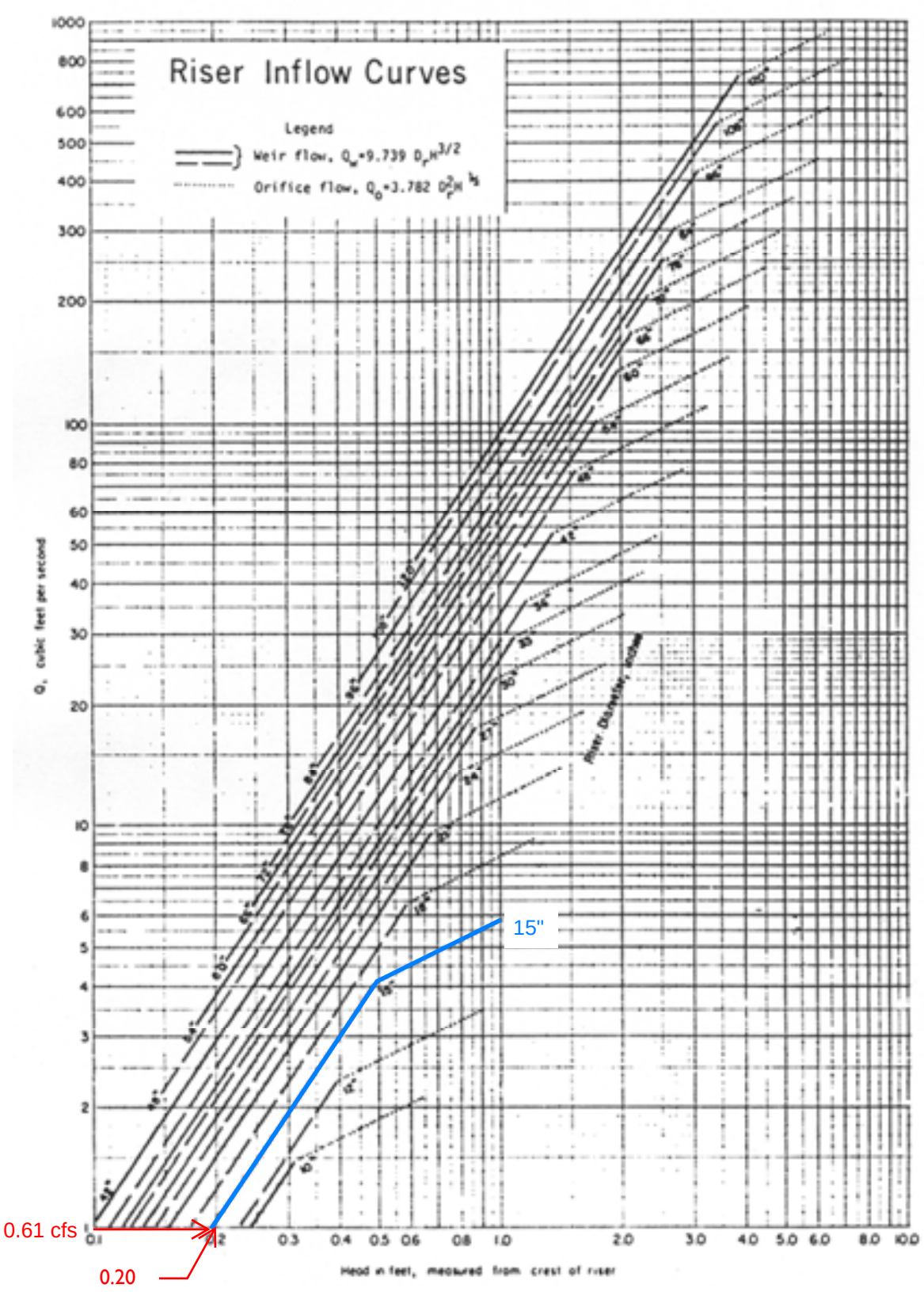
H, in feet	12"	15"	18"	21"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"
1	3.22	5.44	8.29	11.8	15.9	26.0	38.6	53.8	71.4	91.5	114	139	167	197	229	264	302	342
2	4.55	7.69	11.7	16.7	22.5	36.8	54.6	76.0	101	129	161	197	236	278	324	374	427	483
3	5.57	9.42	14.4	20.4	27.5	45.0	66.9	93.1	124	159	198	241	289	341	397	458	523	592
4	6.43	10.9	16.6	23.5	31.8	52.0	77.3	108	143	183	228	278	334	394	459	529	604	683
5	7.19	12.2	18.5	26.3	35.5	58.1	86.4	120	160	205	255	311	373	440	513	591	675	764
6	7.88	13.3	20.3	28.8	38.9	63.7	94.6	132	175	224	280	341	409	482	562	647	739	837
7	8.51	14.4	21.9	31.1	42.0	68.8	102	142	189	242	302	368	441	521	607	699	798	904
8	9.10	15.4	23.5	33.3	44.9	73.5	109	152	202	259	323	394	472	557	685	748	854	966
9	9.65	16.3	24.9	35.3	47.7	78.0	116	161	214	275	342	418	500	590	688	793	905	1025
10	10.2	17.2	26.2	37.2	50.2	82.2	122	170	226	289	361	440	527	622	725	836	954	1080
11	10.7	18.0	27.5	39.0	52.7	86.2	128	178	237	304	379	462	553	653	761	877	1001	1133
12	11.1	18.9	28.7	40.8	55.0	90.1	134	186	247	317	395	482	578	682	794	916	1045	1184
13	11.6	19.6	29.9	42.4	57.3	93.7	139	194	257	330	411	502	601	710	827	953	1088	1232
14	12.0	20.4	31.0	44.1	59.4	97.3	145	201	267	342	427	521	624	736	858	989	1129	1278
15	12.5	21.1	32.1	45.6	61.5	101	150	208	277	354	442	539	646	762	888	1024	1169	1323
16	12.9	21.8	33.2	47.1	63.5	104	155	215	286	366	457	557	667	787	917	1057	1207	1367
17	13.3	22.4	34.2	48.5	65.5	107	159	222	294	377	471	574	688	812	946	1090	1244	1409
18	13.7	23.1	35.2	49.9	67.4	110	164	228	303	388	484	591	708	835	973	1121	1280	1450
19	14.0	23.7	36.1	51.3	69.2	113	168	234	311	399	497	607	727	858	1000	1152	1315	1489
20	14.4	24.3	37.1	52.6	71.0	116	173	240	319	409	510	623	746	880	1026	1182	1350	1528
21	14.7	24.9	38.0	53.9	72.8	119	177	246	327	419	523	638	764	902	1051	1211	1383	1566
22	15.1	25.5	38.9	55.2	74.5	122	181	252	335	429	535	653	782	923	1076	1240	1415	1603
23	15.4	26.1	39.8	56.5	76.2	125	186	258	342	439	547	668	800	944	1100	1268	1447	1639
24	15.8	26.7	40.6	57.7	77.8	127	189	263	350	448	559	682	817	964	1123	1295	1478	1674
25	16.1	27.2	41.5	58.9	79.4	130	193	269	357	458	571	696	834	984	1147	1322	1509	1708
26	16.4	27.7	42.3	60.0	81.0	133	197	274	364	467	582	710	850	1004	1169	1348	1539	1742
27	16.7	28.3	43.1	61.2	82.5	135	201	279	371	476	593	723	867	1023	1192	1373	1568	1775
28	17.0	28.8	43.9	62.3	84.1	138	204	285	378	484	604	737	883	1041	1214	1399	1597	1808
29	17.3	29.3	44.7	63.4	85.5	140	208	290	384	493	615	750	898	1060	1235	1423	1625	1840
30	17.6	29.8	45.4	64.5	87.0	142	212	294	391	501	625	763	913	1078	1256	1448	1653	1871

L, in feet	Correction Factors for Other Pipe Lengths																	
20	1.30	1.24	1.21	1.18	1.15	1.12	1.10	1.08	1.07	1.06	1.05	1.05	1.04	1.04	1.03	1.03	1.03	1.03
30	1.22	1.18	1.15	1.13	1.12	1.09	1.08	1.06	1.05	1.05	1.04	1.04	1.03	1.03	1.03	1.02	1.02	1.02
40	1.15	1.13	1.11	1.10	1.08	1.07	1.05	1.05	1.04	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.02	1.02
50	1.09	1.08	1.07	1.06	1.05	1.04	1.04	1.03	1.03	1.02	1.02	1.02	1.02	1.02	1.01	1.01	1.01	1.01
60	1.04	1.04	1.03	1.03	1.03	1.02	1.02	1.02	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
70	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
80	.96	.97	.97	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
90	.93	.94	.95	.95	.96	.97	.97	.98	.98	.98	.98	.98	.98	.99	.99	.99	.99	.99
100	.90	.91	.92	.93	.93	.95	.95	.96	.97	.97	.97	.98	.98	.98	.98	.98	.98	.99
120	.84	.86	.87	.89	.90	.91	.93	.94	.94	.95	.96	.96	.96	.97	.97	.97	.97	.98
140	.80	.82	.83	.85	.86	.88	.90	.91	.92	.93	.94	.94	.95	.95	.96	.96	.96	.97
160	.76	.78	.80	.82	.83	.86	.88	.89	.90	.91	.92	.93	.94	.94	.95	.95	.95	.96

PIPE LENGTH = 125.97
INTERPOLATING BETWEEN 120' AND 140' = 0.85

H, Head = 23.28'
INTERPOLATING BETWEEN 23' AND 24' = 26.27

Figure 5.10
Riser Inflow Chart (USDA - NRCS)



Therefore, the minimum A_o formula for 48 hrs. reduces to:

$$A_o = \frac{A_s \times 2h^{0.5}}{588{,}326}$$

Material Specifications

1. Skimmer Devices - These devices shall be constructed with Schedule 40 PVC pipe with diameters of 4 to 6 inches. The flexible arm shall be equal diameter of non-perforated, corrugated, plastic tubing.

2. Riser-pipe Devices - These devices shall be constructed of Schedule 40 PVC if plastic pipe is used or galvanized corrugated steel or aluminum pipe. The minimum diameter shall be 6 inches if the device is used in conjunction with another permanent riser. All perforations will be at the interior of the corrugations.

Maintenance

1. Dewatering devices shall be inspected weekly and after each runoff event.

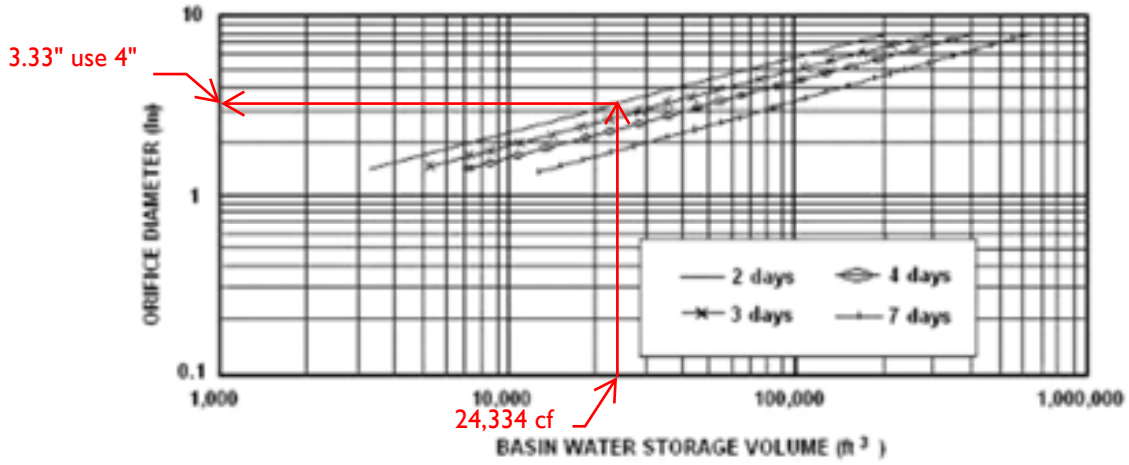
2. Filter fabric or media will be replaced as needed.

3. Any malfunctioning skimmer or its components shall be repaired or replaced within 24 hours of inspection notification.

4. Sediment shall be removed from the system when it reaches the level marked in a sediment cleanout stake or the top of the skimmer landing area.

5. The structure shall only be removed when the tributary area has been properly stabilized.

Figure 5.3 - Skimmer Orifice Design Chart



* Figure adapted from Penn State Agricultural and Biological Fact Sheet F-253

Notes:

1. Figure 5.3 is for use in designing the orifice plate for the skimmer shown in Figure 5.4. It assumes 3" to 5" head (depending upon the size of the skimmer). The required head for use of Figure 5.3 varies as follows: For a skimmer with a dewatering tube ≤ 2 1/2" diameter, use a 2" head. For a 3" diameter tube, use a 2.5" head; 4" tube, use 3.3" head, 5" tube use 4" head, and 6" diameter tube use 5" head.

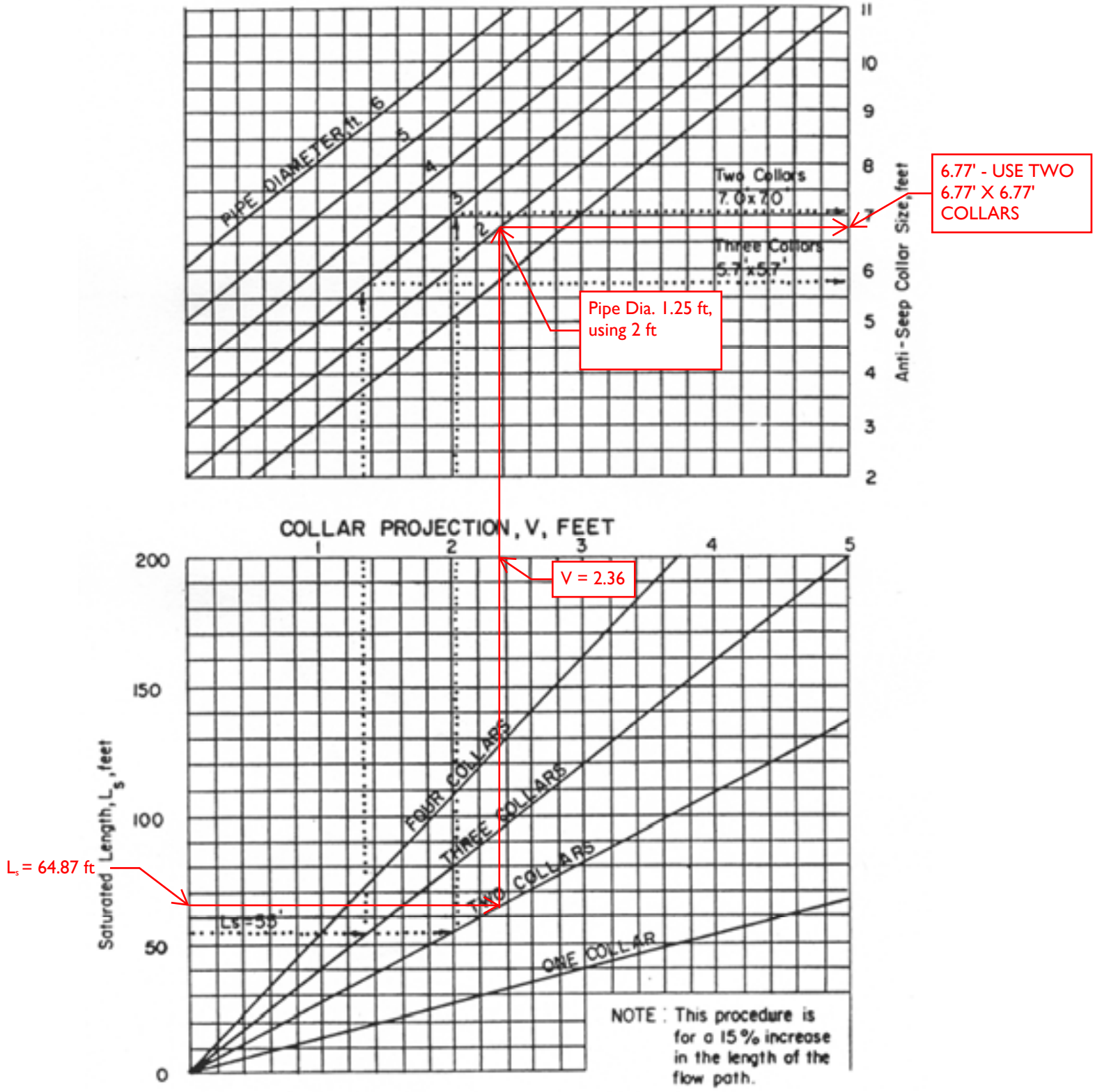
2. Find the vertical line representing the basin's dewatering zone volume. At the intersection of the vertical line with the desired dewatering time, read horizontally to the left to find the required skimmer orifice diameter.

Figure 5.21
Design Table for Vegetated Earth Spillways in Very Erodible Soils, K = 0.36 - 0.80, Side Slopes = 3:1

(USDA - NRCS)

Discharge Q CFS	Slope Range		Bottom Width Feet	Stage Feet
	Minimum Percent	Maximum Percent		
10	3.5	4.7	8	.68
15	3.4	4.4	12	.69
	3.4	5.9	16	.60
20	3.3	3.3	12	.80
	3.3	4.1	16	.70
	3.5	5.3	20	.62
25	3.3	3.3	16	.79
	3.3	4.0	20	.70
	3.5	4.9	24	.64
30	3.3	3.3	20	.78
	3.3	4.0	24	.71
	3.4	4.7	28	.65
	3.4	5.5	32	.61
35	3.2	3.2	24	.77
	3.3	3.9	28	.71
	3.5	4.6	32	.66
	3.5	5.2	36	.62
40	3.3	3.3	28	.76
	3.4	3.8	32	.71
	3.4	4.4	36	.67
	3.4	5.0	40	.64
45	3.3	3.3	32	.76
	3.4	3.8	36	.71
	3.4	4.3	40	.67
	3.4	4.8	44	.64
50	3.3	3.3	36	.75
	3.3	3.8	40	.71
	3.3	4.3	44	.68
60	3.2	3.2	44	.75
	3.2	3.7	48	.72
70	3.3	3.3	52	.75
80	3.1	3.1	56	.78

Figure 5.17
Anti-Seep Collar Design Charts (USDA - NRCS)



TEMPORARY SEDIMENT BASIN DESIGN DATA SHEET

Computed by CDF Date 07/07/2025 Checked by _____ Date _____

Project Letchworth Road Residential Development Basin # TSB-2B

Location Letchworth Village Road, Haverstraw, NY Total Area draining to basin (≤50 Ac.) 6.10 Acres

BASIN SIZE DESIGN

6.10

1. Sediment storage zone volume = 1,000 cu. ft. x number of disturbed acres = 6,100 cu. ft., Top of Zone Elev. 433.83
2. Dewatering zone volume = 3,600 cu. ft. x number of drainage area acres = 21,960 cu. ft., Top of Zone Elev. 434.88
3. Length to width ratio = 193.09 L : 92.99 W = 2.08
4. A. Cleanout at 50% of sediment storage zone volume, Elev. 433.67
   B. Distance below top of riser 1.33 feet
5. Minimum surface area is larger of 0.01 $Q_{(10)}$ 0.29 or, 0.015 DA = 0.09 use 0.29 acres

Q_{10} = 29.12

DESIGN OF SPILLWAYS & ELEVATIONS

Runoff

6. $Q_{p(10)}$ = 29.12 cfs (Attach runoff computation sheets)

Pipe Spillway (Q_{ps})

7. Min. pipe spillway cap., Q_{ps} = 0.2 x 6.10 Drainage Area, acres = 1.22 cfs
   Note: If there is no emergency spillway, then required $Q_{ps} = Q_{p(10)}$ = NA cfs.
8. H, head = 8.25 ft. Barrel length = 46.2 ft
9. Barrel: Diam. 15 inches; Q_{ps} = (Q) 1.22 x (cor.fac.) 1.10 = 1.34 cfs.
10. Riser: Diam. 15 inches; Length 1.5 ft.; h = 0.23 ft. Crest Elev. 435.00
11. Trash Rack: Diameter = 21 inches; H, height = 7 inches

Emergency Spillway Design

12. Emergency Spillway Flow, $Q_{es} = Q_p - Q_{ps}$ = 29.12 - 1.64 = 27.48 cfs.
13. Width 20 ft.; H_p 0.78 ft Crest elevation 435.00; Design High Water Elev. 435.58
    Entrance channel slope 33.3 % ; Top of Dam Elev. 436.00
    Exit channel slope 33.3 %

ANTI-SEEP COLLAR/SEEPAGE DIAPHRAGM DESIGN

Collars: N/A

14. y = _____ft.; z = _____:1; pipe slope = _____%, L_s = _____ft.
    Use _____ collars, _____ - _____inches square; projection = _____ft.

Diaphragms:

#_____ width_____ ft. height _____ft.

DEWATERING ORIFICE SIZING

(Determined from the Dewatering Device Standard)

15. Dewatering orifice diameter = 4 inches. Skimmer X or Riser ____ (check one)
16. Design dewatering time 2 days (Min. 2 days required)

Figure 5.12
Pipe Flow Chart; "n" = 0.013 (USDA - NRCS)

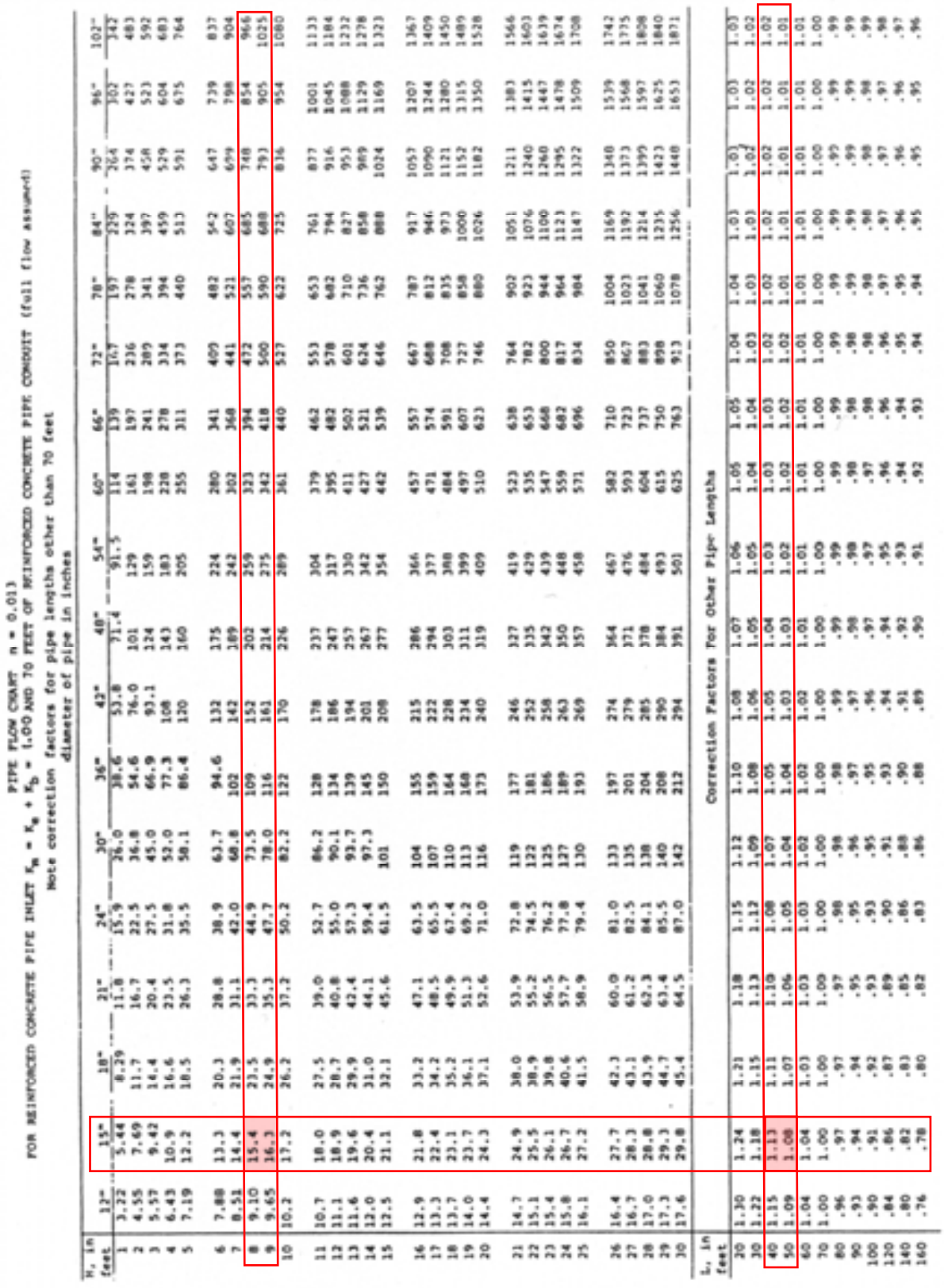
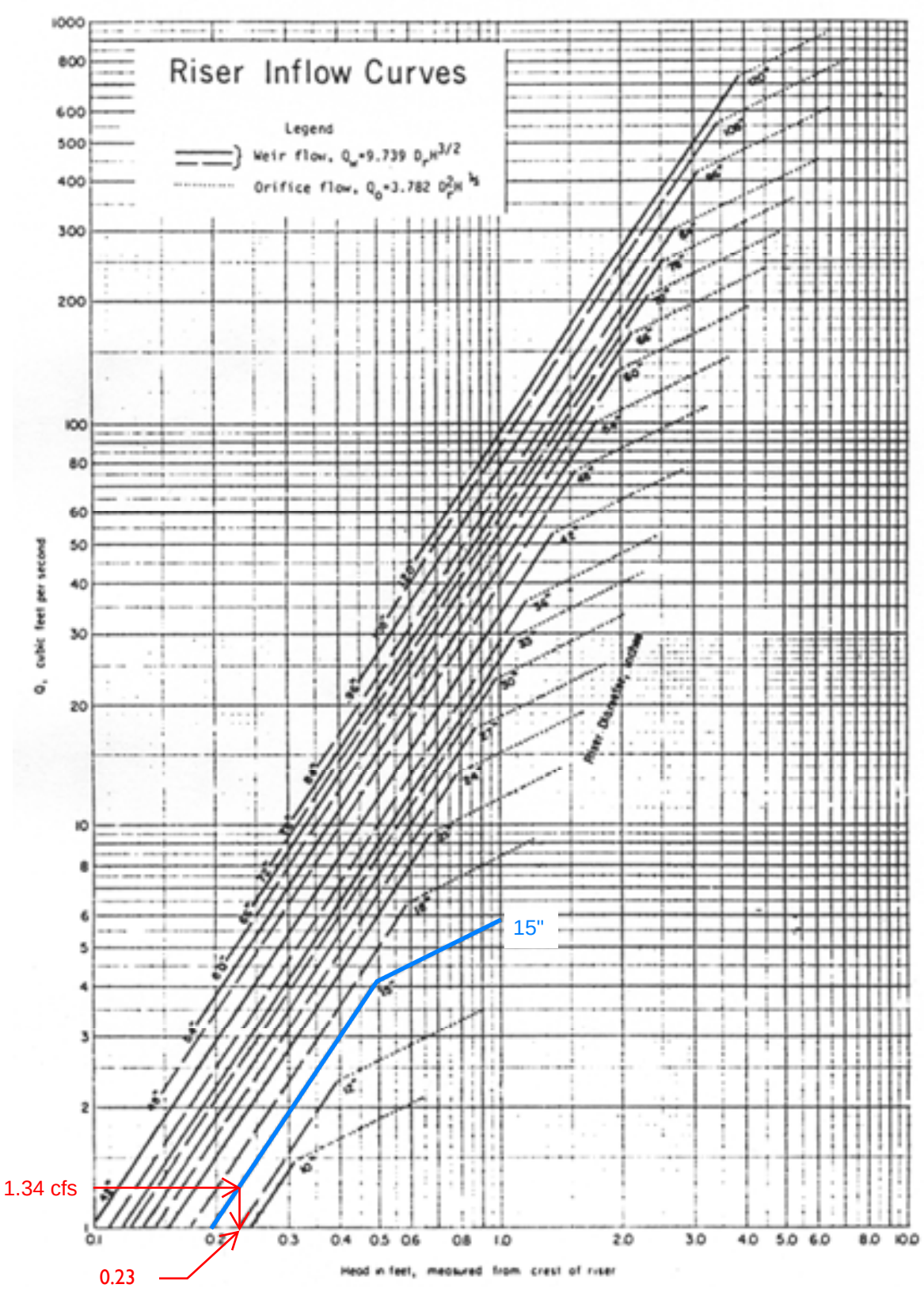


Figure 5.10
Riser Inflow Chart (USDA - NRCS)



Therefore, the minimum A_o formula for 48 hrs. reduces to:

$$A_o = \frac{A_s \times 2h^{0.5}}{588{,}326}$$

Material Specifications

1. Skimmer Devices - These devices shall be constructed with Schedule 40 PVC pipe with diameters of 4 to 6 inches. The flexible arm shall be equal diameter of non -perforated, corrugated, plastic tubing.

2. Riser-pipe Devices - These devices shall be constructed of Schedule 40 PVC if plastic pipe is used or galvanized corrugated steel or aluminum pipe. The minimum diameter shall be 6 inches if the device is used in conjunction with another permanent riser. All perforations will be at the interior of the corrugations.

Maintenance

1. Dewatering devices shall be inspected weekly and after each runoff event.

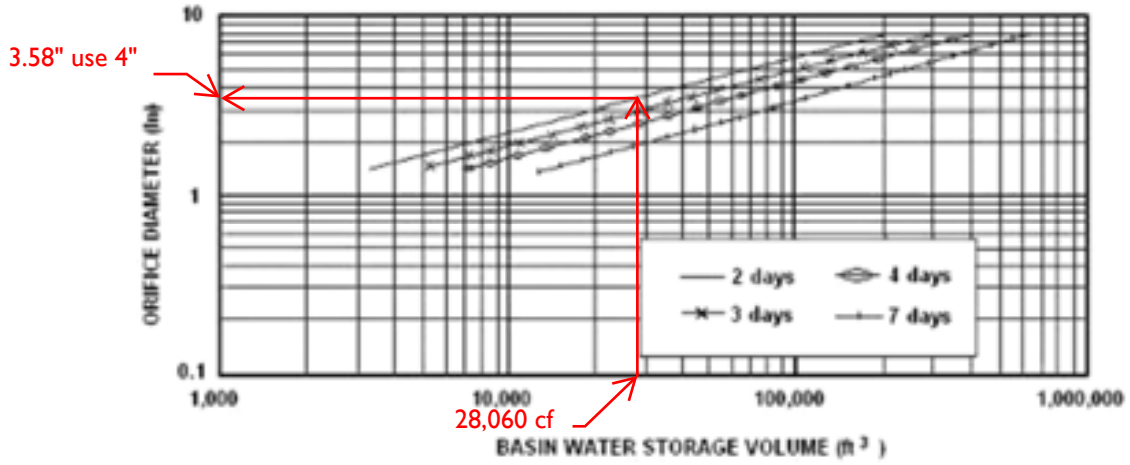
2. Filter fabric or media will be replaced as needed.

3. Any malfunctioning skimmer or its components shall be repaired or replaced within 24 hours of inspection notification.

4. Sediment shall be removed from the system when it reaches the level marked in a sediment cleanout stake or the top of the skimmer landing area.

5. The structure shall only be removed when the tributary area has been properly stabilized.

Figure 5.3 - Skimmer Orifice Design Chart



* Figure adapted from Penn State Agricultural and Biological Fact Sheet F-253

Notes:

1. Figure 5.3 is for use in designing the orifice plate for the skimmer shown in Figure 5.4. It assumes 3" to 5" head (depending upon the size of the skimmer). The required head for use of Figure 5.3 varies as follows: For a skimmer with a dewatering tube ≤ 2 1/2" diameter, use a 2" head. For a 3" diameter tube, use a 2.5" head; 4" tube, use 3.3" head, 5" tube use 4" head, and 6" diameter tube use 5" head.

2. Find the vertical line representing the basin's dewatering zone volume. At the intersection of the vertical line with the desired dewatering time, read horizontally to the left to find the required skimmer orifice diameter.

Figure 5.21
Design Table for Vegetated Earth Spillways in Very Erodible Soils, K = 0.36 - 0.80, Side Slopes = 3:1
(USDA - NRCS)

Discharge Q CFS	Slope Range		Bottom Width Feet	Stage Feet
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	3.5	5.3	20	.62
25	3.3	3.3	16	.79
	3.3	4.0	20	.70
	3.5	4.9	24	.64
30	3.3	3.3	20	.78
	3.3	4.0	24	.71
	3.4	4.7	28	.65
	3.4	5.5	32	.61
35	3.2	3.2	24	.77
	3.3	3.9	28	.71
	3.5	4.6	32	.66
	3.5	5.2	36	.62
40	3.3	3.3	28	.76
	3.4	3.8	32	.71
	3.4	4.4	36	.67
	3.4	5.0	40	.64
45	3.3	3.3	32	.76
	3.4	3.8	36	.71
	3.4	4.3	40	.67
	3.4	4.8	44	.64
50	3.3	3.3	36	.75
	3.3	3.8	40	.71
	3.3	4.3	44	.68
60	3.2	3.2	44	.75
	3.2	3.7	48	.72
70	3.3	3.3	52	.75
80	3.1	3.1	56	.78

TEMPORARY SEDIMENT BASIN DESIGN DATA SHEET

Computed by CDF Date 07/07/2025 Checked by _____ Date _____
Project Letchworth Road Residential Development Basin # TSB-3A
Location Letchworth Village Road, Haverstraw, NY Total Area draining to basin (≤50 Ac.) 5.06 Acres

BASIN SIZE DESIGN

5.06

1. Sediment storage zone volume = 1,000 cu. ft. x number of disturbed acres = 5,060 cu. ft., Top of Zone Elev. 435.87
2. Dewatering zone volume = 3,600 cu. ft. x number of drainage area acres = 19,044 cu. ft., Top of Zone Elev. 437.07
3. Length to width ratio = 253.91 L : 83.45 W = 3.04
4. A. Cleanout at 50% of sediment storage zone volume, Elev. 435.68
   B. Distance below top of riser 1.32 feet
5. Minimum surface area is larger of 0.01 $Q_{(10)}$ 0.24 or, 0.015 DA = 0.08 use 0.24 acres

Q_{10} = 24.18

DESIGN OF SPILLWAYS & ELEVATIONS

Runoff

6. $Q_{p(10)}$ = 24.18 cfs (Attach runoff computation sheets)

Pipe Spillway (Q_{ps})

7. Min. pipe spillway cap., Q_{ps} = 0.2 x 5.06 Drainage Area, acres = 1.01 cfs
   Note: If there is no emergency spillway, then required Q_{ps} = $Q_{p(10)}$ = N/A cfs.
8. H, head = 5.38 ft. Barrel length = 70.85 ft
9. Barrel: Diam. 15 inches; Q_{ps} = (Q) 1.06 x (cor.fac.) 1.00 = 1.06 cfs.
10. Riser: Diam. 15 inches; Length 4 ft.; h = 0.20 ft. Crest Elev. 437.00
11. Trash Rack: Diameter = 21 inches; H, height = 7 inches

Emergency Spillway Design

12. Emergency Spillway Flow, Q_{es} = Q_p - Q_{ps} = 24.18 - 1.06 = 23.12 cfs.
13. Width 20 ft.; H_p 0.79 ft Crest elevation 437.00; Design High Water Elev. 437.61
    Entrance channel slope 33.3 % ; Top of Dam Elev. 438.00
    Exit channel slope 33.3 %

ANTI-SEEP COLLAR/SEEPAGE DIAPHRAGM DESIGN

Collars: N/A

14. y = _____ft.; z = _____:1; pipe slope = _____%, L_s = _____ft.
    Use _____ collars, _____ - _____inches square; projection = _____ft.

Diaphragms:

#_____ width_____ ft. height _____ft.

DEWATERING ORIFICE SIZING

(Determined from the Dewatering Device Standard)

15. Dewatering orifice diameter = 4 inches. Skimmer X or Riser ____ (check one)
16. Design dewatering time 2 days (Min. 2 days required)

Figure 5.12
Pipe Flow Chart; "n" = 0.013 (USDA - NRCS)

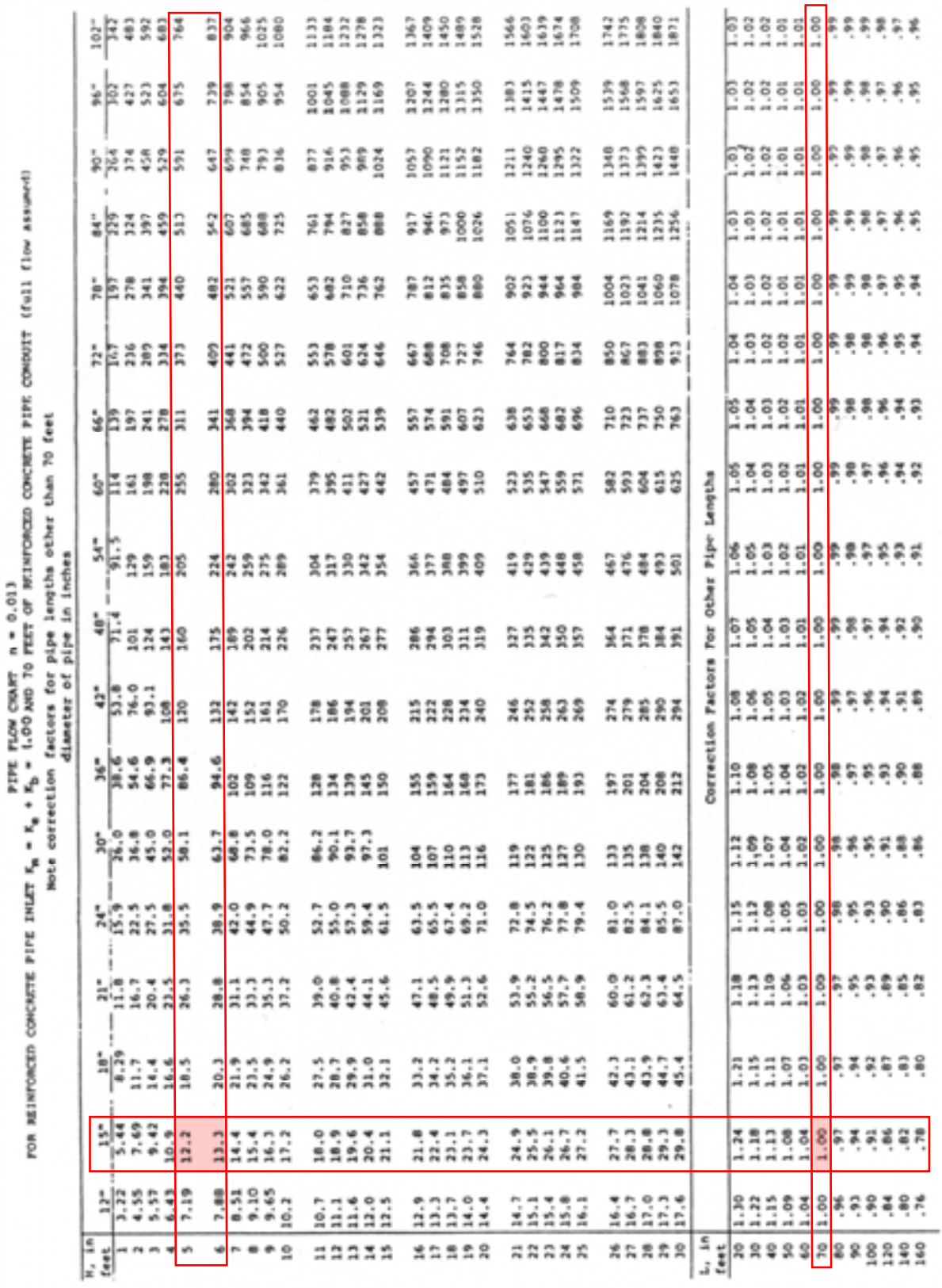
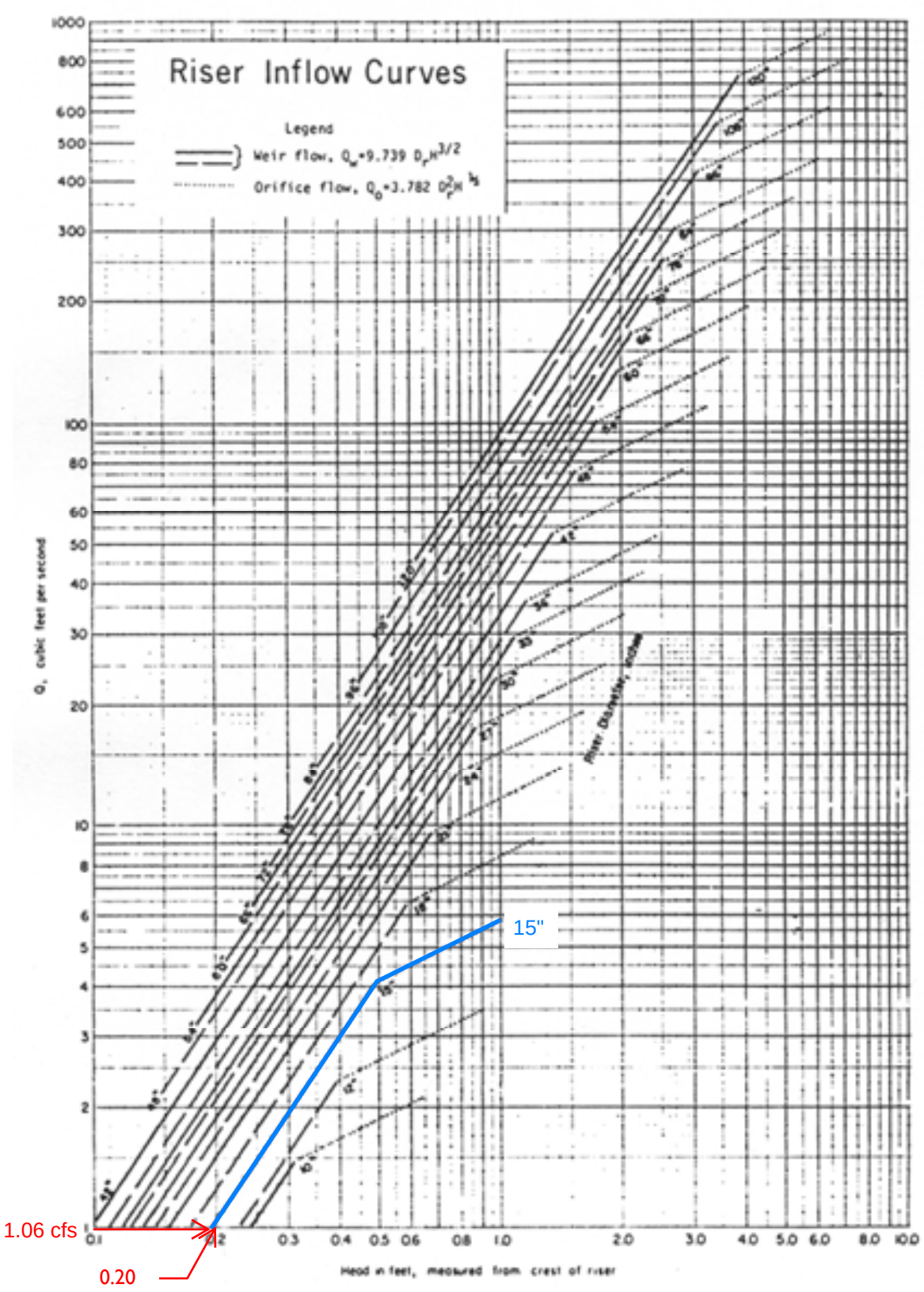


Figure 5.10
Riser Inflow Chart (USDA - NRCS)



Therefore, the minimum A_o formula for 48 hrs. reduces to:

$$A_o = \frac{A_s \times 2h^{0.5}}{588{,}326}$$

Material Specifications

1. Skimmer Devices - These devices shall be constructed with Schedule 40 PVC pipe with diameters of 4 to 6 inches. The flexible arm shall be equal diameter of non -perforated, corrugated, plastic tubing.

2. Riser-pipe Devices - These devices shall be constructed of Schedule 40 PVC if plastic pipe is used or galvanized corrugated steel or aluminum pipe. The minimum diameter shall be 6 inches if the device is used in conjunction with another permanent riser. All perforations will be at the interior of the corrugations.

Maintenance

1. Dewatering devices shall be inspected weekly and after each runoff event.

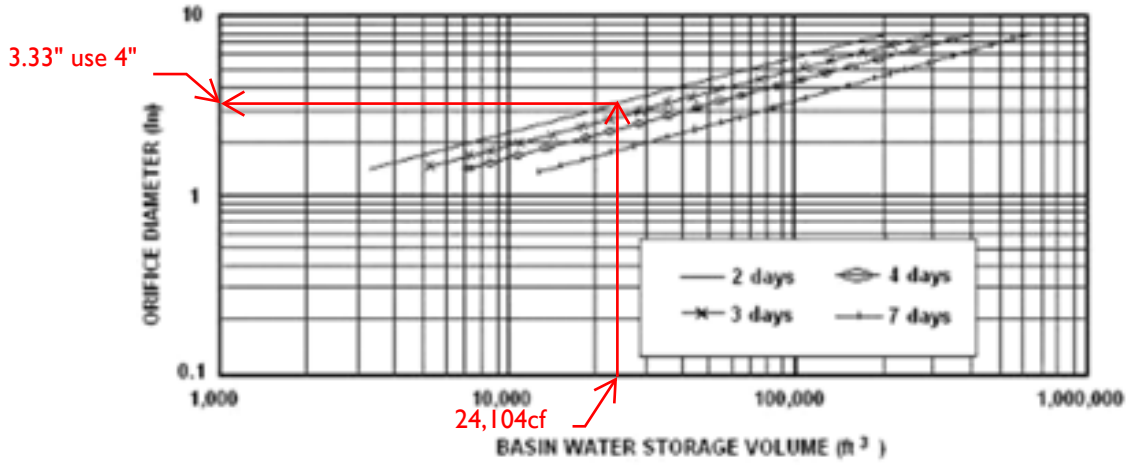
2. Filter fabric or media will be replaced as needed.

3. Any malfunctioning skimmer or its components shall be repaired or replaced within 24 hours of inspection notification.

4. Sediment shall be removed from the system when it reaches the level marked in a sediment cleanout stake or the top of the skimmer landing area.

5. The structure shall only be removed when the tributary area has been properly stabilized.

Figure 5.3 - Skimmer Orifice Design Chart



* Figure adapted from Penn State Agricultural and Biological Fact Sheet F-253

Notes:

1. Figure 5.3 is for use in designing the orifice plate for the skimmer shown in Figure 5.4. It assumes 3" to 5" head (depending upon the size of the skimmer). The required head for use of Figure 5.3 varies as follows: For a skimmer with a dewatering tube ≤ 2 1/2" diameter, use a 2" head. For a 3" diameter tube, use a 2.5" head; 4" tube, use 3.3" head, 5" tube use 4" head, and 6" diameter tube use 5" head.

2. Find the vertical line representing the basin's dewatering zone volume. At the intersection of the vertical line with the desired dewatering time, read horizontally to the left to find the required skimmer orifice diameter.

Figure 5.21
Design Table for Vegetated Earth Spillways in Very Erodible Soils, K = 0.36 - 0.80, Side Slopes = 3:1

(USDA - NRCS)

Discharge Q CFS	Slope Range		Bottom Width Feet	Stage Feet
	Minimum Percent	Maximum Percent		
10	3.5	4.7	8	.68
15	3.4	4.4	12	.69
	3.4	5.9	16	.60
20	3.3	3.3	12	.80
	3.3	4.1	16	.70
	3.5	5.3	20	.62
25	3.3	3.3	16	.79
	3.3	4.0	20	.70
	3.5	4.9	24	.64
30	3.3	3.3	20	.78
	3.3	4.0	24	.71
	3.4	4.7	28	.65
	3.4	5.5	32	.61
35	3.2	3.2	24	.77
	3.3	3.9	28	.71
	3.5	4.6	32	.66
	3.5	5.2	36	.62
40	3.3	3.3	28	.76
	3.4	3.8	32	.71
	3.4	4.4	36	.67
	3.4	5.0	40	.64
45	3.3	3.3	32	.76
	3.4	3.8	36	.71
	3.4	4.3	40	.67
	3.4	4.8	44	.64
50	3.3	3.3	36	.75
	3.3	3.8	40	.71
	3.3	4.3	44	.68
60	3.2	3.2	44	.75
	3.2	3.7	48	.72
70	3.3	3.3	52	.75
80	3.1	3.1	56	.78

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Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
TSB-1B	Post-Development 10 Year Storm	10	74,618.000	12.000	25.00
TSB-1D	Post-Development 10 Year Storm	10	75,406.000	12.000	25.26
TSB-2B	Post-Development 10 Year Storm	10	86,912.000	12.000	29.12
TSB-3A	Post-Development 10 Year Storm	10	72,183.000	12.000	24.18

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DP-1	Post-Development 10 Year Storm	10	149,422.000	12.200	10.82
DP-2	Post-Development 10 Year Storm	10	57,721.000	12.450	6.22
DP-3	Post-Development 10 Year Storm	10	50,204.000	12.250	6.65

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
Temp. Sediment Basin 1B (IN)	Post-Development 10 Year Storm	10	74,618.000	12.000	25.00	(N/A)	(N/A)
Temp. Sediment Basin 1B (OUT)	Post-Development 10 Year Storm	10	74,618.000	12.150	10.18	429.63	20,611.000
Temp. Sediment Basin 1D (IN)	Post-Development 10 Year Storm	10	75,406.000	12.000	25.26	(N/A)	(N/A)
Temp. Sediment Basin 1D (OUT)	Post-Development 10 Year Storm	10	74,804.000	15.850	0.75	443.37	47,197.000
Temp. Sediment Basin 2B (IN)	Post-Development 10 Year Storm	10	86,912.000	12.000	29.12	(N/A)	(N/A)

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)
Temp. Sediment Basin 2B (OUT)	Post-Development 10 Year Storm	10	57,721.000	12.450	6.22	435.58	41,748.000
Temp. Sediment Basin 3A (IN)	Post-Development 10 Year Storm	10	72,183.000	12.000	24.18	(N/A)	(N/A)
Temp. Sediment Basin 3A (OUT)	Post-Development 10 Year Storm	10	50,204.000	12.250	6.65	437.61	32,143.000

Subsection: Time-Depth Curve
Label: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Time-Depth Curve: 10 Year	
Label	10 Year
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	0.1	0.1	0.1
1.000	0.1	0.1	0.1	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.2
2.000	0.2	0.2	0.2	0.2	0.2
2.500	0.2	0.2	0.2	0.2	0.2
3.000	0.2	0.3	0.3	0.3	0.3
3.500	0.3	0.3	0.3	0.3	0.3
4.000	0.3	0.3	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	0.5	0.6	0.6	0.6	0.6
6.500	0.6	0.6	0.6	0.6	0.7
7.000	0.7	0.7	0.7	0.7	0.7
7.500	0.7	0.8	0.8	0.8	0.8
8.000	0.8	0.8	0.8	0.9	0.9
8.500	0.9	0.9	0.9	0.9	1.0
9.000	1.0	1.0	1.0	1.0	1.1
9.500	1.1	1.1	1.1	1.1	1.2
10.000	1.2	1.2	1.2	1.3	1.3
10.500	1.3	1.4	1.4	1.4	1.5
11.000	1.5	1.5	1.6	1.6	1.7
11.500	1.8	1.9	2.0	2.1	2.3
12.000	3.0	3.2	3.4	3.5	3.7
12.500	3.8	3.8	3.9	3.9	4.0
13.000	4.0	4.0	4.1	4.1	4.1
13.500	4.2	4.2	4.2	4.3	4.3
14.000	4.3	4.3	4.4	4.4	4.4
14.500	4.4	4.4	4.5	4.5	4.5
15.000	4.5	4.5	4.6	4.6	4.6
15.500	4.6	4.6	4.6	4.7	4.7
16.000	4.7	4.7	4.7	4.7	4.8
16.500	4.8	4.8	4.8	4.8	4.8
17.000	4.8	4.8	4.9	4.9	4.9

Subsection: Time-Depth Curve
Label: 10 Year Storm
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

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)
17.500	4.9	4.9	4.9	4.9	4.9
18.000	5.0	5.0	5.0	5.0	5.0
18.500	5.0	5.0	5.0	5.0	5.1
19.000	5.1	5.1	5.1	5.1	5.1
19.500	5.1	5.1	5.1	5.1	5.2
20.000	5.2	5.2	5.2	5.2	5.2
20.500	5.2	5.2	5.2	5.2	5.2
21.000	5.3	5.3	5.3	5.3	5.3
21.500	5.3	5.3	5.3	5.3	5.3
22.000	5.3	5.3	5.4	5.4	5.4
22.500	5.4	5.4	5.4	5.4	5.4
23.000	5.4	5.4	5.4	5.4	5.5
23.500	5.5	5.5	5.5	5.5	5.5
24.000	5.5	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time of Concentration Calculations
Label: TSB-1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	0.083 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.083 hours

==== User Defined

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

Subsection: Time of Concentration Calculations
Label: TSB-1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	0.083 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.083 hours

Subsection: Time of Concentration Calculations
Label: TSB-1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

==== User Defined

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

Subsection: Time of Concentration Calculations
Label: TSB-2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	0.083 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.083 hours

==== User Defined

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

Subsection: Time of Concentration Calculations
Label: TSB-3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	0.083 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.083 hours

Subsection: Time of Concentration Calculations
Label: TSB-3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

==== User Defined

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

Subsection: Runoff CN-Area
Label: TSB-1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Newly graded area (pervious only - Newly graded area (pervious only) - Soil B	86.000	228,043.486	0.0	0.0	86.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	228,043.486	(N/A)	(N/A)	86.000

Subsection: Runoff CN-Area
Label: TSB-1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Newly graded area (pervious only - Newly graded area (pervious only) - Soil B	86.000	230,452.665	0.0	0.0	86.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	230,452.665	(N/A)	(N/A)	86.000

Subsection: Runoff CN-Area
Label: TSB-2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Newly graded area (pervious only - Newly graded area (pervious only) - Soil B	86.000	265,616.589	0.0	0.0	86.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	265,616.589	(N/A)	(N/A)	86.000

Subsection: Runoff CN-Area
Label: TSB-3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Runoff Curve Number Data

Soil/Surface Description	CN	Area (ft²)	C (%)	UC (%)	Adjusted CN
Newly graded area (pervious only - Newly graded area (pervious only) - Soil B	86.000	220,603.114	0.0	0.0	86.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	220,603.114	(N/A)	(N/A)	86.000

Storm Event	10 Year
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	228,043.486 ft²

Computational Time Increment	0.011 hours
Time to Peak (Computed)	12.011 hours
Flow (Peak, Computed)	25.71 ft³/s
Output Increment	0.050 hours
Time to Flow (Peak Interpolated Output)	12.000 hours
Flow (Peak Interpolated Output)	25.00 ft³/s

Drainage Area	
SCS CN (Composite)	86.000
Area (User Defined)	228,043.486 ft²
Maximum Retention (Pervious)	1.6 in
Maximum Retention (Pervious, 20 percent)	0.3 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.9 in
Runoff Volume (Pervious)	74,620.942 ft³

Hydrograph Volume (Area under Hydrograph curve)	
Volume	74,618.000 ft³

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.083 hours
Computational Time Increment	0.011 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	71.18 ft³/s

Subsection: Unit Hydrograph Summary
Label: TSB-1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

SCS Unit Hydrograph Parameters	
Unit peak time, Tp	0.056 hours
Unit receding limb, Tr	0.222 hours
Total unit time, Tb	0.278 hours

Storm Event	10 Year
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	230,452.665 ft²

Computational Time Increment	0.011 hours
Time to Peak (Computed)	12.011 hours
Flow (Peak, Computed)	25.98 ft³/s
Output Increment	0.050 hours
Time to Flow (Peak Interpolated Output)	12.000 hours
Flow (Peak Interpolated Output)	25.26 ft³/s

Drainage Area	
SCS CN (Composite)	86.000
Area (User Defined)	230,452.665 ft²
Maximum Retention (Pervious)	1.6 in
Maximum Retention (Pervious, 20 percent)	0.3 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.9 in
Runoff Volume (Pervious)	75,409.279 ft³

Hydrograph Volume (Area under Hydrograph curve)	
Volume	75,406.000 ft³

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.083 hours
Computational Time Increment	0.011 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	71.93 ft³/s

Subsection: Unit Hydrograph Summary
Label: TSB-1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

SCS Unit Hydrograph Parameters	
Unit peak time, Tp	0.056 hours
Unit receding limb, Tr	0.222 hours
Total unit time, Tb	0.278 hours

Storm Event	10 Year
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	265,616.589 ft²

Computational Time Increment	0.011 hours
Time to Peak (Computed)	12.011 hours
Flow (Peak, Computed)	29.94 ft³/s
Output Increment	0.050 hours
Time to Flow (Peak Interpolated Output)	12.000 hours
Flow (Peak Interpolated Output)	29.12 ft³/s

Drainage Area	
SCS CN (Composite)	86.000
Area (User Defined)	265,616.589 ft²
Maximum Retention (Pervious)	1.6 in
Maximum Retention (Pervious, 20 percent)	0.3 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.9 in
Runoff Volume (Pervious)	86,915.703 ft³

Hydrograph Volume (Area under Hydrograph curve)	
Volume	86,912.000 ft³

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.083 hours
Computational Time Increment	0.011 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	82.91 ft³/s

Subsection: Unit Hydrograph Summary
Label: TSB-2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

SCS Unit Hydrograph Parameters	
Unit peak time, Tp	0.056 hours
Unit receding limb, Tr	0.222 hours
Total unit time, Tb	0.278 hours

Storm Event	10 Year
Return Event	10 years
Duration	72.000 hours
Depth	5.5 in
Time of Concentration (Composite)	0.083 hours
Area (User Defined)	220,603.114 ft²

Computational Time Increment	0.011 hours
Time to Peak (Computed)	12.011 hours
Flow (Peak, Computed)	24.87 ft³/s
Output Increment	0.050 hours
Time to Flow (Peak Interpolated Output)	12.000 hours
Flow (Peak Interpolated Output)	24.18 ft³/s

Drainage Area	
SCS CN (Composite)	86.000
Area (User Defined)	220,603.114 ft²
Maximum Retention (Pervious)	1.6 in
Maximum Retention (Pervious, 20 percent)	0.3 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.9 in
Runoff Volume (Pervious)	72,186.285 ft³

Hydrograph Volume (Area under Hydrograph curve)	
Volume	72,183.000 ft³

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	0.083 hours
Computational Time Increment	0.011 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	68.86 ft³/s

Subsection: Unit Hydrograph Summary
Label: TSB-3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

SCS Unit Hydrograph Parameters	
Unit peak time, Tp	0.056 hours
Unit receding limb, Tr	0.222 hours
Total unit time, Tb	0.278 hours

Summary for Hydrograph Addition at 'DP-1'

Upstream Link	Upstream Node
	Temp. Sediment Basin 1B
	Temp. Sediment Basin 1D

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)		74,617.851	12.150	10.18
Flow (From)		74,804.094	15.850	0.75
Flow (In)	DP-1	149,421.945	12.200	10.82

Subsection: Addition Summary
Label: DP-2
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Summary for Hydrograph Addition at 'DP-2'

Upstream Link	Upstream Node
	Temp. Sediment Basin 2B

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)		57,720.773	12.450	6.22
Flow (In)	DP-2	57,720.773	12.450	6.22

Subsection: Addition Summary
Label: DP-3
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Summary for Hydrograph Addition at 'DP-3'

Upstream Link	Upstream Node
	Temp. Sediment Basin 3A

Node Inflows

Inflow Type	Element	Volume (ft^3)	Time to Peak (hours)	Flow (Peak) (ft^3/s)
Flow (From)		50,203.709	12.250	6.65
Flow (In)	DP-3	50,203.709	12.250	6.65

Subsection: Elevation-Area Volume Curve
Label: Temp. Sediment Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Elevation (ft)	Planimeter (ft^2)	Area (ft^2)	A1+A2+sqr (A1*A2) (ft^2)	Volume (ft^3)	Volume (Total) (ft^3)
424.00	0.0	1,725.873	0.000	0.000	0.000
426.00	0.0	2,849.371	6,792.822	4,529.000	4,529.000
428.00	0.0	4,629.521	11,110.864	7,407.000	11,936.000
430.00	0.0	6,420.637	16,502.173	11,001.000	22,937.000
430.25	0.0	6,660.431	19,620.502	1,635.000	24,572.000

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

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

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

Subsection: Elevation-Area Volume Curve
Label: Temp. Sediment Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Elevation (ft)	Planimeter (ft^2)	Area (ft^2)	A1+A2+sqr (A1*A2) (ft^2)	Volume (ft^3)	Volume (Total) (ft^3)
440.00	0.0	11,106.908	0.000	0.000	0.000
442.00	0.0	14,531.250	38,342.380	25,562.000	25,562.000
444.00	0.0	18,349.557	49,209.983	32,807.000	58,368.000
446.00	0.0	22,274.163	60,840.570	40,560.000	98,929.000
446.25	0.0	22,761.829	67,552.669	5,629.000	104,558.000

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

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

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

Subsection: Elevation-Area Volume Curve
Label: Temp. Sediment Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Elevation (ft)	Planimeter (ft^2)	Area (ft^2)	A1+A2+sqr (A1*A2) (ft^2)	Volume (ft^3)	Volume (Total) (ft^3)
433.50	0.0	17,621.354	0.000	0.000	0.000
434.00	0.0	18,994.721	54,911.231	9,152.000	9,152.000
436.00	0.0	23,321.698	63,363.727	42,242.000	51,394.000
436.25	0.0	23,836.745	70,736.258	5,895.000	57,289.000

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

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

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

Subsection: Elevation-Area Volume Curve
Label: Temp. Sediment Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Elevation (ft)	Planimeter (ft^2)	Area (ft^2)	A1+A2+sqr (A1*A2) (ft^2)	Volume (ft^3)	Volume (Total) (ft^3)
435.50	0.0	13,351.716	0.000	0.000	0.000
436.00	0.0	14,222.187	41,353.983	6,892.000	6,892.000
438.00	0.0	17,817.504	47,958.355	31,972.000	38,865.000
438.25	0.0	18,281.044	54,146.335	4,512.000	43,377.000

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

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

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

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	424.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
424.00	0.00	0.000	1,725.873	0.00	0.00	0.00
424.05	0.00	86.910	1,750.546	0.00	0.00	0.97
424.10	0.02	175.058	1,775.394	0.00	0.02	1.96
424.15	0.04	264.452	1,800.417	0.00	0.04	2.98
424.20	0.07	355.102	1,825.615	0.00	0.07	4.01
424.25	0.10	447.016	1,850.988	0.00	0.10	5.07
424.30	0.14	540.204	1,876.537	0.00	0.14	6.14
424.35	0.18	634.673	1,902.260	0.00	0.18	7.23
424.40	0.20	730.433	1,928.159	0.00	0.20	8.32
424.45	0.22	827.492	1,954.232	0.00	0.22	9.42
424.50	0.24	925.859	1,980.481	0.00	0.24	10.53
424.55	0.26	1,025.543	2,006.905	0.00	0.26	11.66
424.60	0.28	1,126.552	2,033.504	0.00	0.28	12.79
424.65	0.29	1,228.896	2,060.278	0.00	0.29	13.95
424.70	0.31	1,332.583	2,087.227	0.00	0.31	15.11
424.75	0.32	1,437.622	2,114.352	0.00	0.32	16.29
424.80	0.33	1,544.021	2,141.651	0.00	0.33	17.49
424.85	0.35	1,651.790	2,169.126	0.00	0.35	18.70
424.90	0.36	1,760.937	2,196.775	0.00	0.36	19.93
424.95	0.37	1,871.470	2,224.600	0.00	0.37	21.17
425.00	0.38	1,983.400	2,252.600	0.00	0.38	22.42
425.05	0.39	2,096.733	2,280.775	0.00	0.39	23.69
425.10	0.40	2,211.480	2,309.125	0.00	0.40	24.98
425.15	0.42	2,327.649	2,337.650	0.00	0.42	26.28
425.20	0.43	2,445.248	2,366.351	0.00	0.43	27.60
425.25	0.44	2,564.287	2,395.226	0.00	0.44	28.93
425.30	0.45	2,684.773	2,424.277	0.00	0.45	30.28
425.35	0.46	2,806.717	2,453.502	0.00	0.46	31.64
425.40	0.47	2,930.127	2,482.903	0.00	0.47	33.02
425.45	0.48	3,055.010	2,512.479	0.00	0.48	34.42

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
425.50	0.48	3,181.377	2,542.230	0.00	0.48	35.83
425.55	0.49	3,309.236	2,572.156	0.00	0.49	37.26
425.60	0.50	3,438.596	2,602.257	0.00	0.50	38.71
425.65	0.51	3,569.465	2,632.534	0.00	0.51	40.17
425.70	0.52	3,701.852	2,662.985	0.00	0.52	41.65
425.75	0.53	3,835.766	2,693.611	0.00	0.53	43.15
425.80	0.54	3,971.216	2,724.413	0.00	0.54	44.66
425.85	0.54	4,108.211	2,755.390	0.00	0.54	46.19
425.90	0.55	4,246.758	2,786.542	0.00	0.55	47.74
425.95	0.56	4,386.868	2,817.869	0.00	0.56	49.30
426.00	0.57	4,528.548	2,849.371	0.00	0.57	50.89
426.05	0.58	4,671.997	2,888.635	0.00	0.58	52.49
426.10	0.58	4,817.416	2,928.168	0.00	0.58	54.11
426.15	0.59	4,964.818	2,967.970	0.00	0.59	55.76
426.20	0.60	5,114.217	3,008.041	0.00	0.60	57.42
426.25	0.61	5,265.627	3,048.380	0.00	0.61	59.11
426.30	0.61	5,419.060	3,088.988	0.00	0.61	60.83
426.35	0.62	5,574.530	3,129.864	0.00	0.62	62.56
426.40	0.63	5,732.051	3,171.009	0.00	0.63	64.32
426.45	0.63	5,891.635	3,212.423	0.00	0.63	66.10
426.50	0.64	6,053.298	3,254.106	0.00	0.64	67.90
426.55	0.65	6,217.051	3,296.057	0.00	0.65	69.73
426.60	0.66	6,382.908	3,338.277	0.00	0.66	71.58
426.65	0.66	6,550.883	3,380.765	0.00	0.66	73.45
426.70	0.67	6,720.989	3,423.523	0.00	0.67	75.35
426.75	0.67	6,893.239	3,466.549	0.00	0.67	77.27
426.80	0.68	7,067.648	3,509.843	0.00	0.68	79.21
426.85	0.69	7,244.228	3,553.407	0.00	0.69	81.18
426.90	0.69	7,422.993	3,597.239	0.00	0.69	83.17
426.95	0.70	7,603.957	3,641.340	0.00	0.70	85.19
427.00	0.71	7,787.132	3,685.709	0.00	0.71	87.23
427.05	0.71	7,972.532	3,730.347	0.00	0.71	89.30
427.10	0.72	8,160.171	3,775.254	0.00	0.72	91.39
427.15	0.73	8,350.062	3,820.429	0.00	0.73	93.50
427.20	0.73	8,542.218	3,865.873	0.00	0.73	95.65
427.25	0.74	8,736.654	3,911.586	0.00	0.74	97.81
427.30	0.74	8,933.381	3,957.568	0.00	0.74	100.00
427.35	0.75	9,132.415	4,003.818	0.00	0.75	102.22
427.40	0.75	9,333.768	4,050.337	0.00	0.75	104.46
427.45	0.76	9,537.453	4,097.124	0.00	0.76	106.73
427.50	0.77	9,743.485	4,144.181	0.00	0.77	109.03
427.55	0.77	9,951.876	4,191.506	0.00	0.77	111.35
427.60	0.78	10,162.640	4,239.099	0.00	0.78	113.70
427.65	0.78	10,375.790	4,286.962	0.00	0.78	116.07
427.70	0.79	10,591.340	4,335.093	0.00	0.79	118.47

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
427.75	0.80	10,809.304	4,383.492	0.00	0.80	120.90
427.80	0.80	11,029.694	4,432.161	0.00	0.80	123.35
427.85	0.81	11,252.524	4,481.098	0.00	0.81	125.83
427.90	0.81	11,477.808	4,530.303	0.00	0.81	128.34
427.95	0.82	11,705.559	4,579.778	0.00	0.82	130.88
428.00	0.82	11,935.790	4,629.521	0.00	0.82	133.44
428.05	0.99	12,168.296	4,670.737	0.00	0.99	136.19
428.10	1.28	12,402.867	4,712.136	0.00	1.28	139.09
428.15	1.66	12,639.513	4,753.717	0.00	1.66	142.10
428.20	2.11	12,878.242	4,795.481	0.00	2.11	145.20
428.25	2.62	13,119.064	4,837.428	0.00	2.62	148.38
428.30	3.18	13,361.988	4,879.557	0.00	3.18	151.65
428.35	3.78	13,607.023	4,921.869	0.00	3.78	154.97
428.40	4.43	13,854.178	4,964.364	0.00	4.43	158.36
428.45	5.10	14,103.462	5,007.041	0.00	5.10	161.81
428.50	5.83	14,354.885	5,049.901	0.00	5.83	165.33
428.55	6.58	14,608.455	5,092.944	0.00	6.58	168.90
428.60	7.30	14,864.182	5,136.169	0.00	7.30	172.45
428.65	7.55	15,122.075	5,179.577	0.00	7.55	175.57
428.70	7.78	15,382.143	5,223.168	0.00	7.78	178.69
428.75	8.00	15,644.395	5,266.941	0.00	8.00	181.82
428.80	8.21	15,908.840	5,310.897	0.00	8.21	184.97
428.85	8.41	16,175.488	5,355.035	0.00	8.41	188.14
428.90	8.60	16,444.347	5,399.357	0.00	8.60	191.31
428.95	8.78	16,715.426	5,443.860	0.00	8.78	194.51
429.00	8.96	16,988.736	5,488.547	0.00	8.96	197.73
429.05	9.14	17,264.284	5,533.416	0.00	9.14	200.96
429.10	9.31	17,542.080	5,578.468	0.00	9.31	204.22
429.15	9.45	17,822.134	5,623.703	0.00	9.45	207.48
429.20	9.61	18,104.454	5,669.120	0.00	9.61	210.77
429.25	9.75	18,389.049	5,714.720	0.00	9.75	214.07
429.30	9.87	18,675.929	5,760.502	0.00	9.87	217.38
429.35	9.97	18,965.102	5,806.467	0.00	9.97	220.70
429.40	10.04	19,256.579	5,852.615	0.00	10.04	224.00
429.45	10.07	19,550.367	5,898.946	0.00	10.07	227.30
429.50	10.10	19,846.476	5,945.459	0.00	10.10	230.62
429.55	10.13	20,144.916	5,992.155	0.00	10.13	233.97
429.60	10.17	20,445.695	6,039.033	0.00	10.17	237.34
429.65	10.20	20,748.822	6,086.094	0.00	10.20	240.74
429.70	10.23	21,054.307	6,133.338	0.00	10.23	244.17
429.75	10.26	21,362.159	6,180.765	0.00	10.26	247.62
429.80	10.29	21,672.387	6,228.374	0.00	10.29	251.10
429.85	10.32	21,984.999	6,276.165	0.00	10.32	254.60
429.90	10.35	22,300.006	6,324.140	0.00	10.35	258.13
429.95	10.38	22,617.416	6,372.297	0.00	10.38	261.69

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

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)
430.00	10.41	22,937.239	6,420.637	0.00	10.41	265.27
430.05	10.44	23,259.460	6,468.244	0.00	10.44	268.88
430.10	10.48	23,584.066	6,516.027	0.00	10.48	272.52
430.15	10.51	23,911.066	6,563.985	0.00	10.51	276.18
430.20	10.54	24,240.468	6,612.120	0.00	10.54	279.88
430.25	10.57	24,572.281	6,660.431	0.00	10.57	283.59

Subsection: Level Pool Pond Routing Summary
Label: Temp. Sediment Basin 1B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	424.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	25.00 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	10.18 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	429.63 ft
Volume (Peak)	20,611.042 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	74,618.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	74,618.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	440.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
440.00	0.00	0.000	11,106.908	0.00	0.00	0.00
440.05	0.00	557.344	11,186.917	0.00	0.00	6.20
440.10	0.02	1,118.697	11,267.214	0.00	0.02	12.45
440.15	0.04	1,684.071	11,347.797	0.00	0.04	18.75
440.20	0.07	2,253.481	11,428.668	0.00	0.07	25.11
440.25	0.10	2,826.942	11,509.826	0.00	0.10	31.51
440.30	0.14	3,404.468	11,591.271	0.00	0.14	37.97
440.35	0.18	3,986.074	11,673.003	0.00	0.18	44.47
440.40	0.20	4,571.773	11,755.022	0.00	0.20	51.00
440.45	0.22	5,161.581	11,837.329	0.00	0.22	57.57
440.50	0.24	5,755.511	11,919.922	0.00	0.24	64.19
440.55	0.26	6,353.578	12,002.803	0.00	0.26	70.85
440.60	0.28	6,955.796	12,085.971	0.00	0.28	77.56
440.65	0.29	7,562.180	12,169.426	0.00	0.29	84.32
440.70	0.31	8,172.744	12,253.168	0.00	0.31	91.12
440.75	0.32	8,787.501	12,337.197	0.00	0.32	97.96
440.80	0.33	9,406.468	12,421.513	0.00	0.33	104.85
440.85	0.35	10,029.658	12,506.117	0.00	0.35	111.79
440.90	0.36	10,657.084	12,591.008	0.00	0.36	118.77
440.95	0.37	11,288.763	12,676.185	0.00	0.37	125.80
441.00	0.38	11,924.708	12,761.650	0.00	0.38	132.88
441.05	0.39	12,564.933	12,847.403	0.00	0.39	140.01
441.10	0.41	13,209.453	12,933.442	0.00	0.41	147.18
441.15	0.42	13,858.282	13,019.768	0.00	0.42	154.40
441.20	0.43	14,511.434	13,106.382	0.00	0.43	161.67
441.25	0.44	15,168.925	13,193.282	0.00	0.44	168.98
441.30	0.45	15,830.768	13,280.470	0.00	0.45	176.34
441.35	0.46	16,496.977	13,367.945	0.00	0.46	183.76
441.40	0.47	17,167.567	13,455.707	0.00	0.47	191.22
441.45	0.48	17,842.552	13,543.757	0.00	0.48	198.73

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

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)
441.50	0.49	18,521.947	13,632.093	0.00	0.49	206.29
441.55	0.49	19,205.766	13,720.717	0.00	0.49	213.89
441.60	0.50	19,894.024	13,809.627	0.00	0.50	221.55
441.65	0.51	20,586.734	13,898.825	0.00	0.51	229.25
441.70	0.52	21,283.911	13,988.310	0.00	0.52	237.01
441.75	0.53	21,985.570	14,078.082	0.00	0.53	244.81
441.80	0.54	22,691.724	14,168.141	0.00	0.54	252.67
441.85	0.54	23,402.389	14,258.488	0.00	0.54	260.57
441.90	0.55	24,117.578	14,349.121	0.00	0.55	268.53
441.95	0.56	24,837.305	14,440.042	0.00	0.56	276.53
442.00	0.57	25,561.587	14,531.250	0.00	0.57	284.59
442.05	0.58	26,290.399	14,621.285	0.00	0.58	292.69
442.10	0.58	27,023.720	14,711.599	0.00	0.58	300.85
442.15	0.59	27,761.563	14,802.190	0.00	0.59	309.05
442.20	0.60	28,503.943	14,893.060	0.00	0.60	317.31
442.25	0.61	29,250.874	14,984.207	0.00	0.61	325.62
442.30	0.61	30,002.369	15,075.633	0.00	0.61	333.97
442.35	0.62	30,758.442	15,167.337	0.00	0.62	342.38
442.40	0.63	31,519.107	15,259.319	0.00	0.63	350.84
442.45	0.63	32,284.378	15,351.579	0.00	0.63	359.35
442.50	0.64	33,054.270	15,444.117	0.00	0.64	367.91
442.55	0.65	33,828.795	15,536.933	0.00	0.65	376.52
442.60	0.66	34,607.967	15,630.027	0.00	0.66	385.19
442.65	0.66	35,391.802	15,723.399	0.00	0.66	393.90
442.70	0.67	36,180.312	15,817.049	0.00	0.67	402.67
442.75	0.68	36,973.511	15,910.977	0.00	0.68	411.49
442.80	0.68	37,771.414	16,005.184	0.00	0.68	420.36
442.85	0.69	38,574.034	16,099.668	0.00	0.69	429.29
442.90	0.69	39,381.386	16,194.431	0.00	0.69	438.27
442.95	0.70	40,193.482	16,289.471	0.00	0.70	447.29
443.00	0.71	41,010.338	16,384.790	0.00	0.71	456.38
443.05	0.71	41,831.966	16,480.387	0.00	0.71	465.51
443.10	0.72	42,658.381	16,576.261	0.00	0.72	474.70
443.15	0.72	43,489.597	16,672.414	0.00	0.72	483.94
443.20	0.73	44,325.627	16,768.845	0.00	0.73	493.24
443.25	0.74	45,166.486	16,865.554	0.00	0.74	502.59
443.30	0.74	46,012.187	16,962.541	0.00	0.74	511.99
443.35	0.75	46,862.745	17,059.806	0.00	0.75	521.45
443.40	0.76	47,718.172	17,157.350	0.00	0.76	530.96
443.45	0.76	48,578.484	17,255.171	0.00	0.76	540.52
443.50	0.77	49,443.694	17,353.270	0.00	0.77	550.14
443.55	0.77	50,313.816	17,451.648	0.00	0.77	559.82
443.60	0.78	51,188.863	17,550.303	0.00	0.78	569.54
443.65	0.78	52,068.851	17,649.237	0.00	0.78	579.33
443.70	0.79	52,953.792	17,748.448	0.00	0.79	589.16

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
443.75	0.80	53,843.700	17,847.938	0.00	0.80	599.06
443.80	0.80	54,738.590	17,947.706	0.00	0.80	609.01
443.85	0.81	55,638.475	18,047.751	0.00	0.81	619.01
443.90	0.81	56,543.370	18,148.075	0.00	0.81	629.07
443.95	0.82	57,453.288	18,248.677	0.00	0.82	639.19
444.00	0.82	58,368.242	18,349.557	0.00	0.82	649.36
444.05	0.83	59,288.056	18,443.041	0.00	0.83	659.58
444.10	0.83	60,212.550	18,536.762	0.00	0.83	669.86
444.15	0.84	61,141.736	18,630.720	0.00	0.84	680.19
444.20	0.84	62,075.626	18,724.916	0.00	0.84	690.57
444.25	0.85	63,014.232	18,819.349	0.00	0.85	701.01
444.30	0.85	63,957.565	18,914.021	0.00	0.85	711.49
444.35	0.86	64,905.638	19,008.929	0.00	0.86	722.03
444.40	0.86	65,858.462	19,104.075	0.00	0.86	732.62
444.45	0.87	66,816.049	19,199.459	0.00	0.87	743.27
444.50	0.87	67,778.412	19,295.080	0.00	0.87	753.97
444.55	0.88	68,745.561	19,390.939	0.00	0.88	764.72
444.60	0.89	69,717.510	19,487.035	0.00	0.89	775.52
444.65	0.89	70,694.269	19,583.368	0.00	0.89	786.38
444.70	0.89	71,675.850	19,679.940	0.00	0.89	797.29
444.75	0.90	72,662.267	19,776.748	0.00	0.90	808.26
444.80	0.90	73,653.529	19,873.795	0.00	0.90	819.28
444.85	0.91	74,649.650	19,971.079	0.00	0.91	830.35
444.90	0.91	75,650.641	20,068.600	0.00	0.91	841.48
444.95	0.92	76,656.514	20,166.359	0.00	0.92	852.66
445.00	0.92	77,667.281	20,264.355	0.00	0.92	863.89
445.05	1.09	78,682.954	20,362.589	0.00	1.09	875.34
445.10	1.38	79,703.544	20,461.060	0.00	1.38	886.98
445.15	1.76	80,729.064	20,559.769	0.00	1.76	898.75
445.20	2.21	81,759.525	20,658.716	0.00	2.21	910.65
445.25	2.71	82,794.939	20,757.900	0.00	2.71	922.66
445.30	3.27	83,835.319	20,857.321	0.00	3.27	934.78
445.35	3.88	84,880.675	20,956.981	0.00	3.88	947.00
445.40	4.52	85,931.021	21,056.877	0.00	4.52	959.31
445.45	5.21	86,986.367	21,157.011	0.00	5.21	971.72
445.50	5.92	88,046.726	21,257.383	0.00	5.92	984.22
445.55	6.68	89,112.109	21,357.992	0.00	6.68	996.82
445.60	7.47	90,182.529	21,458.839	0.00	7.47	1,009.50
445.65	7.75	91,257.997	21,559.923	0.00	7.75	1,021.73
445.70	8.01	92,338.525	21,661.245	0.00	8.01	1,033.99
445.75	8.26	93,424.125	21,762.804	0.00	8.26	1,046.30
445.80	8.49	94,514.809	21,864.601	0.00	8.49	1,058.66
445.85	8.73	95,610.589	21,966.635	0.00	8.73	1,071.07
445.90	8.95	96,711.477	22,068.907	0.00	8.95	1,083.52
445.95	9.17	97,817.484	22,171.416	0.00	9.17	1,096.03

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 1D
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

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)
446.00	9.38	98,928.623	22,274.163	0.00	9.38	1,108.58
446.05	9.58	100,044.758	22,371.274	0.00	9.58	1,121.19
446.10	9.78	101,165.753	22,468.596	0.00	9.78	1,133.85
446.15	9.98	102,291.621	22,566.129	0.00	9.98	1,146.56
446.20	10.17	103,422.370	22,663.874	0.00	10.17	1,159.31
446.25	10.37	104,558.012	22,761.829	0.00	10.37	1,172.12

Subsection: Level Pool Pond Routing Summary
Label: Temp. Sediment Basin 1D (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	440.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	25.26 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.75 ft³/s	Time to Peak (Flow, Outlet)	15.850 hours

Elevation (Water Surface, Peak)	443.37 ft
Volume (Peak)	47,197.473 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	75,406.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	74,804.000 ft³
Volume (Retained)	601.000 ft³
Volume (Unrouted)	-1.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	433.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
433.50	0.00	0.000	17,621.354	0.00	0.00	0.00
433.55	0.00	884.441	17,756.372	0.00	0.00	9.83
433.60	0.00	1,775.646	17,891.905	0.00	0.00	19.73
433.65	0.00	2,673.640	18,027.954	0.00	0.00	29.71
433.70	0.00	3,578.450	18,164.517	0.00	0.00	39.76
433.75	0.00	4,490.100	18,301.597	0.00	0.00	49.89
433.80	0.00	5,408.618	18,439.191	0.00	0.00	60.10
433.85	0.00	6,334.028	18,577.301	0.00	0.00	70.38
433.90	0.00	7,266.357	18,715.926	0.00	0.00	80.74
433.95	0.00	8,205.629	18,855.066	0.00	0.00	91.17
434.00	0.00	9,151.872	18,994.721	0.00	0.00	101.69
434.05	0.00	10,104.176	19,097.489	0.00	0.00	112.27
434.10	0.00	11,061.625	19,200.534	0.00	0.00	122.91
434.15	0.00	12,024.234	19,303.857	0.00	0.00	133.60
434.20	0.00	12,992.016	19,407.457	0.00	0.00	144.36
434.25	0.00	13,964.984	19,511.334	0.00	0.00	155.17
434.30	0.00	14,943.154	19,615.488	0.00	0.00	166.04
434.35	0.00	15,926.538	19,719.919	0.00	0.00	176.96
434.40	0.00	16,915.150	19,824.628	0.00	0.00	187.95
434.45	0.00	17,909.005	19,929.614	0.00	0.00	198.99
434.50	0.00	18,908.116	20,034.877	0.00	0.00	210.09
434.55	0.00	19,912.497	20,140.418	0.00	0.00	221.25
434.60	0.00	20,922.163	20,246.235	0.00	0.00	232.47
434.65	0.00	21,937.126	20,352.330	0.00	0.00	243.75
434.70	0.00	22,957.400	20,458.703	0.00	0.00	255.08
434.75	0.00	23,983.000	20,565.352	0.00	0.00	266.48
434.80	0.00	25,013.940	20,672.279	0.00	0.00	277.93
434.85	0.00	26,050.233	20,779.483	0.00	0.00	289.45
434.90	0.00	27,091.893	20,886.964	0.00	0.00	301.02
434.95	0.00	28,138.934	20,994.723	0.00	0.00	312.65

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 2B
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

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)
435.00	0.00	29,191.370	21,102.758	0.00	0.00	324.35
435.05	0.16	30,249.214	21,211.072	0.00	0.16	336.26
435.10	0.45	31,312.482	21,319.662	0.00	0.45	348.36
435.15	0.82	32,381.185	21,428.529	0.00	0.82	360.61
435.20	1.26	33,455.339	21,537.674	0.00	1.26	372.99
435.25	1.77	34,534.957	21,647.096	0.00	1.77	385.49
435.30	2.32	35,620.053	21,756.796	0.00	2.32	398.10
435.35	2.93	36,710.641	21,866.772	0.00	2.93	410.82
435.40	3.58	37,806.735	21,977.026	0.00	3.58	423.65
435.45	4.27	38,908.349	22,087.557	0.00	4.27	436.59
435.50	5.00	40,015.496	22,198.365	0.00	5.00	449.61
435.55	5.77	41,128.190	22,309.451	0.00	5.77	462.75
435.60	6.57	42,246.445	22,420.814	0.00	6.57	475.98
435.65	6.86	43,370.276	22,532.454	0.00	6.86	488.75
435.70	7.12	44,499.695	22,644.371	0.00	7.12	501.56
435.75	7.37	45,634.718	22,756.566	0.00	7.37	514.42
435.80	7.61	46,775.357	22,869.038	0.00	7.61	527.33
435.85	7.84	47,921.626	22,981.787	0.00	7.84	540.31
435.90	8.07	49,073.540	23,094.813	0.00	8.07	553.33
435.95	8.29	50,231.112	23,208.117	0.00	8.29	566.41
436.00	8.51	51,394.356	23,321.698	0.00	8.51	579.55
436.05	8.71	52,563.004	23,424.257	0.00	8.71	592.75
436.10	8.92	53,736.786	23,527.042	0.00	8.92	606.00
436.15	9.12	54,915.712	23,630.051	0.00	9.12	619.29
436.20	9.32	56,099.794	23,733.286	0.00	9.32	632.65
436.25	9.51	57,289.044	23,836.745	0.00	9.51	646.05

Subsection: Level Pool Pond Routing Summary
Label: Temp. Sediment Basin 2B (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	433.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	29.12 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	6.22 ft³/s	Time to Peak (Flow, Outlet)	12.450 hours

Elevation (Water Surface, Peak)	435.58 ft
Volume (Peak)	41,747.831 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	86,912.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	57,721.000 ft³
Volume (Retained)	29,191.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	435.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
435.50	0.00	0.000	13,351.716	0.00	0.00	0.00
435.55	0.00	669.730	13,437.527	0.00	0.00	7.44
435.60	0.00	1,343.757	13,523.612	0.00	0.00	14.93
435.65	0.00	2,022.096	13,609.971	0.00	0.00	22.47
435.70	0.00	2,704.759	13,696.606	0.00	0.00	30.05
435.75	0.00	3,391.761	13,783.516	0.00	0.00	37.69
435.80	0.00	4,083.115	13,870.700	0.00	0.00	45.37
435.85	0.00	4,778.835	13,958.159	0.00	0.00	53.10
435.90	0.00	5,478.936	14,045.894	0.00	0.00	60.88
435.95	0.00	6,183.429	14,133.903	0.00	0.00	68.70
436.00	0.00	6,892.330	14,222.187	0.00	0.00	76.58
436.05	0.00	7,605.563	14,307.137	0.00	0.00	84.51
436.10	0.00	8,323.048	14,392.340	0.00	0.00	92.48
436.15	0.00	9,044.801	14,477.797	0.00	0.00	100.50
436.20	0.00	9,770.832	14,563.506	0.00	0.00	108.56
436.25	0.00	10,501.156	14,649.468	0.00	0.00	116.68
436.30	0.00	11,235.783	14,735.683	0.00	0.00	124.84
436.35	0.00	11,974.728	14,822.151	0.00	0.00	133.05
436.40	0.00	12,718.003	14,908.872	0.00	0.00	141.31
436.45	0.00	13,465.620	14,995.846	0.00	0.00	149.62
436.50	0.00	14,217.591	15,083.073	0.00	0.00	157.97
436.55	0.00	14,973.931	15,170.553	0.00	0.00	166.38
436.60	0.00	15,734.651	15,258.286	0.00	0.00	174.83
436.65	0.00	16,499.764	15,346.272	0.00	0.00	183.33
436.70	0.00	17,269.282	15,434.510	0.00	0.00	191.88
436.75	0.00	18,043.219	15,523.002	0.00	0.00	200.48
436.80	0.00	18,821.587	15,611.747	0.00	0.00	209.13
436.85	0.00	19,604.398	15,700.744	0.00	0.00	217.83
436.90	0.00	20,391.665	15,789.995	0.00	0.00	226.57
436.95	0.00	21,183.402	15,879.498	0.00	0.00	235.37

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Temp. Sediment Basin 3A
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

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)
437.00	0.00	21,979.619	15,969.255	0.00	0.00	244.22
437.05	0.16	22,780.331	16,059.264	0.00	0.16	253.27
437.10	0.45	23,585.550	16,149.527	0.00	0.45	262.51
437.15	0.82	24,395.288	16,240.042	0.00	0.82	271.88
437.20	1.26	25,209.558	16,330.810	0.00	1.26	281.37
437.25	1.77	26,028.373	16,421.831	0.00	1.77	290.97
437.30	2.32	26,851.746	16,513.106	0.00	2.32	300.68
437.35	2.93	27,679.688	16,604.633	0.00	2.93	310.48
437.40	3.57	28,512.213	16,696.413	0.00	3.57	320.38
437.45	4.27	29,349.334	16,788.446	0.00	4.27	330.38
437.50	5.00	30,191.062	16,880.732	0.00	5.00	340.45
437.55	5.77	31,037.411	16,973.271	0.00	5.77	350.63
437.60	6.57	31,888.393	17,066.063	0.00	6.57	360.88
437.65	6.85	32,744.022	17,159.108	0.00	6.85	370.68
437.70	7.12	33,604.308	17,252.405	0.00	7.12	380.50
437.75	7.37	34,469.266	17,345.956	0.00	7.37	390.36
437.80	7.61	35,338.908	17,439.760	0.00	7.61	400.26
437.85	7.84	36,213.247	17,533.817	0.00	7.84	410.21
437.90	8.07	37,092.294	17,628.126	0.00	8.07	420.21
437.95	8.29	37,976.063	17,722.689	0.00	8.29	430.25
438.00	8.51	38,864.567	17,817.504	0.00	8.51	440.33
438.05	8.71	39,757.747	17,909.736	0.00	8.71	450.47
438.10	8.92	40,655.545	18,002.206	0.00	8.92	460.65
438.15	9.12	41,557.972	18,094.914	0.00	9.12	470.87
438.20	9.32	42,465.040	18,187.860	0.00	9.32	481.15
438.25	9.51	43,376.762	18,281.044	0.00	9.51	491.47

Subsection: Level Pool Pond Routing Summary
Label: Temp. Sediment Basin 3A (IN)
Scenario: Post-Development 10 Year Storm

Return Event: 10 years
Storm Event: 10 Year

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	435.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	24.18 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	6.65 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)	437.61 ft
Volume (Peak)	32,142.510 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	72,183.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	50,204.000 ft³
Volume (Retained)	21,980.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

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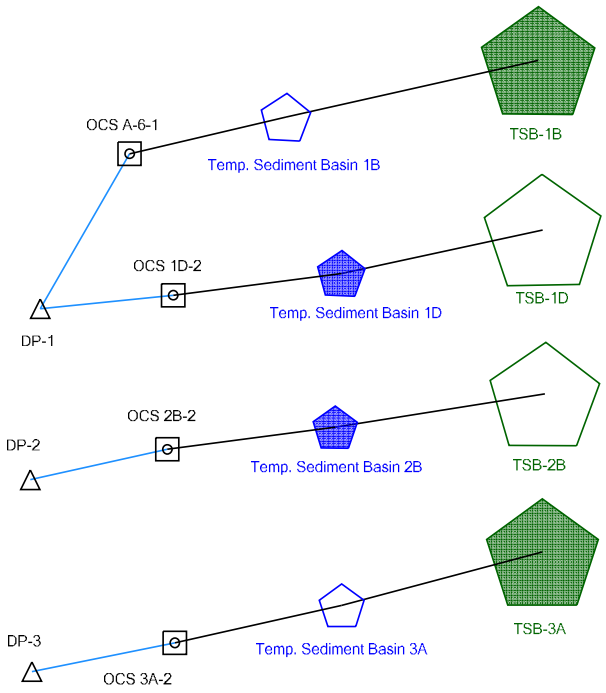
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Scenario: Post-Development 10 Year Storm





LEGEND

- EXISTING PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING BUILDING LINE
- EXISTING PAVEMENT EDGE
- EXISTING CURB LINE
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING STONE WALL
- EXISTING RETAINING WALL
- EXISTING GUIDE RAIL
- EXISTING FENCE
- EXISTING DRAIN INLET
- EXISTING MANHOLE
- EXISTING UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING SIGN
- PROPOSED BUILDING LINE
- PROPOSED CONCRETE CURB
- PROPOSED CONCRETE SIDEWALK
- PROPOSED DROP CURB AND RAMP
- PROPOSED FINISHED GRADE
- PROPOSED SPOT GRADE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED TYPE CI DRAIN INLET
- PROPOSED TYPE DI DRAIN INLET
- PROPOSED TRENCH DRAIN
- PROPOSED DRAINAGE DIVIDE
- LIMIT OF SOIL GROUPS LINE
- TEMPORARY SEDIMENT BASINS
- SOIL DESIGNATION AND HYDROLOGIC SOIL GROUP

NOTES:

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN HAVE BEEN TAKEN FROM SURVEY TITLED, "SURVEY OF PROPERTY PREPARED FOR BNE REAL ESTATE," PREPARED BY WARD CARPENTER ENGINEERS, INC, DATED 09/20/2023.
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3. ALL STORMWATER MANAGEMENT PRACTICES SHALL REMAIN UNDISTURBED AND BE PROTECTED FROM HEAVY MACHINERY TRAFFIC DURING CONSTRUCTION. HOWEVER DURING CONSTRUCTION OF THE PRACTICE THE CONTRACTOR SHALL MINIMIZE AND AVOID HEAVY MACHINERY TRAFFIC TO THE MAXIMUM EXTENT PRACTICABLE. THERE SHALL BE NO STORAGE OF MATERIALS WITHIN AREAS TO BE USED FOR STORMWATER MANAGEMENT PRACTICES. THE CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE AROUND THE PRACTICE TO DISCOURAGE VEHICLE TRAFFIC.

No.	Revision	Date	By

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TEMPORARY SEDIMENT BASIN DRAINAGE AREA MAP

LETCHWORTH ROAD
RESIDENTIAL DEVELOPMENT
LETCHWORTH VILLAGE ROAD
HAVERSTRAW, NY

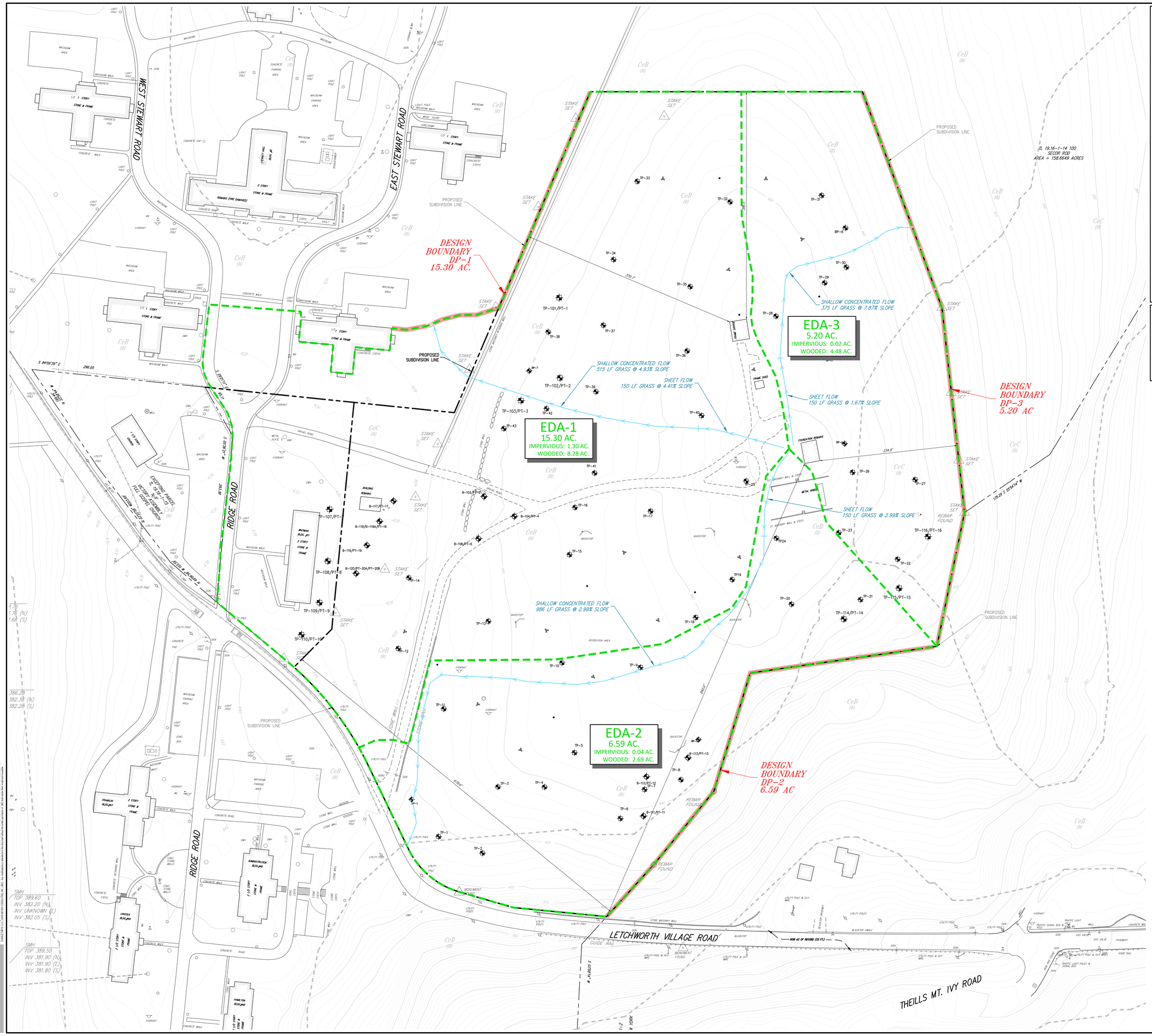
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APPENDIX I

DRAWINGS



EXISTING DRAINAGE LEGEND

- EXISTING PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING BUILDING LINE
- EXISTING PAVEMENT EDGE
- EXISTING CURB LINE
- EXISTING MINOR CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING STONE WALL
- EXISTING RETAINING WALL
- EXISTING GUIDE RAIL
- EXISTING FENCE
- EXISTING STORM DRAIN LINE AND SIZE
- EXISTING SANITARY LINE AND SIZE
- EXISTING GAS LINE
- EXISTING DRAIN INLET
- EXISTING MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING GAS VALVE
- EXISTING WATER VALVE
- EXISTING UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING SIGN
- WATERSHED BOUNDARY LINE
- LIMIT OF SOIL GROUPS LINE
- FLOW PATH LINE
- SOIL DESIGNATION AND HYDROLOGIC SOIL GROUP

SOIL TYPE TABLE

DESIGNATION	HYDROLOGIC GROUP	DESCRIPTION
CeB	B	CHARLTON FINE SANDY LOAM, 3 TO 8 PERCENT
CeC	B	CHARLTON FINE SANDY LOAM, 8 TO 15 PERCENT
CeD	B	CHARLTON FINE SANDY LOAM, 15 TO 25 PERCENT

NOTES:

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN HAVE BEEN TAKEN FROM SURVEY TITLED, "SURVEY OF PROPERTY PREPARED FOR BNE REAL ESTATE," PREPARED BY WARD CARPENTER ENGINEERS, INC, DATED 09/20/2023.
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3. THE SOIL TYPES, HYDROLOGIC SOIL GROUPS AND BOUNDARY INFORMATION SHOWN ON THIS PLAN WERE TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) WEB SOIL SURVEY.
4. THE TOPOGRAPHIC CONTOURS DEPICTED ON THIS PLAN HAVE BEEN SUPPLEMENTED BY THE WESTCHESTER COUNTY GIS BASE MAP. THE WESTCHESTER COUNTY GIS DATASET CONTAINS CONTOUR LINES MODELED AT A TWO FOOT INTERVAL. THE SOURCE INFORMATION USED IN THE COLLECTION OF THE DATASET WAS PART OF THE NEW YORK STATE DIGITAL ORTHOIMAGERY PROGRAM; PHOTOS TAKEN IN APRIL 2004. THE VERTICAL DATUM IS NAVD88.

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7. ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD STUDY, THE PROFILE OF MINISCEONGO CREEK AT STA 205+75 DEPICTS THE 0.2% ANNUAL CHANCE FLOOD (500 YEAR) AT ELEVATION ±297.00.

No.	Revision	Date	By
1.	ISSUED FOR DES COMPLETENESS	01/24/2025	PK
2.	DES COMPLETENESS SUBMISSION	02/28/2025	NB
3.	ISSUED FOR FEES REVIEW	06/15/2025	NB

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EXISTING DRAINAGE AREA MAP

LETCHWORTH RESIDENTIAL DEVELOPMENT
LETCHWORTH VILLAGE ROAD
HAVERSTRAW, NY

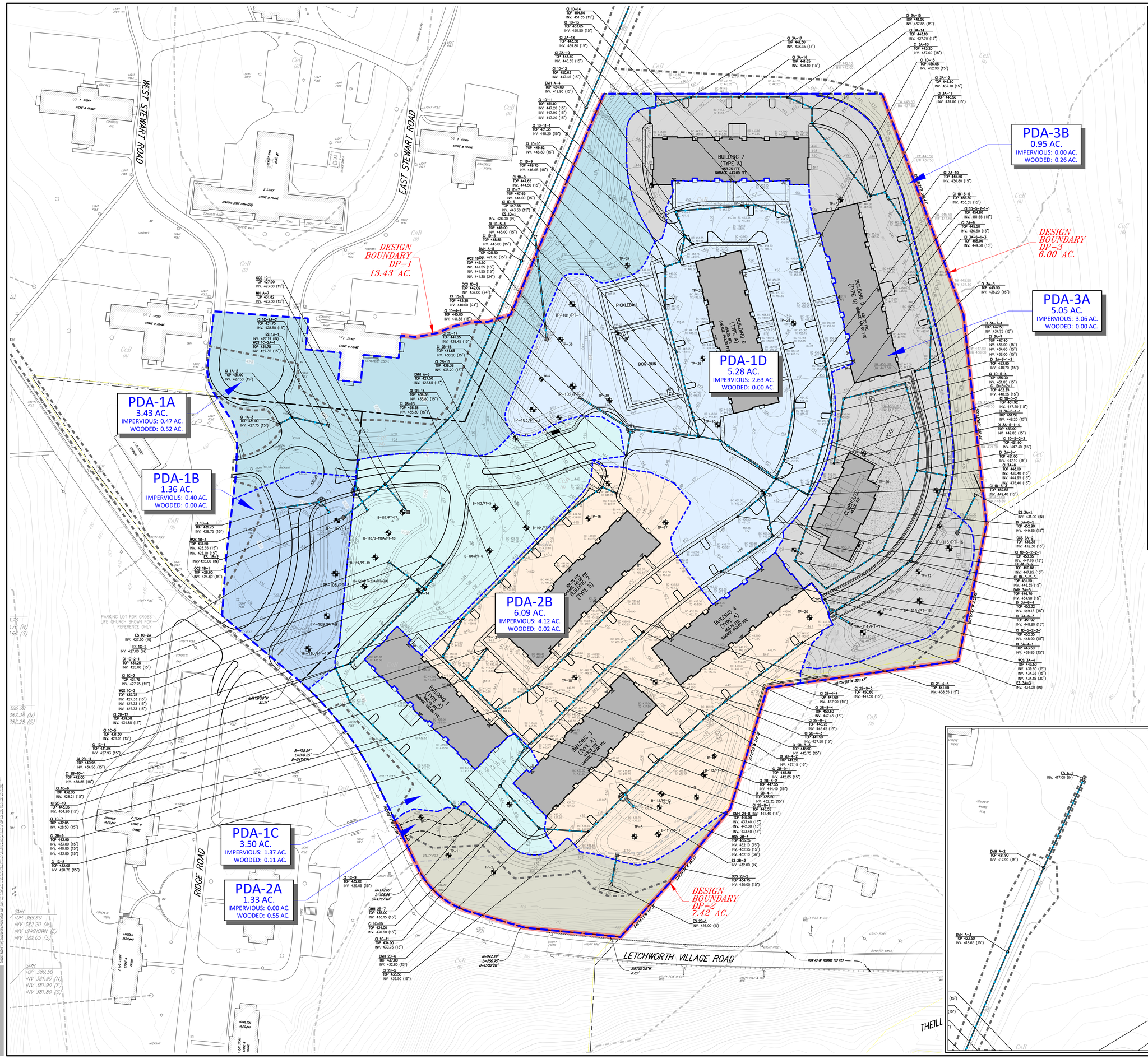
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NOT FOR CONSTRUCTION



LEGEND

- EXISTING PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING EASEMENT LINE
- EXISTING BUILDING LINE
- EXISTING PAVEMENT EDGE
- EXISTING CURB LINE
- EXISTING STONE WALL
- EXISTING RETAINING WALL
- EXISTING GUIDE RAIL
- EXISTING FENCE
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRES
- EXISTING DRAIN INLET
- EXISTING MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING GAS VALVE
- EXISTING WATER VALVE
- EXISTING UTILITY POLE
- EXISTING LIGHT POLE
- EXISTING SIGN
- PROPOSED BUILDING LINE
- PROPOSED CONCRETE CURB
- PROPOSED CONCRETE SIDEWALK
- PROPOSED DROP CURB AND RAMP
- PROPOSED FINISHED GRADE
- PROPOSED SPOT GRADE
- SMH — PROPOSED SANITARY SEWER MANHOLE
- MH — PROPOSED STORM DRAIN MANHOLE
- CI — PROPOSED TYPE CI DRAIN INLET
- DI — PROPOSED TYPE DI DRAIN INLET
- PROPOSED END SECTION
- WQS — PROPOSED WATER QUALITY STRUCTURE
- OCS — PROPOSED SUBSURFACE DRAINAGE OUTLET CONTROL STRUCTURE
- OCS — PROPOSED OUTLET CONTROL STRUCTURE
- CO — PROPOSED CLEANOUT
- PROPOSED HYDRANT
- 15" HDPE — PROPOSED STORM DRAIN LINE & SIZE
- 8" PVC — PROPOSED SANITARY SEWER LINE & SIZE
- PROPOSED RIP-RAP APRON
- PROPOSED RETAINING WALL (DESIGN BY OTHERS)
- WATERSHED BOUNDARY LINE
- LIMIT OF SOIL GROUPS LINE
- SOIL DESIGNATION AND HYDROLOGIC SOIL GROUP

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PROPOSED DRAINAGE AREA MAP

LETCHWORTH RESIDENTIAL DEVELOPMENT
LETCHWORTH VILLAGE ROAD
HAVERSTRAW, NY

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