MILLENNIUM ENGINEERING, INC.

Land Surveyors and Civil Engineers

STORMWATER MANAGEMENT REPORT

FOR THE

ROCKY HILL MBTA COMMUNITY

AT

ELM STREET
AMESBURY, MA

PREPARED FOR:

DALE DEVELOPMENT, LLC.
360 WASHINGTON STREET
RYE, NH

DATE: AUGUST 11, 2025
REVISED: DECEMBER 5, 2025
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Massachusetts:

62 Elm Street-
Salisbury, MA 01952
Phone: 978-463-8980

New Hampshire:

13 Hampton Road
Exeter, NH 03833
Phone: 603-778-0528

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Rocky Hill MBTA Community Amesbury, MA

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I. Introduction

Introduction

The approximately 85-acre Site is located within the City of Amesbury and comprises six parcels (collectively referred to as the "Site" herein):

- Lot 13, owned by True Homestead Limited Partnership I (10.5 acres);
- Lot 20, owned by True Homestead Limited Partnership III (25.52 acres);
- Lot 12, owned by True Homestead Limited Partnership IV (12.79 acres);
- Lot 3, owned by True Homestead Limited Partnership IV (0.32 acres);
- Lot 15, owned by Stanley O. Bean and Alice Bean, 287 Elm Street Realty Trust (15 acres); and
- Lot 4, owned by Stanley O. Bean Revocable Trust (0.11 acres).

The Property includes approximately 40.8 acres of upland area. Bordering Vegetated Wetlands (BVW) are in the southeast, southwest and north-central portions of the Site. There is also an Isolated Vegetated Wetland (IVW) in the central portion of the Site. A perennial stream runs near the southern property line and through a portion of the southern part of the Site. A second perennial stream is located along the southwestern border but does not enter the Site. Portions of both streams have been confirmed as intermittent. Riverfront area (RFA) associated with these perennial streams is located on the Site. Elevations on the site range from 68' to the north end down to 42' along the back of the perennial stream along the southern parcel boundary.

The project will consist of the construction of a new residential site road with associated parking and pedestrian walkways. The project will include the construction of 375 residential units with a mix of building types from single-family dwellings to 29-unit multi-unit dwelling. The proposed stormwater management system that includes catch basins, water quality units, infiltration basins, constructed stormwater wetlands and stormwater detention basins. The catch basins and water quality units will remove suspended solids prior to discharging to the infiltration areas. The infiltration areas will provide stormwater recharge to the groundwater, water quality treatment and mitigate peak runoff rates so the post-development runoff rates will be less than or equal to the pre-development rates. Constructed stormwater wetlands will provide water quality treatment and peak runoff rate attenuation. Some of the treatment trains will require a stormwater detention basin to control the peak runoff rate.

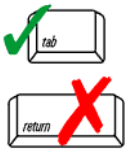
II. Stormwater Management Checklist

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

Checklist for Stormwater Report

A. Introduction

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the Massachusetts Stormwater Handbook. The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.[1] This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8[2]
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification

[1] The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

[2] For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.

B. Stormwater Checklist and Certification

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

Checklist for Stormwater Report

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature

Signature and Date

Checklist

Project Type: Is the application for new development, redevelopment, or a mix of new and redevelopment?

☒ New development

☐ Redevelopment

☐ Mix of New Development and Redevelopment

Checklist (continued)

Checklist for Stormwater Report

LID Measures: Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- ☐ No disturbance to any Wetland Resource Areas
- ☐ Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- ☐ Reduced Impervious Area (Redevelopment Only)
- ☒ Minimizing disturbance to existing trees and shrubs
- ☐ LID Site Design Credit Requested:
  - ☐ Credit 1
  - ☐ Credit 2
  - ☐ Credit 3
- ☐ Use of "country drainage" versus curb and gutter conveyance and pipe
- ☐ Bioretention Cells (includes Rain Gardens)
- ☒ Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- ☐ Treebox Filter
- ☐ Water Quality Swale
- ☐ Grass Channel
- ☐ Green Roof
- ☒ Other (describe): Contech CDS

Standard 1: No New Untreated Discharges

- ☒ No new untreated discharges
- ☒ Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- ☒ Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.

Checklist (continued)

Checklist for Stormwater Report

Standard 2: Peak Rate Attenuation

☐ Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.

☐ Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.

☒ Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

Standard 3: Recharge

☒ Soil Analysis provided.

☒ Required Recharge Volume calculation provided.

☐ Required Recharge volume reduced through use of the LID site Design Credits.

☒ Sizing the infiltration, BMPs is based on the following method: Check the method used.

☒ Static ☐ Simple Dynamic ☐ Dynamic Field[1]

☐ Runoff from all impervious areas at the site discharging to the infiltration BMP.

☒ Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.

☐ Recharge BMPs have been sized to infiltrate the Required Recharge Volume.

☒ Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:

☒ Site is comprised solely of C and D soils and/or bedrock at the land surface

☐ M.G.L. c. 21E sites pursuant to 310 CMR 40.0000

☐ Solid Waste Landfill pursuant to 310 CMR 19.000

☐ Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.

☒ Calculations showing that the infiltration BMPs will drain in 72 hours are provided.

☐ Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

[1] 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.

Checklist (continued)

Checklist for Stormwater Report

Standard 3: Recharge (continued)

☐ The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.

☐ Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
- Provisions for storing materials and waste products inside or under cover;
- Vehicle washing controls;
- Requirements for routine inspections and maintenance of stormwater BMPs;
- Spill prevention and response plans;
- Provisions for maintenance of lawns, gardens, and other landscaped areas;
- Requirements for storage and use of fertilizers, herbicides, and pesticides;
- Pet waste management provisions;
- Provisions for operation and management of septic systems;
- Provisions for solid waste management;
- Snow disposal and plowing plans relative to Wetland Resource Areas;
- Winter Road Salt and/or Sand Use and Storage restrictions;
- Street sweeping schedules;
- Provisions for prevention of illicit discharges to the stormwater management system;
- Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
- Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
- List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.

☒ A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.

☒ Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:

- ☐ is within the Zone II or Interim Wellhead Protection Area
- ☐ is near or to other critical areas
- ☒ is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
- ☐ involves runoff from land uses with higher potential pollutant loads.

☐ The Required Water Quality Volume is reduced through use of the LID site Design Credits.

☒ Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.

Checklist (continued)

Checklist for Stormwater Report

Standard 4: Water Quality (continued)

☒ The BMP is sized (and calculations provided) based on:

- ☒ The ½" or 1" Water Quality Volume or
- ☐ The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.

☐ The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.

☐ A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

☐ The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.

☐ The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted ***prior to*** the discharge of stormwater to the post-construction stormwater BMPs.

☒ The NPDES Multi-Sector General Permit does ***not*** cover the land use.

☐ LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.

☐ All exposure has been eliminated.

☐ All exposure has ***not*** been eliminated and all BMPs selected are on MassDEP LUHPPL list.

☐ The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

Standard 6: Critical Areas

☐ The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.

☐ Critical areas and BMPs are identified in the Stormwater Report.

Checklist (continued)

Checklist for Stormwater Report

Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

☐ The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:

- ☐ Limited Project
- ☐ Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
- ☐ Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
- ☐ Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
- ☐ Bike Path and/or Foot Path
- ☐ Redevelopment Project
- ☐ Redevelopment portion of mix of new and redevelopment.

☐ Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.

☐ The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
- Construction Period Operation and Maintenance Plan;
- Names of Persons or Entity Responsible for Plan Compliance;
- Construction Period Pollution Prevention Measures;
- Erosion and Sedimentation Control Plan Drawings;
- Detail drawings and specifications for erosion control BMPs, including sizing calculations;
- Vegetation Planning;
- Site Development Plan;
- Construction Sequencing Plan;
- Sequencing of Erosion and Sedimentation Controls;
- Operation and Maintenance of Erosion and Sedimentation Controls;
- Inspection Schedule;
- Maintenance Schedule;
- Inspection and Maintenance Log Form.

☒ A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.

Checklist (continued)

Checklist for Stormwater Report

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

☐ The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has ***not*** been included in the Stormwater Report but will be submitted ***before*** land disturbance begins.

☐ The project is ***not*** covered by a NPDES Construction General Permit.

☐ The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.

☒ The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

Standard 9: Operation and Maintenance Plan

☒ The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:

- ☒ Name of the stormwater management system owners;
- ☒ Party responsible for operation and maintenance;
- ☒ Schedule for implementation of routine and non-routine maintenance tasks;
- ☒ Plan showing the location of all stormwater BMPs maintenance access areas;
- ☐ Description and delineation of public safety features;
- ☐ Estimated operation and maintenance budget; and
- ☒ Operation and Maintenance Log Form.

☐ The responsible party is ***not*** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:

- ☐ A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
- ☐ A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

Standard 10: Prohibition of Illicit Discharges

☒ The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;

☒ An Illicit Discharge Compliance Statement is attached;

☐ NO Illicit Discharge Compliance Statement is attached but will be submitted ***prior to*** the discharge of any stormwater to post-construction BMPs.

III. Hydrologic Analysis

Existing Site Characteristics

In general, the property is irregular in shape and fronts Elm Street and bounded by Route 495 to the north and Route 95 to the east. We have limited our drainage analysis area to the upland area where the site will be disturbed and developed. Most of the development area is currently undeveloped with a mix of woodlands and mowed hay fields. See the accompanying plan for a more detailed description of the existing site conditions and topography.

The lot consists of eight soil groups: Woodbridge fine sandy loam, 300B (Hydrologic soil group C/D); Scantic silt loam, 16A (Hydrologic soil group C/D); Ridgebury and Leicester fine sandy loams, 7i5B (Hydrologic soil group D); Charton-Roack outcrop-Hollis, 711B (Hydrologic Soil Group A); Windsor loamy-sand (Hydrologic soil group A); Deerfield loamy fine sand, 256A (Hydrologic soil group A);

Numerous test pits and soil probes were performed onsite throughout 2024. The probes indicated C/D soils being present on the north side of the site and A soils on the south side of the development area confirming the NCRS soil map. See Appendix E for the NRCS soil map. The probes were performed to a depth of 36 inches with the intent of confirming the hydrologic drainage class with full depth test pits to be performed for the detailed drainage design.

Proposed Site Features

The Applicant proposes to construct 375 residential units with the associated roadways, parking and walks for access. The project additionally provides recreational amenities including pool and pickleball courts. Access to the property will be from Elm Street. The development area will impact about 33 acres of land.

In order to address stormwater management regulations, catch basins, water quality units, and infiltration areas are proposed to treat, store, and infiltrate runoff.

WATERSHED ANALYSIS AND METHODOLOGY

The stormwater runoff management system was analyzed using the storm events of the 2-year, 10-year, 25-year, and 100-year frequency. The analysis was performed using HydroCAD, version 10.00. Using USDA NRCS TR-20 and TR-55 methods of estimating runoff, the program uses the measured characteristics of the site and computes runoff produced by simulated rainfall events. The results are then used to design runoff control structures.

Existing drainage area boundaries were developed using an onsite topographic survey performed by GM2 associates used for the Order of Resource Delineation for the development area.

Proposed site development drainage area boundaries were developed from proposed grades and ground cover designed to minimize site storm water management structure requirements.

Hydrologic soil groups and curve numbers were estimated for existing and proposed developed conditions using available NRCS Soil Maps, current vegetation, and terrain.

DRAINAGE ANALYSIS

The purpose of the drainage analysis is two-fold. The first is to analyze and quantify the pre-development runoff flows through the site. The second purpose is to evaluate the impact of the proposed development on drainage patterns and flows, both within and outside the site, and to design a stormwater management system to adequately convey post-development runoff.

The design of the stormwater management system has the following goals:

1.) Minimize or eliminate erosion and sedimentation during construction as well as after development.

2.) To ensure that post-development flows do not have an adverse effect on downstream drainage structures and landowners.

3.) To design a stormwater and treatment system which will carry the surface runoff and satisfy goals one and two.

To determine the hydrological effect of the proposed development on the watershed, the existing conditions must first be analyzed.

WATERSHED DESCRIPTION: EXISTING CONDITIONS

Depending on the soil classification, type of ground cover present and the direction of the flow of runoff, the existing site is divided into two major watershed areas. One watershed “E1” includes a 12-acre area on the northern side of the property that is directed to the adjacent wetlands that flow to the perennial stream northwest of the development The second water shed areas “E3A” and “E3B” includes 22 acres of land directed to the wetlands to the south that flow into the perennial stream south of the development area. This watershed has been divied into two design points. One is that areas that flow to the upstream portion of the watershed prior to the existing culverts within the perennial stream and the other is downstream of the perennial stream. There is a third watershed area “E2” with 5 acres of land that flows into an isolated wetland. This drainage area eventually flows to design point E3. See the attached watershed plans for the watershed area boundaries and the pre-development time of concentration flow paths.

WATERSHED ANALYSIS: EXISTING CONDITIONS

The existing conditions were modeled using the tabular hydrograph method with a Type III synthetic storm distribution for the 2, 10, and 100-year storm recurrence intervals. Runoff hydrographs were produced to estimate existing peak discharge.

Flows for the three storm simulations are as follows:

Existing (Pre-development) Peak Runoff Rates (c.f.s.)

Subcatchment	Size	2 Yr	10 Yr	100 Yr
	(Acres)	Storm	Storm	Storm
DP 1	12.05	0.13	3.11	28.17
DP 2	4.77	3.45	8.60	23.34
DP 3A	11.22	0.00	0.06	5.49
DP 3B	11.00	1.45	9.40	40.67

The pre-development drainage calculations can be found in Appendix A.

WATERSHED DESCRIPTION: POST-DEVELOPMENT CONDITIONS

To determine the post development runoff, new watersheds, runoff curve numbers and times of concentration were generated reflecting the changes in the topography and surface cover. The post-development watersheds are shown on the attached plans (Watersheds and HydroCad Data, sheet 2 of 2).

The proposed watershed areas are broken into multiple sub-catchment areas and directed to stormwater mitigation areas to provide recharge to groundwater, water quality treatment and peak rate mitigation. Sub-catchment areas P1A – P1AA are directed to to various stormwater management areas and ultimately drain to design point 1. Two infiltration basins and one subsurface infiltration area are proposed to provide stormwater mitigation for this design point. Sub-catchment areas P2A - P2AA are directed to design point 2. Three subsurface infiltration areas are proposed to provide stormwater mitigation for this design point. Sub-catchment areas P3A – P3WWW and P2E- P2I and P2X are directed to design point 3. Four constructed stormwater wetlands, three infiltration basins, three subsurface infiltration areas, and two subsurface detention areas are proposed to provide stormwater mitigation for this design point.

WATERSHED ANALYSIS: POST-DEVELOPMENT CONDITIONS

The proposed developed conditions were modeled using the tabular hydrograph method with a Type III synthetic storm distribution for the 2, 10, and 100-year storm recurrence intervals. Runoff hydrographs were produced to estimate the post-development peak discharge rates. The model uses the Northeast Regional Climate Center Precipitation Data for the 2-year, 10-year and 100-year 24-hour storm events. This correlates to 3.10" for the 2-year, 4.83" for the 10-year and 8.94" for the 100-year storm event. As the design is refined the pond sizes will most likely be reduced in size with the current design taking the most conservative approach. The provided mitigation reduces the runoff rates for Design Points 1, 2, and 3 for the 2-, 10-, and 100-year storm events.

Flows for the three storm simulations are as follows:

Post-Developed Peak Runoff Rates (c.f.s.)

Subcatchment	Size (Acres)	2 Yr Storm	10 Yr Storm	100 Yr Storm
DP 1	8.75	0.04	2.98	27.72
DP 2	3.23	1.46	7.16	21.18
DP 3A	15.80	0.00	0.04	3.51
DP 3B	10.47	1.25	9.25	34.16

Given the reduction of rainfall intensities for all storm events the proposed project complies with standard 2.

The post-development drainage calculations can be found in Appendix B.

IV. Stormwater Recharge Calculations

Stormwater Recharge Calculations

Calculations were performed to ensure that the proposed project will comply with the groundwater recharge requirements of the Mass **DEP** Stormwater Management Standards. The required recharge volume was calculated as follows:

The Required Recharge Volume equals a depth of runoff corresponding to the soil type times the impervious areas located on site.

Rv = Fx Impervious area Where:

Rv = Required Recharge Volume, expressed in cubic feet

F = Target Depth Factor associated with each Hydrologic Soil

Group Impervious Area = pavement and rooftop area on site

For the proposed project:

Required Recharge volume, Rv (C soil) = F * impervious area
= 0.25 in * 346,302 s.f.
= 7,215 c.f.
Rv (A soil) =F*impervious area
=0.60in * 381,585
=19,079 c.f.

Total Required Recharge Volume = 26,294 c.f.

Total Recharge provided

Inf. Basin 1 = 6,011 c.f.
Inf. Basin 2 = 12,993 c.f.
Inf. Basin 3 = 16,654 c.f.
Inf. Basin 4 = 6,015 c.f.
Inf. Basin 5= 11,936 c.f.
Inf. Basin 6= 1,469 c.f.
Sub. Inf. 1a= 479 c.f.
Sub, Inf. 1b =2,788 c.f.
Sub. Inf. 2 = 5,009 c.f.
Sub. Inf. 3 = 4,704 c.f.
Sub. Inf. 4 = 4,835 c.f.
Sub. Inf. 5= 1,699 c.f.
Sub. Inf. 6= 1,612 c.f.
Sub. Inf. 7= 1,176 c.f.
Sub. Inf. 7= 1,394 c.f.

Total Recharge provided = 78,734 c.f.

The project exceeds the requirements and will fully comply with Standard 3.

V. TSS Removal Calculations

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

TSS Removal Calculation Worksheet

Location: Pretreatment Inf. Basin 1

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

TSS Removal Calculation Worksheet

Location: Pretreatment Inf. Basin 2

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

TSS Removal Calculation Worksheet

Location: Pretreatment Inf. Basin 3

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

TSS Removal Calculation Worksheet

Location: Pretreatment Inf. Basin 4

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

Location: Pretreatment Sub. Inf. 1A

TSS Removal Calculation Worksheet

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 12/5/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

TSS Removal Calculation Worksheet

Location: Pretreatment Sub. Inf. 1B

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 12/5/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

TSS Removal Calculation Worksheet

Location: Pretreatment Sub. Inf. 2

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

Location: Pretreatment Sub. Inf. 3

TSS Removal Calculation Worksheet

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:

Non-automated: Mar. 4, 2008

1. Sheet is nonautomated. Print sheet and complete using hand calculations. Column A and B: See MassDEP Structural BMP Table
2. The calculations must be completed using the Column Headings specified in Chart and Not the Excel Column Headings
3. To complete Chart Column D, multiple Column B value within Row x Column C value within Row
4. To complete Chart Column E value, subtract Column D value within Row from Column C within Row
5. Total TSS Removal = Sum All Values in Column D

Location: Pretreatment Sub. Inf. 8

TSS Removal Calculation Worksheet

A BMP[1]	B TSS Removal Rate[1]	C Starting TSS Load*	D Amount Removed (B*C)	E Remaining Load (C-D)
Deep Sump Catch Basin	**0.25**	**1.00**	**0.25**	**0.75**
Contech CDS	**0.80**	**0.75**	**0.60**	**0.15**

Total TSS Removal = **85%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407

Prepared By: JTM

Date: 12/5/2025

*Equals remaining load from previous BMP (E) which enters the BMP

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Infiltration Basin 1

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Infiltration Basin	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:

Version 1, Automated: Mar. 4, 2008

1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Location: Infiltration Basin 2

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Infiltration Basin	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed

1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Infiltration Basin 3

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Infiltration Basin	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Infiltration Basin 4

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Infiltration Basin	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Infiltration Basin 5

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Infiltration Basin	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Infiltration Basin 6

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Infiltration Basin	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 12/5/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:

Version 1, Automated: Mar. 4, 2008

1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Location: Sub. Inf. 1A

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 12/5/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed

1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:

Version 1, Automated: Mar. 4, 2008

1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Location: Sub. Inf. 1B

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 12/5/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed

1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Sub. Inf. 2

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:

Version 1, Automated: Mar. 4, 2008

1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Location: Sub. Inf. 3

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed

1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Sub. Inf. 4

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:

Version 1, Automated: Mar. 4, 2008

1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Location: Sub. Inf. 5

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed

1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:

Version 1, Automated: Mar. 4, 2008

1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Location: Sub. Inf. 7

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 8/11/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed

1. From MassDEP Stormwater Handbook Vol. 1

INSTRUCTIONS:
1. In BMP Column, click on Blue Cell to Activate Drop Down Menu
2. Select BMP from Drop Down Menu
3. After BMP is selected, TSS Removal and other Columns are automatically completed.

Version 1, Automated: Mar. 4, 2008

Location: Sub. Inf. 8

TSS Removal Calculation Worksheet

B BMP[1]	C TSS Removal Rate[1]	D Starting TSS Load*	E Amount Removed (C*D)	F Remaining Load (D-E)
Subsurface Infiltration Structure	**0.80**	**1.00**	**0.80**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**
	0.00	**0.20**	**0.00**	**0.20**

Total TSS Removal = **80%**

Separate Form Needs to be Completed for Each Outlet or BMP Train

Project: M244407
Prepared By: JTM
Date: 12/5/2025

*Equals remaining load from previous BMP (E) which enters the BMP

Non-automated TSS Calculation Sheet must be used if Proprietary BMP Proposed
1. From MassDEP Stormwater Handbook Vol. 1

VI. Water Quality Calculations

Water Quality Calculations

The Massachusetts DEP requires water quality calculations based on 1/2 inch of runoff for the total impervious area associated with the proposed development. The following calculation identifies the water quality volume required.

Constructed Wetland 1

Total Impervious Area = 17,609 s.f.
17,609 s.f. * 1" / 12 (to convert to ft) = 1,467 c.f. of runoff to be treated for water quality.

The Remaining required WQV is obtained through the CDS unit (see supporting documents)

Inf. Basin 1

Total Impervious Area = 49,222 s.f.
49,222 s.f. * 1" / 12 (to convert to ft) = 4,102 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 6,011 c.f.

Sub. Inf. 1a

Total Impervious Area = 5,015 s.f.
5,015 s.f. * 1" / 12 (to convert to ft) = 418 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 479 c.f.

Sub. Inf. 1b

Total Impervious Area = 40,511 s.f.
40,511 s.f. * 1" / 12 (to convert to ft) = 3,376 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 2,788 c.f. A CDS unit is also used to achieve the WQV.

Sub. Inf. 2

Total Impervious Area = 47,350 s.f.
47,350 s.f. * 1" / 12 (to convert to ft) = 3,946 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 5,009 c.f.

Sub. Inf. 3

Total Impervious Area = 10,542 s.f.
10,542 s.f. * 1” / 12 (to convert to ft) = 879 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 4,704 c.f.

Inf. Basin 2

Total Impervious Area = 25,700 s.f.
25,700 s.f. * 1” / 12 (to convert to ft) = 2,142 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 12,381 c.f.

Inf. Basin 3

Total Impervious Area = 33,454 s.f.
33,454 s.f. * 1” / 12 (to convert to ft) = 2,788 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 16,654 c.f.

Inf. Basin 4

Total Impervious Area = 20,386 s.f.
20,386 s.f. * 1” / 12 (to convert to ft) = 1,699 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 6,015 c.f.

Inf. Basin 5

Total Impervious Area = 54,362 s.f.
54,362 s.f. * 1/2” / 12 (to convert to ft) = 2,265 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 11,936 c.f.

Sub. Inf. 4

Total Impervious Area = 16,683 s.f.
16,683 s.f. * 1/2” / 12 (to convert to ft) = 695 c.f. of runoff to be treated for water quality.

Total Impervious Area = 10,411 s.f.
10,411 s.f. * 1” / 12 (to convert to ft) = 868 c.f. of runoff to be treated for water quality.

Total WQV = 4,835 c.f.

Volume of the Rain garden below the lowest outlet = 1,699 c.f.

Constructed Wetland 2

Total Impervious Area = 18,949 s.f.
18,949 s.f. * 1/2" / 12 (to convert to ft) = 790 c.f. of runoff to be treated for water quality.

Total Impervious Area = 8,843 s.f.
8,843 s.f. * 1" / 12 (to convert to ft) = 737 c.f. of runoff to be treated for water quality.

Total WQV = 1,527 c.f.

The Remaining required WQV is obtained through the CDS unit (see supporting documents)

Sub. Inf. 5

Total Impervious Area = 13,329 s.f.
13,329 s.f. * 1/2" / 12 (to convert to ft) = 556 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 1,699 c.f.

Sub. Inf. 7

Total Impervious Area = 8,581 s.f.
8,581 s.f. * 1/2" / 12 (to convert to ft) = 358 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 1,178 c.f.

Sub. Det. 1 / Constructed Wetland 3

Total Impervious Area = 41,904 s.f.
41,904 s.f. * 1/2" / 12 (to convert to ft) = 1,746 c.f. of runoff to be treated for water quality.

The Remaining required WQV is obtained through the CDS unit (see supporting documents)

Sub. Det. 2

Total Impervious Area = 28,793 s.f.
28,793 s.f. * 1/2" / 12 (to convert to ft) = 1,200 c.f. of runoff to be treated for water quality.

The Remaining required WQV is obtained through the CDS unit (see supporting documents)

Inf. Basin 6 / Constructed Wetland 4

Total Impervious Area = 22,259 s.f.
22,259 s.f. * 1/2” / 12 (to convert to ft) = 928 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 1,469 c.f.

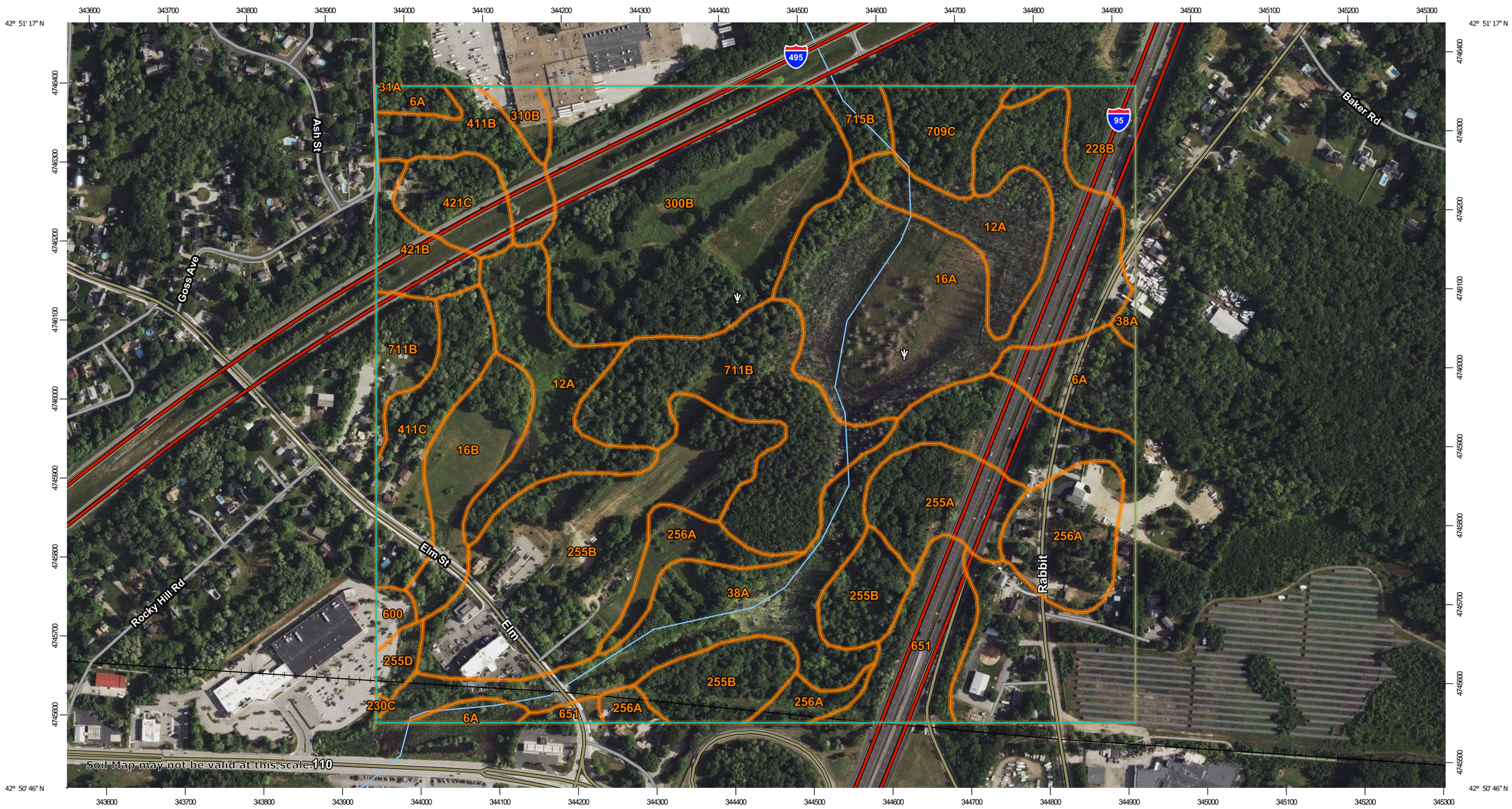
Sub. Inf. 8

Total Impervious Area = 6,016 s.f.
6,016 s.f. * 1/2” / 12 (to convert to ft) = 502 c.f. of runoff to be treated for water quality.

Volume of the Rain garden below the lowest outlet = 1,394 c.f.

VII. Soils Analysis

Soil Map—Essex County, Massachusetts, Northern Part
(soil map)



343600 343700 343800 343900 344000 344100 344200 344300 344400 344500 344600 344700 344800 344900 345000 345100 345200 345300

42° 51' 17" N — 42° 50' 46" N

70° 54' 52" W — 70° 53' 35" W

4746400 4746300 4746200 4746100 4746000 4745900 4745800 4745700 4745600 4745500

Map Scale: 1:4,720 if printed on B landscape (17" x 11") sheet.

N

0 50 100 200 300 Meters

0 200 400 800 1200 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N 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 1:15,800.

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: Essex County, Massachusetts, Northern Part
Survey Area Data: Version 20, Aug 27, 2024

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

Date(s) aerial images were photographed: May 22, 2022—Jun 5, 2022

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
6A	Scarboro mucky fine sandy loam, 0 to 3 percent slopes	5.7	2.9%
12A	Maybid silt loam, 0 to 3 percent slopes	13.4	6.9%
16A	Scantic silt loam, 0 to 3 percent slopes	22.6	11.7%
16B	Scantic silt loam, 3 to 8 percent slopes	5.7	3.0%
31A	Walpole sandy loam, 0 to 3 percent slopes	0.0	0.0%
38A	Pipestone loamy sand, 0 to 3 percent slopes	28.8	14.9%
228B	Buxton silt loam, 3 to 8 percent slopes	3.6	1.9%
230C	Unadilla very fine sandy loam, 8 to 15 percent slopes	0.1	0.0%
255A	Windsor loamy sand, 0 to 3 percent slopes	5.4	2.8%
255B	Windsor loamy sand, 3 to 8 percent slopes	24.3	12.6%
255D	Windsor loamy sand, 15 to 25 percent slopes	1.0	0.5%
256A	Deerfield loamy fine sand, 0 to 3 percent slopes	10.1	5.2%
300B	Montauk fine sandy loam, 3 to 8 percent slopes	25.9	13.4%
310B	Woodbridge fine sandy loam, 3 to 8 percent slopes	1.1	0.6%
411B	Sutton fine sandy loam, 0 to 8 percent slopes, very stony	4.4	2.3%
411C	Sutton fine sandy loam, 8 to 15 percent slopes, very stony	6.3	3.2%
421B	Canton fine sandy loam, 0 to 8 percent slopes, very stony	3.0	1.6%
421C	Canton fine sandy loam, 8 to 15 percent slopes, very stony	3.6	1.9%
600	Pits, gravel	0.7	0.4%
651	Udorthents, smoothed	6.2	3.2%
709C	Buxton-Rock outcrop complex, 8 to 15 percent slopes	3.7	1.9%
711B	Charlton-Rock outcrop-Hollis complex, 3 to 8 percent slopes	15.7	8.2%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
715B	Ridgebury and Leicester fine sandy loams, 3 to 8 percent slopes, extremely stony	1.6	0.8%
Totals for Area of Interest		**192.9**	**100.0%**

Essex County, Massachusetts, Northern Part

12A—Maybid silt loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: vjhj
Elevation: 0 to 130 feet
Mean annual precipitation: 45 to 54 inches
Mean annual air temperature: 43 to 54 degrees F
Frost-free period: 145 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Maybid and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maybid

Setting

Landform: Depressions, depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Soft silty and clayey glaciolacustrine deposits and/or firm silty marine deposits

Typical profile

H1 - 0 to 7 inches: silt loam
H2 - 7 to 19 inches: silty clay
H3 - 19 to 60 inches: silty clay

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): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Available water supply, 0 to 60 inches: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: C/D
Ecological site: F144AY020MA - Very Wet Coastal Lake Plain
Hydric soil rating: Yes

Minor Components

Scantic
Percent of map unit: 12 percent
Landform: Depressions
Hydric soil rating: Yes

Swansea
Percent of map unit: 3 percent
Landform: Bogs
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Essex County, Massachusetts, Northern Part
Survey Area Data: Version 20, Aug 27, 2024

Essex County, Massachusetts, Northern Part

711B—Charlton-Rock outcrop-Hollis complex, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: vj6y
Elevation: 0 to 260 feet
Mean annual precipitation: 45 to 54 inches
Mean annual air temperature: 43 to 54 degrees F
Frost-free period: 125 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Charlton and similar soils: 60 percent
Rock outcrop: 16 percent
Hollis and similar soils: 15 percent
Minor components: 9 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting

Landform: Hills, ridges
Landform position (two-dimensional): Backslope, footslope
Landform position (three-dimensional): Side slope, base slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Friable coarse-loamy eolian deposits over friable coarse-loamy basal till derived from granite and gneiss

Typical profile

H1 - 0 to 4 inches: fine sandy loam
H2 - 4 to 28 inches: gravelly fine sandy loam
H3 - 28 to 60 inches: gravelly fine sandy loam

Properties and qualities

Slope: 3 to 8 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Description of Rock Outcrop

Setting

Parent material: Granite and gneiss

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 0 inches to lithic bedrock

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: Unranked

Description of Hollis

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Backslope, footslope
Landform position (three-dimensional): Side slope, base slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Shallow, friable loamy basal till derived from granite and gneiss over granite and gneiss

Typical profile

O - 0 to 1 inches: muck
H2 - 1 to 6 inches: fine sandy loam
H3 - 6 to 17 inches: gravelly fine sandy loam
H4 - 17 to 20 inches: unweathered bedrock

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 10 to 60 inches to lithic bedrock
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: D
Ecological site: F144AY033MA - Shallow Dry Till Uplands
Hydric soil rating: No

Minor Components

Woodbridge
Percent of map unit: 5 percent
Hydric soil rating: No

Ridgebury
Percent of map unit: 4 percent
Landform: Depressions
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Essex County, Massachusetts, Northern Part
Survey Area Data: Version 20, Aug 27, 2024

Essex County, Massachusetts, Northern Part

256A—Deerfield loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2xfg8
Elevation: 0 to 1,100 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 145 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Deerfield and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Deerfield

Setting

Landform: Outwash terraces, outwash deltas, outwash plains, kame terraces
Landform position (three-dimensional): Tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Parent material: Sandy outwash derived from granite, gneiss, and/or quartzite

Typical profile

Ap - 0 to 9 inches: loamy fine sand
Bw - 9 to 25 inches: loamy fine sand
BC - 25 to 33 inches: fine sand
Cg - 33 to 60 inches: sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: About 15 to 37 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Sodium adsorption ratio, maximum: 11.0
Available water supply, 0 to 60 inches: Moderate (about 6.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: A
Ecological site: F144AY027MA - Moist Sandy Outwash
Hydric soil rating: No

Minor Components

Windsor
Percent of map unit: 7 percent
Landform: Outwash terraces, kame terraces, outwash deltas, outwash plains
Landform position (three-dimensional): Tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

Wareham
Percent of map unit: 5 percent
Landform: Drainageways, depressions
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Sudbury
Percent of map unit: 2 percent
Landform: Outwash plains, kame terraces, outwash deltas, outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

Ninigret
Percent of map unit: 1 percent
Landform: Kame terraces, outwash plains, outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex, linear
Across-slope shape: Convex, concave
Hydric soil rating: No

Data Source Information

Soil Survey Area: Essex County, Massachusetts, Northern Part
Survey Area Data: Version 20, Aug 27, 2024

Essex County, Massachusetts, Northern Part

255B—Windsor loamy sand, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2svkf
Elevation: 0 to 1,210 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 250 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Windsor and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Windsor

Setting

Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loose sandy glaciofluvial deposits derived from granite and/or schist and/or gneiss

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material
A - 1 to 3 inches: loamy sand
Bw - 3 to 25 inches: loamy sand
C - 25 to 65 inches: sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: A

Ecological site: F145XY008MA - Dry Outwash
Hydric soil rating: No

Minor Components

Hinckley
Percent of map unit: 10 percent
Landform: Eskers
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: F145XY008MA - Dry Outwash
Hydric soil rating: No

Deerfield, loamy sand
Percent of map unit: 5 percent
Landform: Terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F144AY027MA - Moist Sandy Outwash
Hydric soil rating: No

Data Source Information

Soil Survey Area: Essex County, Massachusetts, Northern Part
Survey Area Data: Version 20, Aug 27, 2024

Essex County, Massachusetts, Northern Part

300B—Montauk fine sandy loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2tyrh
Elevation: 0 to 1,030 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

Montauk and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Montauk

Setting

Landform: Recessionial moraines, ground moraines, hills, drumlins
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Coarse-loamy over sandy lodgment till derived from gneiss, granite, and/or schist

Typical profile

Ap - 0 to 4 inches: fine sandy loam
Bw1 - 4 to 26 inches: fine sandy loam
Bw2 - 26 to 34 inches: sandy loam
2Cd - 34 to 72 inches: gravelly loamy sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 39 inches to densic material
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 1.42 in/hr)
Depth to water table: About 18 to 37 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: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: C

Ecological site: F144AY007CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Minor Components

Scituate
Percent of map unit: 6 percent
Landform: Ground moraines, hills, drumlins
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

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

Ridgebury
Percent of map unit: 4 percent
Landform: Depressions, ground moraines, hills, drainageways
Landform position (two-dimensional): Footslope, toeslope
Landform position (three-dimensional): Head slope, base slope
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Essex County, Massachusetts, Northern Part
Survey Area Data: Version 20, Aug 27, 2024

TP-1A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-1A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 20"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
20" → 72"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	31" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; redoximorphic features observed at 31"; apparent water observed at 63"; no bedrock refusal at test hole depth.

Depth to bedrock: > 72" Seasonal High Groundwater Table: 31" Apparent water table: 63"

TP-1B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-1B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 23"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
23" → 71"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	25" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; redoximorphic features observed at 25"; apparent water observed at 62"; no bedrock refusal at test hole depth.

Depth to bedrock: > 71" Seasonal High Groundwater Table: 25" Apparent water table: 62"

TP-1C

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-1C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 21"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
21" → 68"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	27" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; ; redoximorphic features observed at 27"; apparent water observed at 60"; no bedrock refusal at test hole depth.

Depth to bedrock: > 68" Seasonal High Groundwater Table: 27" Apparent water table: 60"

TP-2A

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45º-50º F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-2A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
					BEDROCK REFUSAL AT 17”

Depth to bedrock: 17” Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-2B

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-2B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 21"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
21" → 68"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	38" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; ; redoximorphic features observed at 38"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 68" Seasonal High Groundwater Table: 38" Apparent water table: ___

TP-2C

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-2C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 22"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
22" → 58"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	36" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; ; redoximorphic features observed at 36"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 58" Seasonal High Groundwater Table: 36" Apparent water table: ___

TP-3A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-3A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 12”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
12” → 20”	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
20” → 75”	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	60” (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; redoximorphic features observed at 60”; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 75” Seasonal High Groundwater Table: 60” Apparent water table: ___

TP-3B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-3B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 19"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 80"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	58" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; redoximorphic features observed at 58"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 80" Seasonal High Groundwater Table: 58" Apparent water table: ___

TP-3C

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-3C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 20"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
20" → 70"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	51" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; redoximorphic features observed at 51"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 70" Seasonal High Groundwater Table: 51" Apparent water table: ___

TP-4A

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-4A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 26"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
26" → 70"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	28" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; redoximorphic features observed at 28"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 70" Seasonal High Groundwater Table: 28" Apparent water table: ___

TP-4B

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-4B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 12"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
12" → 27"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
27" → 67"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	30" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 30"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 67" Seasonal High Groundwater Table: 30" Apparent water table: ___

TP-4C

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-4C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 24"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
24" → 65"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	28" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 28"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 65" Seasonal High Groundwater Table: 28" Apparent water table: ___

TP-4D

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-4D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 24"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
24" → 69"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	30" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 30"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 69" Seasonal High Groundwater Table: 30" Apparent water table: ___

TP-4D

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-4D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 24"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
24" → 69"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	30" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 30"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 69" Seasonal High Groundwater Table: 30" Apparent water table: ___

TP-5A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-5A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 19"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 23" BEDROCK AT 23"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 23" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-5D

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-5D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 16"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 24" BEDROCK AT 24"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 24" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-6A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-6A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 09"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 36" BEDROCK AT 36"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 36" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-6B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45º-50º F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-6B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 11"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 24" BEDROCK AT 24"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 24" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-7A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-7A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 13" BEDROCK AT 13"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 13" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-7B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-7B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07" → 18"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 31" BEDROCK AT 31"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 31" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-7C

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-7C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 16"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 30" BEDROCK AT 31"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 31" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-8A

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-8A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 15"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.
					BEDROCK AT 15"

Depth to bedrock: 15" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-8B

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-8B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 12"	B_w	Sandy Loam Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.
					BEDROCK AT 12"

Depth to bedrock: 12" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-8C

283 Elm Street, Amesbury, Massachusetts

Date: October 12, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-8C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 14"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 23" BEDROCK AT 23"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 23" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-9A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-9A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 17"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
17" → 67"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	36" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 36"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 67" Seasonal High Groundwater Table: 36" Apparent water table: ___

TP-9B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-9B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 15"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 65"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	35" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 35"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 65" Seasonal High Groundwater Table: 35" Apparent water table: ___

TP-9C

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-9C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 16"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 69"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	38" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 38"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 69" Seasonal High Groundwater Table: 38" Apparent water table: ___

TP-9D

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-9D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 17"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
17" → 63"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	33" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 33"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 63" Seasonal High Groundwater Table: 33" Apparent water table: ___

TP-10A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-10A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 14"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 23" BEDROCK AT 23"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 23" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-10B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-10B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 31" BEDROCK AT 31"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 31" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-10C

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-10C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07" → 16"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 35" BEDROCK AT 35"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 35" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-10D

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-10D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
05" → 13"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
13" → 22" BEDROCK AT 22"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 22" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-11A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-11A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 72"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	30" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 30"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 72" Seasonal High Groundwater Table: 30" Apparent water table: ___

TP-11B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-11B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 19"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 74"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	30" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 30"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 74" Seasonal High Groundwater Table: 30" Apparent water table: ___

TP-11C

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-11C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 20"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
20" → 72"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	29" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 29"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 72" Seasonal High Groundwater Table: 29" Apparent water table: ___

TP-11D

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-11D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 12"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
12" → 34" BEDROCK AT 34"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: 34" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-12A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45º-50º F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-12A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 27" BEDROCK AT 27"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 27" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-12B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-12B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 14"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 20" BEDROCK AT 20"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 20" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-12D

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45º-50º F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-12D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 07”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07” → 18”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18” → 38” BEDROCK AT 38”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 38” Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-13A

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-13A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 69"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	35" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 35"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: > 69" Seasonal High Groundwater Table: 35" Apparent water table: ___

TP-13B

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45°-50° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-13B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 14"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 67"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	37" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 37"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: > 67" Seasonal High Groundwater Table: 37" Apparent water table: ___

TP-13C

283 Elm Street, Amesbury, Massachusetts

Date: October 11, 2024 Weather: Clear, 45º-50º F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-13C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 69"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	35" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 35"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: > 69" Seasonal High Groundwater Table: 35" Apparent water table: ___

TP-L1

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L1

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 21"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
21" → 35" Bedrock at 35"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 35" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-L2

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L2

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 16"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 40" Bedrock at 35"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 15-25% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 40" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-L3

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L3

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 11”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11” → 18”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18” → 24” Bedrock at 24”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 15-25% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 40” Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-L4

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L4

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 24" Bedrock at 24"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 24" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-L5

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L5

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 24" Bedrock at 32"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 32" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-L6

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L6

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 08”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08” → 18”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18” → 59”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	39” (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 39”; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 59” Seasonal High Groundwater Table: 39” Apparent water table: ___

TP-L7

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L7

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 07”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07” → 17”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
17” → 59”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	28” (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 28”; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 59” Seasonal High Groundwater Table: 28” Apparent water table: ___

TP-L8

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L8

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
05" → 15"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 59"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	24" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 24"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 59" Seasonal High Groundwater Table: 24" Apparent water table: ___

TP-L9

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L9

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 40"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	28" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 28"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 40" Seasonal High Groundwater Table: 28" Apparent water table: ___

TP-L10

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L10

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 09”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10” → 16”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18” → 33” Bedrock at 33”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	28” (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 28”; no apparent water observed; bedrock refusal at 33”.

Depth to bedrock: 33” Seasonal High Groundwater Table: 28” Apparent water table: ___

TP-L11

283 Elm Street, Amesbury, Massachusetts

Date: January 13, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L11

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 10”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10” → 20”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
20” → 57”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	31” (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 31”; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 57” Seasonal High Groundwater Table: 31” Apparent water table: ___

TP-L12

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L12

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 19"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 63"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	36" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 36"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 63" Seasonal High Groundwater Table: 36" Apparent water table: ___

TP-L13

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L13

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 24"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
24" → 60"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	38" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 38"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 60" Seasonal High Groundwater Table: 38" Apparent water table: ___

TP-L14

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L14

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 09”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09” → 18”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18” → 51”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	40” (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 40”; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 51” Seasonal High Groundwater Table: 40” Apparent water table: ___

TP-L15

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L15

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 19"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 61"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	35" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 35"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 61" Seasonal High Groundwater Table: 35" Apparent water table: ___

TP-L16

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L16

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 20"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 43" Bedrock at 43"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	32" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 32"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 43" Seasonal High Groundwater Table: 32" Apparent water table: ___

TP-L17

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L17

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
05" → 15"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 60"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	42" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 42"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 60" Seasonal High Groundwater Table: 42" Apparent water table: ___

TP-L18

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L18

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 05”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
05” → 13”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
13” → 22” Bedrock at 22”	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 22” Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-L19

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L19

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 19"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 43" Bedrock at 43"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	36" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 36"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 43" Seasonal High Groundwater Table: 36" Apparent water table: ___

TP-L20

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L20

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 16"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 60"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	32" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 32"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 60" Seasonal High Groundwater Table: 32" Apparent water table: ___

TP-L21

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L21

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 16"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 22" Bedrock at 22"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	none observed	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; no redoximorphic features observed; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 22" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-L22

283 Elm Street, Amesbury, Massachusetts

Date: January 14, 2025 Weather: Clear, 25°-38° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 05% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-L22

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 21"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
21" → 53"	$_2C$	Sandy Loam	2.5Y 5/3 light olive brown	36" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 10-15% sub-angular to sub-rounded gravel and 05-10% sub-rounded to angular cobble content of mixed lithology; redoximorphic features observed at 36"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 53" Seasonal High Groundwater Table: 36" Apparent water table: ___

TP-14B

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▸ TP-14B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 15"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
15" → 28"	B_C	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
28" → 68"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	48" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 48": no apparent water observed; no bedrock encountered.

Depth to bedrock: > 68" Seasonal High Groundwater Table: 48" Apparent water table: ≥ 68"

TP-14C

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ TP-14C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 16"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
16" → 27"	B_C	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
27" → 64"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	50" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 50": no apparent water observed; no bedrock encountered.

Depth to bedrock: > 64" Seasonal High Groundwater Table: 50" Apparent water table: > 64"

TP-15

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ TP-15

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
10" → 27"	B_C	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
27" → 69"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	33" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 33": no apparent water observed; no bedrock encountered.

Depth to bedrock: > 69" Seasonal High Groundwater Table: 33" Apparent water table: > 69"

TP-16A

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▶ TP-16A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
05" → 20"	B_C	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
20" → 78"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02% rounded to subrounded gravel and cobble content of mixed lithology; no seasonal high-water table observed: no apparent water observed; no bedrock encountered.

Depth to bedrock: > 78" Seasonal High Groundwater Table: > 78" Apparent water table: > 78"

TP-16B

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ TP-16B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
07" → 22"	B_C	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
22" → 60"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02% rounded to subrounded gravel and cobble content of mixed lithology; no seasonal high-water table observed: no apparent water observed; no bedrock encountered.

Depth to bedrock: > 60" Seasonal High Groundwater Table: > 60" Apparent water table: > 60"

TP-17

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▶ TP-17

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
09" → 20"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
20" → 61"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	34" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; ; redoximorphic features observed at 36"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 61" Seasonal High Groundwater Table: 34" Apparent water table: > 61"

TP-18A

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▶ TP-18A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 04"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
04" → 13"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
13" → 42" R @ 42"	2C	Sandy Loam	2.5Y 6/2 light brownish gray	35" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 05% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 35"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 42" Seasonal High Groundwater Table: 35" Apparent water table: ≥ 42"

TP-18B

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▸ TP-18B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
07" → 28"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
28" → 38" R @ 38"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	38" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 05% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 38"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 38" Seasonal High Groundwater Table: 38" Apparent water table: ≥ 38"

TP-18C

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▶ TP-18C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
05" → 22"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
22" → 35" R @ 35"	2C	Sandy Loam	2.5Y 6/2 light brownish gray	33" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 05% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 33"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: 35" Seasonal High Groundwater Table: 33" Apparent water table: ≥ 35"

TP-19A

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▸ TP-19A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
05" → 22"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
22" → 47"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	39" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 05% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 39"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: >47" Seasonal High Groundwater Table: 39" Apparent water table: ≥ 47"

TP-19A

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▶ TP-19A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
06" → 22"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
22" → 47"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	39" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 05% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 39"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: >47" Seasonal High Groundwater Table: 39" Apparent water table: ≥ 47"

TP-19B

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▸ TP-19B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
06" → 21"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
21" → 47"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	37" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 05% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 37"; no apparent water observed; bedrock refusal at test hole depth.

Depth to bedrock: >47" Seasonal High Groundwater Table: 37" Apparent water table: ≥ 47"

TP-20A

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▶ TP-20A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 04"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
04" → 18"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
18" → 49"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	39" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 05% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 39"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 49" Seasonal High Groundwater Table: 39" Apparent water table: > 49"

TP-20B

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ TP-20B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
06" → 25"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
25" → 48"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	40" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 40"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 48" Seasonal High Groundwater Table: 40" Apparent water table: > 48"

TP-20C

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▶ TP-20C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
06" → 19"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
19" → 40"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	31" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 31"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 40" Seasonal High Groundwater Table: 31" Apparent water table: > 40"

TP-21A

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▸ TP-21A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
08" → 17"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
17" → 41"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	23" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 23"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 41" Seasonal High Groundwater Table: 23" Apparent water table: > 41"

TP-21B

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ TP-21B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
06" → 20"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
20" → 43"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	30" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 30"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 43" Seasonal High Groundwater Table: 30" Apparent water table: > 43"

TP-21C

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▸ TP-21C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
05" → 21"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
21" → 40"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	29" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 29"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 40" Seasonal High Groundwater Table: 29" Apparent water table: > 40"

TP-22A

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ TP-22A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
08" → 21"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
21" → 39"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	29" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 29"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 39" Seasonal High Groundwater Table: 29" Apparent water table: > 39"

TP-22B

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▸ TP-22B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
07" → 20"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
21" → 45"	$_2C$	Sandy Loam	2.5Y 6/2 light brownish gray	30" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 30"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 45" Seasonal High Groundwater Table: 30" Apparent water table: > 45"

TP-22C

283 Elm Street, Amesbury, Massachusetts

Date: July 28, 2025 Weather: Clear, 75°-80° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ▶ TP-22C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
05" → 16"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
16" → 40"	2C	Sandy Loam	2.5Y 6/2 light brownish gray	33" (m,3,p) 5YR 5/8 Gley 1 7/N	Friable to firm; moderately compact matrix; tight in-situ; massive to subangular platy structure of moderate grade; mixed fine-to-medium grained mineral content; crudely stratified; dry matrix; non-sticky; non-plastic; well graded; approximately 15% sub-angular to sub-rounded gravel content of mixed lithology; redoximorphic features observed at 33"; no apparent water observed; no bedrock refusal at test hole depth.

Depth to bedrock: > 40" Seasonal High Groundwater Table: 33" Apparent water table: ≥ 40"

P24-1 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-1

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 17"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
17" → 36"	2C	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-2 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-2

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07" → 15"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 36"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-3 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-3

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07" → 15"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 36"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-4 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-4

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07" → 14"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 33"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-5 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▶ P24-5

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
05" → 16"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 36"	2C	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-6 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-6

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 14"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 36"	2C	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-7 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-7

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07" → 15"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 36"	2C	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-8 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-8

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 21"	B_w	Loamy Fine Sand	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
21" → 36"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-9 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-9

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 20"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
20" → 36"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-10 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-10

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 14"	A_p	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 24"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
24" → 36"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-11 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-11

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A_p	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 20"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
20" → 36"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-12 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-12

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A_p	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 18"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 36"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-13 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-13

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 15"	A_p	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 19"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 35"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	none observed	Loose; single grained/structureless; non-cohesive; mixed medium to mostly fine-grained clean sand content; dry matrix; non-sticky; non-plastic; free of clasts; no observed apparent water or seasonal high- water table.

P24-14 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-14

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A_p	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 19"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
19" → 35"	$_2C$	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-15 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-15

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 14"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 36"	2C	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-16 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-16

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 13"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
13" → 36"	$_2C$	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-17 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-17

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 07"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
07" → 16"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 36"	2C	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-18 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-18

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 22"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
22" → 36"	$_2C$	Sandy Loam fine	2.5Y 5/6 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-19 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-19

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 16"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 36"	2C	Sandy Loam fine	2.5Y 5/6 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-20 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-20

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 11"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
11" → 18"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
18" → 36"	2C	Sandy Loam fine	2.5Y 5/6 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-21 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-21

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 06"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
06" → 17"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
17" → 36"	$_2C$	Sandy Loam fine	2.5Y 5/6 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-22 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-22

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
05" → 17"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
17" → 36"	2C	Sandy Loam fine	2.5Y 5/6 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-23 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-23

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 05"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
05" → 16"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 36"	2C	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-24 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▶ P24-24

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 08"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
08" → 13"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
13" → 36"	2C	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-25 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-25

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 14"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
14" → 36"	2C	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-26 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-26

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
10" → 16"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
16" → 36"	2C	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

P24-27 PROBE

283 Elm Street, Amesbury, Massachusetts

Date: October 04, 2024 Weather: Clear, 65°-70° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ▸ P24-27

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 09"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Friable; somewhat cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
09" → 15"	B_w	Sandy Loam fine	10YR 5/4 yellowish brown	none observed	Friable; weak-grade, non-cohesive; mixed medium to mostly fine-grained mineral content; dry matrix; non-sticky; non-plastic; free of clasts.
15" → 36"	2C	Sandy Loam fine	2.5Y 5/4 light olive brown	none observed	Loose; structureless; non-cohesive; mixed medium to fine-grained mineral content; tight in-situ; dry matrix; non-sticky; non-plastic; gritty matrix; no observed apparent water or seasonal high- water table.

TP-A

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-A

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 18"					Bedrock refusal at 18"

Depth to bedrock: 18" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-B

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-B

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 36"					Bedrock refusal at 36"

Depth to bedrock: 36" Seasonal High Groundwater Table: ___ Apparent water table: ___

TP-C

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-C

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
10" → 18"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
18" → 72"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	34" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 34": no apparent water observed; no bedrock encountered.

Depth to bedrock: > 72" Seasonal High Groundwater Table: 34" Apparent water table: ___

TP-D

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-D

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 12"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
12" → 27"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
27" → 60"	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	35" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 35": no apparent water observed; no bedrock encountered.

Depth to bedrock: > 60" Seasonal High Groundwater Table: 35" Apparent water table: ___

TP-E

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-E

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 11”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
11” → 22”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
22” → 60”	$_2C$	Loamy Fine Sand	2.5Y 6/2 light brownish gray	32” (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 32”: no apparent water observed; no bedrock encountered.

Depth to bedrock: > 60” Seasonal High Groundwater Table: 32” Apparent water table: ___

TP-F

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-F

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 10"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
10" → 19"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
19" → 69"	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	34" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 34": apparent water observed at 53"; no bedrock encountered.

Depth to bedrock: > 69" Seasonal High Groundwater Table: 34" Apparent water table: 53"

TP-G

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-G

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 12"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
12" → 23"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
23" → 68"	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	35" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 35": apparent water observed at 59"; no bedrock encountered.

Depth to bedrock: > 68" Seasonal High Groundwater Table: 35" Apparent water table: 59"

TP-H

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-H

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 15"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
15" → 22"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
22" → 65"	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	34" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 34": apparent water observed at 48"; no bedrock encountered.

Depth to bedrock: > 65" Seasonal High Groundwater Table: 34" Apparent water table: 48"

TP-I

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-I

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 12"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
12" → 24"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
24" → 74"	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	42" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 42": no apparent water observed; no bedrock encountered.

Depth to bedrock: > 74" Seasonal High Groundwater Table: 42" Apparent water table: ___

TP-J

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-J

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 13"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
13" → 24"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
24" → 65"	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	36" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 36"; apparent water observed at 60"; no bedrock encountered.

Depth to bedrock: > 65" Seasonal High Groundwater Table: 36" Apparent water table: 60"

TP-K

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-K

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00” → 10”	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
10” → 19”	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
19” → 69”	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	40” (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 40”; apparent water observed at 60”; no bedrock encountered.

Depth to bedrock: > 69” Seasonal High Groundwater Table: 40” Apparent water table: 60”

TP-L

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^{+} feet Drainage way: 50^{+} feet Drinking water well: 100^{+} feet Abutting septic system: 50^{+} feet

Wetlands: 50^{+} feet Public water supply reservoir: 400^{+} feet Tributary to reservoir: 200^{+} feet

SOIL PROFILE ► TP-L

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 15"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
15" → 24"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
24" → 75"	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	43" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 43"; apparent water observed at 66"; no bedrock encountered.

Depth to bedrock: > 75" Seasonal High Groundwater Table: 43" Apparent water table: 66"

TP-M

283 Elm Street, Amesbury, Massachusetts

Date: October 16, 2025 Weather: Clear, 55°-60° F, still and dry.

Landscape: Upland Landform: Outwash plain and ground moraine Position on landscape: Tread/ flat

Slope aspect: Level Slope (%): 00 – 02% Slope complexity: Simple Land Cover: Forest and meadow grass

Property line: 10^+ feet Drainage way: 50^+ feet Drinking water well: 100^+ feet Abutting septic system: 50^+ feet

Wetlands: 50^+ feet Public water supply reservoir: 400^+ feet Tributary to reservoir: 200^+ feet

SOIL PROFILE ► TP-M

Depth below land surface (inches)	Soil Horizon/ Layer	Soil Texture (USDA/ NRCS)	Soil Color (Munsell)	Redoxomorphic Features/ ESHGWT	Consistence, grade, size, structure, grain size, soil moisture state, roots, horizon boundary, clasts, stratification, artifacts, restrictive features, etc.
00" → 13"	A	Sandy Loam fine	10YR 3/2 very dark grayish brown	none observed	Very friable; moderate-grade fine-to-medium sub-angular granular structure; slightly cohesive; fine grained mineral content; dry matrix; non-sticky; non-plastic; many shrub and tree roots; free of clasts; clear wavy boundary.
13" → 24"	B_w	Sandy Loam	10YR 5/4 yellowish brown	none observed	Very friable; weak-grade, fine, granular to sub-angular blocky structure; non-cohesive matrix; mixed medium to fine-grained mineral content; dry matrix; non-sticky; non-plastic; few tree roots; diffuse wavy boundary.
24" → 77"	$_2C$	Loamy Sand	2.5Y 6/2 light brownish gray	43" (m,3,p) 5YR 5/8 Gley 1 7/N	Loose; unstable; single grained/ structureless; non-cohesive; mixed medium-to-coarse grained mineral content; stratified; dry matrix; non-sticky; non-plastic; approximately 02-05% rounded to subrounded gravel and cobble content of mixed lithology; seasonal high-water table observed at 46"; apparent water observed at 75"; no bedrock encountered.

Depth to bedrock: > 77" Seasonal High Groundwater Table: 46" Apparent water table: 75"

SOIL SUITABILITY INFILTRATION TEST

DOUBLE RING INFILTROMETER

AMESBURY, MASSACHUSETTS

Golden Triangle, Amesbury, Massachusetts

Double Ring Infiltrometer	Infiltration Test-1	Infiltration Test-2
Depth of test:	34”	36”
Start Time (3”)	0:00 minutes	0:00 minutes
Time at 0”	5:00 minutes	9:00 minutes
Average rate of infiltration (seconds per inch)	1.66 minutes per inch 36”/hr	3.0 minutes per inch 20”/hr

SOIL SUITABILITY INFILTRATION TEST

DOUBLE RING INFILTROMETER

AMESBURY, MASSACHUSETTS

Golden Triangle, Amesbury, Massachusetts

Double Ring Infiltrometer	Infiltration Test-3	Infiltration Test-4
Depth of test:	37”	36”
Start Time (3”)	0:00 minutes	0:00 minutes
Time at 0”	2:00 minutes	4:15 minutes
Average rate of infiltration (seconds per inch)	0.66 minutes per inch 90”/hr	1.42 minutes per inch 42”/hr

SOIL SUITABILITY INFILTRATION TEST

DOUBLE RING INFILTROMETER

AMESBURY, MASSACHUSETTS

Golden Triangle, Amesbury, Massachusetts

Double Ring Infiltrometer	Infiltration Test-5	Infiltration Test-6
Depth of test:	33”	36”
Start Time (3”)	0:00 minutes	0:00 minutes
Time at 0”	2:30 minutes	5:00 minutes
Average rate of infiltration (seconds per inch)	0.92 minutes per inch 65”/hr	1.66 minutes per inch 36”hr

SOIL SUITABILITY INFILTRATION TEST

DOUBLE RING INFILTROMETER

AMESBURY, MASSACHUSETTS

Golden Triangle, Amesbury, Massachusetts

Double Ring Infiltrometer	Infiltration Test-7	Infiltration Test-8
Depth of test:	33”	38”
Start Time (3”)	0:00 minutes	0:00 minutes
Time at 0”	2:10 minutes	2:15 minutes
Average rate of infiltration (seconds per inch)	0.72 minutes per inch 83”/hr	0.75 minutes per inch 80”hr

SOIL SUITABILITY INFILTRATION TEST

DOUBLE RING INFILTROMETER

AMESBURY, MASSACHUSETTS

Golden Triangle, Amesbury, Massachusetts

Double Ring Infiltrometer	Infiltration Test-9	Infiltration Test-10
Depth of test:	33”	38”
Start Time (3”)	0:00 minutes	0:00 minutes
Time at 0”	13:00 minutes	10:30 minutes
Average rate of infiltration (seconds per inch)	4.33 minutes per inch 14”hr	3.50 minutes per inch 17”/hr

SOIL SUITABILITY INFILTRATION TEST

DOUBLE RING INFILTROMETER

AMESBURY, MASSACHUSETTS

Golden Triangle, Amesbury, Massachusetts

Double Ring Infiltrometer	Infiltration Test-11	Infiltration Test-12
Depth of test:	33”	38”
Start Time (3”)	0:00 minutes	0:00 minutes
Time at 0”	3:00 minutes	10:30 minutes
Average rate of infiltration (seconds per inch)	1.0 minute per inch 60”/hr	3.50 minutes per inch 17”/hr

SOIL SUITABILITY INFILTRATION TEST

DOUBLE RING INFILTROMETER

AMESBURY, MASSACHUSETTS

Golden Triangle, Amesbury, Massachusetts

Double Ring Infiltrometer	Infiltration Test-13	Infiltration Test
Depth of test:	33”	
Start Time (3”)	0:00 minutes	
Time at 0”	4:30 minutes	
Average rate of infiltration (seconds per inch)	1.50 minutes per inch 40”/hr	

IIX. **Appendix**

a. Groundwater Mounding Calculations

Sub. Inf. Area 1A

This spreadsheet will calculate the height of a groundwater mound beneath a stormwater infiltration basin. More information can be found in the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".

The user must specify infiltration rate (R), specific yield (Sy), horizontal hydraulic conductivity (Kh), basin dimensions (x, y), duration of infiltration period (t), and the initial thickness of the saturated zone (hi(0), height of the water table if the bottom of the aquifer is the datum). For a square basin the half width equals the half length (x = y). For a rectangular basin, if the user wants the water-table changes perpendicular to the long side, specify x as the short dimension and y as the long dimension. Conversely, if the user wants the values perpendicular to the short side, specify y as the short dimension, x as the long dimension. All distances are from the center of the basin. Users can change the distances from the center of the basin at which water-table aquifer thickness are calculated.
Cells highlighted in yellow are values that can be changed by the user. Cells highlighted in red are output values based on user-specified inputs. The user MUST click the blue "Re-Calculate Now" button each time ANY of the user-specified inputs are changed otherwise necessary iterations to converge on the correct solution will not be done and values shown will be incorrect. Use consistent units for all input values (for example, feet and days)

use consistent units (e.g. feet & days **or** inches & hours)

Input Values		
20.0000	***R***	**Recharge (infiltration) rate (feet/day)**
0.250	**Sy**	**Specific yield, Sy (dimensionless, between 0 and 1)**
200.00	**K**	**Horizontal hydraulic conductivity, Kh (feet/day)***
10.000	**x**	**1/2 length of basin (x direction, in feet)**
58.000	**y**	**1/2 width of basin (y direction, in feet)**
0.010	**t**	**duration of infiltration period (days)**
40.000	**hi(0)**	**initial thickness of saturated zone (feet)**

40.391	**h(max)**	**maximum thickness of saturated zone (beneath center of basin at end of infiltration period)**
0.391	**Δh(max)**	**maximum groundwater mounding (beneath center of basin at end of infiltration period)**

Conversion Table

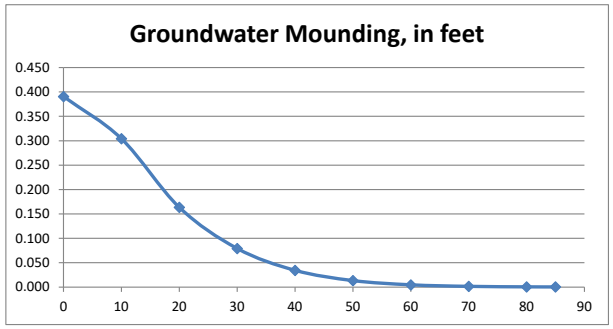
inch/hour	feet/day
0.67	1.33
2.00	4.00

hours	days
36	1.50

In the report accompanying this spreadsheet (USGS SIR 2010-5102), vertical soil permeability (ft/d) is assumed to be one-tenth horizontal hydraulic conductivity (ft/d).

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
0.391	0
0.304	10
0.164	20
0.079	30
0.035	40
0.013	50
0.005	60
0.002	70
0.001	80
0.000	85

Re-Calculate Now



Disclaimer

This spreadsheet solving the Hantush (1967) equation for ground-water mounding beneath an infiltration basin is made available to the general public as a convenience for those wishing to replicate values documented in the USGS Scientific Investigations Report 2010-5102 "Groundwater mounding beneath hypothetical stormwater infiltration basins" or to calculate values based on user-specified site conditions. Any changes made to the spreadsheet (other than values identified as user-specified) after transmission from the USGS could have unintended, undesirable consequences. These consequences could include, but may not be limited to: erroneous output, numerical instabilities, and violations of underlying assumptions that are inherent in results presented in the accompanying USGS published report. The USGS assumes no responsibility for the consequences of any changes made to the spreadsheet. If changes are made to the spreadsheet, the user is responsible for documenting the changes and justifying the results and conclusions.

Sub. Inf. Area 2

This spreadsheet will calculate the height of a groundwater mound beneath a stormwater infiltration basin. More information can be found in the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".

The user must specify infiltration rate (R), specific yield (Sy), horizontal hydraulic conductivity (Kh), basin dimensions (x, y), duration of infiltration period (t), and the initial thickness of the saturated zone (hi(0), height of the water table if the bottom of the aquifer is the datum). For a square basin the half width equals the half length (x = y). For a rectangular basin, if the user wants the water-table changes perpendicular to the long side, specify x as the short dimension and y as the long dimension. Conversely, if the user wants the values perpendicular to the short side, specify y as the short dimension, x as the long dimension. All distances are from the center of the basin. Users can change the distances from the center of the basin at which water-table aquifer thickness are calculated.
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use consistent units (e.g. feet & days **or** inches & hours)

Input Values		
40.0000	***R***	**Recharge (infiltration) rate (feet/day)**
0.250	**Sy**	**Specific yield, Sy (dimensionless, between 0 and 1)**
400.00	**K**	**Horizontal hydraulic conductivity, Kh (feet/day)***
15.000	**x**	**1/2 length of basin (x direction, in feet)**
69.000	**y**	**1/2 width of basin (y direction, in feet)**
0.030	**t**	**duration of infiltration period (days)**
40.000	**hi(0)**	**initial thickness of saturated zone (feet)**

Conversion Table

inch/hour	feet/day
0.67	1.33
2.00	4.00

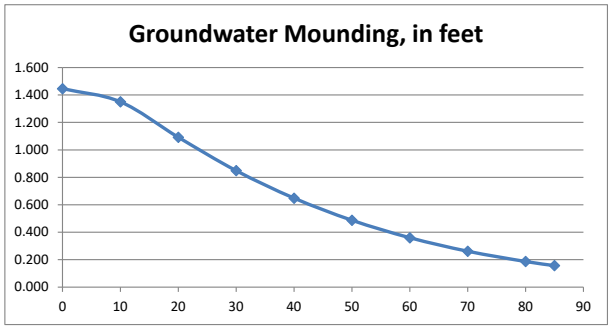
hours	days
36	1.50

In the report accompanying this spreadsheet (USGS SIR 2010-5102), vertical soil permeability (ft/d) is assumed to be one-tenth horizontal hydraulic conductivity (ft/d).

41.446	**h(max)**	**maximum thickness of saturated zone (beneath center of basin at end of infiltration period)**
1.446	**Δh(max)**	**maximum groundwater mounding (beneath center of basin at end of infiltration period)**

Ground-water Mounding, in feet	**Distance from center of basin in x direction, in feet**
1.446	**0**
1.350	**10**
1.092	**20**
0.849	**30**
0.649	**40**
0.487	**50**
0.360	**60**
0.262	**70**
0.187	**80**
0.157	**85**

Re-Calculate Now



Disclaimer

This spreadsheet solving the Hantush (1967) equation for ground-water mounding beneath an infiltration basin is made available to the general public as a convenience for those wishing to replicate values documented in the USGS Scientific Investigations Report 2010-5102 "Groundwater mounding beneath hypothetical stormwater infiltration basins" or to calculate values based on user-specified site conditions. Any changes made to the spreadsheet (other than values identified as user-specified) after transmission from the USGS could have unintended, undesirable consequences. These consequences could include, but may not be limited to: erroneous output, numerical instabilities, and violations of underlying assumptions that are inherent in results presented in the accompanying USGS published report. The USGS assumes no responsibility for the consequences of any changes made to the spreadsheet. If changes are made to the spreadsheet, the user is responsible for documenting the changes and justifying the results and conclusions.

Sub. Inf. Area 3

This spreadsheet will calculate the height of a groundwater mound beneath a stormwater infiltration basin. More information can be found in the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".

The user must specify infiltration rate (R), specific yield (Sy), horizontal hydraulic conductivity (Kh), basin dimensions (x, y), duration of infiltration period (t), and the initial thickness of the saturated zone (hi(0), height of the water table if the bottom of the aquifer is the datum). For a square basin the half width equals the half length (x = y). For a rectangular basin, if the user wants the water-table changes perpendicular to the long side, specify x as the short dimension and y as the long dimension. Conversely, if the user wants the values perpendicular to the short side, specify y as the short dimension, x as the long dimension. All distances are from the center of the basin. Users can change the distances from the center of the basin at which water-table aquifer thickness are calculated.
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use consistent units (e.g. feet & days **or** inches & hours)

Conversion Table

inch/hour	feet/day
0.67	1.33
2.00	4.00

hours	days
36	1.50

In the report accompanying this spreadsheet (USGS SIR 2010-5102), vertical soil permeability (ft/d) is assumed to be one-tenth horizontal hydraulic conductivity (ft/d).

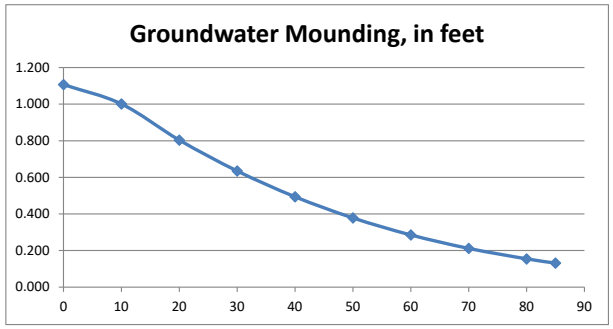
Input Values

22.0000	***R***	**Recharge (infiltration) rate (feet/day)**
0.250	**Sy**	**Specific yield, Sy (dimensionless, between 0 and 1)**
220.00	**K**	**Horizontal hydraulic conductivity, Kh (feet/day)***
10.000	**x**	**1/2 length of basin (x direction, in feet)**
83.000	**y**	**1/2 width of basin (y direction, in feet)**
0.060	**t**	**duration of infiltration period (days)**
40.000	**hi(0)**	**initial thickness of saturated zone (feet)**

41.107	**h(max)**	**maximum thickness of saturated zone (beneath center of basin at end of infiltration period)**
1.107	**Δh(max)**	**maximum groundwater mounding (beneath center of basin at end of infiltration period)**

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.107	0
1.001	10
0.804	20
0.635	30
0.494	40
0.378	50
0.285	60
0.212	70
0.155	80
0.131	85

Re-Calculate Now



Disclaimer

This spreadsheet solving the Hantush (1967) equation for ground-water mounding beneath an infiltration basin is made available to the general public as a convenience for those wishing to replicate values documented in the USGS Scientific Investigations Report 2010-5102 "Groundwater mounding beneath hypothetical stormwater infiltration basins" or to calculate values based on user-specified site conditions. Any changes made to the spreadsheet (other than values identified as user-specified) after transmission from the USGS could have unintended, undesirable consequences. These consequences could include, but may not be limited to: erroneous output, numerical instabilities, and violations of underlying assumptions that are inherent in results presented in the accompanying USGS published report. The USGS assumes no responsibility for the consequences of any changes made to the spreadsheet. If changes are made to the spreadsheet, the user is responsible for documenting the changes and justifying the results and conclusions.

Sub. Inf. Area 7

This spreadsheet will calculate the height of a groundwater mound beneath a stormwater infiltration basin. More information can be found in the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".

The user must specify infiltration rate (R), specific yield (Sy), horizontal hydraulic conductivity (Kh), basin dimensions (x, y), duration of infiltration period (t), and the initial thickness of the saturated zone (hi(0), height of the water table if the bottom of the aquifer is the datum). For a square basin the half width equals the half length (x = y). For a rectangular basin, if the user wants the water-table changes perpendicular to the long side, specify x as the short dimension and y as the long dimension. Conversely, if the user wants the values perpendicular to the short side, specify y as the short dimension, x as the long dimension. All distances are from the center of the basin. Users can change the distances from the center of the basin at which water-table aquifer thickness are calculated.
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use consistent units (e.g. feet & days **or** inches & hours)

Conversion Table

inch/hour	feet/day
0.67	1.33
2.00	4.00

hours	days
36	1.50

In the report accompanying this spreadsheet (USGS SIR 2010-5102), vertical soil permeability (ft/d) is assumed to be one-tenth horizontal hydraulic conductivity (ft/d).

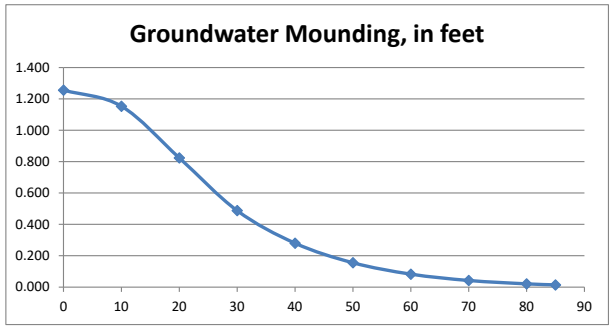
Input Values

2.0400	*R*	**Recharge (infiltration) rate (feet/day)**
0.250	Sy	**Specific yield, Sy (dimensionless, between 0 and 1)**
20.40	K	**Horizontal hydraulic conductivity, Kh (feet/day)***
19.000	x	**1/2 length of basin (x direction, in feet)**
19.000	y	**1/2 width of basin (y direction, in feet)**
0.400	t	**duration of infiltration period (days)**
20.000	hi(0)	**initial thickness of saturated zone (feet)**

21.256	h(max)	**maximum thickness of saturated zone (beneath center of basin at end of infiltration period)**
1.256	Δh(max)	**maximum groundwater mounding (beneath center of basin at end of infiltration period)**

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.256	0
1.154	10
0.824	20
0.488	30
0.280	40
0.156	50
0.083	60
0.042	70
0.021	80
0.015	85

Re-Calculate Now



Disclaimer

This spreadsheet solving the Hantush (1967) equation for ground-water mounding beneath an infiltration basin is made available to the general public as a convenience for those wishing to replicate values documented in the USGS Scientific Investigations Report 2010-5102 "Groundwater mounding beneath hypothetical stormwater infiltration basins" or to calculate values based on user-specified site conditions. Any changes made to the spreadsheet (other than values identified as user-specified) after transmission from the USGS could have unintended, undesirable consequences. These consequences could include, but may not be limited to: erroneous output, numerical instabilities, and violations of underlying assumptions that are inherent in results presented in the accompanying USGS published report. The USGS assumes no responsibility for the consequences of any changes made to the spreadsheet. If changes are made to the spreadsheet, the user is responsible for documenting the changes and justifying the results and conclusions.

Sub. Inf. Area 8

This spreadsheet will calculate the height of a groundwater mound beneath a stormwater infiltration basin. More information can be found in the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".

The user must specify infiltration rate (R), specific yield (Sy), horizontal hydraulic conductivity (Kh), basin dimensions (x, y), duration of infiltration period (t), and the initial thickness of the saturated zone (hi(0), height of the water table if the bottom of the aquifer is the datum). For a square basin the half width equals the half length (x = y). For a rectangular basin, if the user wants the water-table changes perpendicular to the long side, specify x as the short dimension and y as the long dimension. Conversely, if the user wants the values perpendicular to the short side, specify y as the short dimension, x as the long dimension. All distances are from the center of the basin. Users can change the distances from the center of the basin at which water-table aquifer thickness are calculated.
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use consistent units (e.g. feet & days **or** inches & hours)

Conversion Table

inch/hour	feet/day
0.67	1.33
2.00	4.00

hours	days
36	1.50

In the report accompanying this spreadsheet (USGS SIR 2010-5102), vertical soil permeability (ft/d) is assumed to be one-tenth horizontal hydraulic conductivity (ft/d).

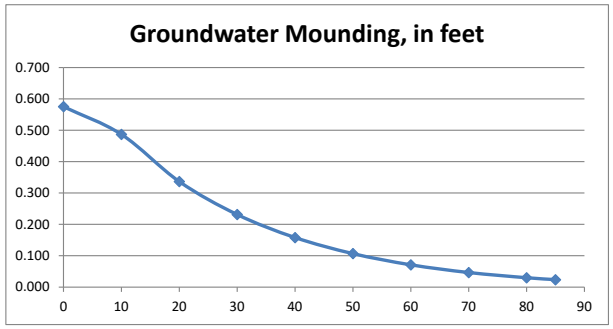
Input Values

30.0000	***R***	**Recharge (infiltration) rate (feet/day)**
0.250	**Sy**	**Specific yield, Sy (dimensionless, between 0 and 1)**
300.00	**K**	**Horizontal hydraulic conductivity, Kh (feet/day)***
10.000	**x**	**1/2 length of basin (x direction, in feet)**
23.000	**y**	**1/2 width of basin (y direction, in feet)**
0.028	**t**	**duration of infiltration period (days)**
40.000	**hi(0)**	**initial thickness of saturated zone (feet)**

40.575	**h(max)**	**maximum thickness of saturated zone (beneath center of basin at end of infiltration period)**
0.575	**Δh(max)**	**maximum groundwater mounding (beneath center of basin at end of infiltration period)**

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
0.575	0
0.487	10
0.337	20
0.232	30
0.158	40
0.107	50
0.071	60
0.047	70
0.030	80
0.024	85

Re-Calculate Now



Disclaimer

This spreadsheet solving the Hantush (1967) equation for ground-water mounding beneath an infiltration basin is made available to the general public as a convenience for those wishing to replicate values documented in the USGS Scientific Investigations Report 2010-5102 "Groundwater mounding beneath hypothetical stormwater infiltration basins" or to calculate values based on user-specified site conditions. Any changes made to the spreadsheet (other than values identified as user-specified) after transmission from the USGS could have unintended, undesirable consequences. These consequences could include, but may not be limited to: erroneous output, numerical instabilities, and violations of underlying assumptions that are inherent in results presented in the accompanying USGS published report. The USGS assumes no responsibility for the consequences of any changes made to the spreadsheet. If changes are made to the spreadsheet, the user is responsible for documenting the changes and justifying the results and conclusions.

Inf. Basin 1

This spreadsheet will calculate the height of a groundwater mound beneath a stormwater infiltration basin. More information can be found in the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".

The user must specify infiltration rate (R), specific yield (Sy), horizontal hydraulic conductivity (Kh), basin dimensions (x, y), duration of infiltration period (t), and the initial thickness of the saturated zone (hi(0), height of the water table if the bottom of the aquifer is the datum). For a square basin the half width equals the half length (x = y). For a rectangular basin, if the user wants the water-table changes perpendicular to the long side, specify x as the short dimension and y as the long dimension. Conversely, if the user wants the values perpendicular to the short side, specify y as the short dimension, x as the long dimension. All distances are from the center of the basin. Users can change the distances from the center of the basin at which water-table aquifer thickness are calculated.
Cells highlighted in yellow are values that can be changed by the user. Cells highlighted in red are output values based on user-specified inputs. The user MUST click the blue "Re-Calculate Now" button each time ANY of the user-specified inputs are changed otherwise necessary iterations to converge on the correct solution will not be done and values shown will be incorrect. Use consistent units for all input values (for example, feet and days)

use consistent units (e.g. feet & days **or** inches & hours)

Input Values		
16.5400	***R***	**Recharge (infiltration) rate (feet/day)**
0.300	**Sy**	**Specific yield, Sy (dimensionless, between 0 and 1)**
165.40	**K**	**Horizontal hydraulic conductivity, Kh (feet/day)***
32.000	**x**	**1/2 length of basin (x direction, in feet)**
30.000	**y**	**1/2 width of basin (y direction, in feet)**
0.100	**t**	**duration of infiltration period (days)**
40.000	**hi(0)**	**initial thickness of saturated zone (feet)**

Conversion Table

inch/hour	feet/day
0.67	1.33
2.00	4.00

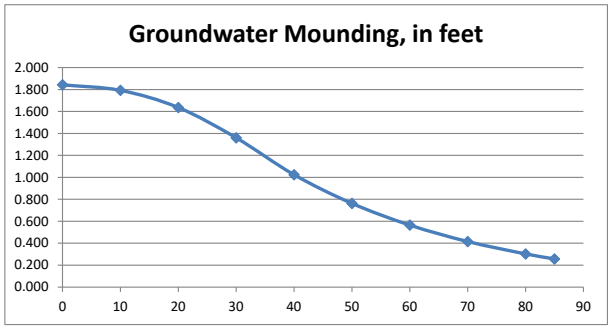
hours	days
36	1.50

In the report accompanying this spreadsheet (USGS SIR 2010-5102), vertical soil permeability (ft/d) is assumed to be one-tenth horizontal hydraulic conductivity (ft/d).

41.843	**h(max)**	**maximum thickness of saturated zone (beneath center of basin at end of infiltration period)**
1.843	**Δh(max)**	**maximum groundwater mounding (beneath center of basin at end of infiltration period)**

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.843	0
1.792	10
1.636	20
1.360	30
1.024	40
0.763	50
0.565	60
0.416	70
0.303	80
0.258	85

Re-Calculate Now



Disclaimer

This spreadsheet solving the Hantush (1967) equation for ground-water mounding beneath an infiltration basin is made available to the general public as a convenience for those wishing to replicate values documented in the USGS Scientific Investigations Report 2010-5102 "Groundwater mounding beneath hypothetical stormwater infiltration basins" or to calculate values based on user-specified site conditions. Any changes made to the spreadsheet (other than values identified as user-specified) after transmission from the USGS could have unintended, undesirable consequences. These consequences could include, but may not be limited to: erroneous output, numerical instabilities, and violations of underlying assumptions that are inherent in results presented in the accompanying USGS published report. The USGS assumes no responsibility for the consequences of any changes made to the spreadsheet. If changes are made to the spreadsheet, the user is responsible for documenting the changes and justifying the results and conclusions.

Inf. Basin 4

This spreadsheet will calculate the height of a groundwater mound beneath a stormwater infiltration basin. More information can be found in the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".

The user must specify infiltration rate (R), specific yield (Sy), horizontal hydraulic conductivity (Kh), basin dimensions (x, y), duration of infiltration period (t), and the initial thickness of the saturated zone (hi(0), height of the water table if the bottom of the aquifer is the datum). For a square basin the half width equals the half length (x = y). For a rectangular basin, if the user wants the water-table changes perpendicular to the long side, specify x as the short dimension and y as the long dimension. Conversely, if the user wants the values perpendicular to the short side, specify y as the short dimension, x as the long dimension. All distances are from the center of the basin. Users can change the distances from the center of the basin at which water-table aquifer thickness are calculated.
Cells highlighted in yellow are values that can be changed by the user. Cells highlighted in red are output values based on user-specified inputs. The user MUST click the blue "Re-Calculate Now" button each time ANY of the user-specified inputs are changed otherwise necessary iterations to converge on the correct solution will not be done and values shown will be incorrect. Use consistent units for all input values (for example, feet and days)

use consistent units (e.g. feet & days **or** inches & hours)

Input Values		
14.0000	*R*	**Recharge (infiltration) rate (feet/day)**
0.250	Sy	**Specific yield, Sy (dimensionless, between 0 and 1)**
140.00	K	**Horizontal hydraulic conductivity, Kh (feet/day)***
40.000	x	**1/2 length of basin (x direction, in feet)**
15.000	y	**1/2 width of basin (y direction, in feet)**
0.460	t	**duration of infiltration period (days)**
40.000	hi(0)	**initial thickness of saturated zone (feet)**

Conversion Table

inch/hour	feet/day
0.67	1.33
2.00	4.00

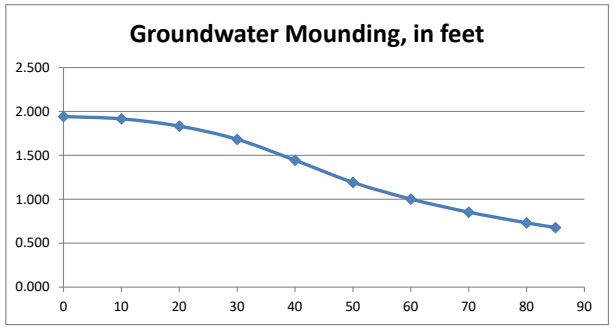
hours	days
36	1.50

In the report accompanying this spreadsheet (USGS SIR 2010-5102), vertical soil permeability (ft/d) is assumed to be one-tenth horizontal hydraulic conductivity (ft/d).

41.942	h(max)	**maximum thickness of saturated zone (beneath center of basin at end of infiltration period)**
1.942	Δh(max)	**maximum groundwater mounding (beneath center of basin at end of infiltration period)**

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.942	0
1.916	10
1.833	20
1.683	30
1.445	40
1.193	50
1.003	60
0.854	70
0.732	80
0.679	85

Re-Calculate Now



Disclaimer

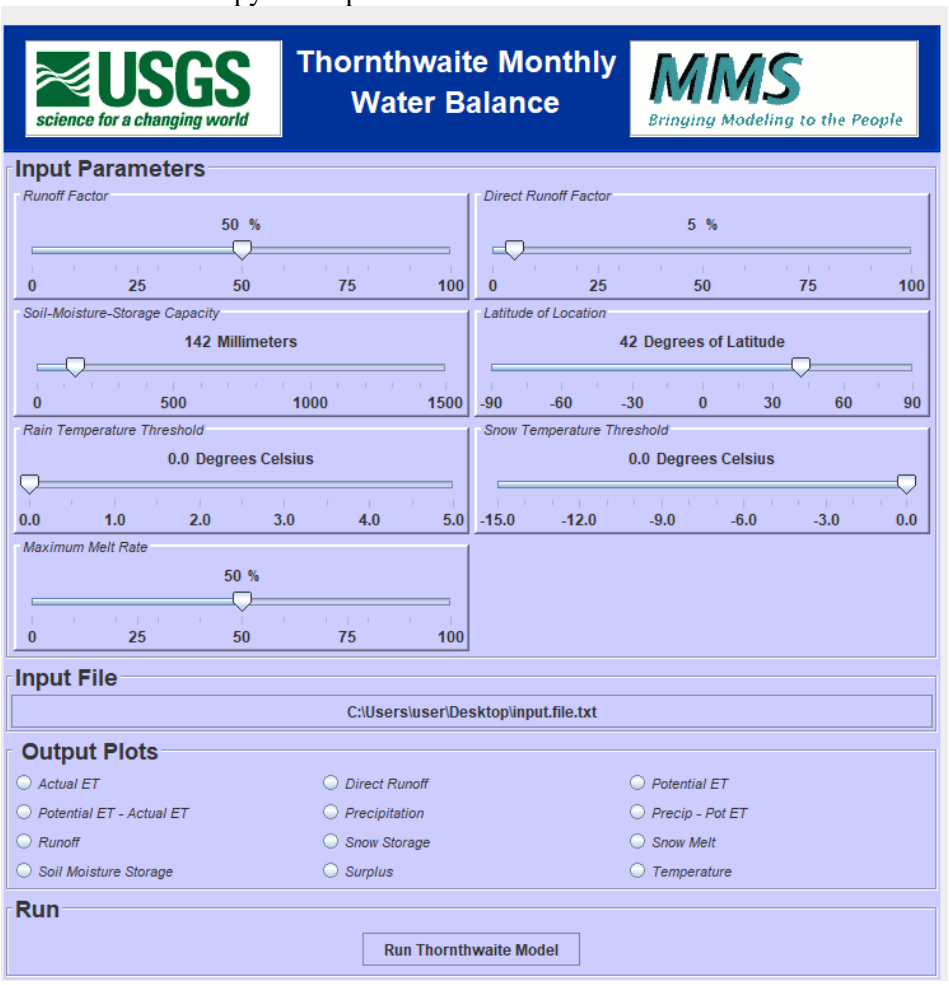
This spreadsheet solving the Hantush (1967) equation for ground-water mounding beneath an infiltration basin is made available to the general public as a convenience for those wishing to replicate values documented in the USGS Scientific Investigations Report 2010-5102 "Groundwater mounding beneath hypothetical stormwater infiltration basins" or to calculate values based on user-specified site conditions. Any changes made to the spreadsheet (other than values identified as user-specified) after transmission from the USGS could have unintended, undesirable consequences. These consequences could include, but may not be limited to: erroneous output, numerical instabilities, and violations of underlying assumptions that are inherent in results presented in the accompanying USGS published report. The USGS assumes no responsibility for the consequences of any changes made to the spreadsheet. If changes are made to the spreadsheet, the user is responsible for documenting the changes and justifying the results and conclusions.

b. Water Balance Calculations

March 20, 2026

Water Budget Analysis

Our office has performed a water budget analysis to determine the ability of the constructed wetlands to retain water to provide adequate water supply to the vegetation. Thornthwaite Monthly Water-balance calculations were performed as specified in the Stormwater Handbook. A program developed by USGS was utilized to perform the Thornthwaite calculations and the various parameters were determined based on the site location and soil classification. A copy of the parameters is shown below:



The input file requires data from several years of average monthly temperature and total rainfall amount. The input requires the temperature to be shown as degrees Celsius and the total rainfall shown in millimeters. The following tables indicate the input data used in the calculations:

2021 Average Temperature and Rainfall Data

Month	Avg. Temp Celcius	Tot. Precip. (mm)
January	-1.25	43.18
February	-2.0833	57.404
March	3.2833	44.196
April	8.5333	84.582
May	14.45	96.52
June	22	22.86
July	20.0166	261.112
August	22.3944	88.392
September	18.5611	98.044
October	13.1722	177.292
November	5.4333	56.134
December	1.5555	73.152

2022 Average Temperature and Rainfall Data

Month	Avg. Temp Celcius	Tot. Precip. (mm)
January	-4.5667	58.42
February	-0.6611	87.63
March	3.0444	51.562
April	8.4555	93.472
May	14.4611	53.34
June	18.2666	44.958
July	23.5333	91.694
August	22.2833	64.262
September	16.4666	105.41
October	11.5055	115.57
November	7.7277	74.422
December	1.0777	155.956

2023 Average Temperature and Rainfall Data

Month	Avg. Temp Celcius	Tot. Precip. (mm)
January	1.3111	138.938
February	-0.9777	23.114
March	2.8833	93.218
April	8.6277	88.9

May	14.1277	100.076
June	17.0722	89.408
July	22.4888	121.158
August	20.3055	161.798
September	18.2277	123.444
October	13.3611	70.612
November	4.1555	62.738
December	3.1055	152.146

2024 Average Temperature and Rainfall Data

Month	Avg. Temp Celcius	Tot. Precip. (mm)
January	-1.277	158.496
February	-0.07778	13.462
March	6.25	78.232
April	8.4222	86.614
May	15.1944	88.646
June	21.0611	36.576
July	24.4833	47.752
August	20.7388	137.668
September	17.5166	32.004
October	11.2111	21.844
November	7.7222	48.26
December	0.23888	100.838

2025 Average Temperature and Rainfall Data

Month	Avg. Temp Celcius	Tot. Precip. (mm)
January	-3.5833	32.258
February	-2.2888	85.598
March	4.6	46.736
April	9.5944	68.834
May	14.1888	132.842
June	20.1777	31.75
July	23.4388	37.084
August	20.6444	94.996
September	17.4666	49.276
October	12.0555	94.234

November	5.0833	40.894
December	-1.8722	72.39

The above reference data was input into the model and the following Water Balance information was calculated.

2021 Monthly Water Balance Model Output

				Soil			Snow		
Date	PET	P	P-PET	Moisture	AET	PET-AET	Storage	Surplus	ROtotal
Jan-2021	13.6	43.2	-13.6	139.8	10.2	3.4	43.2	0.0	12.7
Feb-2021	13.6	57.4	-13.6	130.3	9.5	4.1	100.6	0.0	6.3
Mar-2021	25.3	44.2	67.0	197.2	25.3	0.0	50.3	0.0	5.4
Apr-2021	40.8	84.6	64.7	200.0	40.8	0.0	25.1	62.0	36.8
May-2021	69.9	96.5	34.4	200.0	69.9	0.0	12.6	34.4	38.3
Jun-2021	115.6	22.9	-87.6	112.4	115.6	0.0	6.3	0.0	17.9
Jul-2021	102.3	261.1	152.0	200.0	102.3	0.0	0.0	64.4	53.6
Aug-2021	105.1	88.4	-21.2	178.8	105.1	-0.0	0.0	0.0	24.7
Sep-2021	67.4	98.0	25.7	200.0	67.4	0.0	0.0	4.6	17.3
Oct-2021	41.3	177.3	127.2	200.0	41.3	0.0	0.0	127.2	78.7
Nov-2021	20.7	56.1	32.7	200.0	20.7	0.0	0.0	32.7	54.0
Dec-2021	15.3	73.2	54.1	200.0	15.3	0.0	0.0	54.1	56.3

2022 Monthly Water Balance Model Output

				Soil			Snow		
Date	PET	P	P-PET	Moisture	AET	PET-AET	Storage	Surplus	ROtotal
Jan-2022	11.1	58.4	-11.1	188.9	11.1	-0.0	58.4	0.0	26.3
Feb-2022	14.9	87.6	-14.9	174.9	14.1	0.8	146.1	0.0	13.2
Mar-2022	24.9	51.6	97.1	200.0	24.9	0.0	73.0	71.9	45.1
Apr-2022	40.6	93.5	84.7	200.0	40.6	0.0	36.5	84.7	68.3
May-2022	69.9	53.3	-1.0	199.0	69.9	-0.0	18.3	0.0	34.5
Jun-2022	91.7	45.0	-39.9	159.3	91.5	0.2	9.1	0.0	18.2
Jul-2022	127.3	91.7	-31.0	134.6	121.0	6.3	0.0	0.0	12.5
Aug-2022	104.4	64.3	-43.4	105.4	90.2	14.2	0.0	0.0	7.2
Sep-2022	59.2	105.4	40.9	146.4	59.2	0.0	0.0	0.0	7.3
Oct-2022	37.2	115.6	72.6	200.0	37.2	0.0	0.0	18.9	16.2
Nov-2022	23.8	74.4	46.9	200.0	23.8	0.0	0.0	46.9	32.4
Dec-2022	14.9	156.0	133.3	200.0	14.9	0.0	0.0	133.3	88.8

2023 Monthly Water Balance Model Output

			Soil			Snow			
Date	PET	P	P-PET	Moisture	AET	PET-AET	Storage	Surplus	ROtotal
Jan-2023	15.9	138.9	116.1	200.0	15.9	0.0	0.0	116.1	105.5
Feb-2023	14.6	23.1	-14.6	185.4	14.6	-0.0	23.1	0.0	49.3
Mar-2023	24.7	93.2	75.4	200.0	24.7	0.0	11.6	60.8	59.7
Apr-2023	41.0	88.9	49.2	200.0	41.0	0.0	5.8	49.2	56.6
May-2023	68.5	100.1	32.3	200.0	68.5	0.0	0.0	32.3	47.2
Jun-2023	85.2	89.4	-0.2	199.8	85.2	0.0	0.0	0.0	25.6
Jul-2023	119.3	121.2	-4.2	195.6	119.3	0.0	0.0	0.0	16.6
Aug-2023	92.4	161.8	61.4	200.0	92.4	0.0	0.0	56.9	41.8
Sep-2023	66.0	123.4	51.2	200.0	66.0	0.0	0.0	51.2	48.7
Oct-2023	41.7	70.6	25.3	200.0	41.7	0.0	0.0	25.3	37.4
Nov-2023	19.1	62.7	40.5	200.0	19.1	0.0	0.0	40.5	40.4
Dec-2023	16.9	152.1	127.6	200.0	16.9	0.0	0.0	127.6	90.0

2024 Monthly Water Balance Model Output

			Soil			Snow			
Date	PET	P	P-PET	Moisture	AET	PET-AET	Storage	Surplus	ROtotal
Jan-2024	13.6	158.5	-13.6	186.4	13.6	-0.0	158.5	0.0	41.2
Feb-2024	15.4	13.5	-15.4	172.0	14.4	1.0	172.0	0.0	20.6
Mar-2024	30.4	78.2	129.9	200.0	30.4	0.0	86.0	101.9	65.2
Apr-2024	40.5	86.6	84.8	200.0	40.5	0.0	43.0	84.8	77.3
May-2024	73.2	88.6	32.5	200.0	73.2	0.0	21.5	32.5	57.2
Jun-2024	109.1	36.6	-63.6	136.4	109.1	0.0	10.7	0.0	28.2
Jul-2024	135.0	47.8	-84.2	79.0	108.2	26.8	5.4	0.0	15.6
Aug-2024	94.9	137.7	41.3	120.2	94.9	0.0	0.0	0.0	13.5
Sep-2024	63.2	32.0	-32.8	100.5	50.1	13.1	0.0	0.0	4.9
Oct-2024	36.5	21.8	-15.8	92.6	28.7	7.9	0.0	0.0	2.7
Nov-2024	23.8	48.3	22.0	114.6	23.8	0.0	0.0	0.0	3.2
Dec-2024	14.1	100.8	81.6	196.3	14.1	0.0	0.0	0.0	5.5

2025 Monthly Water Balance Model Output

			Soil			Snow			
Date	PET	P	P-PET	Moisture	AET	PET-AET	Storage	Surplus	ROtotal
Jan-2025	11.8	32.2	-11.8	184.7	11.5	0.2	32.2	0.0	0.2
Feb-2025	13.5	85.6	-13.5	172.3	12.4	1.0	117.8	0.0	0.1
Mar-2025	27.5	46.7	75.9	200.0	27.5	0.0	58.9	48.2	26.5
Apr-2025	43.6	68.8	51.3	200.0	43.6	0.0	29.5	51.3	41.2
May-2025	68.8	132.8	72.2	200.0	68.8	0.0	14.7	72.2	61.6
Jun-2025	103.3	31.8	-65.7	134.3	103.3	0.0	7.4	0.0	29.1
Jul-2025	126.5	37.1	-83.9	77.9	98.9	27.6	0.0	0.0	15.6
Aug-2025	94.3	95.0	-4.1	76.3	91.8	2.5	0.0	0.0	11.6
Sep-2025	63.0	49.3	-16.2	70.2	53.0	10.0	0.0	0.0	5.9
Oct-2025	38.5	94.2	51.0	121.2	38.5	0.0	0.0	0.0	6.4
Nov-2025	20.2	40.9	18.6	139.8	20.2	0.0	0.0	0.0	2.9
Dec-2025	12.4	72.4	-12.4	131.1	8.7	3.7	72.4	0.0	0.4

We have taken the output information specifically the total runoff numbers for each month and multiplied it by the area of direct runoff to each basin to determine if there would be sufficient water available to maintain the plants within the basin. This is a conservative way to calculate the available water supply as each of these basins take runoff from other areas. The results are as follows:

Constructed Wetland 1
Average Volume of Water = 6,369 c.f.
Bottom area of wetland x 1' of water = 1,184 c.f.

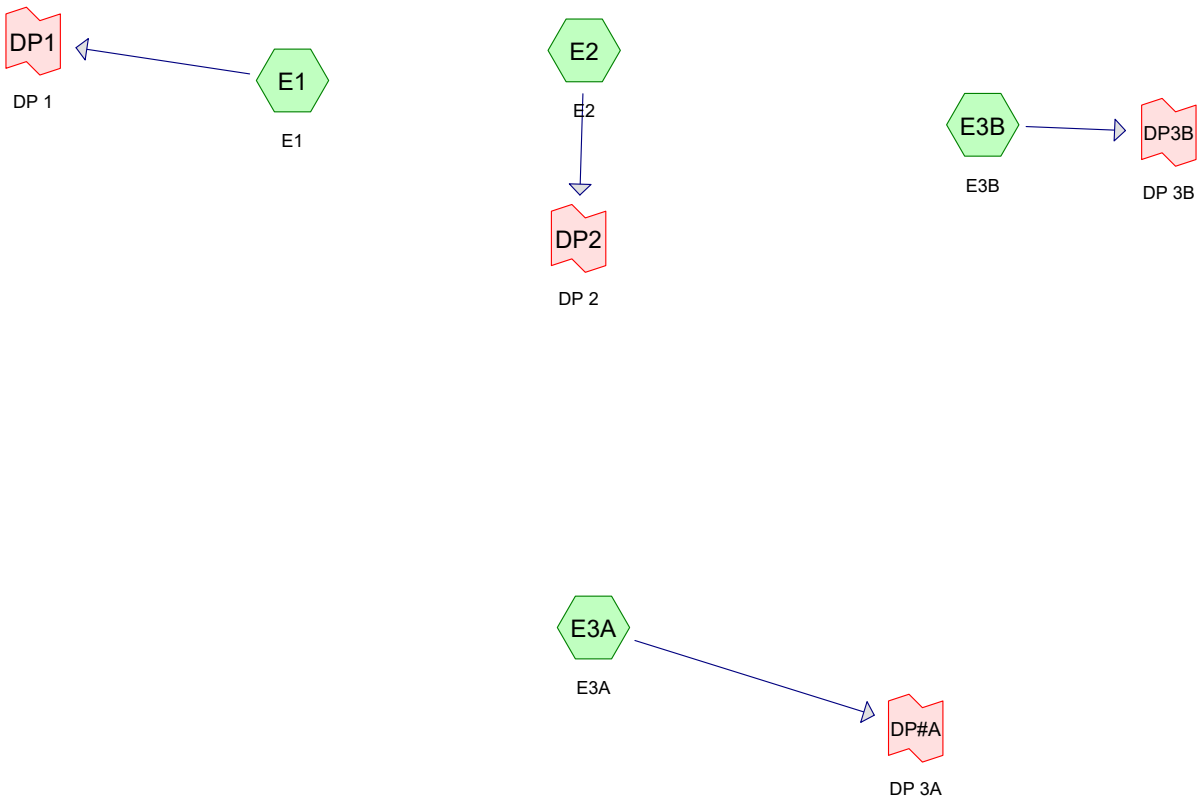
Constructed Wetland 2
Average Volume of Water = 6,275 c.f.
Bottom area of wetland x 1' of water = 1,981 c.f.

Constructed Wetland 3
Average Volume of Water = 6,429 c.f.
Bottom area of wetland x 1' of water = 1,991 c.f.

Constructed Wetland 4
Average Volume of Water = 4,671 c.f.
Bottom area of wetland x 1' of water = 1,225 c.f.

Based on the Water Balance Model and the comparison to the available water to the available volume within the wetlands, it is our opinion that there will be sufficient water available to support the three constructed wetlands proposed for this development.

c. Existing Conditions HydroCAD Report



Subcat Reach Pond Link

Routing Diagram for RH Exist 8-11-25
Prepared by Millennium Engineering, Inc, Printed 8/12/2025
HydroCAD® 10.20-7a s/n 02736 © 2025 HydroCAD Software Solutions LLC

Project Notes

Rainfall events imported from "Atlas-14-Rain.txt" for 440 MA Essex
Rainfall events imported from "Atlas-14-Rain.txt" for 440 MA Essex

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-Year	Type III 24-hr		Default	24.00	1	3.15	2
2	10-Year	Type III 24-hr		Default	24.00	1	4.83	2
3	100-Year	Type III 24-hr		Default	24.00	1	8.94	2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
7.443	39	>75% Grass cover, Good, HSG A (E1, E3A, E3B)
10.254	74	>75% Grass cover, Good, HSG C (E1, E2, E3B)
0.104	96	Gravel surface, HSG A (E3A)
0.003	98	Paved parking, HSG A (E3A)
0.102	98	Unconnected roofs, HSG A (E3A)
15.500	30	Woods, Good, HSG A (E1, E3A, E3B)
3.371	70	Woods, Good, HSG C (E1, E2)
2.272	72	Woods/grass comb., Good, HSG C (E3B)
39.049	**50**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
23.153	HSG A	E1, E3A, E3B
0.000	HSG B	
15.897	HSG C	E1, E2, E3B
0.000	HSG D	
0.000	Other	
39.049		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
7.443	0.000	10.254	0.000	0.000	17.697	>75% Grass cover, Good	E1, E2, E3A, E3B
0.104	0.000	0.000	0.000	0.000	0.104	Gravel surface	E3A
0.003	0.000	0.000	0.000	0.000	0.003	Paved parking	E3A
0.102	0.000	0.000	0.000	0.000	0.102	Unconnected roofs	E3A
15.500	0.000	3.371	0.000	0.000	18.871	Woods, Good	E1, E2, E3A, E3B
0.000	0.000	2.272	0.000	0.000	2.272	Woods/grass comb., Good	E3B
23.153	**0.000**	**15.897**	**0.000**	**0.000**	**39.049**	**TOTAL AREA**	

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment E1: E1 Runoff Area=524,797 sf 0.00% Impervious Runoff Depth>0.06"
Flow Length=238' Tc=11.3 min CN=48 Runoff=0.13 cfs 0.061 af

Subcatchment E2: E2 Runoff Area=207,938 sf 0.00% Impervious Runoff Depth>0.81"
Flow Length=504' Tc=14.9 min CN=72 Runoff=3.45 cfs 0.323 af

Subcatchment E3A: E3A Runoff Area=489,064 sf 0.94% Impervious Runoff Depth=0.00"
Flow Length=394' Slope=0.0200 '/' Tc=20.6 min CN=34 Runoff=0.00 cfs 0.000 af

Subcatchment E3B: E3B Runoff Area=479,181 sf 0.00% Impervious Runoff Depth>0.25"
Flow Length=350' Tc=9.7 min CN=57 Runoff=1.45 cfs 0.228 af

Link DP#A: DP 3A Inflow=0.00 cfs 0.000 af
Primary=0.00 cfs 0.000 af

Link DP1: DP 1 Inflow=0.13 cfs 0.061 af
Primary=0.13 cfs 0.061 af

Link DP2: DP 2 Inflow=3.45 cfs 0.323 af
Primary=3.45 cfs 0.323 af

Link DP3B: DP 3B Inflow=1.45 cfs 0.228 af
Primary=1.45 cfs 0.228 af

Total Runoff Area = 39.049 ac Runoff Volume = 0.612 af Average Runoff Depth = 0.19"
99.73% Pervious = 38.944 ac 0.27% Impervious = 0.106 ac

Summary for Subcatchment E1: E1

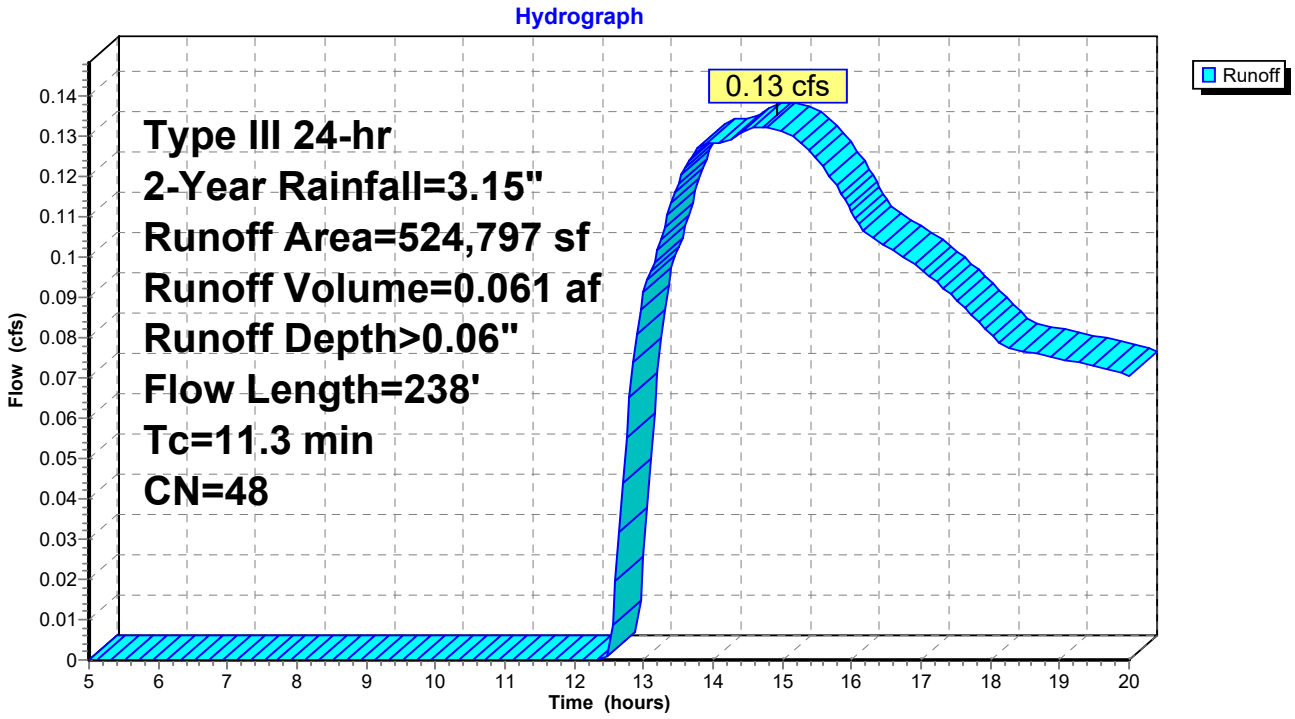
Runoff = 0.13 cfs @ 14.73 hrs, Volume= 0.061 af, Depth> 0.06"
Routed to Link DP1 : DP 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
139,246	74	>75% Grass cover, Good, HSG C
52,270	70	Woods, Good, HSG C
125,150	39	>75% Grass cover, Good, HSG A
208,131	30	Woods, Good, HSG A
524,797	48	Weighted Average
524,797		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7	50	0.0500	0.10		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
2.6	188	0.0600	1.22		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.3	238	Total			

Subcatchment E1: E1



Summary for Subcatchment E2: E2

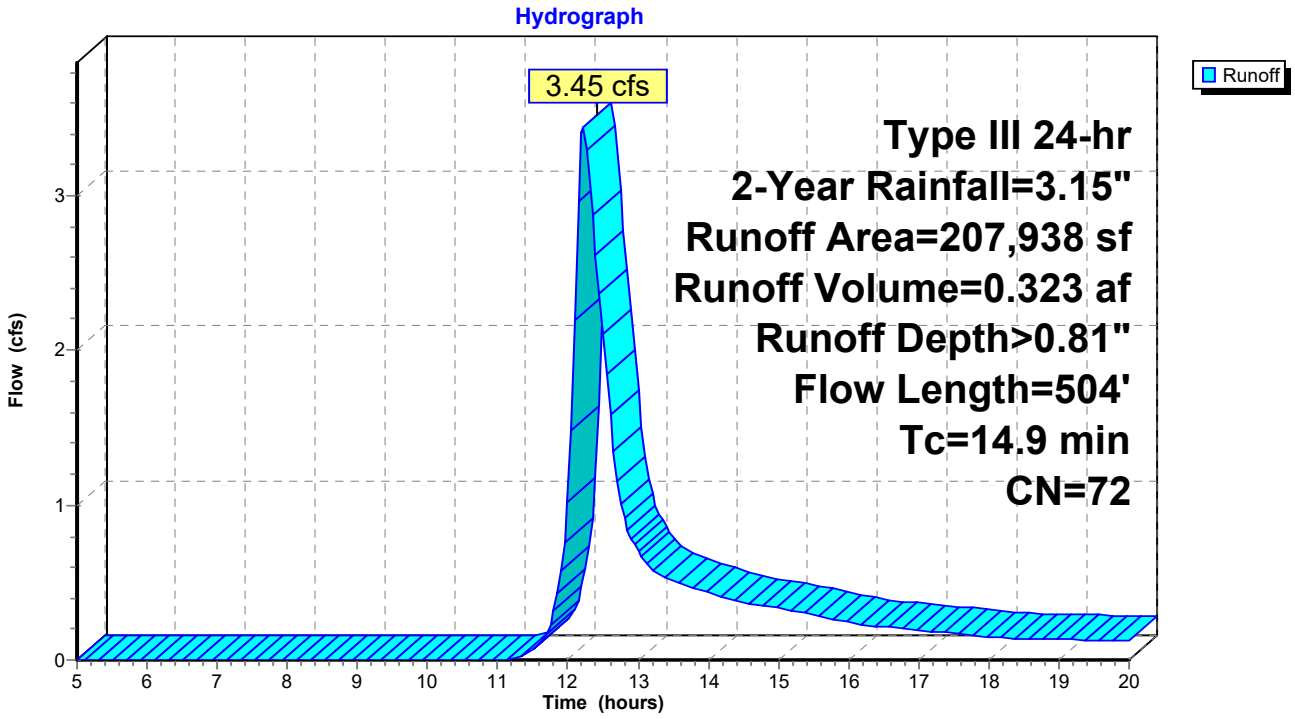
Runoff = 3.45 cfs @ 12.23 hrs, Volume= 0.323 af, Depth> 0.81"
Routed to Link DP2 : DP 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
113,380	74	>75% Grass cover, Good, HSG C
94,558	70	Woods, Good, HSG C
207,938	72	Weighted Average
207,938		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.7	50	0.0200	0.15		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
2.0	147	0.0300	1.21		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
7.2	307	0.0200	0.71		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
14.9	504	Total			

Subcatchment E2: E2



Summary for Subcatchment E3A: E3A

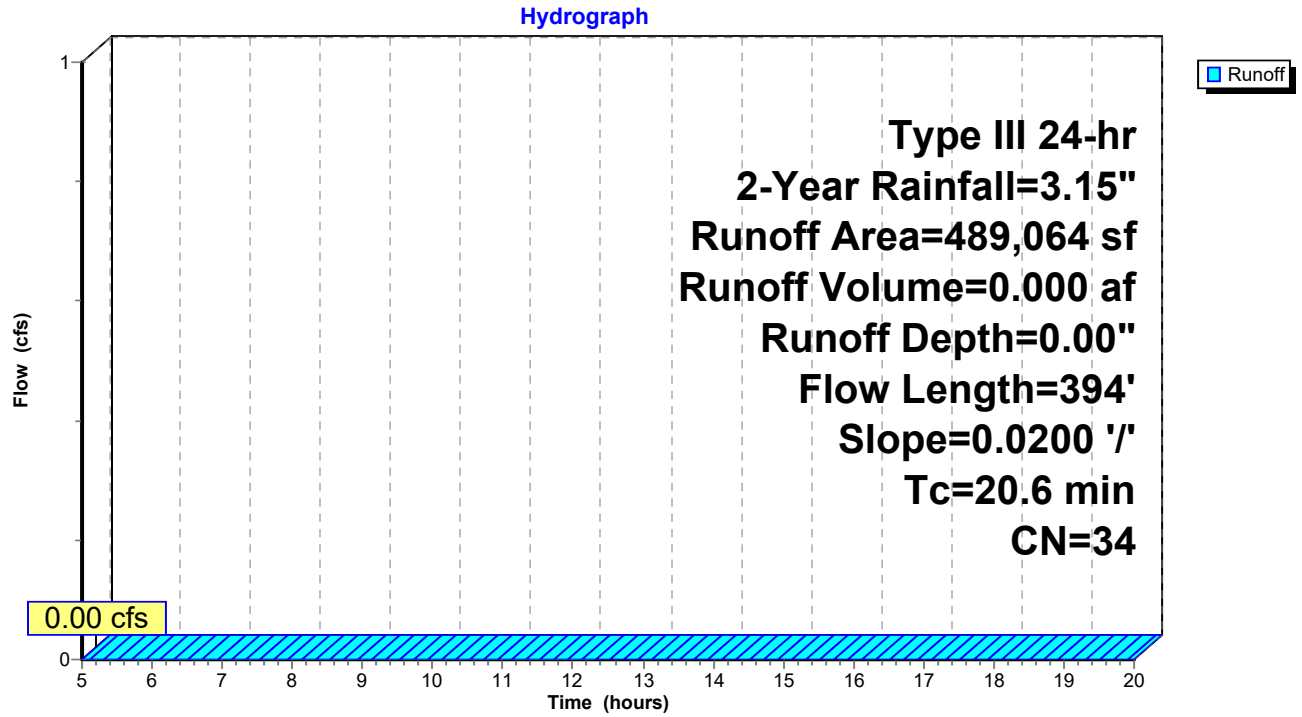
Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Link DP#A : DP 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
309,786	30	Woods, Good, HSG A
4,538	96	Gravel surface, HSG A
4,447	98	Unconnected roofs, HSG A
149	98	Paved parking, HSG A
170,144	39	>75% Grass cover, Good, HSG A
489,064	34	Weighted Average
484,468		99.06% Pervious Area
4,596		0.94% Impervious Area
4,447		96.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	50	0.0200	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
8.1	344	0.0200	0.71		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
20.6	394	Total			

Subcatchment E3A: E3A



Summary for Subcatchment E3B: E3B

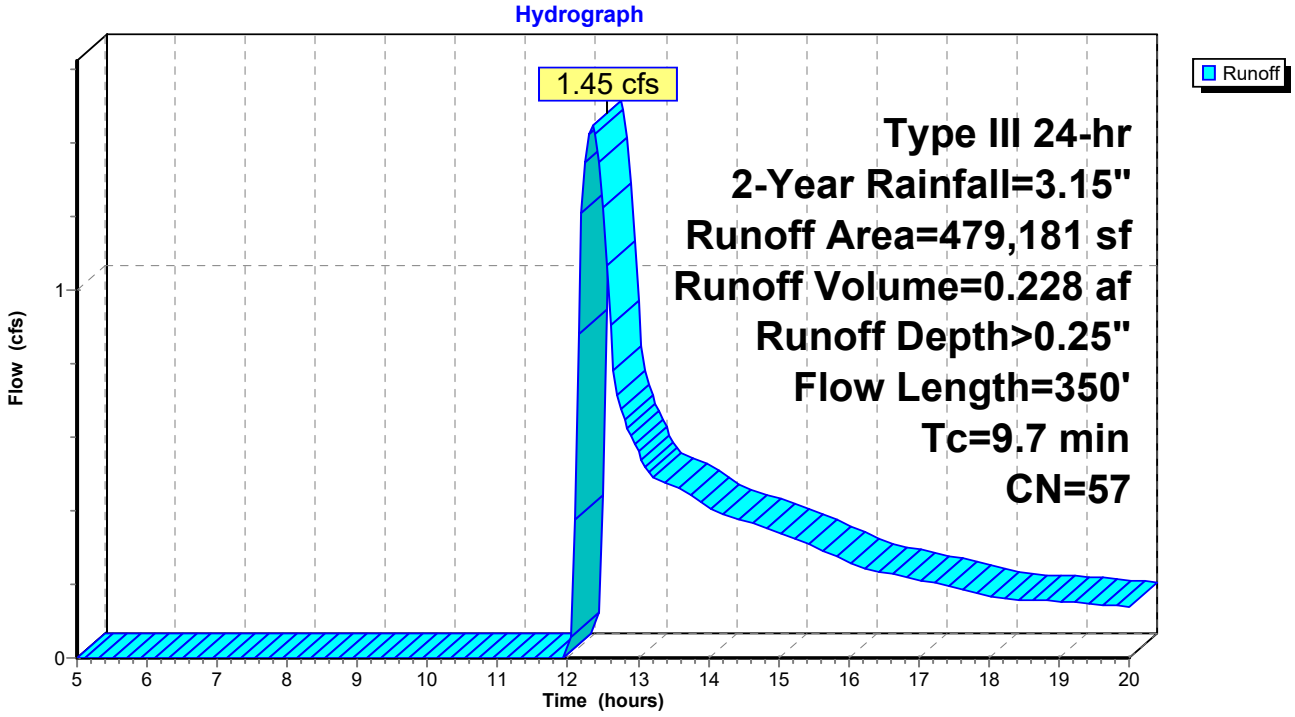
Runoff = 1.45 cfs @ 12.35 hrs, Volume= 0.228 af, Depth> 0.25"
Routed to Link DP3B : DP 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
194,048	74	>75% Grass cover, Good, HSG C
98,953	72	Woods/grass comb., Good, HSG C
157,270	30	Woods, Good, HSG A
28,910	39	>75% Grass cover, Good, HSG A
479,181	57	Weighted Average
479,181		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.9	50	0.0400	0.22		**Sheet Flow,** Range n= 0.130 P2= 3.10"
5.8	300	0.0300	0.87		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
9.7	350	Total			

Subcatchment E3B: E3B

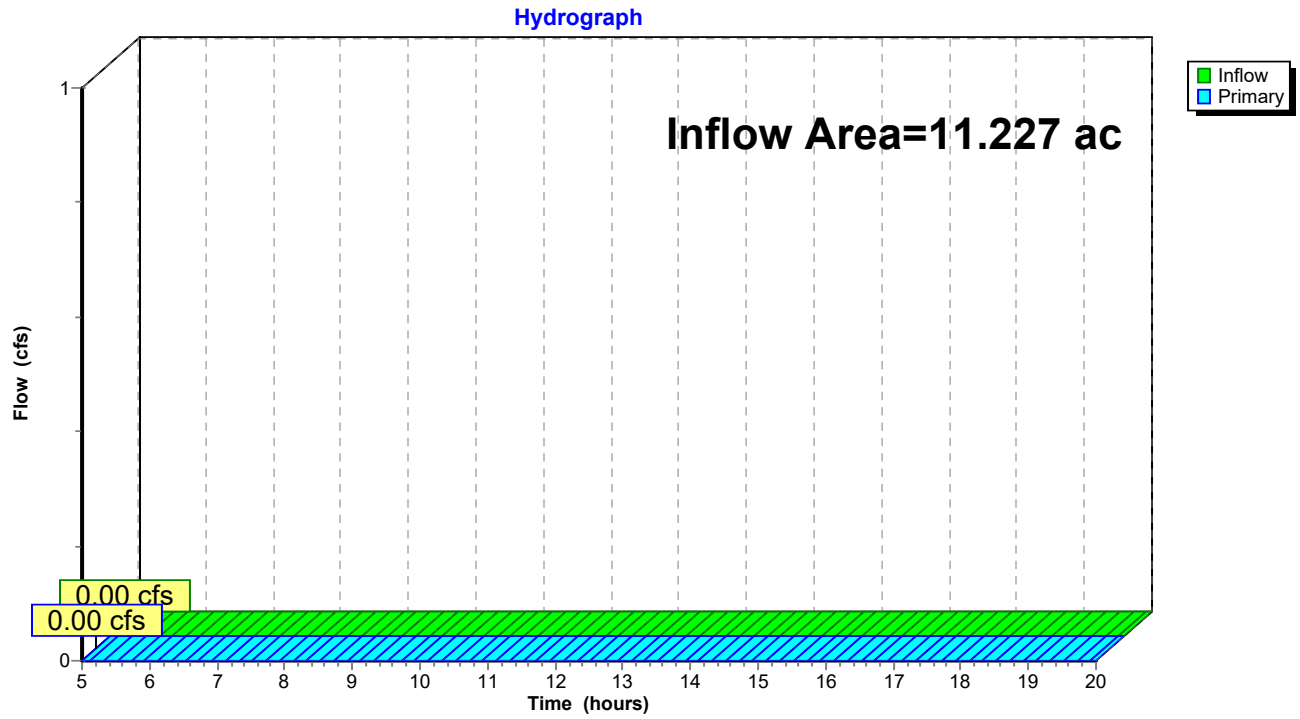


Summary for Link DP#A: DP 3A

Inflow Area = 11.227 ac, 0.94% Impervious, Inflow Depth = 0.00" for 2-Year event
Inflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP#A: DP 3A

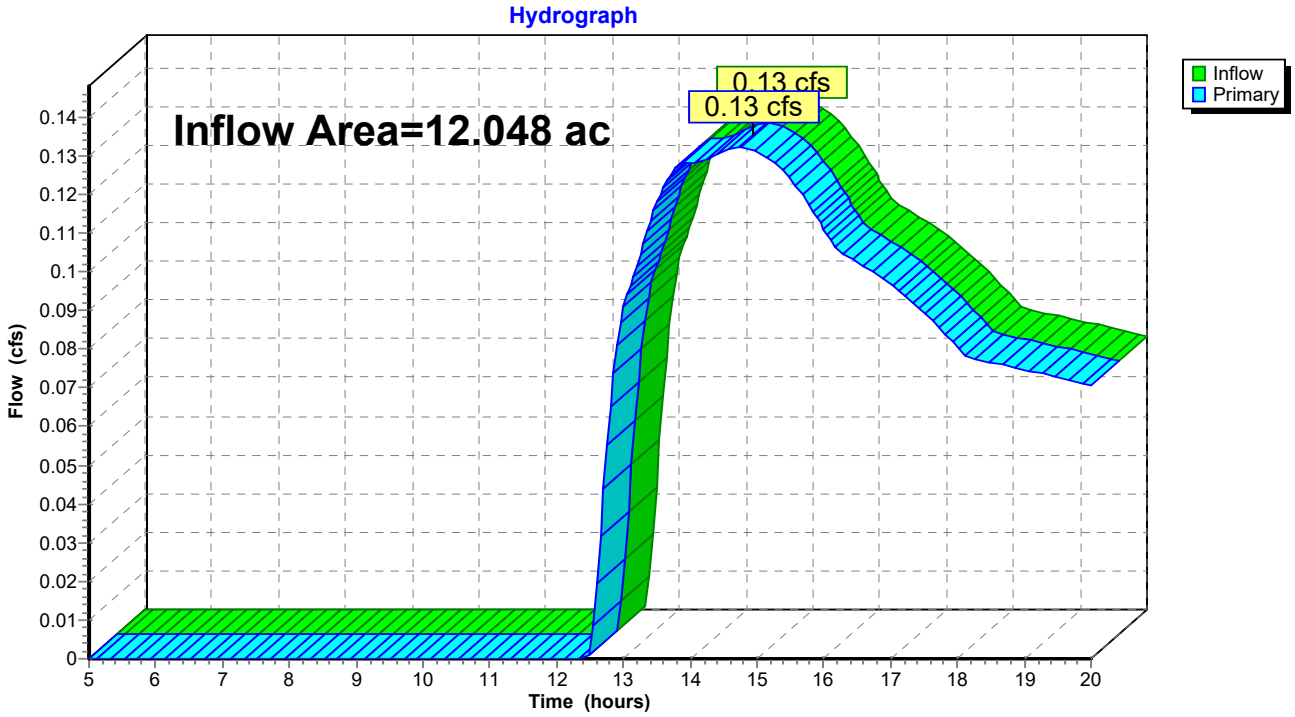


Summary for Link DP1: DP 1

Inflow Area = 12.048 ac, 0.00% Impervious, Inflow Depth > 0.06" for 2-Year event
Inflow = 0.13 cfs @ 14.73 hrs, Volume= 0.061 af
Primary = 0.13 cfs @ 14.73 hrs, Volume= 0.061 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP1: DP 1

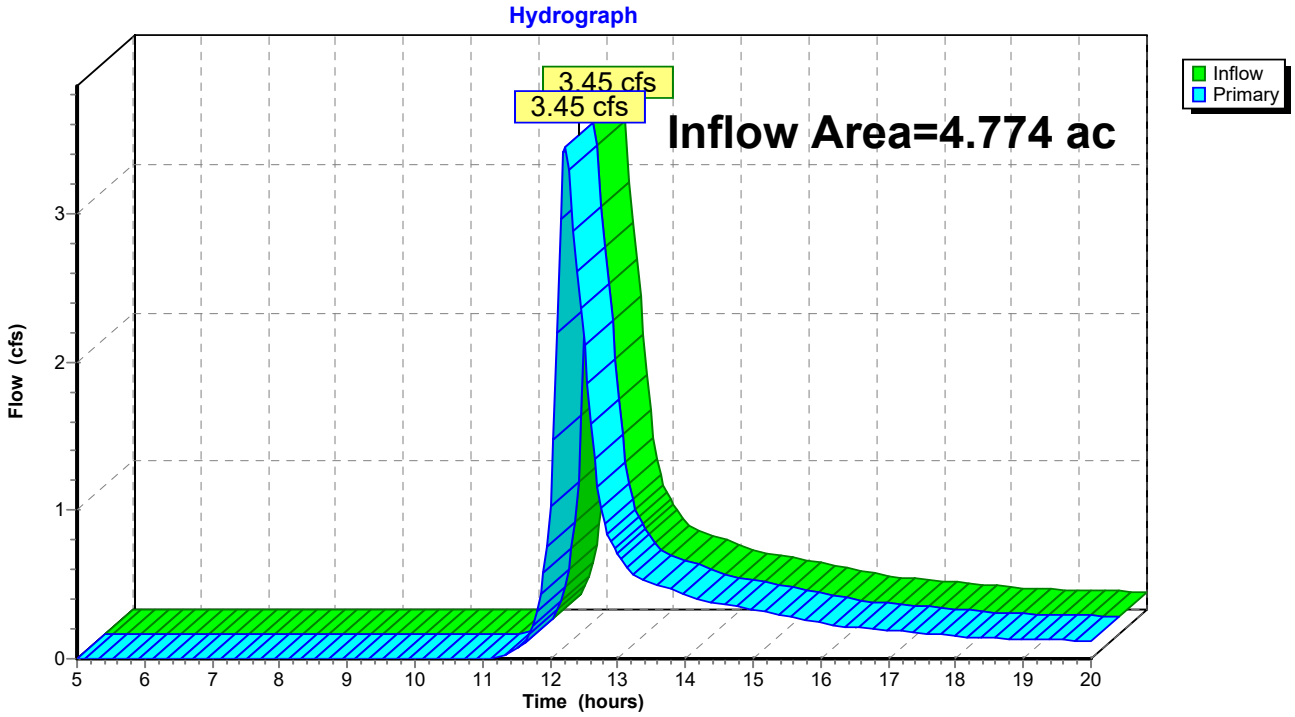


Summary for Link DP2: DP 2

Inflow Area = 4.774 ac, 0.00% Impervious, Inflow Depth > 0.81" for 2-Year event
Inflow = 3.45 cfs @ 12.23 hrs, Volume= 0.323 af
Primary = 3.45 cfs @ 12.23 hrs, Volume= 0.323 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP2: DP 2

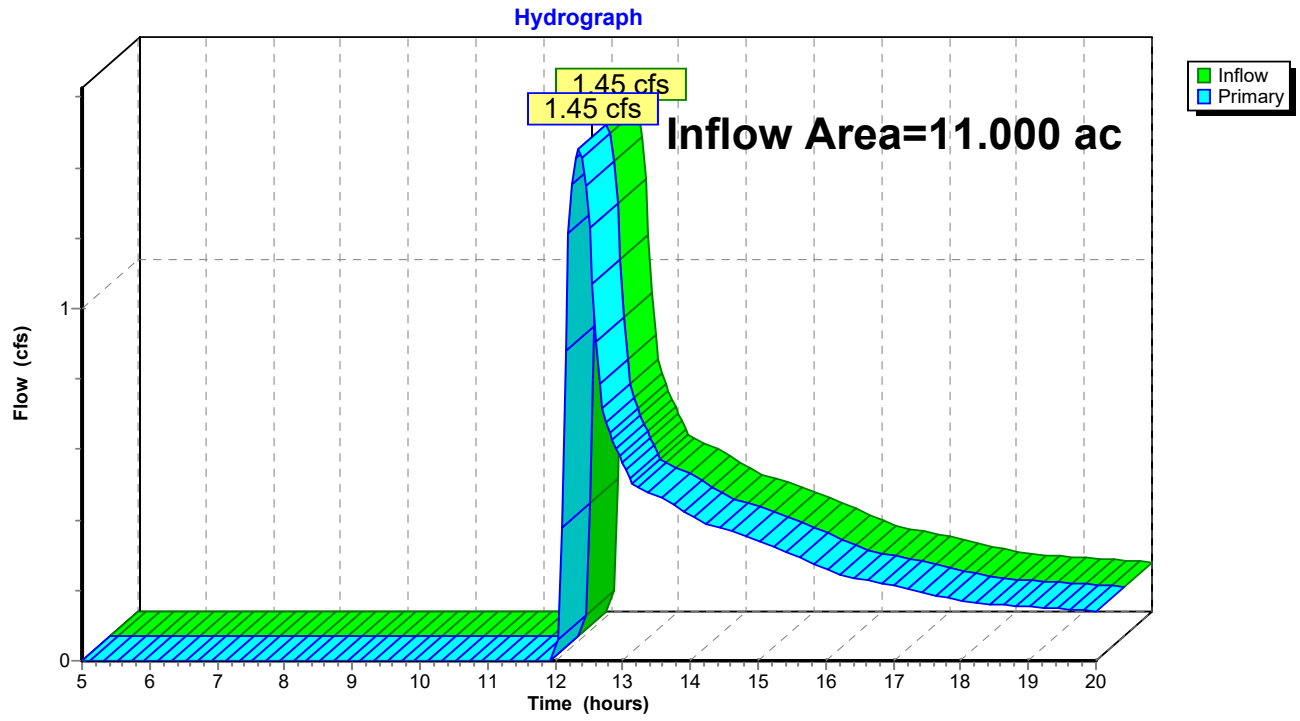


Summary for Link DP3B: DP 3B

Inflow Area = 11.000 ac, 0.00% Impervious, Inflow Depth > 0.25" for 2-Year event
Inflow = 1.45 cfs @ 12.35 hrs, Volume= 0.228 af
Primary = 1.45 cfs @ 12.35 hrs, Volume= 0.228 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP3B: DP 3B



Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment E1: E1 Runoff Area=524,797 sf 0.00% Impervious Runoff Depth>0.45"
Flow Length=238' Tc=11.3 min CN=48 Runoff=3.11 cfs 0.452 af

Subcatchment E2: E2 Runoff Area=207,938 sf 0.00% Impervious Runoff Depth>1.90"
Flow Length=504' Tc=14.9 min CN=72 Runoff=8.60 cfs 0.756 af

Subcatchment E3A: E3A Runoff Area=489,064 sf 0.94% Impervious Runoff Depth>0.03"
Flow Length=394' Slope=0.0200 '/' Tc=20.6 min CN=34 Runoff=0.06 cfs 0.024 af

Subcatchment E3B: E3B Runoff Area=479,181 sf 0.00% Impervious Runoff Depth>0.91"
Flow Length=350' Tc=9.7 min CN=57 Runoff=9.40 cfs 0.830 af

Link DP#A: DP 3A Inflow=0.06 cfs 0.024 af
Primary=0.06 cfs 0.024 af

Link DP1: DP 1 Inflow=3.11 cfs 0.452 af
Primary=3.11 cfs 0.452 af

Link DP2: DP 2 Inflow=8.60 cfs 0.756 af
Primary=8.60 cfs 0.756 af

Link DP3B: DP 3B Inflow=9.40 cfs 0.830 af
Primary=9.40 cfs 0.830 af

Total Runoff Area = 39.049 ac Runoff Volume = 2.063 af Average Runoff Depth = 0.63"
99.73% Pervious = 38.944 ac 0.27% Impervious = 0.106 ac

Summary for Subcatchment E1: E1

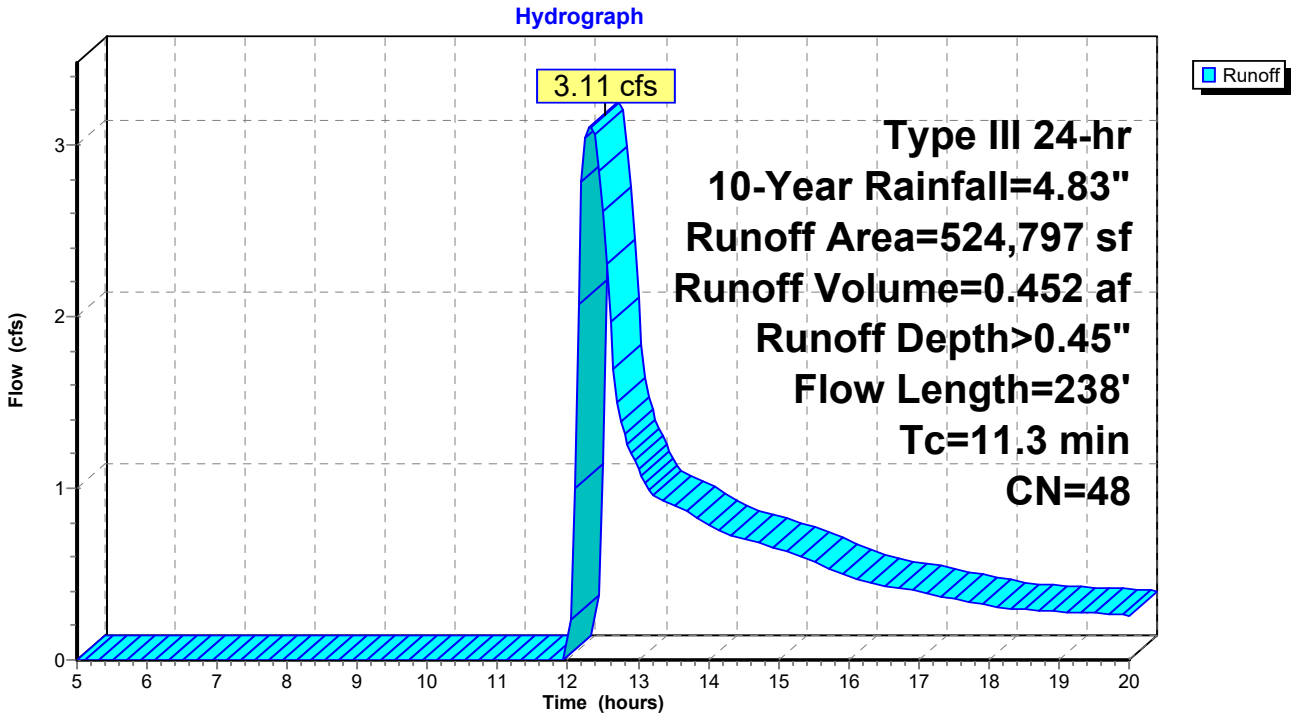
Runoff = 3.11 cfs @ 12.32 hrs, Volume= 0.452 af, Depth> 0.45"
Routed to Link DP1 : DP 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
139,246	74	>75% Grass cover, Good, HSG C
52,270	70	Woods, Good, HSG C
125,150	39	>75% Grass cover, Good, HSG A
208,131	30	Woods, Good, HSG A
524,797	48	Weighted Average
524,797		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7	50	0.0500	0.10		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
2.6	188	0.0600	1.22		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.3	238	Total			

Subcatchment E1: E1



Summary for Subcatchment E2: E2

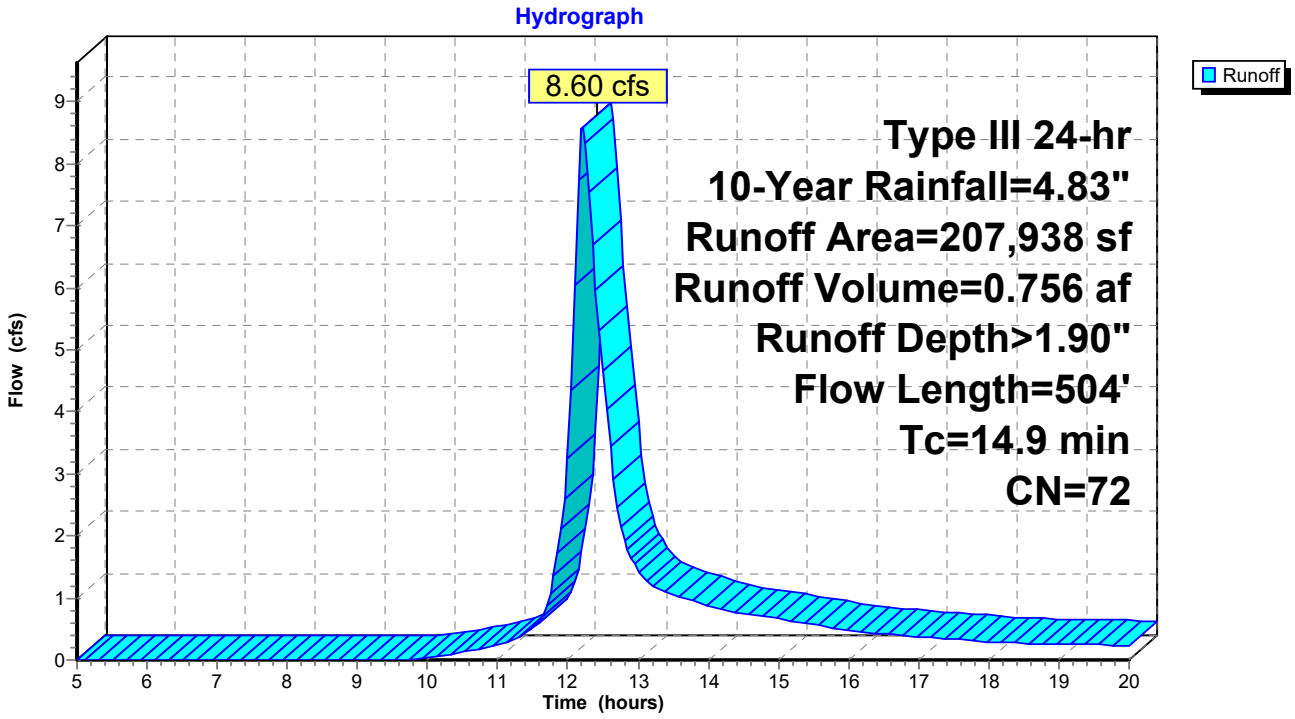
Runoff = 8.60 cfs @ 12.21 hrs, Volume= 0.756 af, Depth> 1.90"
Routed to Link DP2 : DP 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
113,380	74	>75% Grass cover, Good, HSG C
94,558	70	Woods, Good, HSG C
207,938	72	Weighted Average
207,938		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.7	50	0.0200	0.15		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
2.0	147	0.0300	1.21		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
7.2	307	0.0200	0.71		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
14.9	504	Total			

Subcatchment E2: E2



Summary for Subcatchment E3A: E3A

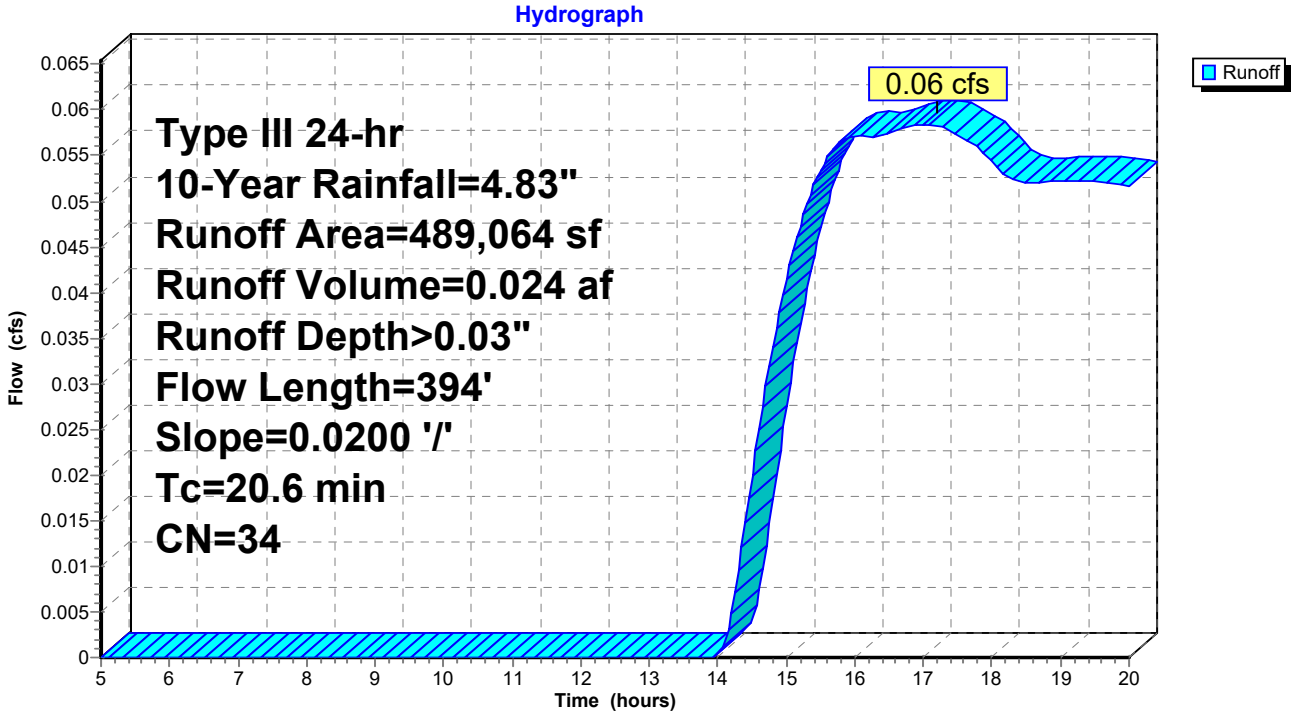
Runoff = 0.06 cfs @ 16.99 hrs, Volume= 0.024 af, Depth> 0.03"
Routed to Link DP#A : DP 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
309,786	30	Woods, Good, HSG A
4,538	96	Gravel surface, HSG A
4,447	98	Unconnected roofs, HSG A
149	98	Paved parking, HSG A
170,144	39	>75% Grass cover, Good, HSG A
489,064	34	Weighted Average
484,468		99.06% Pervious Area
4,596		0.94% Impervious Area
4,447		96.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	50	0.0200	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
8.1	344	0.0200	0.71		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
20.6	394	Total			

Subcatchment E3A: E3A



Summary for Subcatchment E3B: E3B

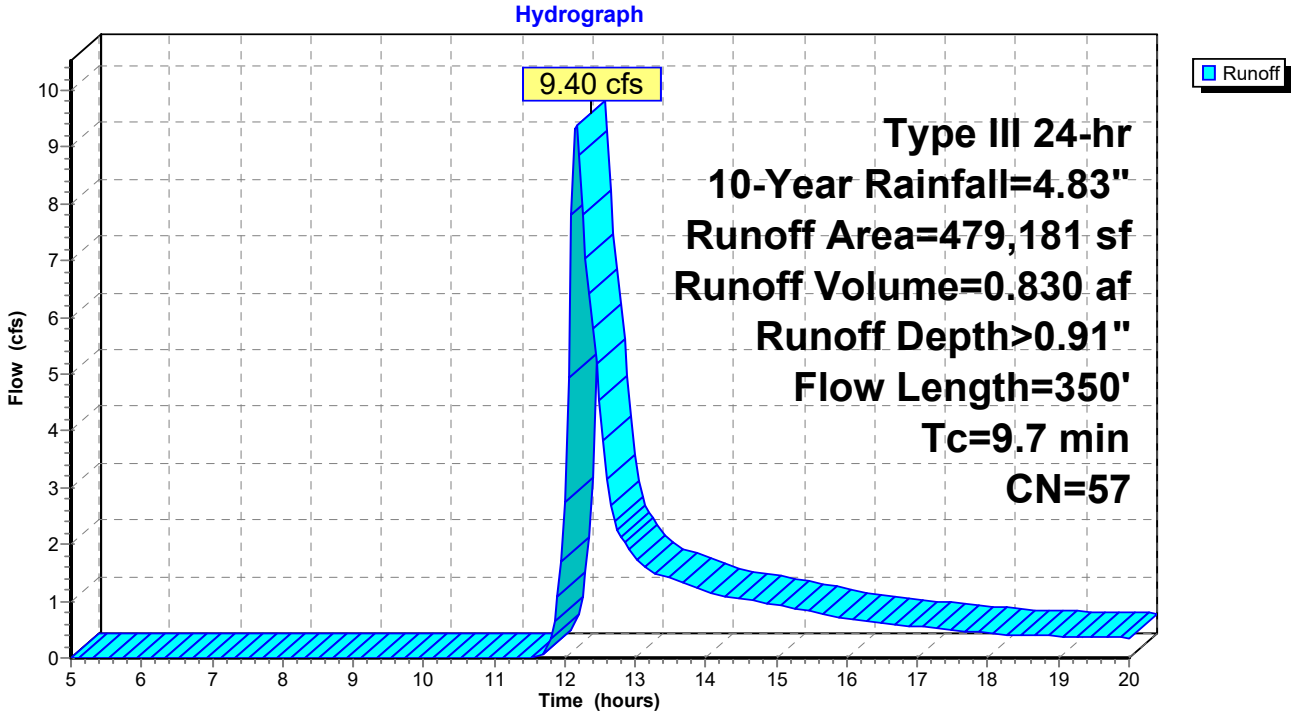
Runoff = 9.40 cfs @ 12.16 hrs, Volume= 0.830 af, Depth> 0.91"
Routed to Link DP3B : DP 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
194,048	74	>75% Grass cover, Good, HSG C
98,953	72	Woods/grass comb., Good, HSG C
157,270	30	Woods, Good, HSG A
28,910	39	>75% Grass cover, Good, HSG A
479,181	57	Weighted Average
479,181		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.9	50	0.0400	0.22		**Sheet Flow,** Range n= 0.130 P2= 3.10"
5.8	300	0.0300	0.87		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
9.7	350	Total			

Subcatchment E3B: E3B

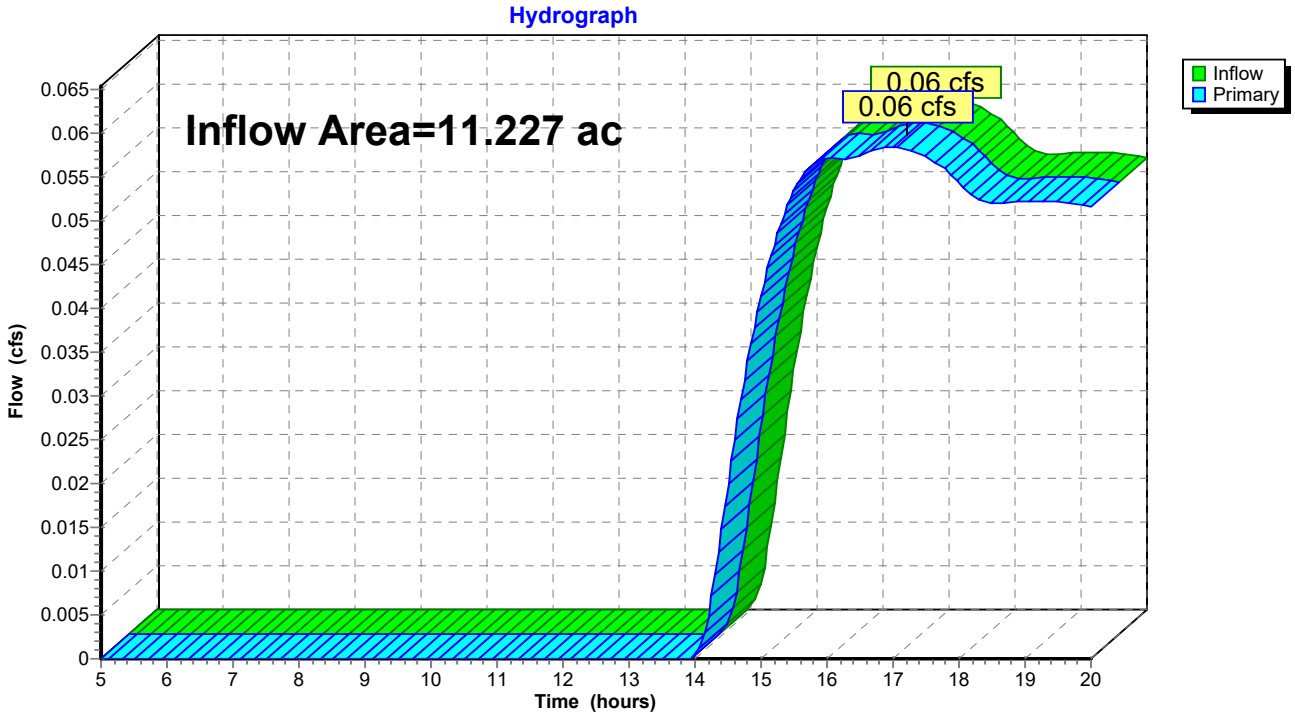


Summary for Link DP#A: DP 3A

Inflow Area = 11.227 ac, 0.94% Impervious, Inflow Depth > 0.03" for 10-Year event
Inflow = 0.06 cfs @ 16.99 hrs, Volume= 0.024 af
Primary = 0.06 cfs @ 16.99 hrs, Volume= 0.024 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP#A: DP 3A

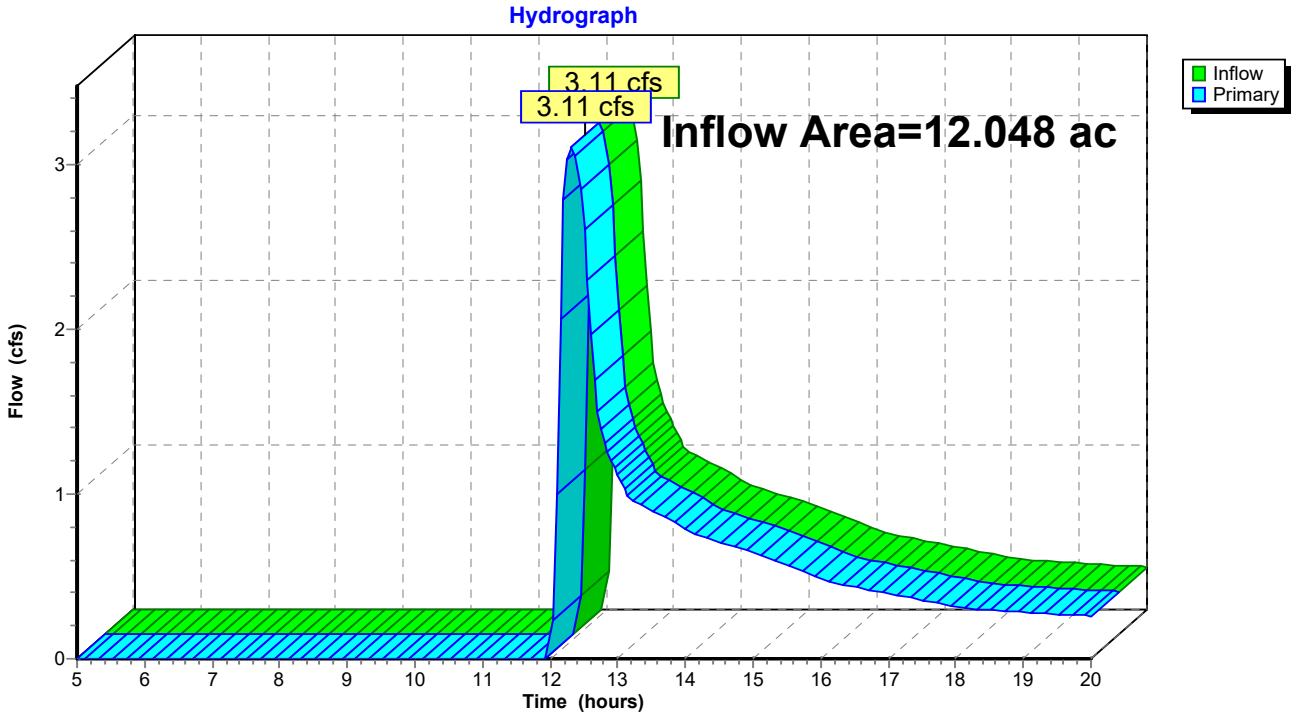


Summary for Link DP1: DP 1

Inflow Area = 12.048 ac, 0.00% Impervious, Inflow Depth > 0.45" for 10-Year event
Inflow = 3.11 cfs @ 12.32 hrs, Volume= 0.452 af
Primary = 3.11 cfs @ 12.32 hrs, Volume= 0.452 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP1: DP 1

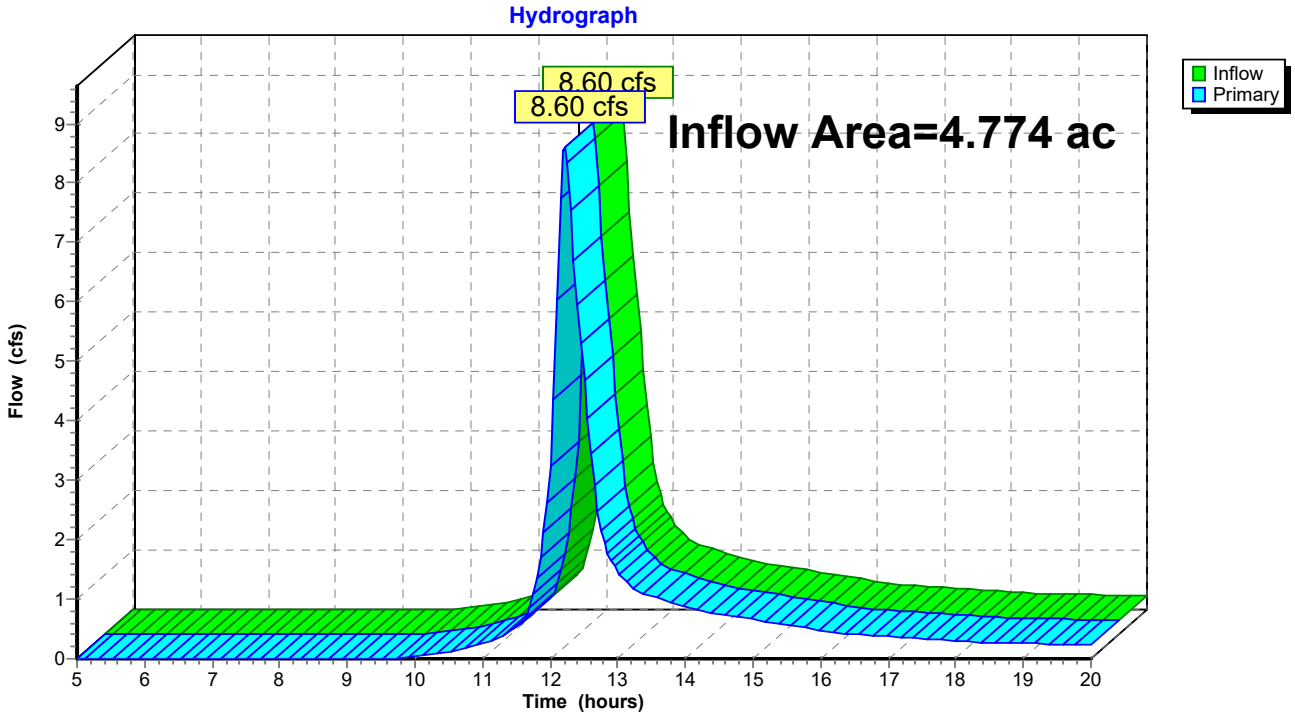


Summary for Link DP2: DP 2

Inflow Area = 4.774 ac, 0.00% Impervious, Inflow Depth > 1.90" for 10-Year event
Inflow = 8.60 cfs @ 12.21 hrs, Volume= 0.756 af
Primary = 8.60 cfs @ 12.21 hrs, Volume= 0.756 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP2: DP 2

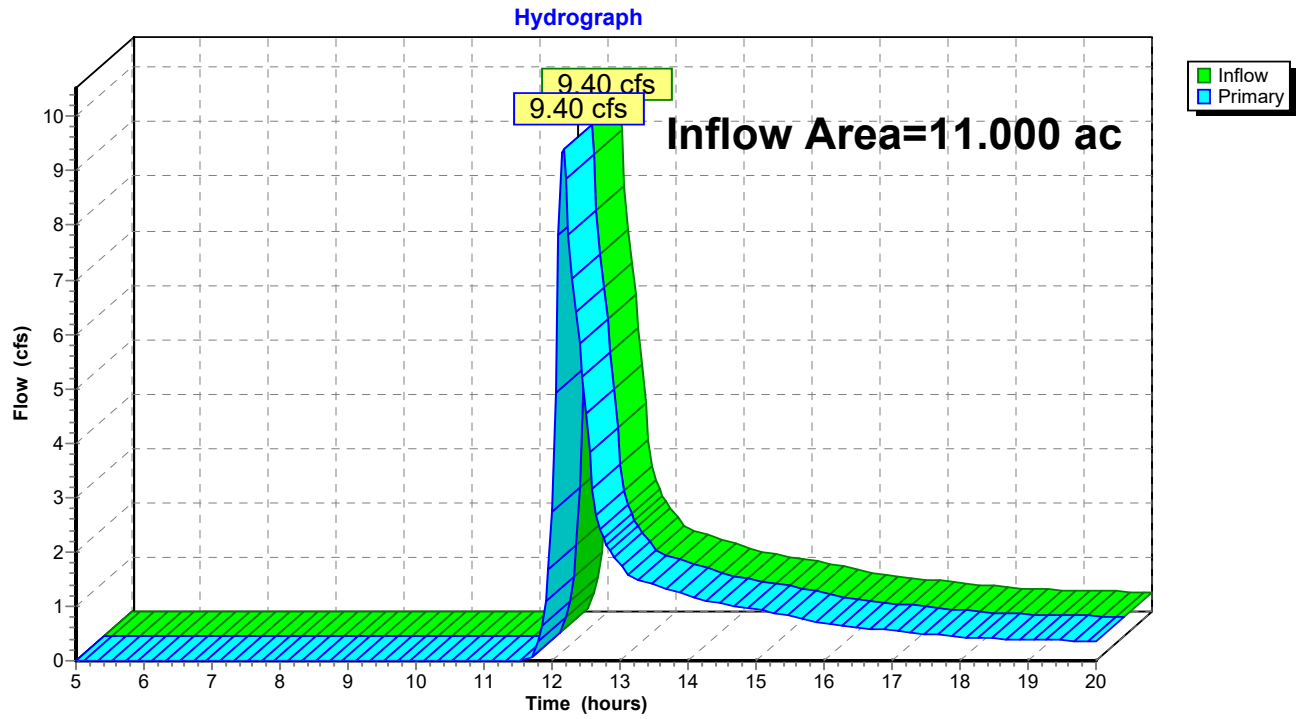


Summary for Link DP3B: DP 3B

Inflow Area = 11.000 ac, 0.00% Impervious, Inflow Depth > 0.91" for 10-Year event
Inflow = 9.40 cfs @ 12.16 hrs, Volume= 0.830 af
Primary = 9.40 cfs @ 12.16 hrs, Volume= 0.830 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP3B: DP 3B



Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment E1: E1 Runoff Area=524,797 sf 0.00% Impervious Runoff Depth>2.36"
Flow Length=238' Tc=11.3 min CN=48 Runoff=28.17 cfs 2.369 af

Subcatchment E2: E2 Runoff Area=207,938 sf 0.00% Impervious Runoff Depth>5.16"
Flow Length=504' Tc=14.9 min CN=72 Runoff=23.34 cfs 2.054 af

Subcatchment E3A: E3A Runoff Area=489,064 sf 0.94% Impervious Runoff Depth>0.89"
Flow Length=394' Slope=0.0200 '/' Tc=20.6 min CN=34 Runoff=5.40 cfs 0.837 af

Subcatchment E3B: E3B Runoff Area=479,181 sf 0.00% Impervious Runoff Depth>3.39"
Flow Length=350' Tc=9.7 min CN=57 Runoff=40.67 cfs 3.110 af

Link DP#A: DP 3A Inflow=5.40 cfs 0.837 af
Primary=5.40 cfs 0.837 af

Link DP1: DP 1 Inflow=28.17 cfs 2.369 af
Primary=28.17 cfs 2.369 af

Link DP2: DP 2 Inflow=23.34 cfs 2.054 af
Primary=23.34 cfs 2.054 af

Link DP3B: DP 3B Inflow=40.67 cfs 3.110 af
Primary=40.67 cfs 3.110 af

Total Runoff Area = 39.049 ac Runoff Volume = 8.370 af Average Runoff Depth = 2.57"
99.73% Pervious = 38.944 ac 0.27% Impervious = 0.106 ac

Summary for Subcatchment E1: E1

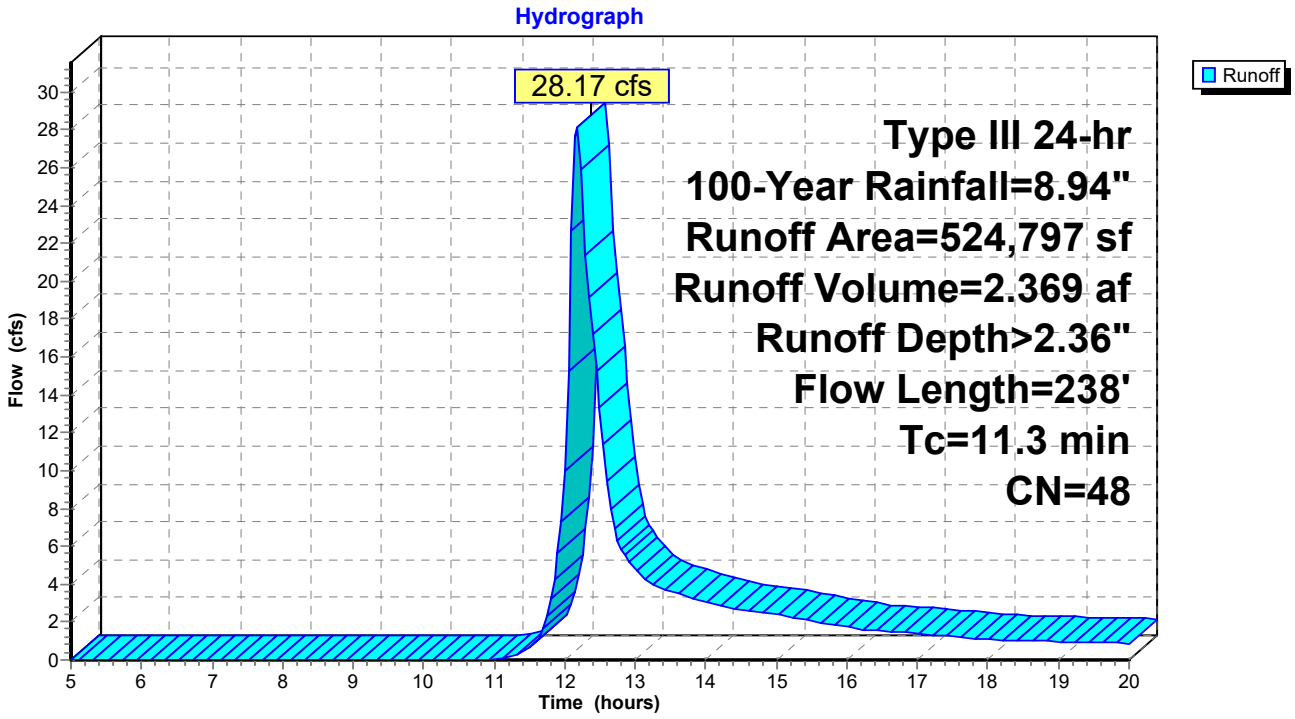
Runoff = 28.17 cfs @ 12.17 hrs, Volume= 2.369 af, Depth> 2.36"
Routed to Link DP1 : DP 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
139,246	74	>75% Grass cover, Good, HSG C
52,270	70	Woods, Good, HSG C
125,150	39	>75% Grass cover, Good, HSG A
208,131	30	Woods, Good, HSG A
524,797	48	Weighted Average
524,797		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.7	50	0.0500	0.10		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
2.6	188	0.0600	1.22		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.3	238	Total			

Subcatchment E1: E1



Summary for Subcatchment E2: E2

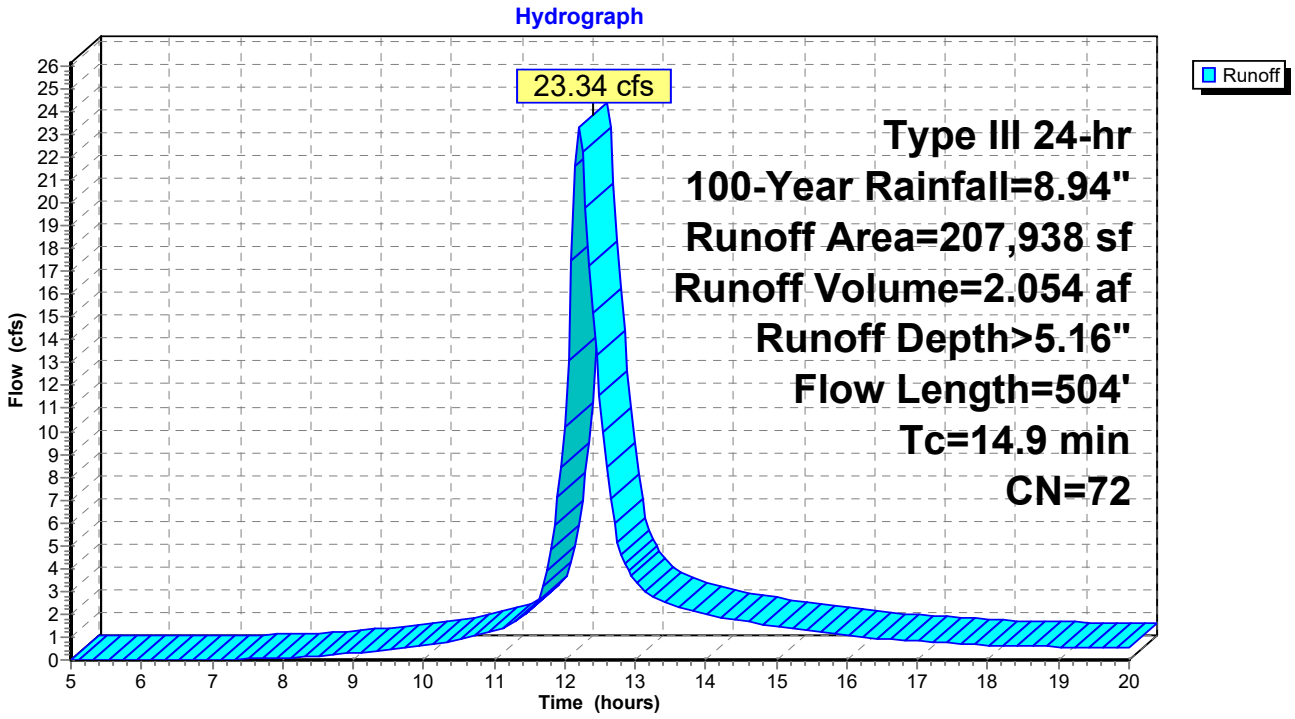
Runoff = 23.34 cfs @ 12.21 hrs, Volume= 2.054 af, Depth> 5.16"
Routed to Link DP2 : DP 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
113,380	74	>75% Grass cover, Good, HSG C
94,558	70	Woods, Good, HSG C
207,938	72	Weighted Average
207,938		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.7	50	0.0200	0.15		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
2.0	147	0.0300	1.21		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
7.2	307	0.0200	0.71		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
14.9	504	Total			

Subcatchment E2: E2



Summary for Subcatchment E3A: E3A

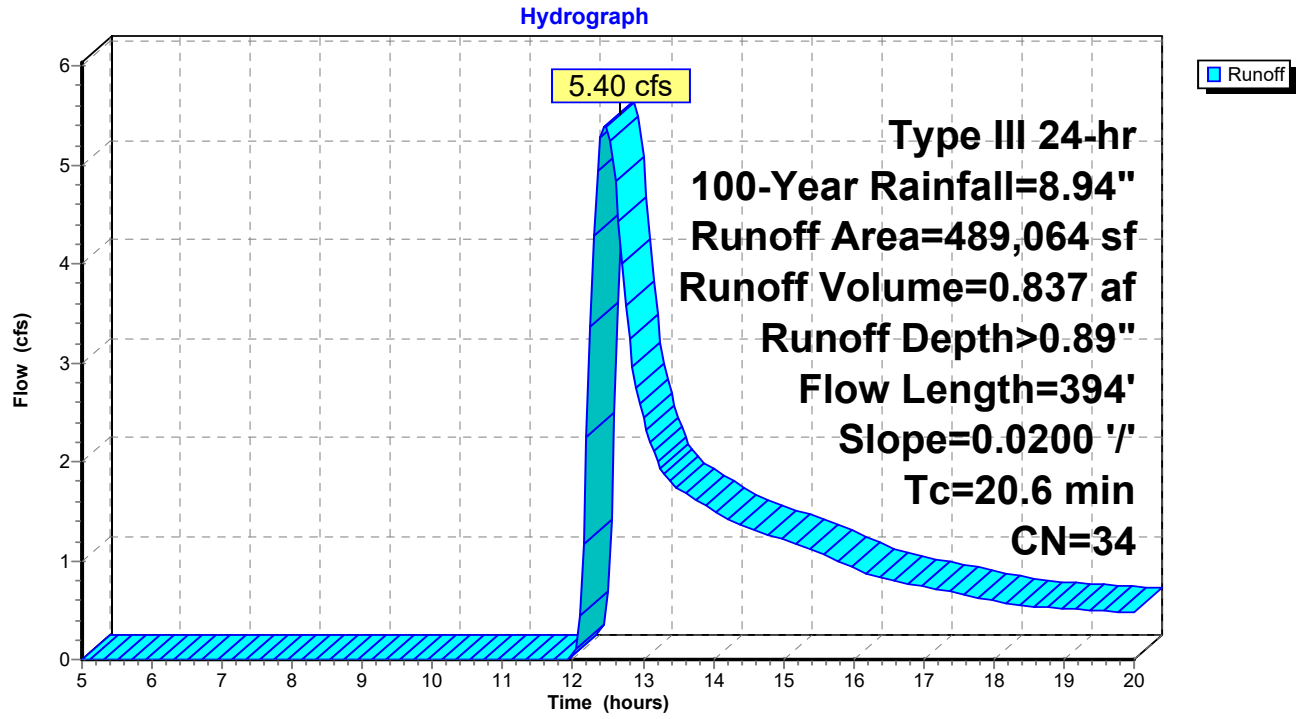
Runoff = 5.40 cfs @ 12.46 hrs, Volume= 0.837 af, Depth> 0.89"
Routed to Link DP#A : DP 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
309,786	30	Woods, Good, HSG A
4,538	96	Gravel surface, HSG A
4,447	98	Unconnected roofs, HSG A
149	98	Paved parking, HSG A
170,144	39	>75% Grass cover, Good, HSG A
489,064	34	Weighted Average
484,468		99.06% Pervious Area
4,596		0.94% Impervious Area
4,447		96.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	50	0.0200	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
8.1	344	0.0200	0.71		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
20.6	394	Total			

Subcatchment E3A: E3A



Summary for Subcatchment E3B: E3B

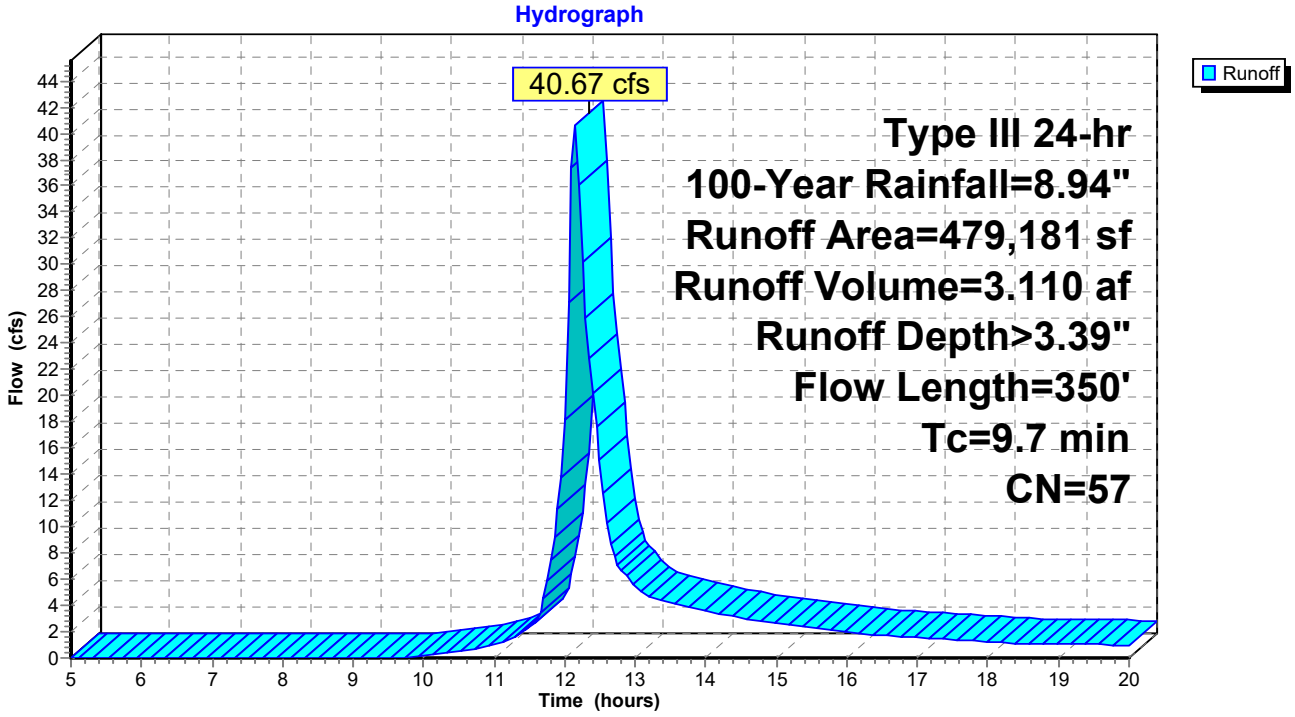
Runoff = 40.67 cfs @ 12.15 hrs, Volume= 3.110 af, Depth> 3.39"
Routed to Link DP3B : DP 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
194,048	74	>75% Grass cover, Good, HSG C
98,953	72	Woods/grass comb., Good, HSG C
157,270	30	Woods, Good, HSG A
28,910	39	>75% Grass cover, Good, HSG A
479,181	57	Weighted Average
479,181		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.9	50	0.0400	0.22		**Sheet Flow,** Range n= 0.130 P2= 3.10"
5.8	300	0.0300	0.87		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
9.7	350	Total			

Subcatchment E3B: E3B

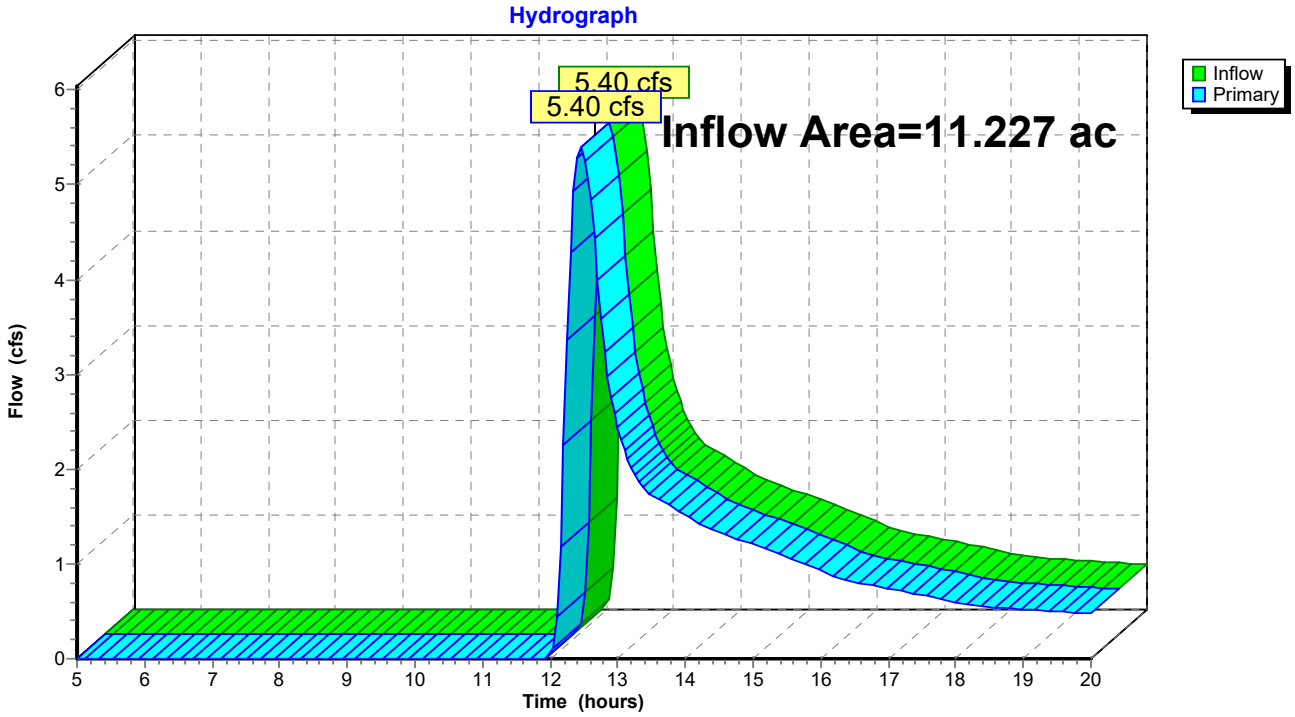


Summary for Link DP#A: DP 3A

Inflow Area = 11.227 ac, 0.94% Impervious, Inflow Depth > 0.89" for 100-Year event
Inflow = 5.40 cfs @ 12.46 hrs, Volume= 0.837 af
Primary = 5.40 cfs @ 12.46 hrs, Volume= 0.837 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP#A: DP 3A

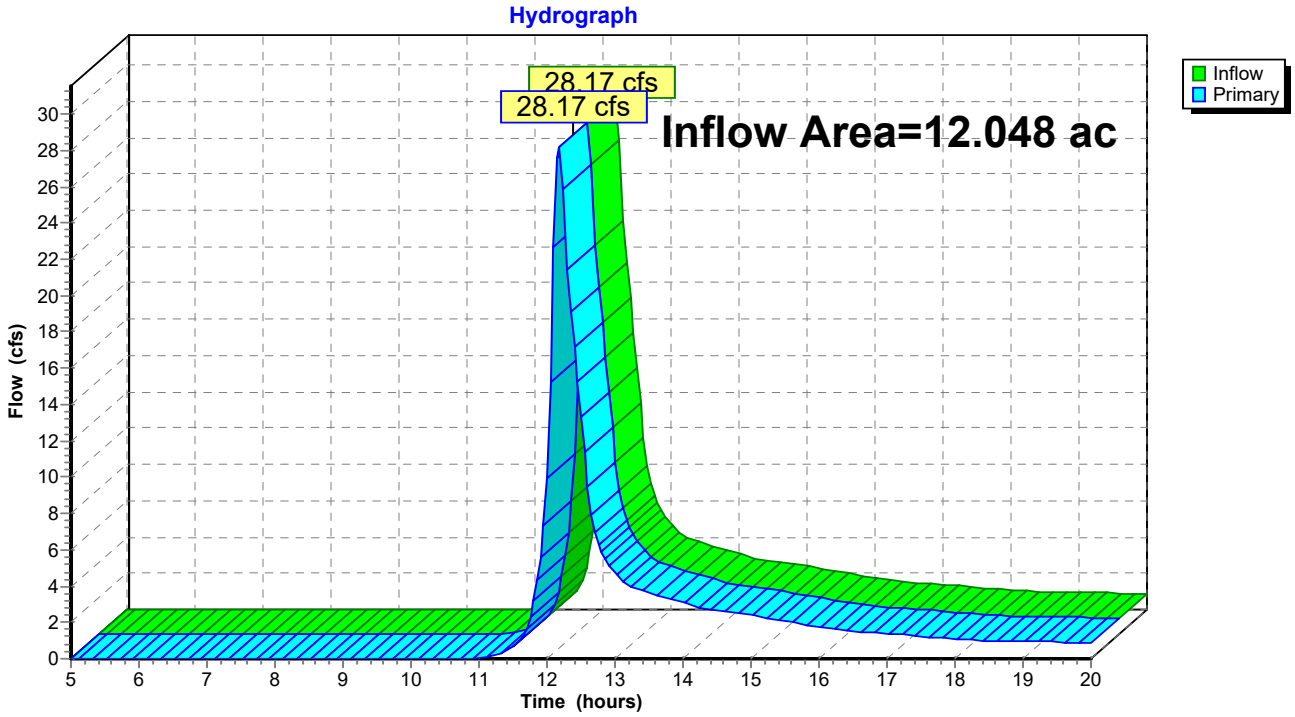


Summary for Link DP1: DP 1

Inflow Area = 12.048 ac, 0.00% Impervious, Inflow Depth > 2.36" for 100-Year event
Inflow = 28.17 cfs @ 12.17 hrs, Volume= 2.369 af
Primary = 28.17 cfs @ 12.17 hrs, Volume= 2.369 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP1: DP 1

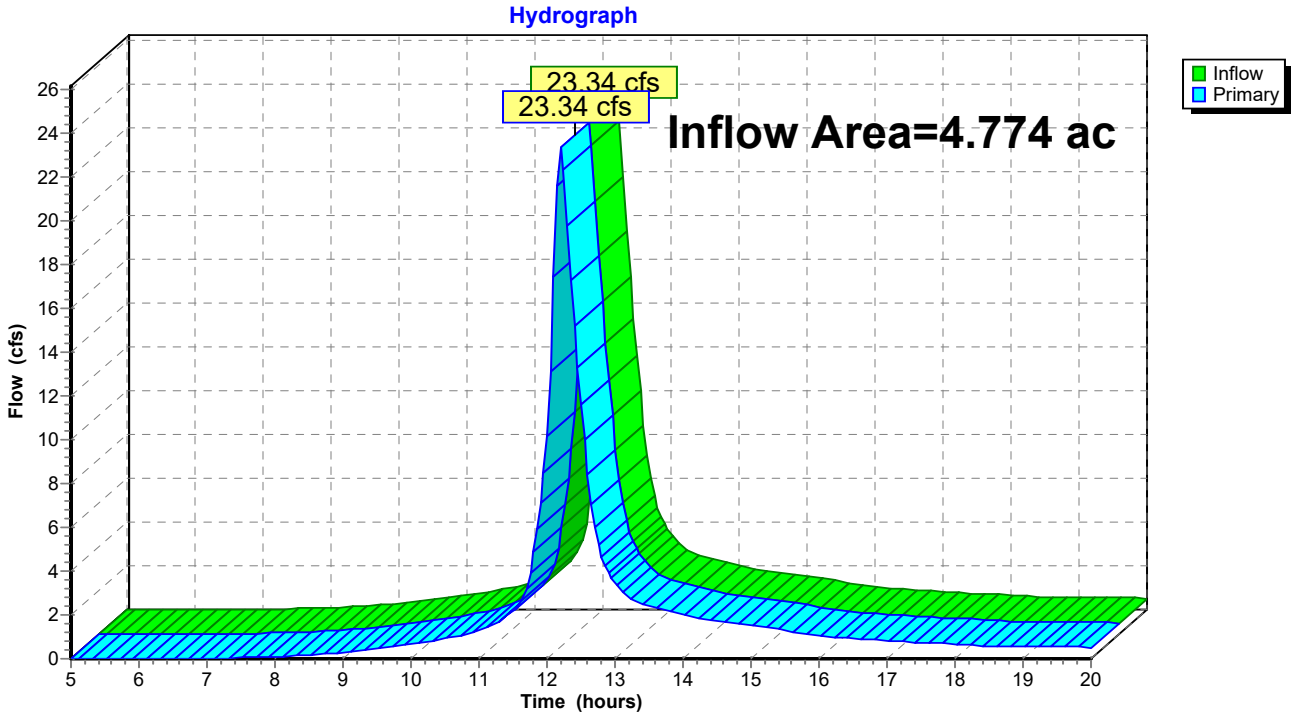


Summary for Link DP2: DP 2

Inflow Area = 4.774 ac, 0.00% Impervious, Inflow Depth > 5.16" for 100-Year event
Inflow = 23.34 cfs @ 12.21 hrs, Volume= 2.054 af
Primary = 23.34 cfs @ 12.21 hrs, Volume= 2.054 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP2: DP 2

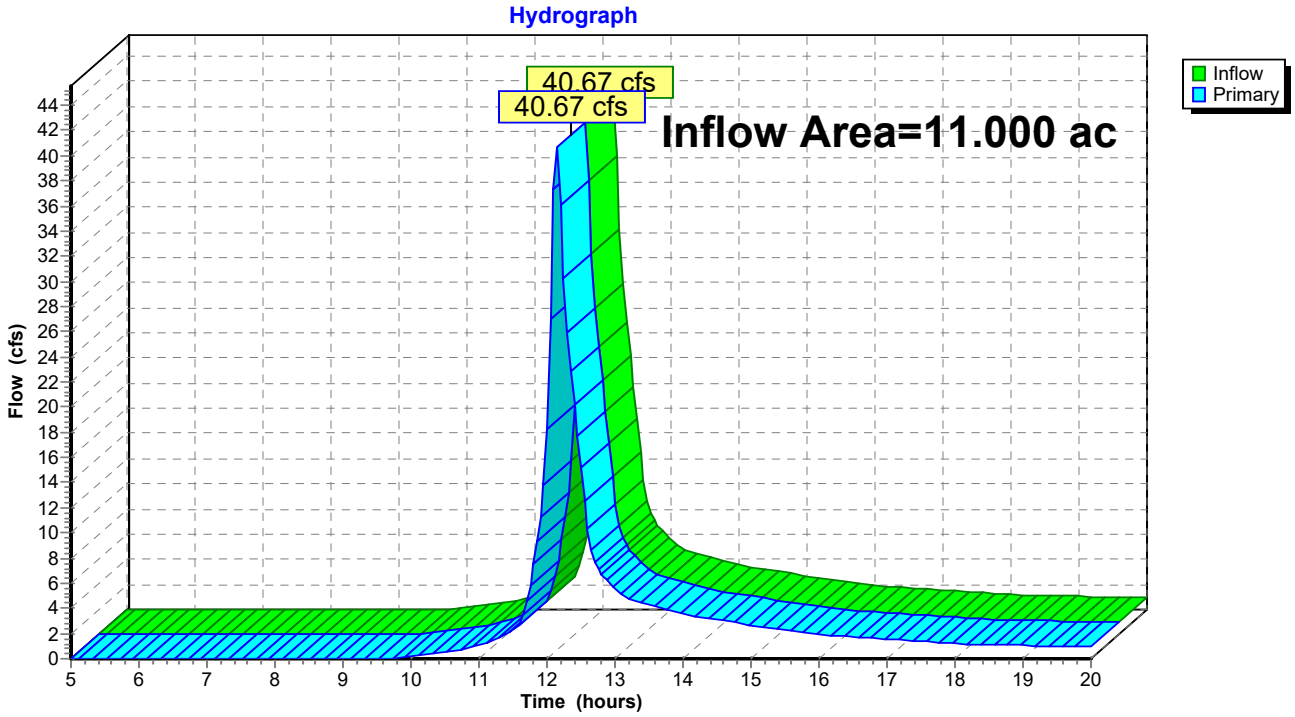


Summary for Link DP3B: DP 3B

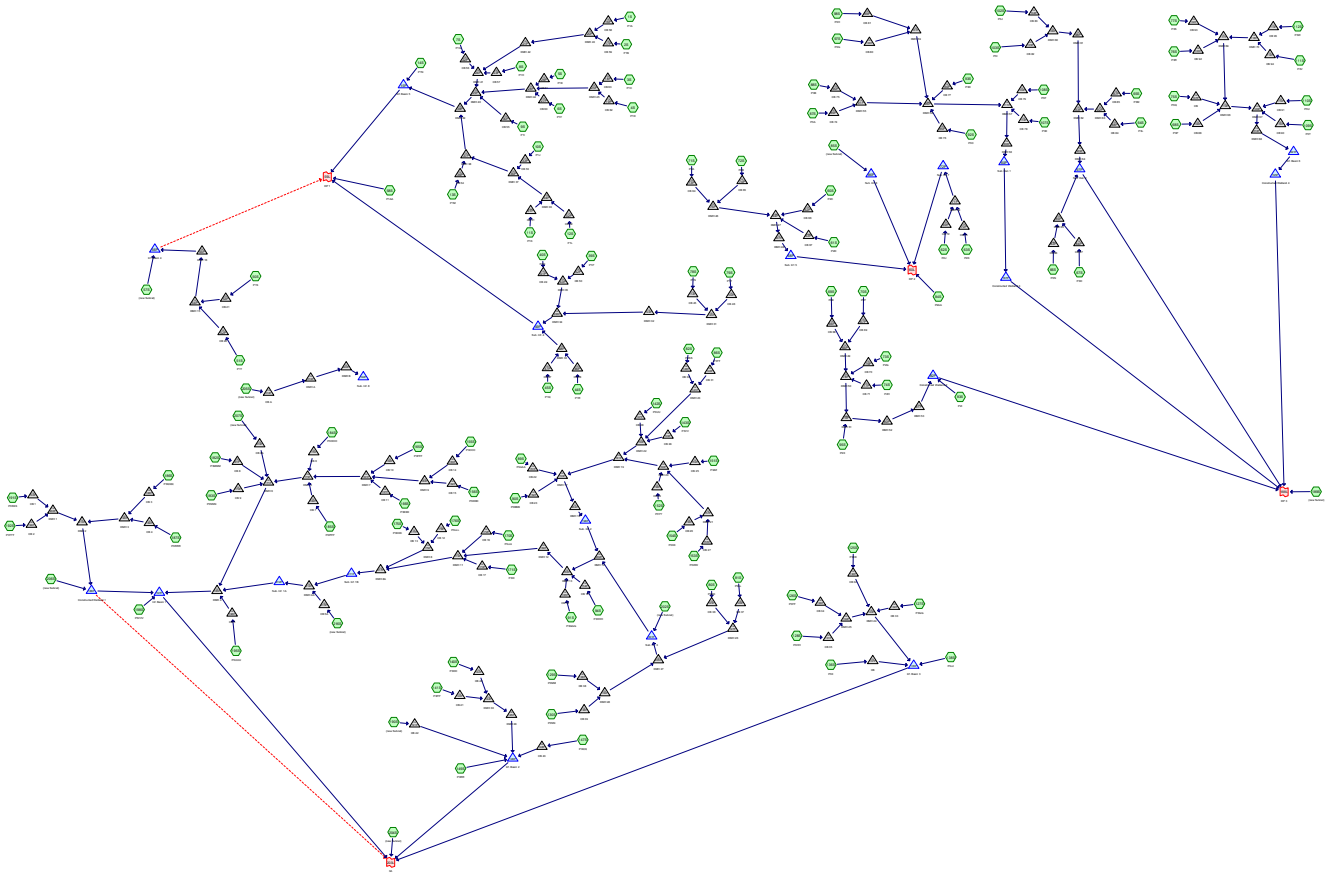
Inflow Area = 11.000 ac, 0.00% Impervious, Inflow Depth > 3.39" for 100-Year event
Inflow = 40.67 cfs @ 12.15 hrs, Volume= 3.110 af
Primary = 40.67 cfs @ 12.15 hrs, Volume= 3.110 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP3B: DP 3B



d. Proposed Conditions HydroCAD Report



Subcat Reach Pond Link

Routing Diagram for RH Post 3-18-25
Prepared by Millennium Engineering, Inc, Printed 3/23/2026
HydroCAD® 10.20-7a s/n 02736 © 2025 HydroCAD Software Solutions LLC

Project Notes

Rainfall events imported from "Atlas-14-Rain.txt" for 440 MA Essex
Rainfall events imported from "Atlas-14-Rain.txt" for 440 MA Essex

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-Year	Type III 24-hr		Default	24.00	1	3.15	2
2	10-Year	Type III 24-hr		Default	24.00	1	4.83	2
3	100-Year	Type III 24-hr		Default	24.00	1	8.94	2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
9.854	39	>75% Grass cover, Good, HSG A (44S, 45S, 50S, 51S, 57S, 58S, 73S, 74S, 78S, 79S, 80S, 81S, 82S, 83S, 84S, 86S, 89S, 90S, 91S, 94S, 125S, 126S, 127S, 128S, 129S, 130S, 136S, 138S, 140S, 141S, 142S, 143S, 147S, 149S, 151S, 152S, 153S, 154S, 155S, 156S, 165S, 166S, 170S, 171S, 175S, 176S, 182S, 183S, 184S, 185S, 186S, 187S, 189S, 190S, 191S, 192S, 195S, 198S, 202S, 204S, 205S, 206S, 207S, 216S)
5.952	74	>75% Grass cover, Good, HSG C (1S, 2S, 3S, 4S, 5S, 6S, 8S, 9S, 11S, 12S, 13S, 14S, 39S, 44S, 45S, 58S, 60S, 61S, 62S, 63S, 64S, 65S, 66S, 67S, 68S, 69S, 71S, 72S, 73S, 75S, 76S, 77S, 78S, 79S, 83S, 84S, 85S, 86S, 87S, 88S, 92S, 93S, 97S, 98S, 102S, 103S, 107S, 108S, 109S, 110S, 111S, 112S, 189S)
5.215	98	Paved parking, HSG A (44S, 45S, 50S, 51S, 73S, 74S, 78S, 79S, 80S, 81S, 82S, 83S, 86S, 89S, 90S, 91S, 94S, 125S, 126S, 127S, 128S, 129S, 130S, 136S, 140S, 141S, 142S, 143S, 147S, 151S, 152S, 153S, 154S, 155S, 156S, 165S, 166S, 170S, 171S, 175S, 176S, 182S, 183S, 184S, 185S, 186S, 187S, 190S, 191S, 192S, 195S, 205S, 207S, 216S)
5.270	98	Paved parking, HSG C (1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 39S, 40S, 44S, 45S, 60S, 61S, 62S, 63S, 64S, 65S, 66S, 67S, 68S, 69S, 70S, 71S, 72S, 73S, 75S, 76S, 77S, 78S, 79S, 83S, 87S, 88S, 92S, 93S, 95S, 97S, 98S, 102S, 103S, 107S, 108S, 109S, 110S, 111S, 112S)
0.280	39	Pervious Pavement (58S)
0.127	98	Roofs, HSG C (85S)
0.159	98	Unconnected pavement, HSG A (58S, 84S, 189S, 202S, 204S)
0.165	98	Unconnected pavement, HSG C (44S, 84S, 85S, 189S)
3.407	98	Unconnected roofs, HSG A (44S, 45S, 50S, 57S, 58S, 73S, 74S, 80S, 81S, 82S, 83S, 84S, 86S, 90S, 91S, 94S, 125S, 126S, 128S, 129S, 130S, 136S, 138S, 140S, 141S, 147S, 149S, 153S, 154S, 155S, 156S, 166S, 170S, 171S, 175S, 176S, 182S, 183S, 184S, 185S, 187S, 189S, 190S, 195S, 202S, 204S, 205S, 207S, 216S)
2.385	98	Unconnected roofs, HSG C (1S, 2S, 3S, 5S, 6S, 8S, 11S, 12S, 13S, 14S, 39S, 45S, 58S, 60S, 62S, 63S, 65S, 66S, 67S, 69S, 71S, 73S, 75S, 76S, 77S, 78S, 79S, 84S, 86S, 88S, 92S, 93S, 97S, 98S, 102S, 103S, 107S, 108S, 110S, 111S, 127S, 189S)
5.071	30	Woods, Good, HSG A (57S, 58S, 186S, 189S, 191S, 204S, 207S)
1.957	70	Woods, Good, HSG C (58S, 84S, 189S)
39.842	**69**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
23.706	HSG A	44S, 45S, 50S, 51S, 57S, 58S, 73S, 74S, 78S, 79S, 80S, 81S, 82S, 83S, 84S, 86S, 89S, 90S, 91S, 94S, 125S, 126S, 127S, 128S, 129S, 130S, 136S, 138S, 140S, 141S, 142S, 143S, 147S, 149S, 151S, 152S, 153S, 154S, 155S, 156S, 165S, 166S, 170S, 171S, 175S, 176S, 182S, 183S, 184S, 185S, 186S, 187S, 189S, 190S, 191S, 192S, 195S, 198S, 202S, 204S, 205S, 206S, 207S, 216S
0.000	HSG B	
15.857	HSG C	1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 14S, 39S, 40S, 44S, 45S, 58S, 60S, 61S, 62S, 63S, 64S, 65S, 66S, 67S, 68S, 69S, 70S, 71S, 72S, 73S, 75S, 76S, 77S, 78S, 79S, 83S, 84S, 85S, 86S, 87S, 88S, 92S, 93S, 95S, 97S, 98S, 102S, 103S, 107S, 108S, 109S, 110S, 111S, 112S, 127S, 189S
0.000	HSG D	
0.280	Other	58S
39.842		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
9.854	0.000	5.952	0.000	0.000	15.806	>75% Grass cover, Good	1S, 2S, 3S, 4S, 5S, 6S, 8S, 9S, 11S, 12S, 13S, 14S, 39S, 44S, 45S, 50S, 51S, 57S, 58S, 60S, 61S, 62S, 63S, 64S, 65S, 66S, 67S, 68S, 69S, 71S, 72S, 73S, 74S, 75S, 76S, 77S, 78S, 79S, 80S, 81S, 82S, 83S, 84S, 85S, 86S, 87S, 88S, 89S, 90S, 91S,

Ground Covers (all nodes) (continued)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
5.215	0.000	5.270	0.000	0.000	10.485	Paved parking	1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 39S, 40S, 44S, 45S, 50S, 51S, 60S, 61S, 62S, 63S, 64S, 65S, 66S, 67S, 68S, 69S, 70S, 71S, 72S, 73S, 74S, 75S, 76S, 77S, 78S, 79S, 80S, 81S, 82S, 83S, 86S, 87S, 88S, 89S, 90S, 91S, 92S, 93S,

Ground Covers (all nodes) (continued)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.000	0.000	0.280	0.280	Pervious Pavement	58S
0.000	0.000	0.127	0.000	0.000	0.127	Roofs	85S
0.159	0.000	0.165	0.000	0.000	0.324	Unconnected pavement	44S, 58S, 84S, 85S, 189S, 202S, 204S
3.407	0.000	2.385	0.000	0.000	5.792	Unconnected roofs	1S, 2S, 3S, 5S, 6S, 8S, 11S, 12S, 13S, 14S, 39S, 44S, 45S, 50S, 57S, 58S, 60S, 62S, 63S, 65S, 66S, 67S, 69S, 71S, 73S, 74S, 75S, 76S, 77S, 78S, 79S, 80S, 81S, 82S, 83S, 84S, 86S, 88S, 90S, 91S,

Ground Covers (all nodes) (continued)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
5.071	0.000	1.957	0.000	0.000	7.028	Woods, Good	57S, 58S, 84S, 186S, 189S, 191S, 204S, 207S
23.706	**0.000**	**15.857**	**0.000**	**0.280**	**39.842**	**TOTAL AREA**	

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
1	15P	57.00	52.50	67.0	0.0672	0.013	0.0	18.0	0.0	
2	16P	62.10	62.00	12.0	0.0083	0.013	0.0	12.0	0.0	
3	17P	62.10	62.00	15.0	0.0067	0.013	0.0	12.0	0.0	
4	18P	63.88	63.78	13.0	0.0077	0.013	0.0	12.0	0.0	
5	19P	63.88	63.78	12.0	0.0083	0.013	0.0	12.0	0.0	
6	20P	61.90	61.57	66.0	0.0050	0.013	0.0	12.0	0.0	
7	21P	61.47	61.10	71.0	0.0052	0.013	0.0	12.0	0.0	
8	22P	61.20	61.10	10.0	0.0100	0.013	0.0	12.0	0.0	
9	23P	61.20	61.10	10.0	0.0100	0.013	0.0	12.0	0.0	
10	24P	61.00	59.23	55.0	0.0322	0.013	0.0	18.0	0.0	
11	25P	63.68	62.20	148.0	0.0100	0.013	0.0	12.0	0.0	
12	26P	62.30	62.20	15.0	0.0067	0.013	0.0	12.0	0.0	
13	27P	62.30	62.20	13.0	0.0077	0.013	0.0	12.0	0.0	
14	28P	62.10	59.23	85.0	0.0338	0.013	0.0	12.0	0.0	
15	29P	59.13	58.83	25.0	0.0120	0.013	0.0	24.0	0.0	
16	30P	60.23	59.23	15.0	0.0667	0.013	0.0	12.0	0.0	
17	31P	60.30	60.20	12.0	0.0083	0.013	0.0	12.0	0.0	
18	32P	60.30	60.20	12.0	0.0083	0.013	0.0	12.0	0.0	
19	33P	60.76	59.76	9.0	0.1111	0.013	0.0	12.0	0.0	
20	34P	60.10	59.76	67.0	0.0051	0.013	0.0	12.0	0.0	
21	35P	59.66	59.40	52.0	0.0050	0.013	0.0	12.0	0.0	
22	36P	60.20	59.40	7.0	0.1143	0.013	0.0	12.0	0.0	
23	37P	59.30	58.83	94.0	0.0050	0.013	0.0	12.0	0.0	
24	38P	58.73	57.00	68.0	0.0254	0.013	0.0	24.0	0.0	
25	41P	58.50	58.40	8.0	0.0125	0.013	0.0	12.0	0.0	
26	42P	58.50	58.40	8.0	0.0125	0.013	0.0	12.0	0.0	
27	43P	58.30	54.70	87.0	0.0414	0.013	0.0	12.0	0.0	
28	46P	54.80	54.70	11.0	0.0091	0.013	0.0	12.0	0.0	
29	47P	54.80	54.70	11.0	0.0091	0.013	0.0	12.0	0.0	
30	48P	54.60	54.50	5.0	0.0200	0.013	0.0	12.0	0.0	
31	49P	54.00	51.50	76.0	0.0329	0.013	0.0	12.0	0.0	
32	49P	54.00	51.00	76.0	0.0395	0.013	0.0	12.0	0.0	
33	52P	51.10	50.90	22.0	0.0091	0.013	0.0	12.0	0.0	
34	53P	51.10	50.90	24.0	0.0083	0.013	0.0	12.0	0.0	
35	54P	50.80	50.28	104.0	0.0050	0.013	0.0	12.0	0.0	
36	55P	50.18	50.00	35.0	0.0051	0.013	0.0	12.0	0.0	
37	60P	60.00	56.00	29.0	0.1379	0.013	0.0	18.0	0.0	
38	61P	50.40	49.00	28.0	0.0500	0.013	0.0	12.0	0.0	
39	62P	60.50	60.30	20.0	0.0100	0.013	0.0	12.0	0.0	
40	63P	60.60	60.30	14.0	0.0214	0.013	0.0	12.0	0.0	
41	64P	60.10	59.90	25.0	0.0080	0.013	0.0	12.0	0.0	
42	65P	58.70	58.00	59.0	0.0119	0.013	0.0	12.0	0.0	

Pipe Listing (all nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
43	66P	58.90	58.80	12.0	0.0083	0.013	0.0	12.0	0.0	
44	67P	58.90	58.80	11.0	0.0091	0.013	0.0	12.0	0.0	
45	68P	59.30	57.00	71.0	0.0324	0.013	0.0	12.0	0.0	
46	69P	61.50	60.90	10.0	0.0600	0.013	0.0	12.0	0.0	
47	70P	61.50	60.90	10.0	0.0600	0.013	0.0	12.0	0.0	
48	71P	60.80	60.70	5.0	0.0200	0.013	0.0	12.0	0.0	
49	72P	60.20	57.00	32.0	0.1000	0.013	0.0	12.0	0.0	
50	73P	61.10	60.90	25.0	0.0080	0.013	0.0	12.0	0.0	
51	74P	61.10	60.90	15.0	0.0133	0.013	0.0	12.0	0.0	
52	75P	60.80	60.20	118.0	0.0051	0.013	0.0	12.0	0.0	
53	76P	58.20	58.00	20.0	0.0100	0.013	0.0	12.0	0.0	
54	77P	58.20	58.00	20.0	0.0100	0.013	0.0	12.0	0.0	
55	78P	57.90	57.70	25.0	0.0080	0.013	0.0	18.0	0.0	
56	79P	57.60	56.91	148.0	0.0047	0.013	0.0	18.0	0.0	
57	80P	56.81	56.27	104.0	0.0052	0.013	0.0	18.0	0.0	
58	81P	56.17	55.00	60.0	0.0195	0.013	0.0	18.0	0.0	
59	82P	55.00	54.00	52.0	0.0192	0.013	0.0	12.0	0.0	
60	83P	58.00	57.75	11.0	0.0227	0.013	0.0	12.0	0.0	
61	84P	58.00	57.75	11.0	0.0227	0.013	0.0	12.0	0.0	
62	85P	57.65	57.55	10.0	0.0100	0.013	0.0	12.0	0.0	
63	86P	61.00	57.00	105.0	0.0381	0.013	0.0	12.0	0.0	
64	87P	62.00	61.90	11.0	0.0091	0.013	0.0	12.0	0.0	
65	88P	62.00	61.90	11.0	0.0091	0.013	0.0	12.0	0.0	
66	89P	64.50	64.40	12.0	0.0083	0.013	0.0	12.0	0.0	
67	90P	64.50	64.40	12.0	0.0083	0.013	0.0	12.0	0.0	
68	91P	64.30	62.10	108.0	0.0204	0.013	0.0	12.0	0.0	
69	92P	61.80	58.30	120.0	0.0292	0.013	0.0	12.0	0.0	
70	93P	58.20	57.65	84.0	0.0065	0.013	0.0	18.0	0.0	
71	94P	62.65	62.55	11.0	0.0091	0.013	0.0	12.0	0.0	
72	95P	62.65	62.55	11.0	0.0091	0.013	0.0	12.0	0.0	
73	96P	62.00	61.10	134.0	0.0067	0.013	0.0	18.0	0.0	
74	97P	57.50	53.00	30.0	0.1500	0.013	0.0	18.0	0.0	
75	98P	59.80	58.30	136.0	0.0110	0.013	0.0	18.0	0.0	
76	99P	62.99	62.89	11.0	0.0091	0.013	0.0	12.0	0.0	
77	100P	62.99	62.89	11.0	0.0091	0.013	0.0	12.0	0.0	
78	101P	62.79	62.10	136.0	0.0051	0.013	0.0	18.0	0.0	
79	102P	61.40	61.25	27.0	0.0056	0.013	0.0	12.0	0.0	
80	103P	61.40	61.25	27.0	0.0056	0.013	0.0	12.0	0.0	
81	104P	61.00	60.90	11.0	0.0091	0.013	0.0	12.0	0.0	
82	105P	61.00	60.90	11.0	0.0091	0.013	0.0	12.0	0.0	
83	106P	60.80	59.90	110.0	0.0082	0.013	0.0	18.0	0.0	
84	107P	60.00	59.00	10.0	0.1000	0.013	0.0	12.0	0.0	

Pipe Listing (all nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
85	108P	60.00	59.00	11.0	0.0909	0.013	0.0	12.0	0.0	
86	109P	61.40	61.30	15.0	0.0067	0.013	0.0	12.0	0.0	
87	110P	61.40	61.30	15.0	0.0067	0.013	0.0	15.0	0.0	
88	111P	61.00	60.60	74.0	0.0054	0.013	0.0	24.0	0.0	
89	112P	57.59	57.49	10.0	0.0100	0.013	0.0	12.0	0.0	
90	113P	60.00	59.90	11.0	0.0091	0.013	0.0	12.0	0.0	
91	114P	60.00	59.90	11.0	0.0091	0.013	0.0	12.0	0.0	
92	115P	59.23	58.23	12.0	0.0833	0.013	0.0	12.0	0.0	
93	116P	59.23	58.23	14.0	0.0714	0.013	0.0	12.0	0.0	
94	117P	59.26	58.56	140.0	0.0050	0.013	0.0	18.0	0.0	
95	118P	59.80	59.36	87.0	0.0051	0.013	0.0	12.0	0.0	
96	119P	58.46	57.95	102.0	0.0050	0.013	0.0	18.0	0.0	
97	120P	57.85	57.00	40.0	0.0213	0.013	0.0	24.0	0.0	
98	122P	57.59	57.49	16.0	0.0063	0.013	0.0	12.0	0.0	
99	123P	57.39	56.61	78.0	0.0100	0.013	0.0	18.0	0.0	
100	124P	56.57	54.70	75.0	0.0249	0.013	0.0	18.0	0.0	
101	125P	54.45	54.35	15.0	0.0067	0.013	0.0	12.0	0.0	
102	126P	54.45	54.35	15.0	0.0067	0.013	0.0	12.0	0.0	
103	127P	54.25	52.80	84.0	0.0173	0.013	0.0	12.0	0.0	
104	128P	55.90	55.80	10.0	0.0100	0.013	0.0	12.0	0.0	
105	129P	53.86	53.76	11.0	0.0091	0.013	0.0	12.0	0.0	
106	130P	54.02	53.61	16.0	0.0256	0.013	0.0	12.0	0.0	
107	131P	53.86	53.76	12.0	0.0083	0.013	0.0	12.0	0.0	
108	132P	53.71	53.61	10.0	0.0100	0.013	0.0	12.0	0.0	
109	133P	53.56	53.00	112.0	0.0050	0.013	0.0	18.0	0.0	
110	134P	53.71	53.61	20.0	0.0050	0.013	0.0	12.0	0.0	
111	135P	53.00	52.00	25.0	0.0400	0.013	0.0	12.0	0.0	
112	136P	53.50	53.40	10.0	0.0100	0.013	0.0	12.0	0.0	
113	137P	53.50	53.00	70.0	0.0071	0.013	0.0	12.0	0.0	
114	138P	53.50	53.40	10.0	0.0100	0.013	0.0	12.0	0.0	
115	139P	53.30	52.80	99.0	0.0051	0.013	0.0	12.0	0.0	
116	140P	55.90	55.80	19.0	0.0053	0.013	0.0	12.0	0.0	
117	141P	55.70	54.05	142.0	0.0116	0.013	0.0	12.0	0.0	
118	142P	50.53	50.43	7.0	0.0143	0.013	0.0	12.0	0.0	
119	143P	50.53	50.43	7.0	0.0143	0.013	0.0	12.0	0.0	
120	144P	50.33	49.96	73.0	0.0051	0.013	0.0	12.0	0.0	
121	145P	49.86	49.00	95.0	0.0091	0.013	0.0	18.0	0.0	
122	146P	49.00	45.00	42.0	0.0952	0.013	0.0	12.0	0.0	
123	147P	54.20	54.05	27.0	0.0056	0.013	0.0	12.0	0.0	
124	148P	52.00	49.00	68.0	0.0441	0.013	0.0	12.0	0.0	
125	149P	54.20	54.05	19.0	0.0079	0.013	0.0	12.0	0.0	
126	150P	53.95	53.23	50.0	0.0144	0.013	0.0	12.0	0.0	

Pipe Listing (all nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
127	151P	52.30	52.15	28.0	0.0054	0.013	0.0	12.0	0.0	
128	152P	52.30	52.15	19.0	0.0079	0.013	0.0	12.0	0.0	
129	153P	52.05	51.55	94.0	0.0053	0.013	0.0	18.0	0.0	
130	154P	53.25	53.15	8.0	0.0125	0.013	0.0	12.0	0.0	
131	155P	54.60	54.50	10.0	0.0100	0.013	0.0	12.0	0.0	
132	156P	54.60	54.50	10.0	0.0100	0.013	0.0	12.0	0.0	
133	157P	54.40	53.50	86.0	0.0105	0.013	0.0	12.0	0.0	
134	158P	53.60	53.50	12.0	0.0083	0.013	0.0	12.0	0.0	
135	159P	53.60	53.50	12.0	0.0083	0.013	0.0	12.0	0.0	
136	160P	53.40	53.23	33.0	0.0052	0.013	0.0	12.0	0.0	
137	161P	53.13	52.15	100.0	0.0098	0.013	0.0	18.0	0.0	
138	162P	51.04	50.84	14.0	0.0143	0.013	0.0	12.0	0.0	
139	163P	51.05	50.94	22.0	0.0050	0.013	0.0	12.0	0.0	
140	165P	53.25	53.15	8.0	0.0125	0.013	0.0	12.0	0.0	
141	166P	52.16	51.70	92.0	0.0050	0.013	0.0	12.0	0.0	
142	167P	50.79	50.59	19.0	0.0105	0.013	0.0	12.0	0.0	
143	168P	50.79	50.59	11.0	0.0182	0.013	0.0	12.0	0.0	
144	169P	51.60	51.06	107.0	0.0050	0.013	0.0	12.0	0.0	
145	170P	50.40	49.00	21.0	0.0667	0.013	0.0	12.0	0.0	
146	171P	48.80	47.85	130.0	0.0073	0.013	0.0	18.0	0.0	
147	172P	51.90	51.80	8.0	0.0125	0.013	0.0	12.0	0.0	
148	173P	51.90	51.80	8.0	0.0125	0.013	0.0	12.0	0.0	
149	174P	50.96	50.70	22.0	0.0118	0.013	0.0	18.0	0.0	
150	175P	49.52	49.00	103.0	0.0050	0.013	0.0	12.0	0.0	
151	176P	49.82	49.62	15.0	0.0133	0.013	0.0	12.0	0.0	
152	177P	51.25	51.15	11.0	0.0091	0.013	0.0	12.0	0.0	
153	178P	51.25	51.15	11.0	0.0091	0.013	0.0	12.0	0.0	
154	179P	51.05	50.70	70.0	0.0050	0.013	0.0	12.0	0.0	
155	180P	50.84	50.59	49.0	0.0051	0.013	0.0	18.0	0.0	
156	181P	50.49	49.62	174.0	0.0050	0.013	0.0	12.0	0.0	
157	182P	49.82	49.62	25.0	0.0080	0.013	0.0	12.0	0.0	
158	185P	47.75	47.00	36.0	0.0208	0.013	0.0	24.0	0.0	
159	186P	46.00	43.50	186.0	0.0134	0.013	0.0	12.0	0.0	
160	186P	46.60	46.50	20.0	0.0050	0.013	0.0	18.0	0.0	
161	187P	55.00	54.00	20.0	0.0500	0.013	0.0	24.0	0.0	
162	188P	48.00	47.50	30.0	0.0167	0.013	0.0	12.0	0.0	
163	189P	48.00	47.50	19.0	0.0263	0.013	0.0	12.0	0.0	
164	190P	47.40	46.33	32.0	0.0334	0.013	0.0	12.0	0.0	
165	191P	50.50	49.00	194.0	0.0077	0.013	0.0	12.0	0.0	
166	193P	46.84	46.71	25.0	0.0052	0.013	0.0	12.0	0.0	
167	194P	46.81	46.71	15.0	0.0067	0.013	0.0	12.0	0.0	
168	195P	53.00	52.00	50.0	0.0200	0.013	0.0	18.0	0.0	

Pipe Listing (all nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
169	196P	48.00	47.84	27.0	0.0059	0.013	0.0	12.0	0.0	
170	197P	47.00	43.50	25.0	0.1400	0.013	0.0	12.0	0.0	
171	198P	52.75	52.65	10.0	0.0100	0.013	0.0	18.0	0.0	
172	200P	46.66	46.33	65.0	0.0051	0.013	0.0	12.0	0.0	
173	201P	54.00	53.65	20.0	0.0175	0.013	0.0	12.0	0.0	
174	202P	52.65	52.16	89.0	0.0055	0.013	0.0	18.0	0.0	
175	204P	51.05	51.50	5.0	-0.0900	0.013	0.0	18.0	0.0	
176	205P	52.70	52.60	16.0	0.0063	0.013	0.0	12.0	0.0	
177	206P	53.60	54.50	5.0	-0.1800	0.013	0.0	18.0	0.0	
178	207P	59.90	59.80	5.0	0.0200	0.013	0.0	12.0	0.0	
179	208P	60.55	60.50	5.0	0.0100	0.013	0.0	24.0	0.0	
180	209P	57.60	57.55	5.0	0.0100	0.013	0.0	18.0	0.0	
181	210P	57.85	57.05	11.0	0.0727	0.013	0.0	24.0	0.0	
182	211P	51.50	48.00	110.0	0.0318	0.013	0.0	24.0	0.0	
183	212P	48.00	47.85	17.0	0.0088	0.013	0.0	18.0	0.0	
184	213P	46.28	46.00	54.0	0.0052	0.013	0.0	12.0	0.0	
185	214P	48.10	48.00	3.0	0.0333	0.013	0.0	18.0	0.0	
186	215P	48.40	48.20	13.0	0.0154	0.013	0.0	12.0	0.0	
187	216P	49.63	49.00	63.0	0.0100	0.013	0.0	12.0	0.0	
188	217P	50.60	50.50	5.0	0.0200	0.013	0.0	18.0	0.0	
189	218P	51.85	51.32	105.0	0.0050	0.013	0.0	12.0	0.0	
190	219P	51.27	50.93	60.0	0.0057	0.013	0.0	12.0	0.0	
191	220P	50.88	50.83	3.0	0.0167	0.013	0.0	12.0	0.0	
192	221P	56.00	53.00	35.0	0.0857	0.013	0.0	12.0	0.0	

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: P1A Runoff Area=7,501 sf 96.61% Impervious Runoff Depth>2.64"
Tc=6.0 min CN=97 Runoff=0.51 cfs 0.038 af

Subcatchment 2S: P1B Runoff Area=16,584 sf 74.19% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.98 cfs 0.069 af

Subcatchment 3S: P1C Runoff Area=6,087 sf 64.30% Impervious Runoff Depth>1.91"
Tc=6.0 min CN=89 Runoff=0.32 cfs 0.022 af

Subcatchment 4S: P1D Runoff Area=2,767 sf 81.50% Impervious Runoff Depth>2.36"
Tc=6.0 min CN=94 Runoff=0.17 cfs 0.012 af

Subcatchment 5S: P1E Runoff Area=11,538 sf 66.20% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=90 Runoff=0.64 cfs 0.044 af

Subcatchment 6S: P1F Runoff Area=4,817 sf 71.39% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.28 cfs 0.019 af

Subcatchment 7S: P1G Runoff Area=5,511 sf 100.00% Impervious Runoff Depth>2.73"
Tc=6.0 min CN=98 Runoff=0.38 cfs 0.029 af

Subcatchment 8S: P1H Runoff Area=13,713 sf 81.38% Impervious Runoff Depth>2.36"
Tc=6.0 min CN=94 Runoff=0.86 cfs 0.062 af

Subcatchment 9S: P1I Runoff Area=3,616 sf 78.43% Impervious Runoff Depth>2.26"
Tc=6.0 min CN=93 Runoff=0.22 cfs 0.016 af

Subcatchment 10S: P1J Runoff Area=1,937 sf 100.00% Impervious Runoff Depth>2.73"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.010 af

Subcatchment 11S: P1K Runoff Area=1,936 sf 96.85% Impervious Runoff Depth>2.64"
Tc=6.0 min CN=97 Runoff=0.13 cfs 0.010 af

Subcatchment 12S: P1L Runoff Area=9,821 sf 78.85% Impervious Runoff Depth>2.26"
Tc=6.0 min CN=93 Runoff=0.60 cfs 0.043 af

Subcatchment 13S: P1M Runoff Area=8,699 sf 94.53% Impervious Runoff Depth>2.64"
Tc=6.0 min CN=97 Runoff=0.59 cfs 0.044 af

Subcatchment 14S: P1N Runoff Area=14,865 sf 3.94% Impervious Runoff Depth>0.92"
Tc=6.0 min UI Adjusted CN=74 Runoff=0.37 cfs 0.026 af

Subcatchment 39S: P1P Runoff Area=7,939 sf 66.96% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=90 Runoff=0.44 cfs 0.030 af

Subcatchment 40S: P1O Runoff Area=978 sf 100.00% Impervious Runoff Depth>2.73"
Tc=6.0 min CN=98 Runoff=0.07 cfs 0.005 af

Subcatchment 44S: P1R Runoff Area=15,334 sf 70.58% Impervious Runoff Depth>1.46"
Tc=6.0 min CN=83 Runoff=0.63 cfs 0.043 af

Subcatchment 45S: P1Q Runoff Area=5,247 sf 97.54% Impervious Runoff Depth>2.64"
Tc=6.0 min CN=97 Runoff=0.35 cfs 0.027 af

Subcatchment 50S: P1S Runoff Area=22,872 sf 65.45% Impervious Runoff Depth>1.14"
Tc=6.0 min CN=78 Runoff=0.73 cfs 0.050 af

Subcatchment 51S: P1T Runoff Area=13,963 sf 29.26% Impervious Runoff Depth>0.22"
Tc=6.0 min CN=56 Runoff=0.04 cfs 0.006 af

Subcatchment 57S: (new Subcat) Runoff Area=23,511 sf 5.60% Impervious Runoff Depth=0.00"
Flow Length=87' Tc=13.0 min UI Adjusted CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment 58S: P1AA Runoff Area=217,595 sf 2.56% Impervious Runoff Depth>0.02"
Flow Length=111' Tc=11.7 min UI Adjusted CN=45 Runoff=0.02 cfs 0.010 af

Subcatchment 60S: P2C Runoff Area=6,486 sf 73.97% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.38 cfs 0.027 af

Subcatchment 61S: P2D Runoff Area=1,464 sf 87.02% Impervious Runoff Depth>2.45"
Tc=6.0 min CN=95 Runoff=0.09 cfs 0.007 af

Subcatchment 62S: P2J Runoff Area=10,675 sf 72.86% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.61 cfs 0.043 af

Subcatchment 63S: P2K Runoff Area=6,698 sf 76.98% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.40 cfs 0.028 af

Subcatchment 64S: P3L Runoff Area=2,885 sf 66.55% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=90 Runoff=0.16 cfs 0.011 af

Subcatchment 65S: P3M Runoff Area=5,397 sf 69.69% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.31 cfs 0.021 af

Subcatchment 66S: P3N Runoff Area=7,748 sf 72.79% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.44 cfs 0.031 af

Subcatchment 67S: P3O Runoff Area=8,254 sf 78.29% Impervious Runoff Depth>2.26"
Tc=6.0 min CN=93 Runoff=0.50 cfs 0.036 af

Subcatchment 68S: P3P Runoff Area=4,070 sf 80.29% Impervious Runoff Depth>2.26"
Tc=6.0 min CN=93 Runoff=0.25 cfs 0.018 af

Subcatchment 69S: P2E Runoff Area=7,088 sf 82.69% Impervious Runoff Depth>2.36"
Tc=6.0 min CN=94 Runoff=0.45 cfs 0.032 af

Subcatchment 70S: P2F Runoff Area=3,932 sf 100.00% Impervious Runoff Depth>2.73"
Tc=6.0 min CN=98 Runoff=0.27 cfs 0.021 af

Subcatchment 71S: P2A Runoff Area=10,978 sf 65.83% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=90 Runoff=0.61 cfs 0.042 af

Subcatchment72S: P2B Runoff Area=7,563 sf 65.05% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=90 Runoff=0.42 cfs 0.029 af

Subcatchment73S: P2G Runoff Area=8,223 sf 71.07% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.47 cfs 0.033 af

Subcatchment74S: P2H Runoff Area=4,268 sf 95.31% Impervious Runoff Depth>2.45"
Tc=6.0 min CN=95 Runoff=0.28 cfs 0.020 af

Subcatchment75S: P3Q Runoff Area=10,219 sf 64.37% Impervious Runoff Depth>1.91"
Tc=6.0 min CN=89 Runoff=0.54 cfs 0.037 af

Subcatchment76S: P3R Runoff Area=13,649 sf 76.83% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.81 cfs 0.057 af

Subcatchment77S: P3S Runoff Area=7,757 sf 69.60% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.44 cfs 0.031 af

Subcatchment78S: P1S Runoff Area=12,630 sf 58.56% Impervious Runoff Depth>1.67"
Tc=6.0 min CN=86 Runoff=0.60 cfs 0.040 af

Subcatchment79S: P1T Runoff Area=11,982 sf 72.42% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.69 cfs 0.048 af

Subcatchment80S: P3KK Runoff Area=8,557 sf 76.76% Impervious Runoff Depth>1.53"
Tc=6.0 min CN=84 Runoff=0.37 cfs 0.025 af

Subcatchment81S: P3LL Runoff Area=9,785 sf 79.18% Impervious Runoff Depth>1.67"
Tc=6.0 min CN=86 Runoff=0.46 cfs 0.031 af

Subcatchment82S: P3SS Runoff Area=12,880 sf 67.55% Impervious Runoff Depth>1.20"
Tc=6.0 min CN=79 Runoff=0.44 cfs 0.029 af

Subcatchment83S: P2I Runoff Area=13,847 sf 51.48% Impervious Runoff Depth>1.20"
Tc=6.0 min CN=79 Runoff=0.47 cfs 0.032 af

Subcatchment84S: P2AA Runoff Area=71,125 sf 7.37% Impervious Runoff Depth>0.81"
Flow Length=201' Tc=8.4 min UI Adjusted CN=72 Runoff=1.42 cfs 0.111 af

Subcatchment85S: (new Subcat) Runoff Area=25,650 sf 36.87% Impervious Runoff Depth>1.46"
Tc=6.0 min CN=83 Runoff=1.06 cfs 0.071 af

Subcatchment86S: P3TT Runoff Area=13,926 sf 63.97% Impervious Runoff Depth>1.14"
Tc=6.0 min CN=78 Runoff=0.45 cfs 0.030 af

Subcatchment87S: P3A Runoff Area=2,273 sf 80.20% Impervious Runoff Depth>2.26"
Tc=6.0 min CN=93 Runoff=0.14 cfs 0.010 af

Subcatchment88S: P3B Runoff Area=4,538 sf 76.91% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.27 cfs 0.019 af

Subcatchment89S: P3AAA Runoff Area=6,945 sf 74.64% Impervious Runoff Depth>1.46"
Tc=6.0 min CN=83 Runoff=0.29 cfs 0.019 af

Subcatchment90S: P3BBB Runoff Area=9,141 sf 67.61% Impervious Runoff Depth>1.20"
Tc=6.0 min CN=79 Runoff=0.31 cfs 0.021 af

Subcatchment91S: P3GGG Runoff Area=9,122 sf 66.66% Impervious Runoff Depth>1.14"
Tc=6.0 min CN=78 Runoff=0.29 cfs 0.020 af

Subcatchment92S: P3C Runoff Area=6,128 sf 70.69% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.35 cfs 0.024 af

Subcatchment93S: P3D Runoff Area=8,893 sf 71.21% Impervious Runoff Depth>2.08"
Tc=6.0 min CN=91 Runoff=0.51 cfs 0.035 af

Subcatchment94S: P3HHH Runoff Area=9,026 sf 76.76% Impervious Runoff Depth>1.53"
Tc=6.0 min CN=84 Runoff=0.39 cfs 0.026 af

Subcatchment95S: P2X Runoff Area=6,460 sf 100.00% Impervious Runoff Depth>2.73"
Tc=6.0 min CN=98 Runoff=0.44 cfs 0.034 af

Subcatchment97S: P3G Runoff Area=16,665 sf 73.17% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.99 cfs 0.069 af

Subcatchment98S: P3H Runoff Area=11,218 sf 68.08% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=90 Runoff=0.62 cfs 0.043 af

Subcatchment102S: P3J Runoff Area=14,925 sf 64.21% Impervious Runoff Depth>1.91"
Tc=6.0 min CN=89 Runoff=0.80 cfs 0.055 af

Subcatchment103S: P3I Runoff Area=21,963 sf 74.80% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=1.30 cfs 0.091 af

Subcatchment107S: P3E Runoff Area=17,242 sf 64.26% Impervious Runoff Depth>1.91"
Tc=6.0 min CN=89 Runoff=0.92 cfs 0.063 af

Subcatchment108S: P3F Runoff Area=19,891 sf 64.44% Impervious Runoff Depth>1.91"
Tc=6.0 min CN=89 Runoff=1.06 cfs 0.073 af

Subcatchment109S: P3T Runoff Area=11,178 sf 83.40% Impervious Runoff Depth>2.36"
Tc=6.0 min CN=94 Runoff=0.70 cfs 0.050 af

Subcatchment110S: P3U Runoff Area=14,474 sf 76.35% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.86 cfs 0.060 af

Subcatchment111S: P3V Runoff Area=14,345 sf 82.49% Impervious Runoff Depth>2.36"
Tc=6.0 min CN=94 Runoff=0.90 cfs 0.065 af

Subcatchment112S: P3W Runoff Area=8,601 sf 91.64% Impervious Runoff Depth>2.55"
Tc=6.0 min CN=96 Runoff=0.57 cfs 0.042 af

Subcatchment125S: P3EE Runoff Area=23,054 sf 81.18% Impervious Runoff Depth>1.75"
Tc=6.0 min CN=87 Runoff=1.14 cfs 0.077 af

Subcatchment 126S: P3FF Runoff Area=17,312 sf 70.10% Impervious Runoff Depth>1.26"
Tc=6.0 min CN=80 Runoff=0.62 cfs 0.042 af

Subcatchment 127S: P3GG Runoff Area=16,395 sf 53.54% Impervious Runoff Depth>0.77"
Tc=6.0 min CN=71 Runoff=0.33 cfs 0.024 af

Subcatchment 128S: P3HH Runoff Area=15,226 sf 63.87% Impervious Runoff Depth>1.08"
Tc=6.0 min CN=77 Runoff=0.46 cfs 0.031 af

Subcatchment 129S: P3MM Runoff Area=7,841 sf 66.23% Impervious Runoff Depth>1.14"
Tc=6.0 min CN=78 Runoff=0.25 cfs 0.017 af

Subcatchment 130S: P3NN Runoff Area=6,295 sf 72.58% Impervious Runoff Depth>1.39"
Tc=6.0 min CN=82 Runoff=0.25 cfs 0.017 af

Subcatchment 136S: P3II Runoff Area=10,900 sf 80.29% Impervious Runoff Depth>1.67"
Tc=6.0 min CN=86 Runoff=0.52 cfs 0.035 af

Subcatchment 138S: P3JJ Runoff Area=14,214 sf 6.96% Impervious Runoff Depth>0.00"
Flow Length=50' Slope=0.0100 '/' Tc=7.5 min UI Adjusted CN=41 Runoff=0.00 cfs 0.000 af

Subcatchment 140S: P3OO Runoff Area=17,829 sf 65.98% Impervious Runoff Depth>1.14"
Tc=6.0 min CN=78 Runoff=0.57 cfs 0.039 af

Subcatchment 141S: P3PP Runoff Area=25,131 sf 66.17% Impervious Runoff Depth>1.14"
Tc=6.0 min CN=78 Runoff=0.80 cfs 0.055 af

Subcatchment 142S: P3UU Runoff Area=3,331 sf 72.53% Impervious Runoff Depth>1.39"
Tc=6.0 min CN=82 Runoff=0.13 cfs 0.009 af

Subcatchment 143S: P3VV Runoff Area=3,461 sf 73.82% Impervious Runoff Depth>1.46"
Tc=6.0 min CN=83 Runoff=0.14 cfs 0.010 af

Subcatchment 147S: P3QQ Runoff Area=8,544 sf 80.21% Impervious Runoff Depth>1.67"
Tc=6.0 min CN=86 Runoff=0.40 cfs 0.027 af

Subcatchment 149S: P3RR Runoff Area=7,953 sf 10.10% Impervious Runoff Depth>0.00"
Flow Length=50' Slope=0.0100 '/' Tc=7.5 min UI Adjusted CN=42 Runoff=0.00 cfs 0.000 af

Subcatchment 151S: P3ZZ Runoff Area=6,359 sf 79.60% Impervious Runoff Depth>1.67"
Tc=6.0 min CN=86 Runoff=0.30 cfs 0.020 af

Subcatchment 152S: P3YY Runoff Area=5,089 sf 70.43% Impervious Runoff Depth>1.32"
Tc=6.0 min CN=81 Runoff=0.19 cfs 0.013 af

Subcatchment 153S: P3WW Runoff Area=9,574 sf 74.64% Impervious Runoff Depth>1.46"
Tc=6.0 min CN=83 Runoff=0.40 cfs 0.027 af

Subcatchment 154S: P3XX Runoff Area=4,702 sf 90.07% Impervious Runoff Depth>2.17"
Tc=6.0 min CN=92 Runoff=0.28 cfs 0.020 af

Subcatchment 155S: P3CCC Runoff Area=13,537 sf 63.37% Impervious Runoff Depth>1.02"
Tc=6.0 min CN=76 Runoff=0.39 cfs 0.026 af

Subcatchment 156S: P3DDD Runoff Area=17,001 sf 63.16% Impervious Runoff Depth>1.02"
Tc=6.0 min CN=76 Runoff=0.48 cfs 0.033 af

Subcatchment 165S: P3FFF Runoff Area=10,066 sf 30.05% Impervious Runoff Depth>0.25"
Tc=6.0 min CN=57 Runoff=0.03 cfs 0.005 af

Subcatchment 166S: P3EEE Runoff Area=9,100 sf 65.78% Impervious Runoff Depth>1.14"
Tc=6.0 min CN=78 Runoff=0.29 cfs 0.020 af

Subcatchment 170S: P3JJJ Runoff Area=13,803 sf 75.85% Impervious Runoff Depth>1.53"
Tc=6.0 min CN=84 Runoff=0.60 cfs 0.040 af

Subcatchment 171S: P3III Runoff Area=5,653 sf 71.18% Impervious Runoff Depth>1.32"
Tc=6.0 min CN=81 Runoff=0.21 cfs 0.014 af

Subcatchment 175S: P3KKK Runoff Area=13,904 sf 64.43% Impervious Runoff Depth>1.08"
Tc=6.0 min CN=77 Runoff=0.42 cfs 0.029 af

Subcatchment 176S: P3LLL Runoff Area=6,640 sf 60.77% Impervious Runoff Depth>0.97"
Tc=6.0 min CN=75 Runoff=0.18 cfs 0.012 af

Subcatchment 182S: P3MMM Runoff Area=5,111 sf 57.03% Impervious Runoff Depth>0.86"
Tc=6.0 min CN=73 Runoff=0.12 cfs 0.008 af

Subcatchment 183S: P3NNN Runoff Area=9,871 sf 61.54% Impervious Runoff Depth>0.97"
Tc=6.0 min CN=75 Runoff=0.26 cfs 0.018 af

Subcatchment 184S: P3OOO Runoff Area=8,647 sf 57.72% Impervious Runoff Depth>0.86"
Tc=6.0 min CN=73 Runoff=0.20 cfs 0.014 af

Subcatchment 185S: P3PPP Runoff Area=4,572 sf 75.17% Impervious Runoff Depth>1.46"
Tc=6.0 min CN=83 Runoff=0.19 cfs 0.013 af

Subcatchment 186S: P3QQQ Runoff Area=6,874 sf 54.66% Impervious Runoff Depth>0.72"
Tc=6.0 min CN=70 Runoff=0.13 cfs 0.009 af

Subcatchment 187S: P3RRR Runoff Area=12,294 sf 69.07% Impervious Runoff Depth>1.26"
Tc=6.0 min CN=80 Runoff=0.44 cfs 0.030 af

Subcatchment 189S: (new Subcat) Runoff Area=179,843 sf 4.59% Impervious Runoff Depth>0.15"
Flow Length=322' Tc=20.8 min UI Adjusted CN=53 Runoff=0.20 cfs 0.051 af

Subcatchment 190S: (new Subcat) Runoff Area=12,078 sf 85.87% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=90 Runoff=0.67 cfs 0.046 af

Subcatchment 191S: P3SSS Runoff Area=7,482 sf 31.70% Impervious Runoff Depth>0.15"
Tc=6.0 min CN=53 Runoff=0.01 cfs 0.002 af

Subcatchment 192S: P3TTT Runoff Area=4,075 sf 74.38% Impervious Runoff Depth>1.46"
Tc=6.0 min CN=83 Runoff=0.17 cfs 0.011 af

Subcatchment 195S: P3UUU Runoff Area=14,624 sf 80.22% Impervious Runoff Depth>1.67"
Tc=6.0 min CN=86 Runoff=0.69 cfs 0.047 af

Subcatchment 198S: P3VVV Runoff Area=12,434 sf 0.00% Impervious Runoff Depth=0.00"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment 202S: (new Subcat) Runoff Area=26,038 sf 46.07% Impervious Runoff Depth>0.55"
Tc=6.0 min CN=66 Runoff=0.34 cfs 0.027 af

Subcatchment 204S: (new Subcat) Runoff Area=149,084 sf 3.60% Impervious Runoff Depth=0.00"
Flow Length=135' Tc=8.1 min UI Adjusted CN=36 Runoff=0.00 cfs 0.000 af

Subcatchment 205S: (new Subcat) Runoff Area=9,322 sf 64.54% Impervious Runoff Depth>1.08"
Tc=6.0 min CN=77 Runoff=0.28 cfs 0.019 af

Subcatchment 206S: (new Subcat) Runoff Area=15,098 sf 0.00% Impervious Runoff Depth=0.00"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment 207S: (new Subcat) Runoff Area=21,068 sf 16.33% Impervious Runoff Depth=0.00"
Flow Length=156' Tc=15.7 min UI Adjusted CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment 216S: (new Subcat) Runoff Area=6,486 sf 77.32% Impervious Runoff Depth>1.60"
Tc=6.0 min CN=85 Runoff=0.29 cfs 0.020 af

Pond 15P: Inf. Basin 5 Peak Elev=58.75' Storage=11,957 cf Inflow=6.18 cfs 0.443 af
Discarded=0.24 cfs 0.203 af Primary=0.00 cfs 0.000 af Outflow=0.24 cfs 0.203 af

Pond 16P: CB 58 Peak Elev=62.53' Inflow=0.51 cfs 0.038 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.51 cfs 0.038 af

Pond 17P: CB 59 Peak Elev=62.74' Inflow=0.98 cfs 0.069 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.98 cfs 0.069 af

Pond 18P: CB 63 Peak Elev=64.22' Inflow=0.32 cfs 0.022 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0077 '/' Outflow=0.32 cfs 0.022 af

Pond 19P: CB 62 Peak Elev=64.12' Inflow=0.17 cfs 0.012 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.17 cfs 0.012 af

Pond 20P: DMH 43 Peak Elev=62.70' Inflow=1.49 cfs 0.107 af
12.0" Round Culvert n=0.013 L=66.0' S=0.0050 '/' Outflow=1.49 cfs 0.107 af

Pond 21P: DMH 42 Peak Elev=62.26' Inflow=1.49 cfs 0.107 af
12.0" Round Culvert n=0.013 L=71.0' S=0.0052 '/' Outflow=1.49 cfs 0.107 af

Pond 22P: CB 56 Peak Elev=61.56' Inflow=0.38 cfs 0.029 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.38 cfs 0.029 af

Pond 23P: CB 57 Peak Elev=61.78' Inflow=0.86 cfs 0.062 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.86 cfs 0.062 af

Pond 24P: DMH 41 Peak Elev=61.88' Inflow=2.73 cfs 0.197 af
18.0" Round Culvert n=0.013 L=55.0' S=0.0322 '/' Outflow=2.73 cfs 0.197 af

Pond 25P: DMH 45 Peak Elev=64.08' Inflow=0.50 cfs 0.035 af
12.0" Round Culvert n=0.013 L=148.0' S=0.0100 '/' Outflow=0.50 cfs 0.035 af

Pond 26P: CB 61 Peak Elev=62.80' Inflow=0.64 cfs 0.044 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.64 cfs 0.044 af

Pond 27P: CB 60 Peak Elev=62.61' Inflow=0.28 cfs 0.019 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0077 '/' Outflow=0.28 cfs 0.019 af

Pond 28P: DMH 44 Peak Elev=62.83' Inflow=1.41 cfs 0.098 af
12.0" Round Culvert n=0.013 L=85.0' S=0.0338 '/' Outflow=1.41 cfs 0.098 af

Pond 29P: DMH 40 Peak Elev=60.15' Inflow=4.36 cfs 0.311 af
24.0" Round Culvert n=0.013 L=25.0' S=0.0120 '/' Outflow=4.36 cfs 0.311 af

Pond 30P: CB 55 Peak Elev=60.49' Inflow=0.22 cfs 0.016 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0667 '/' Outflow=0.22 cfs 0.016 af

Pond 31P: CB 51 Peak Elev=60.50' Inflow=0.13 cfs 0.010 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.13 cfs 0.010 af

Pond 32P: CB 52 Peak Elev=60.77' Inflow=0.60 cfs 0.043 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.60 cfs 0.043 af

Pond 33P: CB 53 Peak Elev=60.96' Inflow=0.13 cfs 0.010 af
12.0" Round Culvert n=0.013 L=9.0' S=0.1111 '/' Outflow=0.13 cfs 0.010 af

Pond 34P: DMH 36 Peak Elev=60.62' Inflow=0.73 cfs 0.052 af
12.0" Round Culvert n=0.013 L=67.0' S=0.0051 '/' Outflow=0.73 cfs 0.052 af

Pond 35P: DMH 37 Peak Elev=60.24' Inflow=0.86 cfs 0.062 af
12.0" Round Culvert n=0.013 L=52.0' S=0.0050 '/' Outflow=0.86 cfs 0.062 af

Pond 36P: CB 54 Peak Elev=60.64' Inflow=0.59 cfs 0.044 af
12.0" Round Culvert n=0.013 L=7.0' S=0.1143 '/' Outflow=0.59 cfs 0.044 af

Pond 37P: DMH 38 Peak Elev=60.07' Inflow=1.45 cfs 0.106 af
12.0" Round Culvert n=0.013 L=94.0' S=0.0050 '/' Outflow=1.45 cfs 0.106 af

Pond 38P: DMH 39 Peak Elev=59.93' Inflow=5.81 cfs 0.417 af
24.0" Round Culvert n=0.013 L=68.0' S=0.0254 '/' Outflow=5.81 cfs 0.417 af

Pond 41P: CB 49 Peak Elev=58.64' Inflow=0.07 cfs 0.005 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.07 cfs 0.005 af

Pond 42P: CB 50 Peak Elev=58.89' Inflow=0.44 cfs 0.030 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.44 cfs 0.030 af

Pond 43P: DMH 35 Peak Elev=58.70' Inflow=0.51 cfs 0.035 af
12.0" Round Culvert n=0.013 L=87.0' S=0.0414 '/' Outflow=0.51 cfs 0.035 af

Pond 46P: CB 48 Peak Elev=55.29' Inflow=0.63 cfs 0.043 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.63 cfs 0.043 af

Pond 47P: CB 47 Peak Elev=55.15' Inflow=0.35 cfs 0.027 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.35 cfs 0.027 af

Pond 48P: DMH 33 Peak Elev=55.21' Inflow=0.99 cfs 0.069 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=0.99 cfs 0.069 af

Pond 49P: Sub. Inf. 4 Peak Elev=56.04' Storage=0.113 af Inflow=2.78 cfs 0.193 af
Discarded=0.12 cfs 0.096 af Primary=0.02 cfs 0.003 af Outflow=0.14 cfs 0.098 af

Pond 52P: CB 20 Peak Elev=51.20' Inflow=0.04 cfs 0.006 af
12.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Outflow=0.04 cfs 0.006 af

Pond 53P: CB 21 Peak Elev=51.60' Inflow=0.73 cfs 0.050 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0083 '/' Outflow=0.73 cfs 0.050 af

Pond 54P: DMH 15 Peak Elev=51.32' Inflow=0.75 cfs 0.056 af
12.0" Round Culvert n=0.013 L=104.0' S=0.0050 '/' Outflow=0.75 cfs 0.056 af

Pond 55P: DMH 16 Peak Elev=50.72' Inflow=0.75 cfs 0.056 af
12.0" Round Culvert n=0.013 L=35.0' S=0.0051 '/' Outflow=0.75 cfs 0.056 af

Pond 56P: Inf. Basin 4 Peak Elev=50.38' Storage=465 cf Inflow=0.75 cfs 0.056 af
Discarded=0.28 cfs 0.056 af Secondary=0.00 cfs 0.000 af Outflow=0.28 cfs 0.056 af

Pond 60P: Sub. Det. 1 Peak Elev=61.80' Storage=0.116 af Inflow=4.86 cfs 0.336 af
Outflow=3.84 cfs 0.251 af

Pond 61P: CB 8 Peak Elev=50.59' Inflow=0.12 cfs 0.008 af
12.0" Round Culvert n=0.013 L=28.0' S=0.0500 '/' Outflow=0.12 cfs 0.008 af

Pond 62P: CB 66 Peak Elev=60.85' Inflow=0.38 cfs 0.027 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=0.38 cfs 0.027 af

Pond 63P: CB 67 Peak Elev=60.77' Inflow=0.09 cfs 0.007 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0214 '/' Outflow=0.09 cfs 0.007 af

Pond 64P: DMH 47 Peak Elev=60.88' Inflow=1.50 cfs 0.105 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=1.50 cfs 0.105 af

Pond 65P: DMH 49 Peak Elev=59.19' Inflow=0.72 cfs 0.052 af
12.0" Round Culvert n=0.013 L=59.0' S=0.0119 '/' Outflow=0.72 cfs 0.052 af

Pond 66P: CB 68 Peak Elev=59.30' Inflow=0.45 cfs 0.032 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.45 cfs 0.032 af

Pond 67P: CB 69 Peak Elev=59.20' Inflow=0.27 cfs 0.021 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.27 cfs 0.021 af

Pond 68P: Sub. Inf. 5 Peak Elev=60.92' Storage=0.041 af Inflow=1.50 cfs 0.105 af
Discarded=0.07 cfs 0.054 af Primary=0.54 cfs 0.022 af Outflow=0.60 cfs 0.076 af

Pond 69P: CB 72 Peak Elev=61.95' Inflow=0.61 cfs 0.043 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0600 '/' Outflow=0.61 cfs 0.043 af

Pond 70P: CB 73 Peak Elev=61.85' Inflow=0.40 cfs 0.028 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0600 '/' Outflow=0.40 cfs 0.028 af

Pond 71P: DMH 54 Peak Elev=61.42' Inflow=1.01 cfs 0.070 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=1.01 cfs 0.070 af

Pond 72P: Sub. Inf. 7 Peak Elev=61.68' Storage=0.030 af Inflow=1.01 cfs 0.070 af
Discarded=0.06 cfs 0.046 af Primary=0.18 cfs 0.009 af Outflow=0.24 cfs 0.055 af

Pond 73P: CB 64 Peak Elev=61.55' Inflow=0.61 cfs 0.042 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=0.61 cfs 0.042 af

Pond 74P: CB 65 Peak Elev=61.46' Inflow=0.42 cfs 0.029 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0133 '/' Outflow=0.42 cfs 0.029 af

Pond 75P: DMH 46 Peak Elev=61.42' Inflow=1.03 cfs 0.071 af
12.0" Round Culvert n=0.013 L=118.0' S=0.0051 '/' Outflow=1.03 cfs 0.071 af

Pond 76P: CB 70 Peak Elev=58.59' Inflow=0.47 cfs 0.033 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=0.47 cfs 0.033 af

Pond 77P: CB 71 Peak Elev=58.49' Inflow=0.28 cfs 0.020 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=0.28 cfs 0.020 af

Pond 78P: DMH 50 Peak Elev=58.54' Inflow=1.46 cfs 0.105 af
18.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=1.46 cfs 0.105 af

Pond 79P: DMH 51 Peak Elev=58.34' Inflow=1.91 cfs 0.139 af
18.0" Round Culvert n=0.013 L=148.0' S=0.0047 '/' Outflow=1.91 cfs 0.139 af

Pond 80P: DMH 52 Peak Elev=57.54' Inflow=1.91 cfs 0.139 af
18.0" Round Culvert n=0.013 L=104.0' S=0.0052 '/' Outflow=1.91 cfs 0.139 af

Pond 81P: DMH 53 Peak Elev=56.89' Inflow=1.91 cfs 0.139 af
18.0" Round Culvert n=0.013 L=60.0' S=0.0195 '/' Outflow=1.91 cfs 0.139 af

Pond 82P: Constructed Wetland 2 Peak Elev=56.51' Storage=3,756 cf Inflow=2.37 cfs 0.171 af
Outflow=0.65 cfs 0.109 af

Pond 83P: CB 86 Peak Elev=58.38' Inflow=0.44 cfs 0.031 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0227 '/' Outflow=0.44 cfs 0.031 af

Pond 84P: CB 87 Peak Elev=58.40' Inflow=0.50 cfs 0.036 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0227 '/' Outflow=0.50 cfs 0.036 af

Pond 85P: DMH 65 Peak Elev=58.26' Inflow=0.95 cfs 0.067 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.95 cfs 0.067 af

Pond 86P: Sub. Inf. 6 Peak Elev=62.52' Storage=0.037 af Inflow=1.06 cfs 0.071 af
Discarded=0.07 cfs 0.047 af Primary=0.00 cfs 0.000 af Outflow=0.07 cfs 0.048 af

Pond 87P: CB 85 Peak Elev=62.32' Inflow=0.31 cfs 0.021 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.31 cfs 0.021 af

Pond 88P: CB 84 Peak Elev=62.22' Inflow=0.16 cfs 0.011 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.16 cfs 0.011 af

Pond 89P: CB 74 Peak Elev=64.71' Inflow=0.14 cfs 0.010 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.14 cfs 0.010 af

Pond 90P: CB 75 Peak Elev=64.80' Inflow=0.27 cfs 0.019 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.27 cfs 0.019 af

Pond 91P: DMH 55 Peak Elev=64.66' Inflow=0.41 cfs 0.029 af
12.0" Round Culvert n=0.013 L=108.0' S=0.0204 '/' Outflow=0.41 cfs 0.029 af

Pond 92P: DMH 63 Peak Elev=62.19' Inflow=0.47 cfs 0.033 af
12.0" Round Culvert n=0.013 L=120.0' S=0.0292 '/' Outflow=0.47 cfs 0.033 af

Pond 93P: DMH 62 Peak Elev=59.05' Inflow=2.57 cfs 0.178 af
18.0" Round Culvert n=0.013 L=84.0' S=0.0065 '/' Outflow=2.57 cfs 0.178 af

Pond 94P: CB 77 Peak Elev=63.08' Inflow=0.51 cfs 0.035 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.51 cfs 0.035 af

Pond 95P: CB 76 Peak Elev=63.00' Inflow=0.35 cfs 0.024 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.35 cfs 0.024 af

Pond 96P: DMH 56 Peak Elev=62.91' Inflow=2.88 cfs 0.201 af
18.0" Round Culvert n=0.013 L=134.0' S=0.0067 '/' Outflow=2.88 cfs 0.201 af

Pond 97P: Sub. Det. 2 Peak Elev=60.34' Storage=0.214 af Inflow=3.51 cfs 0.245 af
Outflow=0.04 cfs 0.031 af

Pond 98P: DMH 61 Peak Elev=60.56' Inflow=2.10 cfs 0.146 af
18.0" Round Culvert n=0.013 L=136.0' S=0.0110 '/' Outflow=2.10 cfs 0.146 af

Pond 99P: CB 81 Peak Elev=63.47' Inflow=0.62 cfs 0.043 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.62 cfs 0.043 af

Pond 100P: CB 80 Peak Elev=63.62' Inflow=0.99 cfs 0.069 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.99 cfs 0.069 af

Pond 101P: DMH 59 Peak Elev=63.45' Inflow=1.61 cfs 0.112 af
18.0" Round Culvert n=0.013 L=136.0' S=0.0051 '/' Outflow=1.61 cfs 0.112 af

Pond 102P: CB 93 Peak Elev=61.80' Inflow=0.44 cfs 0.031 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=0.44 cfs 0.031 af

Pond 103P: CB 92 Peak Elev=61.97' Inflow=0.81 cfs 0.057 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=0.81 cfs 0.057 af

Pond 104P: CB 83 Peak Elev=61.55' Inflow=0.80 cfs 0.055 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.80 cfs 0.055 af

Pond 105P: CB 82 Peak Elev=61.75' Inflow=1.30 cfs 0.091 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.30 cfs 0.091 af

Pond 106P: DMH 60 Peak Elev=61.56' Inflow=2.10 cfs 0.146 af
18.0" Round Culvert n=0.013 L=110.0' S=0.0082 '/' Outflow=2.10 cfs 0.146 af

Pond 107P: CB Peak Elev=60.42' Inflow=0.54 cfs 0.037 af
12.0" Round Culvert n=0.013 L=10.0' S=0.1000 '/' Outflow=0.54 cfs 0.037 af

Pond 108P: CB 88 Peak Elev=60.28' Inflow=0.25 cfs 0.018 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0909 '/' Outflow=0.25 cfs 0.018 af

Pond 109P: CB 79 Peak Elev=62.07' Inflow=1.06 cfs 0.073 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=1.06 cfs 0.073 af

Pond 110P: CB 78 Peak Elev=61.96' Inflow=0.92 cfs 0.063 af
15.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.92 cfs 0.063 af

Pond 111P: DMH 57 Peak Elev=62.13' Inflow=4.86 cfs 0.336 af
24.0" Round Culvert n=0.013 L=74.0' S=0.0054 '/' Outflow=4.86 cfs 0.336 af

Pond 112P: CB 45 Peak Elev=58.06' Inflow=0.60 cfs 0.040 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.60 cfs 0.040 af

Pond 113P: CB 95 Peak Elev=60.46' Inflow=0.57 cfs 0.042 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.57 cfs 0.042 af

Pond 114P: CB 94 Peak Elev=60.60' Inflow=0.90 cfs 0.065 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.90 cfs 0.065 af

Pond 115P: CB 91 Peak Elev=59.77' Inflow=0.86 cfs 0.060 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0833 '/' Outflow=0.86 cfs 0.060 af

Pond 116P: CB 90 Peak Elev=59.71' Inflow=0.70 cfs 0.050 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0714 '/' Outflow=0.70 cfs 0.050 af

Pond 117P: DMH 69 Peak Elev=60.16' Inflow=2.73 cfs 0.194 af
18.0" Round Culvert n=0.013 L=140.0' S=0.0050 '/' Outflow=2.73 cfs 0.194 af

Pond 118P: DMH 70 Peak Elev=60.58' Inflow=1.47 cfs 0.107 af
12.0" Round Culvert n=0.013 L=87.0' S=0.0051 '/' Outflow=1.47 cfs 0.107 af

Pond 119P: DMH 66 Peak Elev=59.52' Inflow=3.52 cfs 0.249 af
18.0" Round Culvert n=0.013 L=102.0' S=0.0050 '/' Outflow=3.52 cfs 0.249 af

Pond 120P: DMH 67 Peak Elev=58.96' Inflow=5.08 cfs 0.360 af
24.0" Round Culvert n=0.013 L=40.0' S=0.0213 '/' Outflow=5.08 cfs 0.360 af

Pond 122P: CB 46 Peak Elev=58.11' Inflow=0.69 cfs 0.048 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0063 '/' Outflow=0.69 cfs 0.048 af

Pond 123P: DMH 31 Peak Elev=57.97' Inflow=1.28 cfs 0.088 af
18.0" Round Culvert n=0.013 L=78.0' S=0.0100 '/' Outflow=1.28 cfs 0.088 af

Pond 124P: DMH 32 Peak Elev=57.15' Inflow=1.28 cfs 0.088 af
18.0" Round Culvert n=0.013 L=75.0' S=0.0249 '/' Outflow=1.28 cfs 0.088 af

Pond 125P: CB 36 Peak Elev=54.82' Inflow=0.37 cfs 0.025 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.37 cfs 0.025 af

Pond 126P: CB 37 Peak Elev=54.86' Inflow=0.46 cfs 0.031 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.46 cfs 0.031 af

Pond 127P: DMH 26 Peak Elev=54.78' Inflow=0.83 cfs 0.056 af
12.0" Round Culvert n=0.013 L=84.0' S=0.0173 '/' Outflow=0.83 cfs 0.056 af

Pond 128P: CB 30 Peak Elev=56.29' Inflow=0.44 cfs 0.029 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.44 cfs 0.029 af

Pond 129P: CB 34 Peak Elev=54.34' Inflow=0.62 cfs 0.042 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.62 cfs 0.042 af

Pond 130P: CB 32 Peak Elev=54.66' Inflow=1.14 cfs 0.077 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0256 '/' Outflow=1.14 cfs 0.077 af

Pond 131P: CB 35 Peak Elev=54.27' Inflow=0.46 cfs 0.031 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.46 cfs 0.031 af

Pond 132P: CB 33 Peak Elev=54.05' Inflow=0.33 cfs 0.024 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.33 cfs 0.024 af

Pond 133P: DMH 24 Peak Elev=54.43' Inflow=2.54 cfs 0.174 af
18.0" Round Culvert n=0.013 L=112.0' S=0.0050 '/' Outflow=2.54 cfs 0.174 af

Pond 134P: DMH 25 Peak Elev=54.40' Inflow=1.08 cfs 0.073 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0050 '/' Outflow=1.08 cfs 0.073 af

Pond 135P: Inf. Basin 3 Peak Elev=53.60' Storage=1,498 cf Inflow=3.06 cfs 0.209 af
Discarded=1.29 cfs 0.209 af Primary=0.00 cfs 0.000 af Outflow=1.29 cfs 0.209 af

Pond 136P: CB 38 Peak Elev=53.79' Inflow=0.25 cfs 0.017 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.25 cfs 0.017 af

Pond 137P: CB Peak Elev=53.91' Inflow=0.52 cfs 0.035 af
12.0" Round Culvert n=0.013 L=70.0' S=0.0071 '/' Outflow=0.52 cfs 0.035 af

Pond 138P: CB 39 Peak Elev=53.78' Inflow=0.25 cfs 0.017 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.25 cfs 0.017 af

Pond 139P: DMH 28 Peak Elev=53.72' Inflow=0.50 cfs 0.034 af
12.0" Round Culvert n=0.013 L=99.0' S=0.0051 '/' Outflow=0.50 cfs 0.034 af

Pond 140P: CB 31 Peak Elev=56.31' Inflow=0.45 cfs 0.030 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0053 '/' Outflow=0.45 cfs 0.030 af

Pond 141P: DMH 23 Peak Elev=56.25' Inflow=0.88 cfs 0.060 af
12.0" Round Culvert n=0.013 L=142.0' S=0.0116 '/' Outflow=0.88 cfs 0.060 af

Pond 142P: CB 40 Peak Elev=50.98' Inflow=0.57 cfs 0.039 af
12.0" Round Culvert n=0.013 L=7.0' S=0.0143 '/' Outflow=0.57 cfs 0.039 af

Pond 143P: CB 41 Peak Elev=51.08' Inflow=0.80 cfs 0.055 af
12.0" Round Culvert n=0.013 L=7.0' S=0.0143 '/' Outflow=0.80 cfs 0.055 af

Pond 144P: DMH 30 Peak Elev=51.08' Inflow=1.37 cfs 0.093 af
12.0" Round Culvert n=0.013 L=73.0' S=0.0051 '/' Outflow=1.37 cfs 0.093 af

Pond 145P: DMH 29 Peak Elev=50.46' Inflow=1.37 cfs 0.093 af
18.0" Round Culvert n=0.013 L=95.0' S=0.0091 '/' Outflow=1.37 cfs 0.093 af

Pond 146P: Inf. Basin 2 Peak Elev=49.47' Storage=1,074 cf Inflow=2.45 cfs 0.167 af
Discarded=1.08 cfs 0.167 af Primary=0.00 cfs 0.000 af Outflow=1.08 cfs 0.167 af

Pond 147P: CB 28 Peak Elev=54.41' Inflow=0.13 cfs 0.009 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=0.13 cfs 0.009 af

Pond 148P: CB 43 Peak Elev=52.36' Inflow=0.40 cfs 0.027 af
12.0" Round Culvert n=0.013 L=68.0' S=0.0441 '/' Outflow=0.40 cfs 0.027 af

Pond 149P: CB 29 Peak Elev=54.41' Inflow=0.14 cfs 0.010 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0079 '/' Outflow=0.14 cfs 0.010 af

Pond 150P: DMH 22 Peak Elev=54.59' Inflow=1.15 cfs 0.078 af
12.0" Round Culvert n=0.013 L=50.0' S=0.0144 '/' Outflow=1.15 cfs 0.078 af

Pond 151P: CB 22 Peak Elev=52.62' Inflow=0.29 cfs 0.019 af
12.0" Round Culvert n=0.013 L=28.0' S=0.0054 '/' Outflow=0.29 cfs 0.019 af

Pond 152P: CB 23 Peak Elev=52.62' Inflow=0.31 cfs 0.021 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0079 '/' Outflow=0.31 cfs 0.021 af

Pond 153P: DMH 17 Peak Elev=52.99' Inflow=2.92 cfs 0.198 af
18.0" Round Culvert n=0.013 L=94.0' S=0.0053 '/' Outflow=2.92 cfs 0.198 af

Pond 154P: CB 18 Peak Elev=53.61' Inflow=0.39 cfs 0.026 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.39 cfs 0.026 af

Pond 155P: CB 27 Peak Elev=54.97' Inflow=0.40 cfs 0.027 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.40 cfs 0.027 af

Pond 156P: CB 26 Peak Elev=54.90' Inflow=0.28 cfs 0.020 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.28 cfs 0.020 af

Pond 157P: DMH 21 Peak Elev=54.87' Inflow=0.67 cfs 0.046 af
12.0" Round Culvert n=0.013 L=86.0' S=0.0105 '/' Outflow=0.67 cfs 0.046 af

Pond 158P: CB 24 Peak Elev=53.85' Inflow=0.19 cfs 0.013 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.19 cfs 0.013 af

Pond 159P: CB 25 Peak Elev=53.92' Inflow=0.30 cfs 0.020 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.30 cfs 0.020 af

Pond 160P: DMH 20 Peak Elev=54.10' Inflow=1.17 cfs 0.079 af
12.0" Round Culvert n=0.013 L=33.0' S=0.0052 '/' Outflow=1.17 cfs 0.079 af

Pond 161P: DMH 19 Peak Elev=53.93' Inflow=2.32 cfs 0.158 af
18.0" Round Culvert n=0.013 L=100.0' S=0.0098 '/' Outflow=2.32 cfs 0.158 af

Pond 162P: CB 15 Peak Elev=51.43' Inflow=0.48 cfs 0.033 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0143 '/' Outflow=0.48 cfs 0.033 af

Pond 163P: CB 14 Peak Elev=51.43' Inflow=0.39 cfs 0.026 af
12.0" Round Culvert n=0.013 L=22.0' S=0.0050 '/' Outflow=0.39 cfs 0.026 af

Pond 165P: CB 19 Peak Elev=53.56' Inflow=0.29 cfs 0.020 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.29 cfs 0.020 af

Pond 166P: DMH 13 Peak Elev=52.66' Inflow=0.68 cfs 0.046 af
12.0" Round Culvert n=0.013 L=92.0' S=0.0050 '/' Outflow=0.68 cfs 0.046 af

Pond 167P: CB 11 Peak Elev=51.09' Inflow=0.29 cfs 0.020 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0105 '/' Outflow=0.29 cfs 0.020 af

Pond 168P: CB 10 Peak Elev=50.88' Inflow=0.03 cfs 0.005 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0182 '/' Outflow=0.03 cfs 0.005 af

Pond 169P: DMH 12 Peak Elev=52.09' Inflow=0.68 cfs 0.046 af
12.0" Round Culvert n=0.013 L=107.0' S=0.0050 '/' Outflow=0.68 cfs 0.046 af

Pond 170P: CB 9 Peak Elev=50.68' Inflow=0.26 cfs 0.018 af
12.0" Round Culvert n=0.013 L=21.0' S=0.0667 '/' Outflow=0.26 cfs 0.018 af

Pond 171P: DMH 6 Peak Elev=49.53' Inflow=1.96 cfs 0.138 af
18.0" Round Culvert n=0.013 L=130.0' S=0.0073 '/' Outflow=1.96 cfs 0.138 af

Pond 172P: CB 16 Peak Elev=52.36' Inflow=0.60 cfs 0.040 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.60 cfs 0.040 af

Pond 173P: CB 17 Peak Elev=52.16' Inflow=0.21 cfs 0.014 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.21 cfs 0.014 af

Pond 174P: DMH 11 Peak Elev=51.59' Inflow=1.49 cfs 0.101 af
18.0" Round Culvert n=0.013 L=22.0' S=0.0118 '/' Outflow=1.49 cfs 0.101 af

Pond 175P: DMH 5 Peak Elev=50.33' Inflow=1.57 cfs 0.111 af
12.0" Round Culvert n=0.013 L=103.0' S=0.0050 '/' Outflow=1.57 cfs 0.111 af

Pond 176P: CB 6 Peak Elev=50.07' Inflow=0.20 cfs 0.014 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0133 '/' Outflow=0.20 cfs 0.014 af

Pond 177P: CB 13 Peak Elev=51.63' Inflow=0.42 cfs 0.029 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.42 cfs 0.029 af

Pond 178P: CB 12 Peak Elev=51.49' Inflow=0.18 cfs 0.012 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.18 cfs 0.012 af

Pond 179P: DMH 8 Peak Elev=51.52' Inflow=0.60 cfs 0.041 af
12.0" Round Culvert n=0.013 L=70.0' S=0.0050 '/' Outflow=0.60 cfs 0.041 af

Pond 180P: DMH 9 Peak Elev=51.34' Inflow=0.87 cfs 0.060 af
18.0" Round Culvert n=0.013 L=49.0' S=0.0051 '/' Outflow=0.87 cfs 0.060 af

Pond 181P: DMH 7 Peak Elev=51.16' Inflow=1.18 cfs 0.084 af
12.0" Round Culvert n=0.013 L=174.0' S=0.0050 '/' Outflow=1.18 cfs 0.084 af

Pond 182P: CB 7 Peak Elev=50.06' Inflow=0.19 cfs 0.013 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=0.19 cfs 0.013 af

Pond 185P: DMH 4 Peak Elev=48.52' Inflow=2.65 cfs 0.185 af
24.0" Round Culvert n=0.013 L=36.0' S=0.0208 '/' Outflow=2.65 cfs 0.185 af

Pond 186P: Constructed Wetland 1 Peak Elev=46.72' Storage=1,143 cf Inflow=0.74 cfs 0.053 af
Primary=0.11 cfs 0.030 af Secondary=0.00 cfs 0.000 af Outflow=0.11 cfs 0.030 af

Pond 187P: Constructed Wetland 3 Peak Elev=56.97' Storage=5,800 cf Inflow=3.84 cfs 0.251 af
Outflow=0.52 cfs 0.123 af

Pond 188P: CB 3 Peak Elev=48.20' Inflow=0.13 cfs 0.009 af
12.0" Round Culvert n=0.013 L=30.0' S=0.0167 '/' Outflow=0.13 cfs 0.009 af

Pond 189P: CB 4 Peak Elev=48.37' Inflow=0.44 cfs 0.030 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0263 '/' Outflow=0.44 cfs 0.030 af

Pond 190P: DMH 3 Peak Elev=47.83' Inflow=0.57 cfs 0.039 af
12.0" Round Culvert n=0.013 L=32.0' S=0.0334 '/' Outflow=0.57 cfs 0.039 af

Pond 191P: CB 42 Peak Elev=50.97' Inflow=0.67 cfs 0.046 af
12.0" Round Culvert n=0.013 L=194.0' S=0.0077 '/' Outflow=0.67 cfs 0.046 af

Pond 192P: Sub. Inf. 8 Peak Elev=50.36' Storage=0.000 af Inflow=0.28 cfs 0.019 af
Outflow=0.28 cfs 0.019 af

Pond 193P: CB 1 Peak Elev=46.90' Inflow=0.01 cfs 0.002 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0052 '/' Outflow=0.01 cfs 0.002 af

Pond 194P: CB 2 Peak Elev=47.05' Inflow=0.17 cfs 0.011 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.17 cfs 0.011 af

Pond 195P: Constructed Wetland 4 Peak Elev=56.26' Storage=7,011 cf Inflow=2.26 cfs 0.226 af
Outflow=0.34 cfs 0.100 af

Pond 196P: CB 5 Peak Elev=48.51' Inflow=0.69 cfs 0.047 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0059 '/' Outflow=0.69 cfs 0.047 af

Pond 197P: Inf. Basin 1 Peak Elev=46.75' Storage=1,226 cf Inflow=2.65 cfs 0.215 af
Discarded=1.13 cfs 0.214 af Primary=0.00 cfs 0.000 af Outflow=1.13 cfs 0.214 af

Pond 198P: Sub. Inf. 2 Peak Elev=51.18' Storage=0.007 af Inflow=2.92 cfs 0.198 af
Discarded=2.27 cfs 0.198 af Primary=0.00 cfs 0.000 af Outflow=2.27 cfs 0.198 af

Pond 200P: DMH 1 Peak Elev=46.90' Inflow=0.17 cfs 0.014 af
12.0" Round Culvert n=0.013 L=65.0' S=0.0051 '/' Outflow=0.17 cfs 0.014 af

Pond 201P: Sub. Inf. 3 Peak Elev=52.24' Storage=0.007 af Inflow=1.67 cfs 0.117 af
Discarded=1.08 cfs 0.117 af Primary=0.00 cfs 0.000 af Outflow=1.08 cfs 0.117 af

Pond 202P: DMH 14 Peak Elev=52.65' Inflow=0.00 cfs 0.000 af
18.0" Round Culvert n=0.013 L=89.0' S=0.0055 '/' Outflow=0.00 cfs 0.000 af

Pond 204P: DMH 18 Peak Elev=52.42' Inflow=2.92 cfs 0.198 af
18.0" Round Culvert n=0.013 L=5.0' S=-0.0900 '/' Outflow=2.92 cfs 0.198 af

Pond 205P: DMH 27 Peak Elev=53.47' Inflow=1.33 cfs 0.090 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0063 '/' Outflow=1.33 cfs 0.090 af

Pond 206P: DMH 34 Peak Elev=55.19' Inflow=1.79 cfs 0.124 af
18.0" Round Culvert n=0.013 L=5.0' S=-0.1800 '/' Outflow=1.79 cfs 0.124 af

Pond 207P: DMH 48 Peak Elev=60.70' Inflow=1.50 cfs 0.105 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=1.50 cfs 0.105 af

Pond 208P: DMH 58 Peak Elev=61.78' Inflow=4.86 cfs 0.336 af
24.0" Round Culvert n=0.013 L=5.0' S=0.0100 '/' Outflow=4.86 cfs 0.336 af

Pond 209P: DMH 64 Peak Elev=58.56' Inflow=2.57 cfs 0.178 af
18.0" Round Culvert n=0.013 L=5.0' S=0.0100 '/' Outflow=2.57 cfs 0.178 af

Pond 210P: DMH 68 Peak Elev=58.96' Inflow=5.08 cfs 0.360 af
24.0" Round Culvert n=0.013 L=11.0' S=0.0727 '/' Outflow=5.08 cfs 0.360 af

Pond 211P: Sub. Inf. 1B Peak Elev=50.20' Storage=0.005 af Inflow=2.09 cfs 0.142 af
Discarded=1.55 cfs 0.142 af Primary=0.00 cfs 0.000 af Outflow=1.55 cfs 0.142 af

Pond 212P: Sub. Inf. 1A Peak Elev=47.52' Storage=0.000 af Inflow=0.29 cfs 0.020 af
Discarded=0.29 cfs 0.020 af Primary=0.00 cfs 0.000 af Outflow=0.29 cfs 0.020 af

Pond 213P: DMH 2 Peak Elev=46.80' Inflow=0.74 cfs 0.053 af
12.0" Round Culvert n=0.013 L=54.0' S=0.0052 '/' Outflow=0.74 cfs 0.053 af

Pond 214P: DMH 4A Peak Elev=48.37' Inflow=0.29 cfs 0.020 af
18.0" Round Culvert n=0.013 L=3.0' S=0.0333 '/' Outflow=0.29 cfs 0.020 af

Pond 215P: CB 5A Peak Elev=48.70' Inflow=0.29 cfs 0.020 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0154 '/' Outflow=0.29 cfs 0.020 af

Pond 216P: CB 8A Peak Elev=49.63' Inflow=0.00 cfs 0.000 af
12.0" Round Culvert n=0.013 L=63.0' S=0.0100 '/' Outflow=0.00 cfs 0.000 af

Pond 217P: DMH 8A Peak Elev=51.41' Inflow=2.09 cfs 0.142 af
18.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=2.09 cfs 0.142 af

Pond 218P: CB A Peak Elev=52.16' Inflow=0.28 cfs 0.019 af
12.0" Round Culvert n=0.013 L=105.0' S=0.0050 '/' Outflow=0.28 cfs 0.019 af

Pond 219P: DMH A Peak Elev=51.57' Inflow=0.28 cfs 0.019 af
12.0" Round Culvert n=0.013 L=60.0' S=0.0057 '/' Outflow=0.28 cfs 0.019 af

Pond 220P: DMH B Peak Elev=51.20' Inflow=0.28 cfs 0.019 af
12.0" Round Culvert n=0.013 L=3.0' S=0.0167 '/' Outflow=0.28 cfs 0.019 af

Pond 221P: Inf. Basin 6 Peak Elev=57.51' Storage=5,086 cf Inflow=5.08 cfs 0.360 af
Discarded=0.15 cfs 0.099 af Primary=2.26 cfs 0.226 af Outflow=2.41 cfs 0.325 af

Link 59L: DP 1 Inflow=0.04 cfs 0.013 af
Primary=0.04 cfs 0.013 af

Link 60L: DP 2 Inflow=1.46 cfs 0.143 af
Primary=1.46 cfs 0.143 af

Link 188L: DP 3 Inflow=1.25 cfs 0.414 af
Primary=1.25 cfs 0.414 af

Link 203L: 3A Inflow=0.00 cfs 0.000 af
Primary=0.00 cfs 0.000 af

Total Runoff Area = 39.842 ac Runoff Volume = 3.333 af Average Runoff Depth = 1.00"
58.01% Pervious = 23.114 ac 41.99% Impervious = 16.728 ac

Summary for Subcatchment 1S: P1A

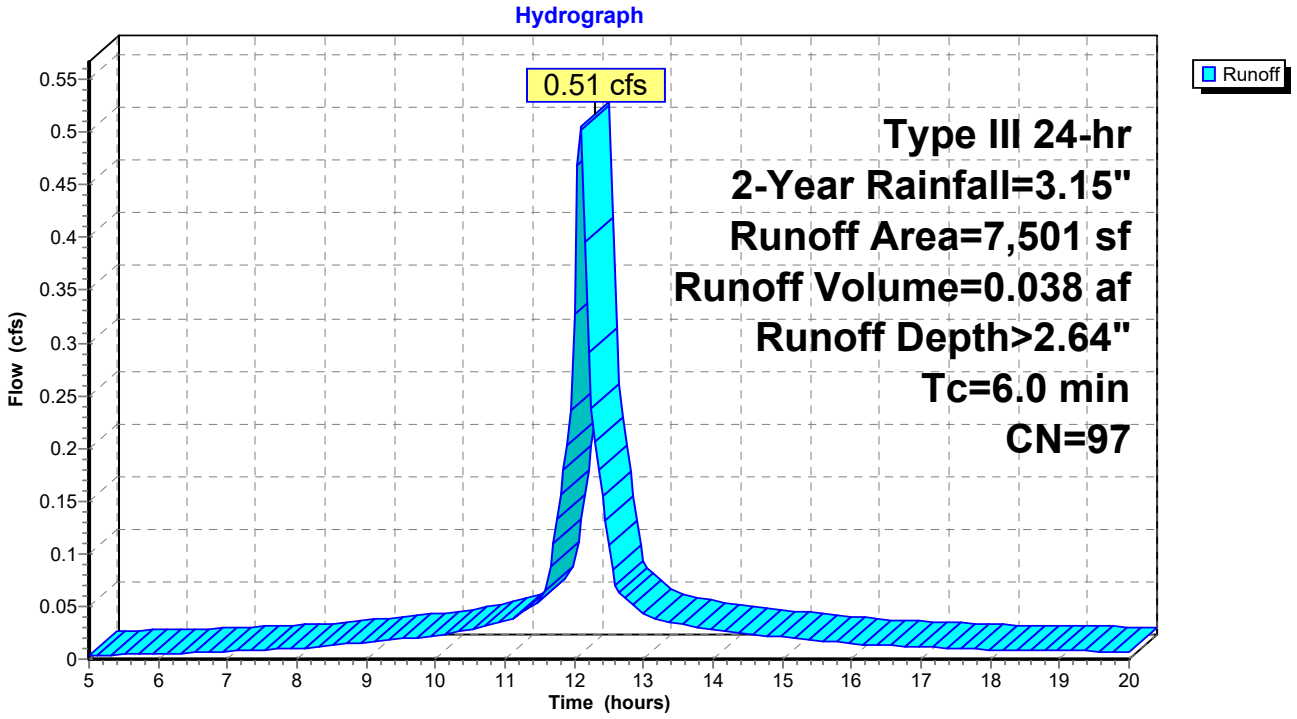
Runoff = 0.51 cfs @ 12.09 hrs, Volume= 0.038 af, Depth> 2.64"
Routed to Pond 16P : CB 58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
254	74	>75% Grass cover, Good, HSG C
1,384	98	Unconnected roofs, HSG C
5,863	98	Paved parking, HSG C
7,501	97	Weighted Average
254		3.39% Pervious Area
7,247		96.61% Impervious Area
1,384		19.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 1S: P1A



Summary for Subcatchment 2S: P1B

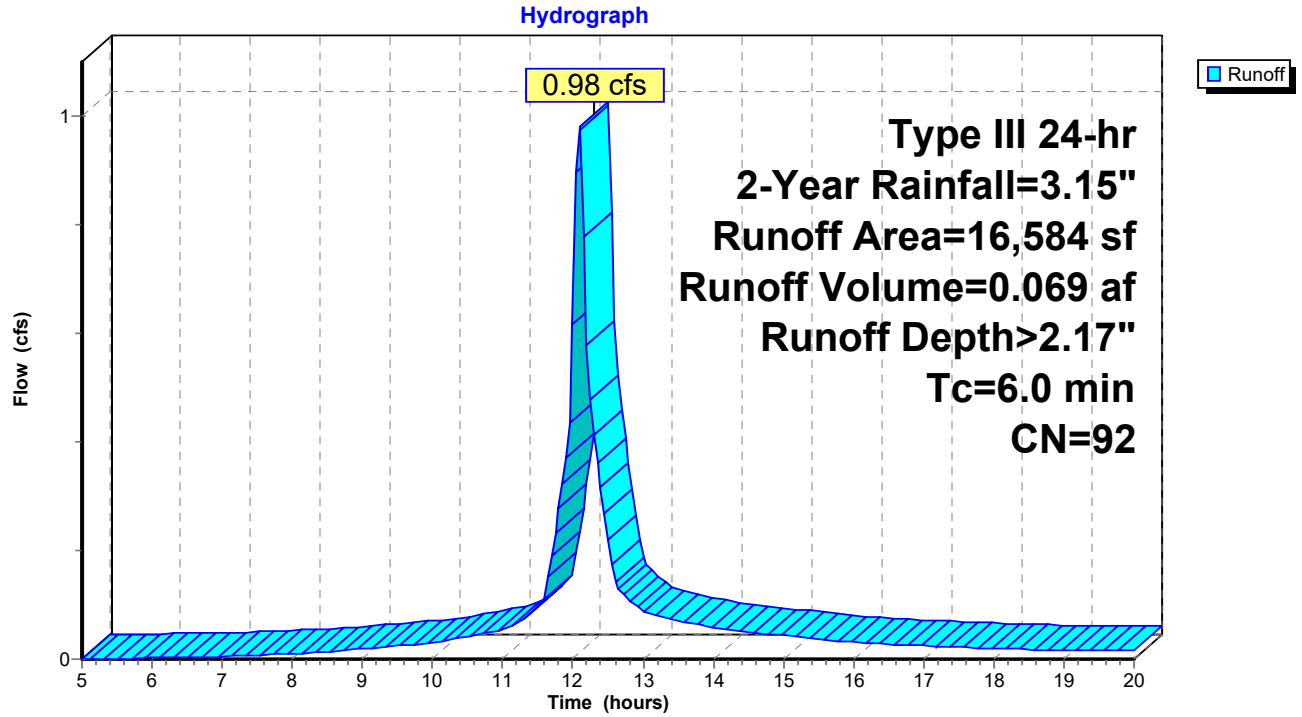
Runoff = 0.98 cfs @ 12.09 hrs, Volume= 0.069 af, Depth> 2.17"
Routed to Pond 17P : CB 59

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
5,226	98	Unconnected roofs, HSG C
4,280	74	>75% Grass cover, Good, HSG C
7,078	98	Paved parking, HSG C
16,584	92	Weighted Average
4,280		25.81% Pervious Area
12,304		74.19% Impervious Area
5,226		42.47% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 2S: P1B



Summary for Subcatchment 3S: P1C

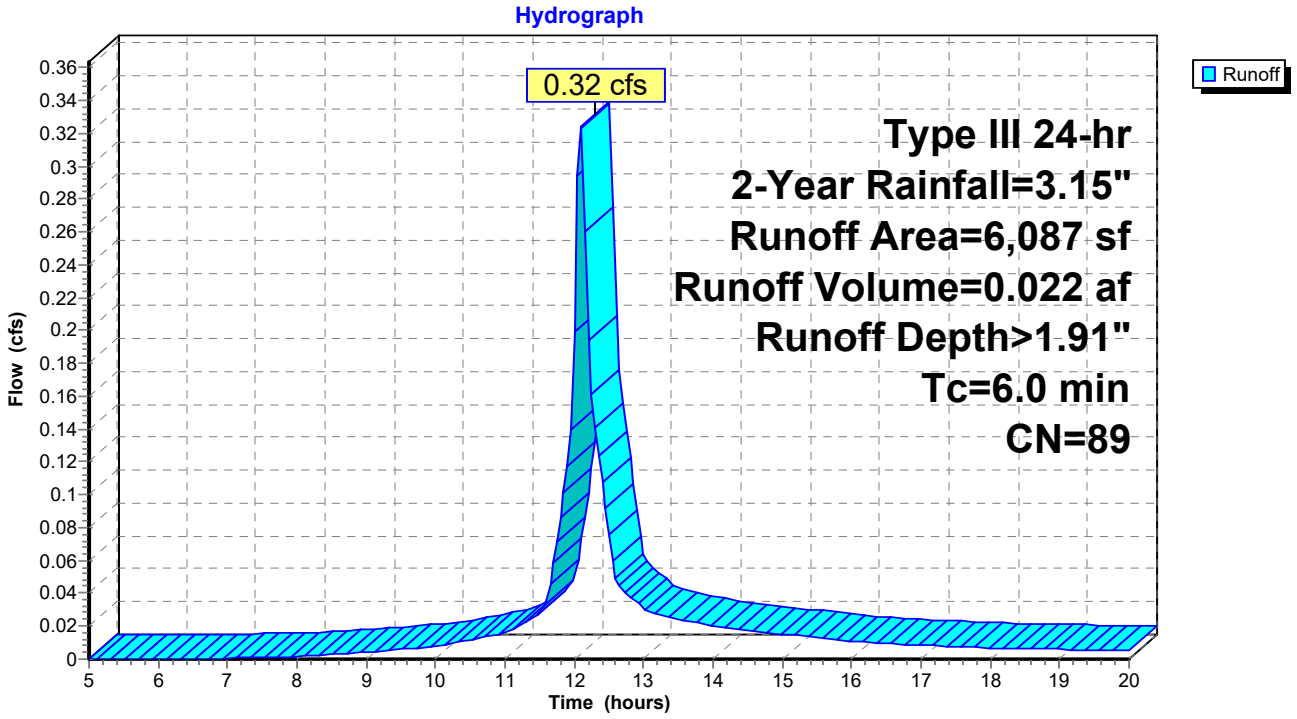
Runoff = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af, Depth> 1.91"
Routed to Pond 18P : CB 63

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,616	98	Unconnected roofs, HSG C
2,173	74	>75% Grass cover, Good, HSG C
2,298	98	Paved parking, HSG C
6,087	89	Weighted Average
2,173		35.70% Pervious Area
3,914		64.30% Impervious Area
1,616		41.29% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 3S: P1C



Summary for Subcatchment 4S: P1D

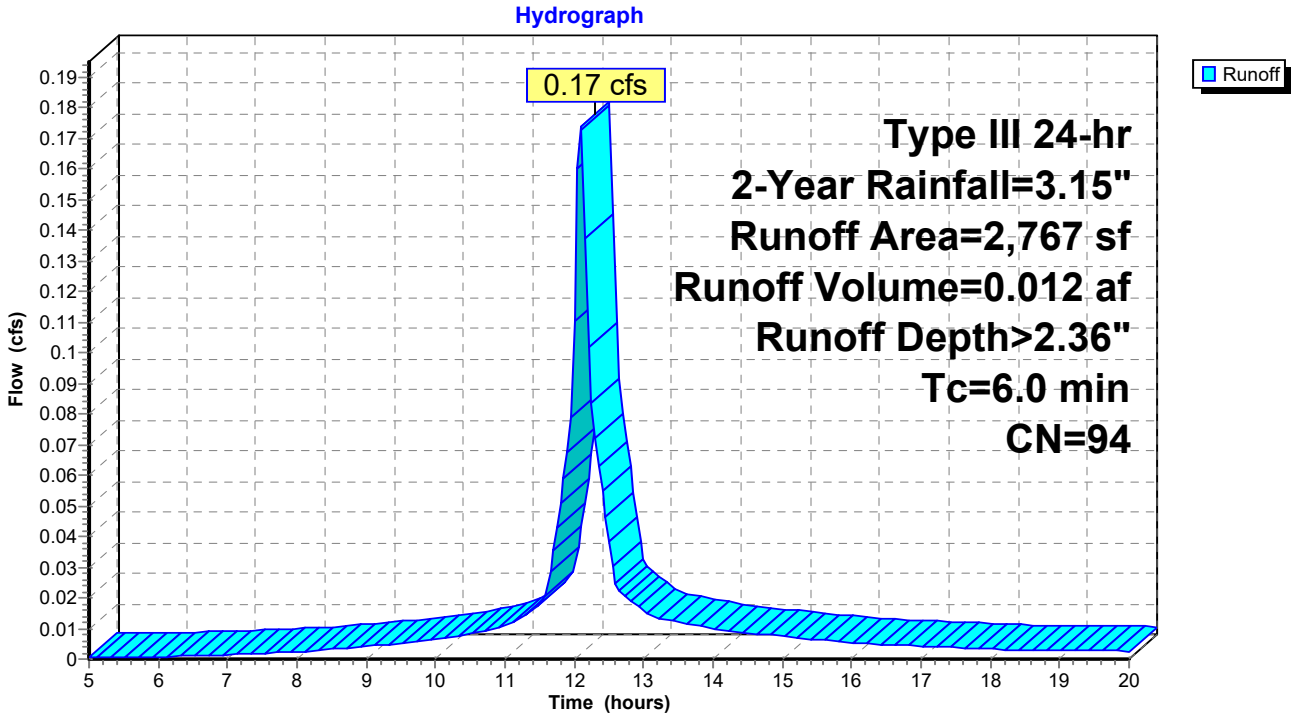
Runoff = 0.17 cfs @ 12.09 hrs, Volume= 0.012 af, Depth> 2.36"
Routed to Pond 19P : CB 62

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
512	74	>75% Grass cover, Good, HSG C
2,255	98	Paved parking, HSG C
2,767	94	Weighted Average
512		18.50% Pervious Area
2,255		81.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 4S: P1D



Summary for Subcatchment 5S: P1E

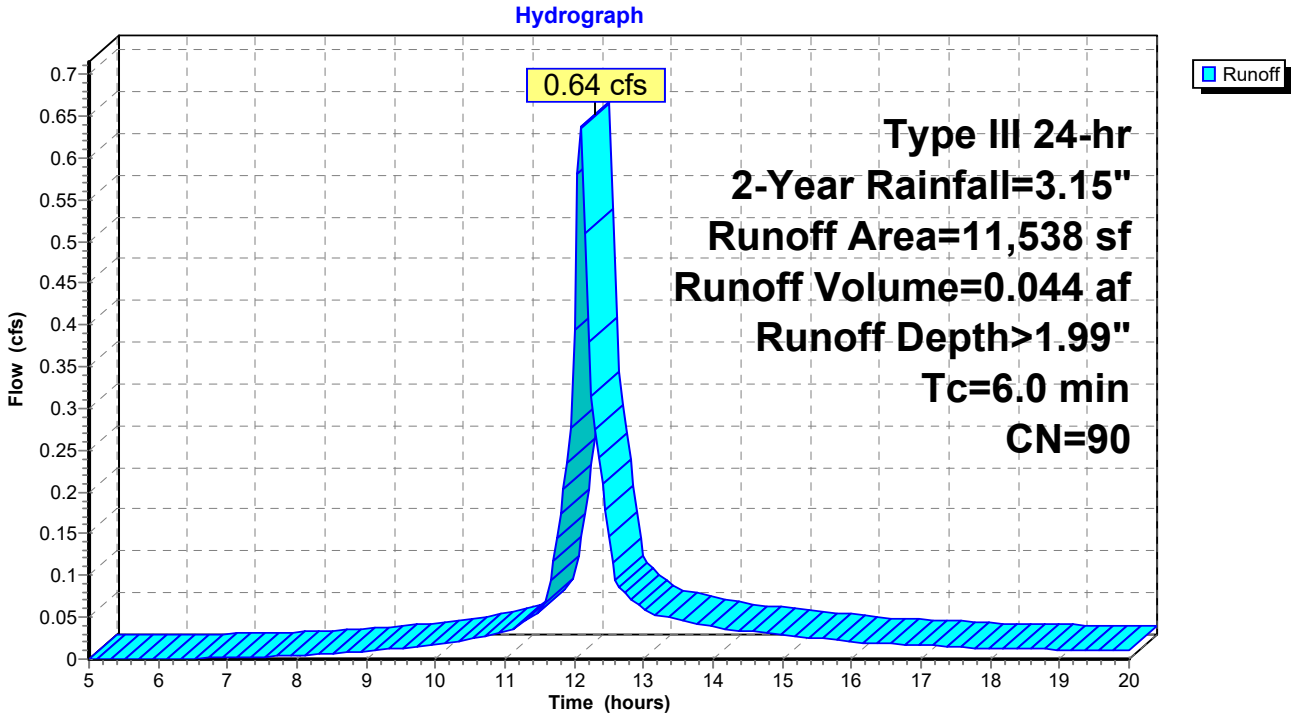
Runoff = 0.64 cfs @ 12.09 hrs, Volume= 0.044 af, Depth> 1.99"
Routed to Pond 26P : CB 61

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,900	74	>75% Grass cover, Good, HSG C
3,976	98	Unconnected roofs, HSG C
3,662	98	Paved parking, HSG C
11,538	90	Weighted Average
3,900		33.80% Pervious Area
7,638		66.20% Impervious Area
3,976		52.06% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 5S: P1E



Summary for Subcatchment 6S: P1F

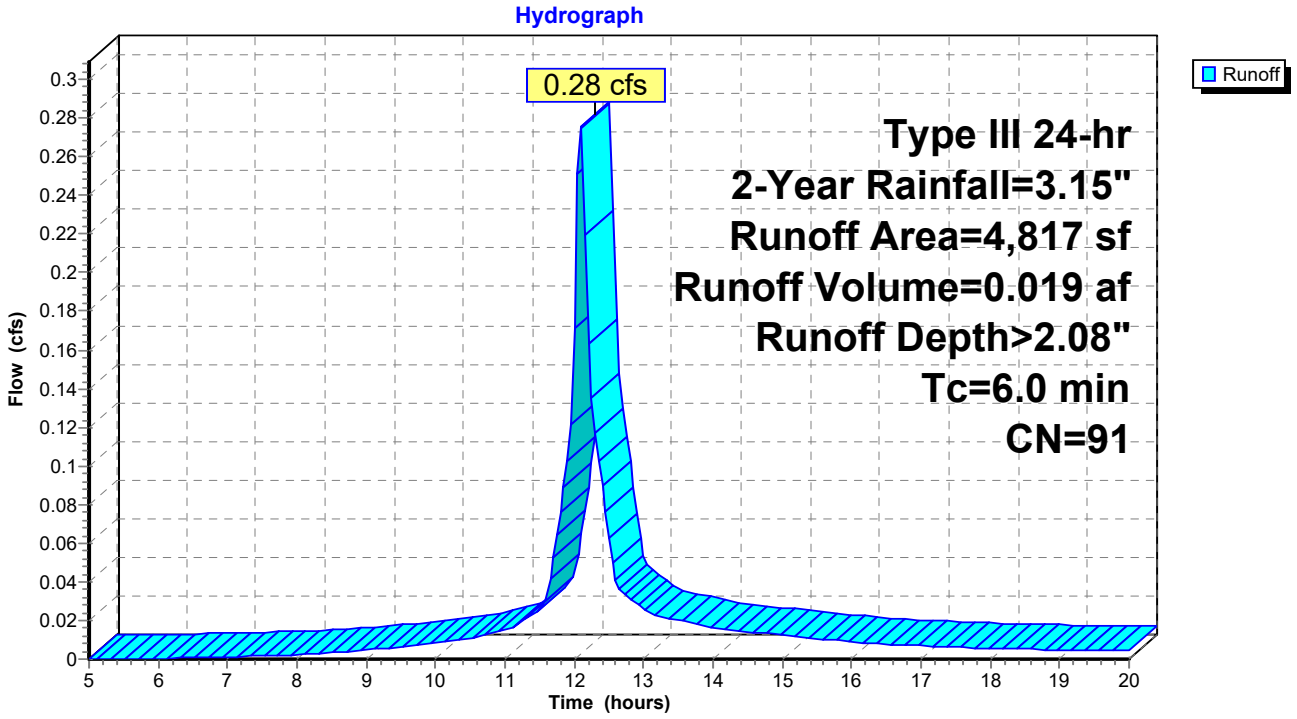
Runoff = 0.28 cfs @ 12.09 hrs, Volume= 0.019 af, Depth> 2.08"
Routed to Pond 27P : CB 60

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,378	74	>75% Grass cover, Good, HSG C
429	98	Unconnected roofs, HSG C
3,010	98	Paved parking, HSG C
4,817	91	Weighted Average
1,378		28.61% Pervious Area
3,439		71.39% Impervious Area
429		12.47% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 6S: P1F



Summary for Subcatchment 7S: P1G

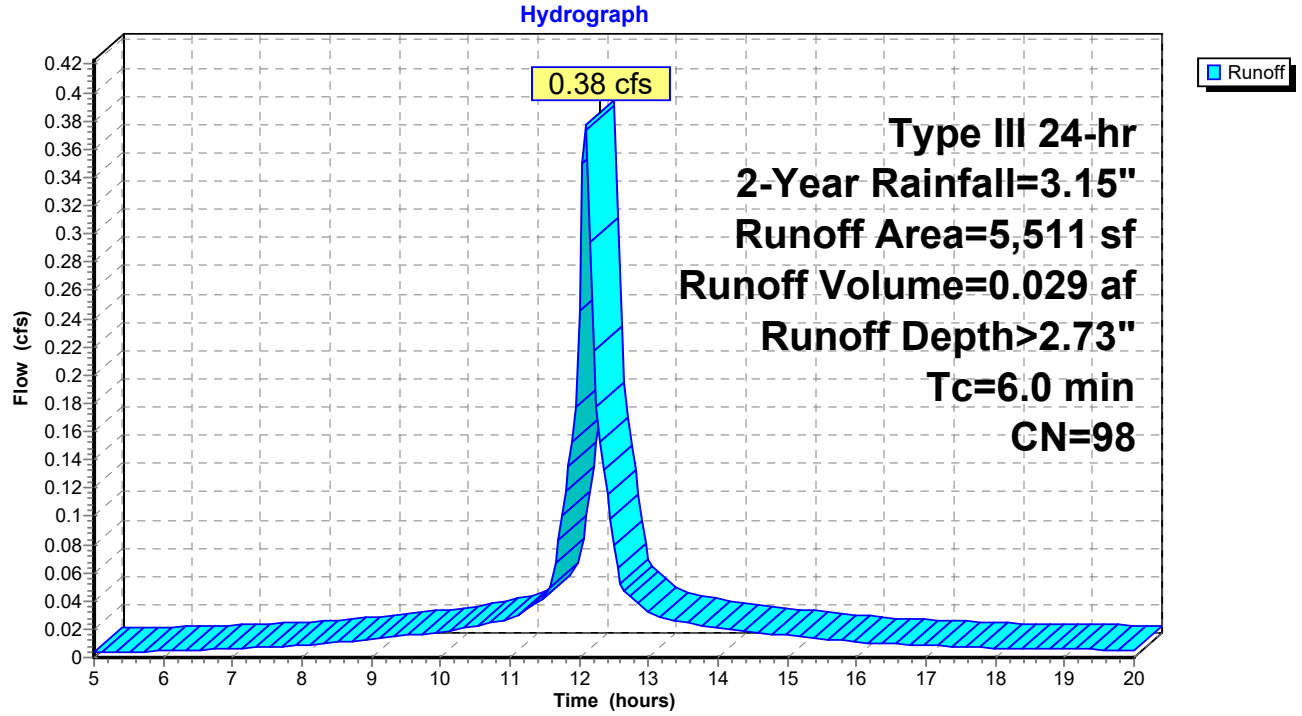
Runoff = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af, Depth> 2.73"
Routed to Pond 22P : CB 56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
5,511	98	Paved parking, HSG C
5,511		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 7S: P1G



Summary for Subcatchment 8S: P1H

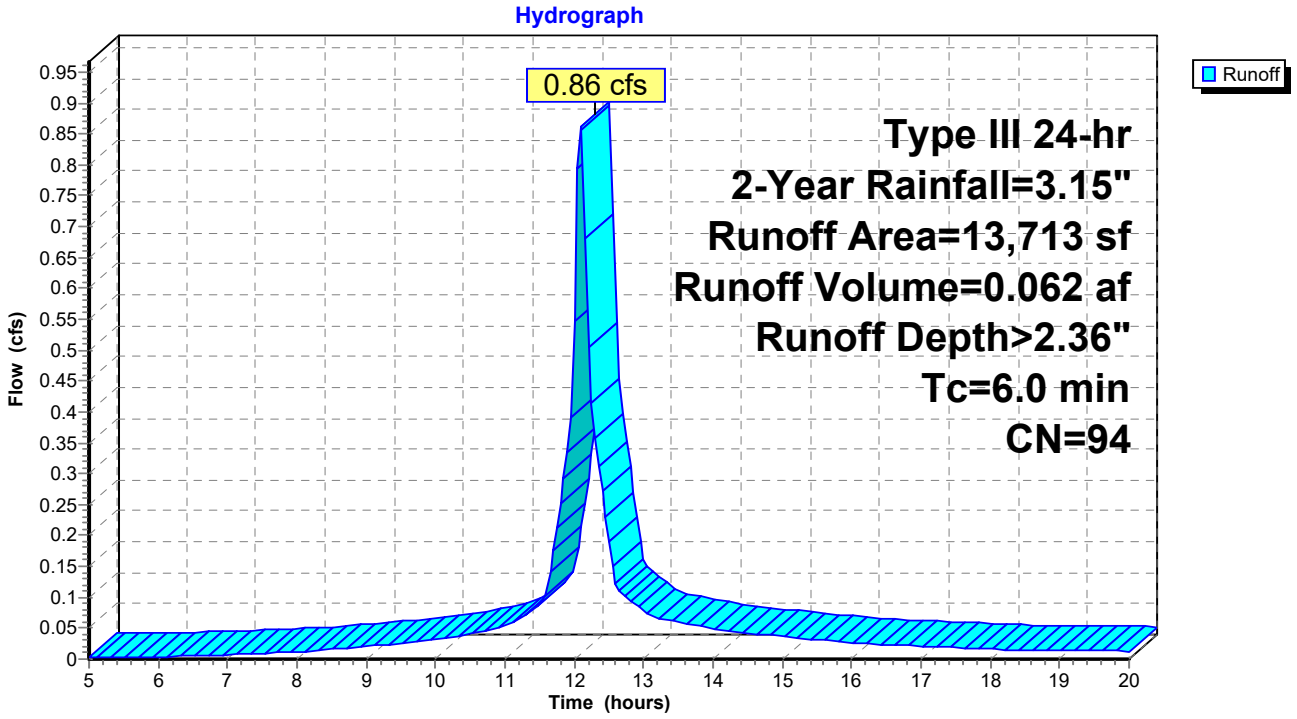
Runoff = 0.86 cfs @ 12.09 hrs, Volume= 0.062 af, Depth> 2.36"
Routed to Pond 23P : CB 57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,554	74	>75% Grass cover, Good, HSG C
5,795	98	Unconnected roofs, HSG C
5,364	98	Paved parking, HSG C
13,713	94	Weighted Average
2,554		18.62% Pervious Area
11,159		81.38% Impervious Area
5,795		51.93% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 8S: P1H



Summary for Subcatchment 9S: P1I

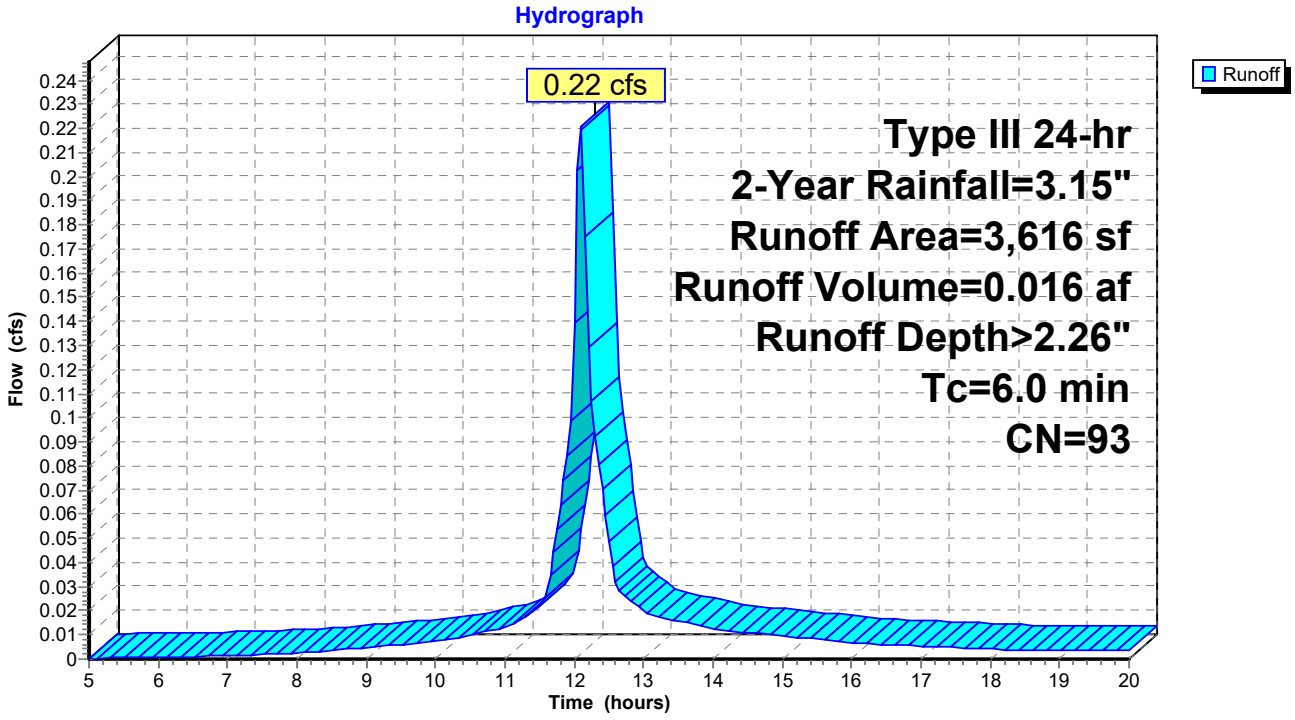
Runoff = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af, Depth> 2.26"
Routed to Pond 30P : CB 55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
780	74	>75% Grass cover, Good, HSG C
2,836	98	Paved parking, HSG C
3,616	93	Weighted Average
780		21.57% Pervious Area
2,836		78.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 9S: P1I



Summary for Subcatchment 10S: P1J

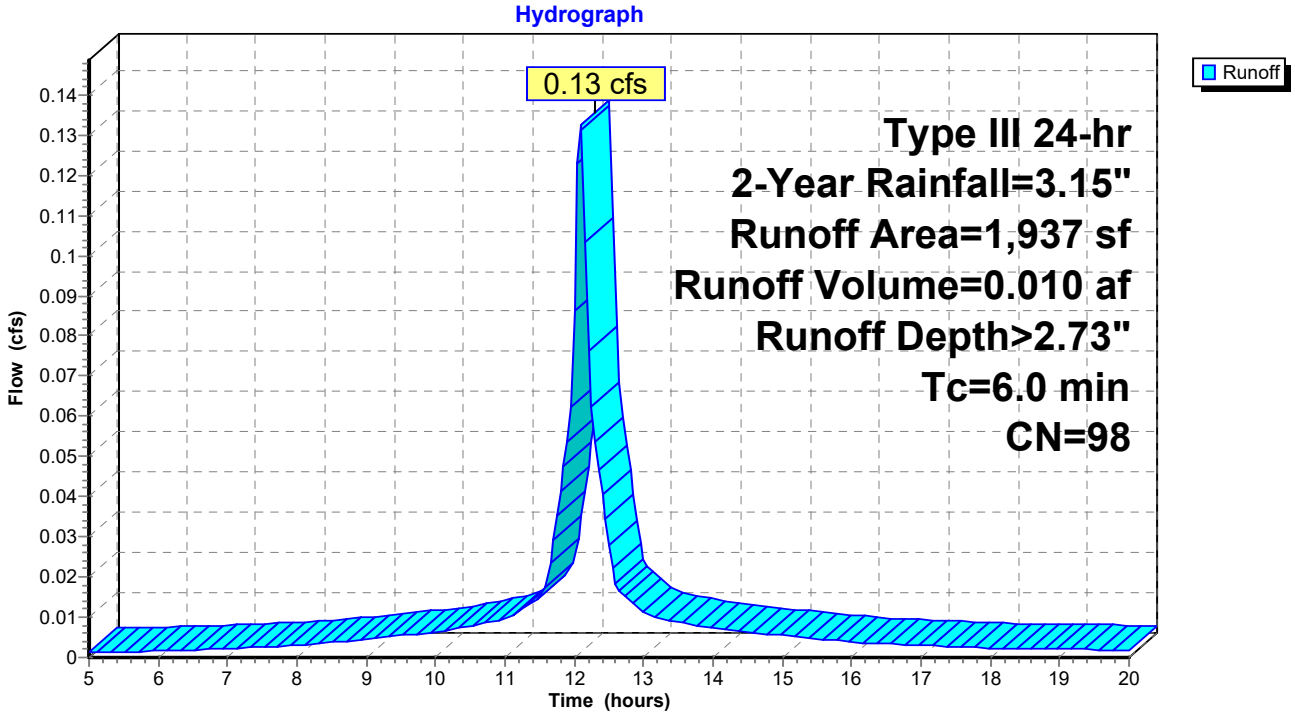
Runoff = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af, Depth> 2.73"
Routed to Pond 33P : CB 53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,937	98	Paved parking, HSG C
1,937		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 10S: P1J



Summary for Subcatchment 11S: P1K

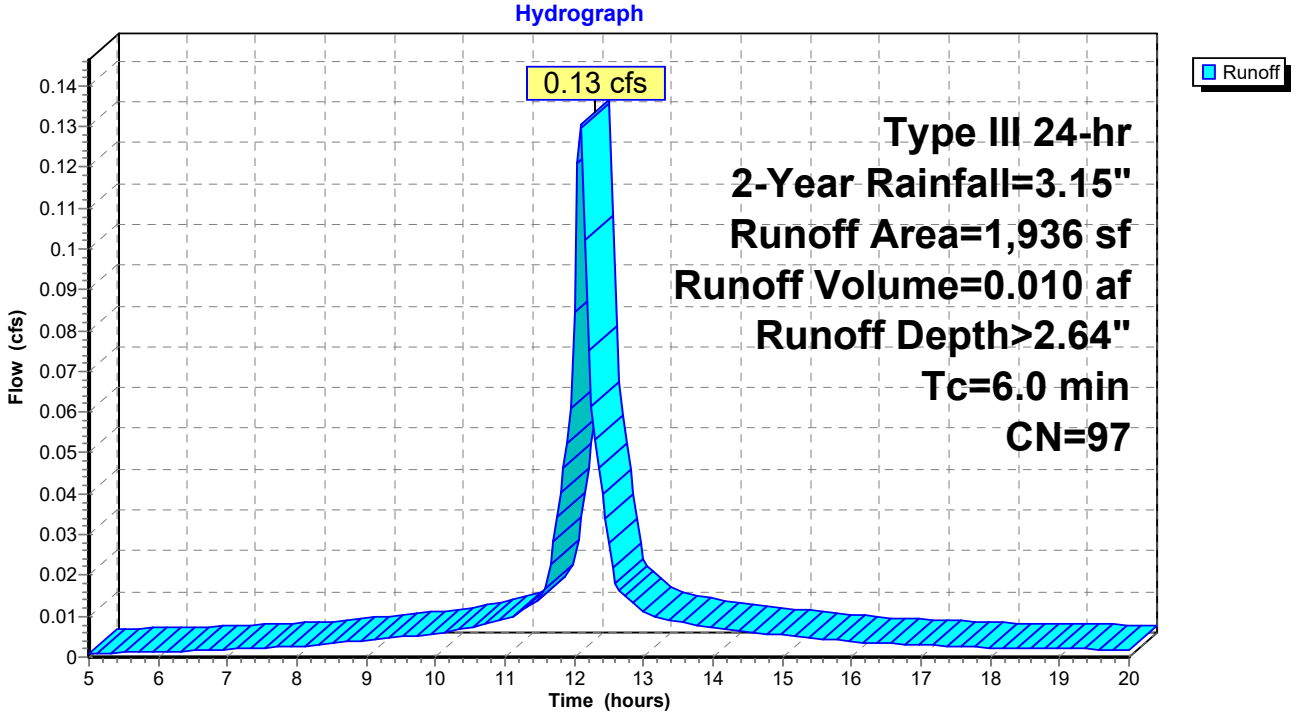
Runoff = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af, Depth> 2.64"
Routed to Pond 31P : CB 51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
61	74	>75% Grass cover, Good, HSG C
354	98	Unconnected roofs, HSG C
1,521	98	Paved parking, HSG C
1,936	97	Weighted Average
61		3.15% Pervious Area
1,875		96.85% Impervious Area
354		18.88% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 11S: P1K



Summary for Subcatchment 12S: P1L

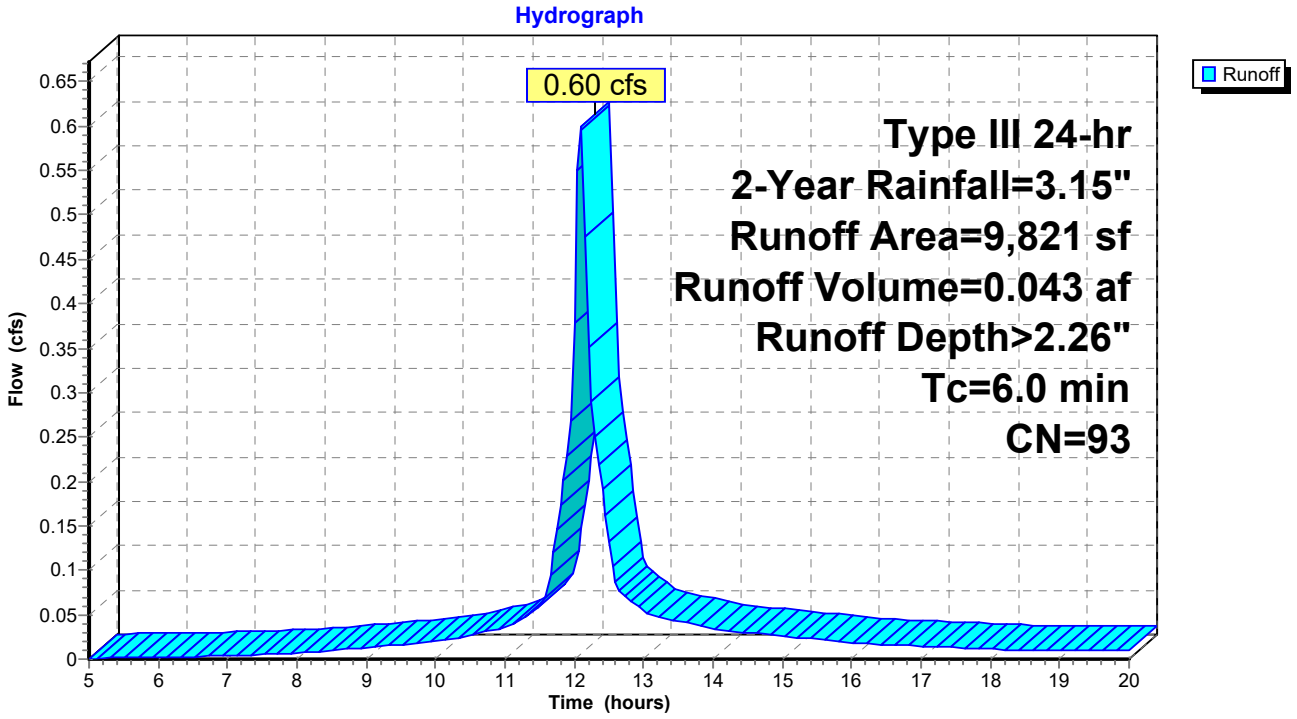
Runoff = 0.60 cfs @ 12.09 hrs, Volume= 0.043 af, Depth> 2.26"
Routed to Pond 32P : CB 52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,077	74	>75% Grass cover, Good, HSG C
2,390	98	Unconnected roofs, HSG C
5,354	98	Paved parking, HSG C
9,821	93	Weighted Average
2,077		21.15% Pervious Area
7,744		78.85% Impervious Area
2,390		30.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 12S: P1L



Summary for Subcatchment 13S: P1M

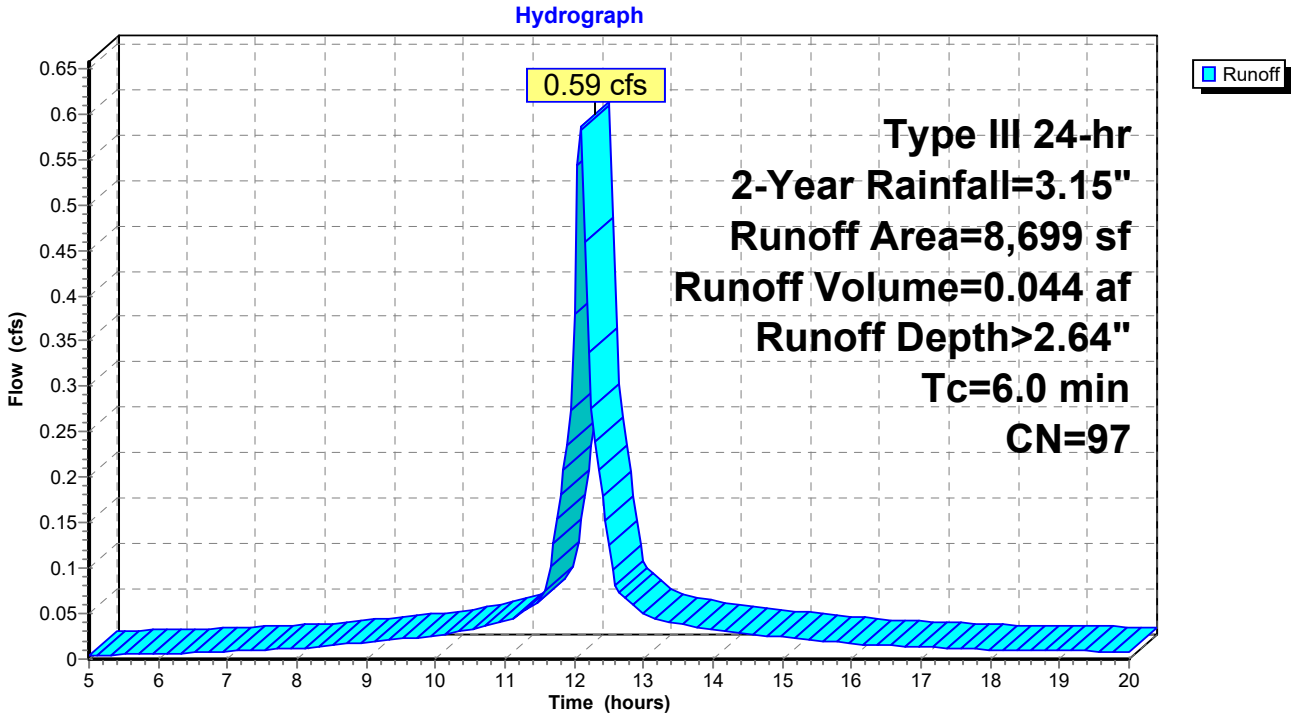
Runoff = 0.59 cfs @ 12.09 hrs, Volume= 0.044 af, Depth> 2.64"
Routed to Pond 36P : CB 54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
476	74	>75% Grass cover, Good, HSG C
569	98	Unconnected roofs, HSG C
7,654	98	Paved parking, HSG C
8,699	97	Weighted Average
476		5.47% Pervious Area
8,223		94.53% Impervious Area
569		6.92% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 13S: P1M



Summary for Subcatchment 14S: P1N

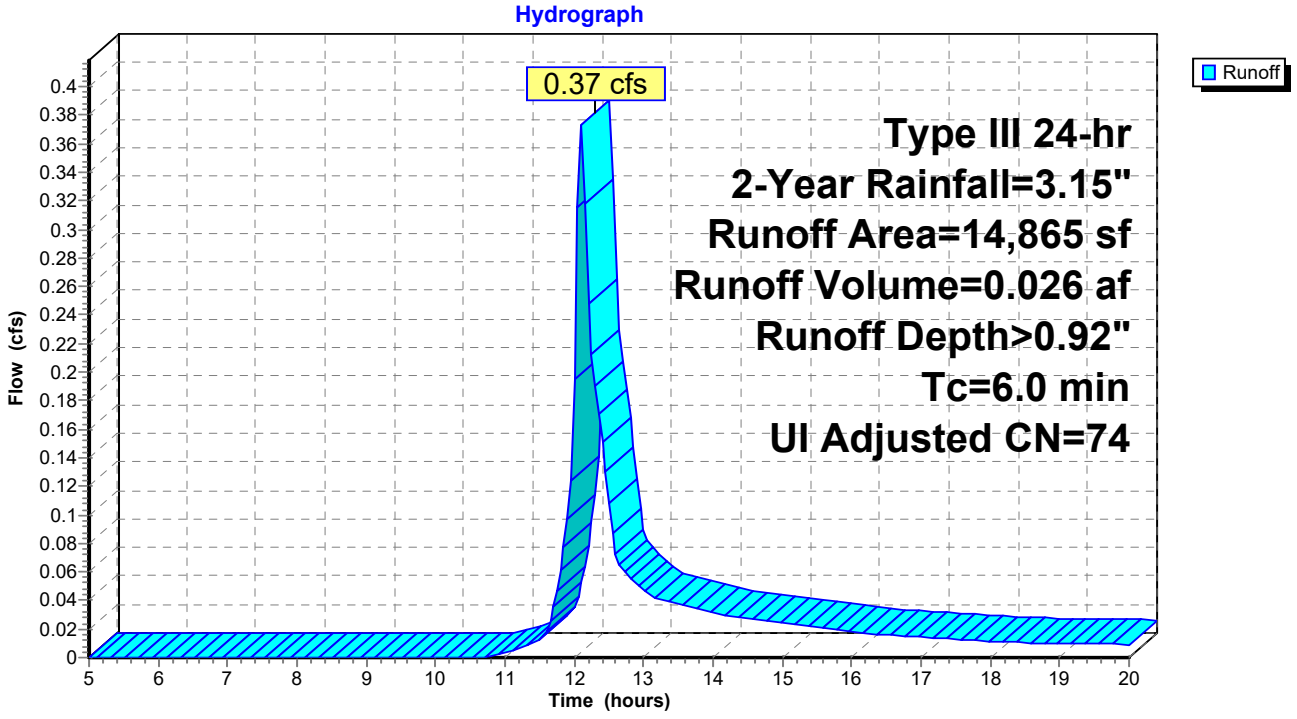
Runoff = 0.37 cfs @ 12.10 hrs, Volume= 0.026 af, Depth> 0.92"
Routed to Pond 15P : Inf. Basin 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
586	98		Unconnected roofs, HSG C
14,279	74		>75% Grass cover, Good, HSG C
14,865	75	74	Weighted Average, UI Adjusted
14,279			96.06% Pervious Area
586			3.94% Impervious Area
586			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 14S: P1N



Summary for Subcatchment 39S: P1P

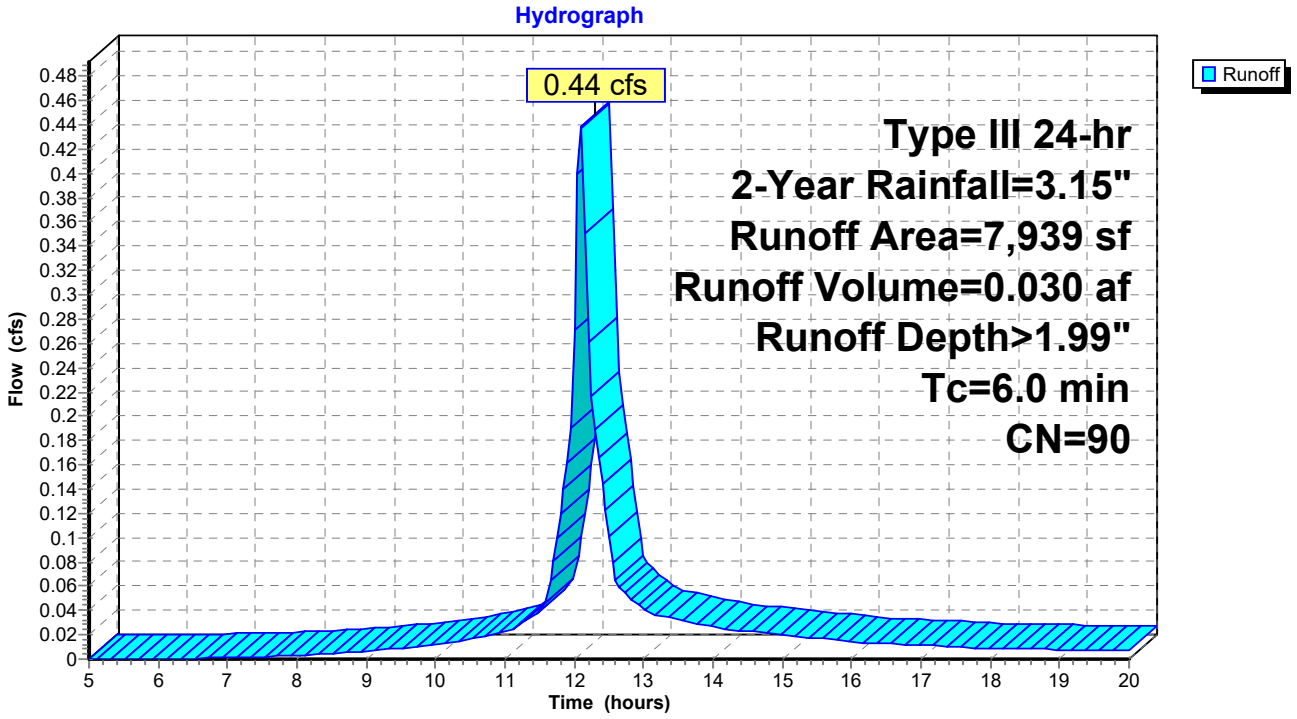
Runoff = 0.44 cfs @ 12.09 hrs, Volume= 0.030 af, Depth> 1.99"
Routed to Pond 42P : CB 50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,926	98	Unconnected roofs, HSG C
2,623	74	>75% Grass cover, Good, HSG C
3,390	98	Paved parking, HSG C
7,939	90	Weighted Average
2,623		33.04% Pervious Area
5,316		66.96% Impervious Area
1,926		36.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 39S: P1P



Summary for Subcatchment 40S: P1O

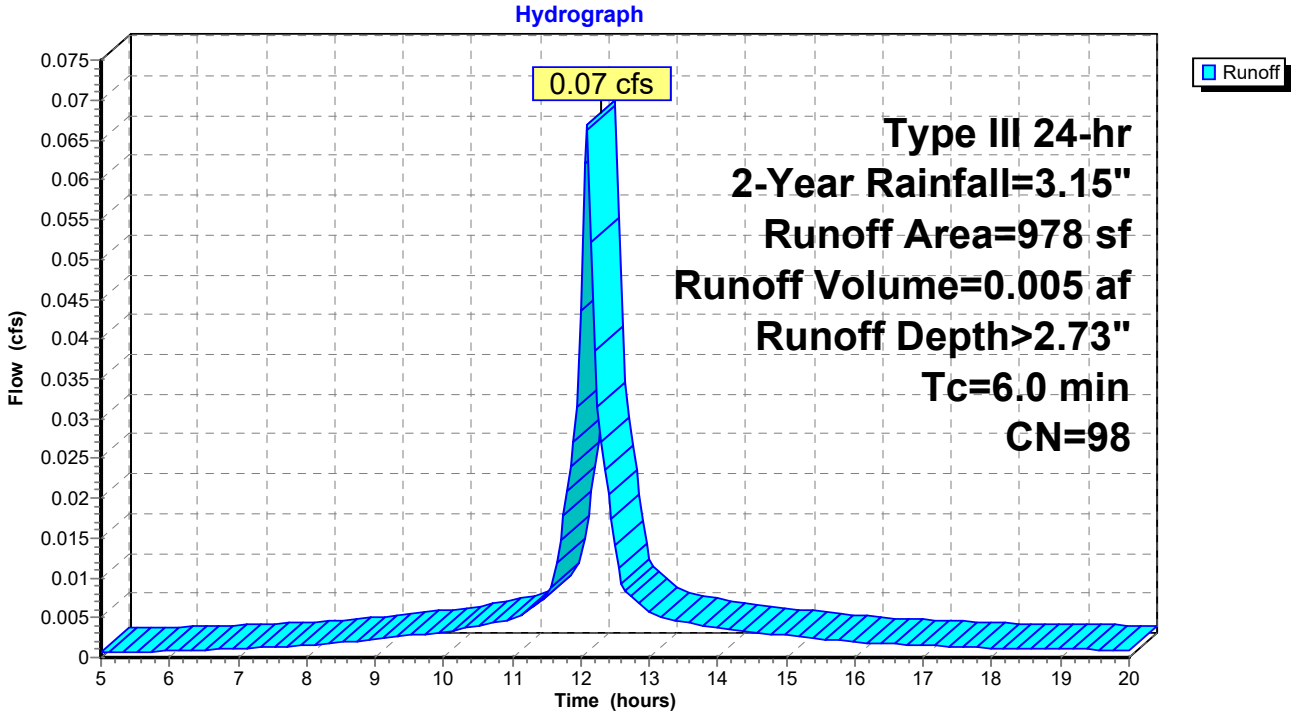
Runoff = 0.07 cfs @ 12.09 hrs, Volume= 0.005 af, Depth> 2.73"
Routed to Pond 41P : CB 49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
978	98	Paved parking, HSG C
978		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 40S: P1O



Summary for Subcatchment 44S: P1R

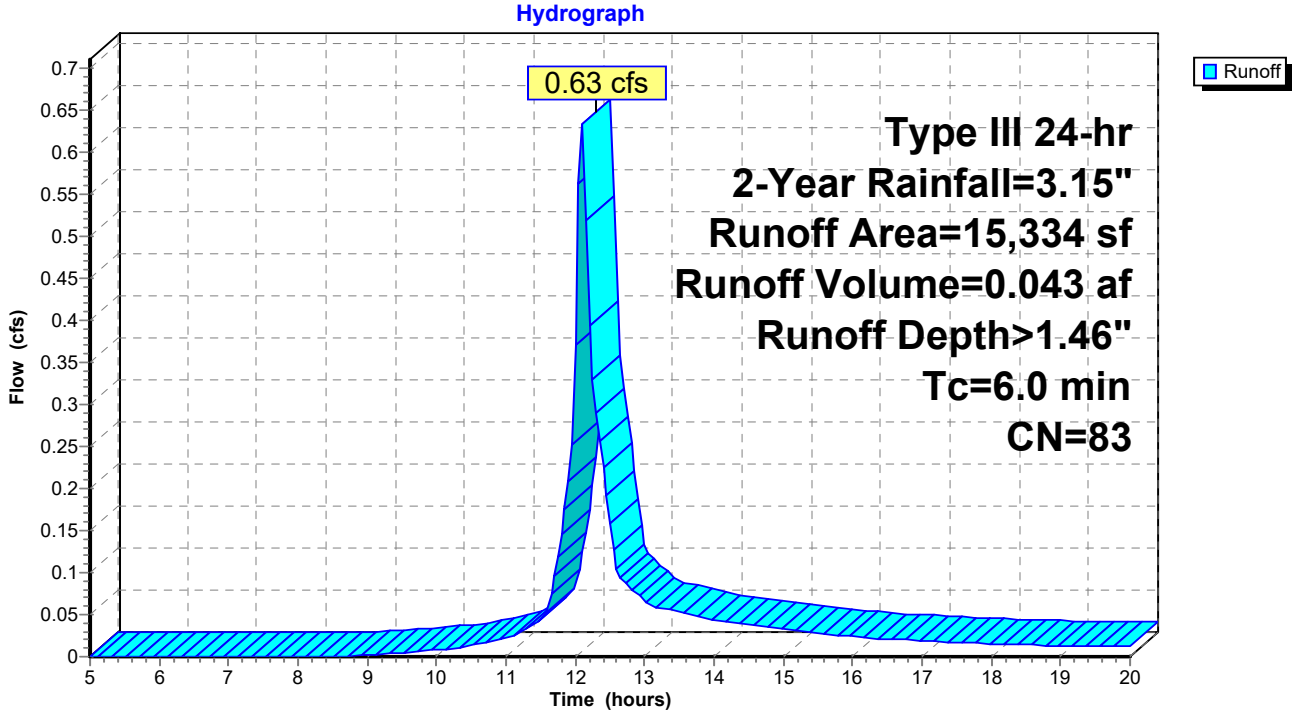
Runoff = 0.63 cfs @ 12.09 hrs, Volume= 0.043 af, Depth> 1.46"
Routed to Pond 46P : CB 48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
704	98	Unconnected pavement, HSG C
1,196	74	>75% Grass cover, Good, HSG C
955	98	Paved parking, HSG C
2,884	98	Unconnected roofs, HSG A
3,316	39	>75% Grass cover, Good, HSG A
6,279	98	Paved parking, HSG A
15,334	83	Weighted Average
4,512		29.42% Pervious Area
10,822		70.58% Impervious Area
3,588		33.15% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 44S: P1R



Summary for Subcatchment 45S: P1Q

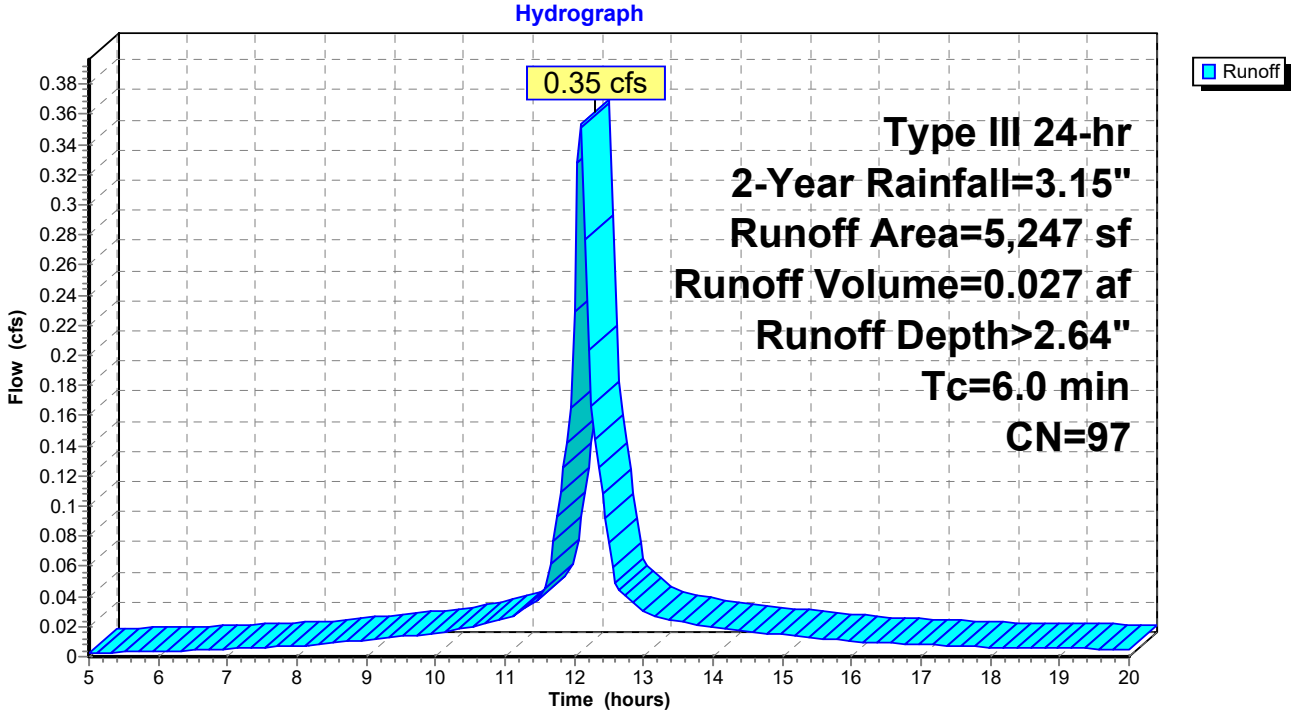
Runoff = 0.35 cfs @ 12.09 hrs, Volume= 0.027 af, Depth> 2.64"
Routed to Pond 47P : CB 47

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
49	74	>75% Grass cover, Good, HSG C
49	98	Unconnected roofs, HSG C
1,120	98	Paved parking, HSG C
80	39	>75% Grass cover, Good, HSG A
442	98	Unconnected roofs, HSG A
3,507	98	Paved parking, HSG A
5,247	97	Weighted Average
129		2.46% Pervious Area
5,118		97.54% Impervious Area
491		9.59% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 45S: P1Q



Summary for Subcatchment 50S: P1S

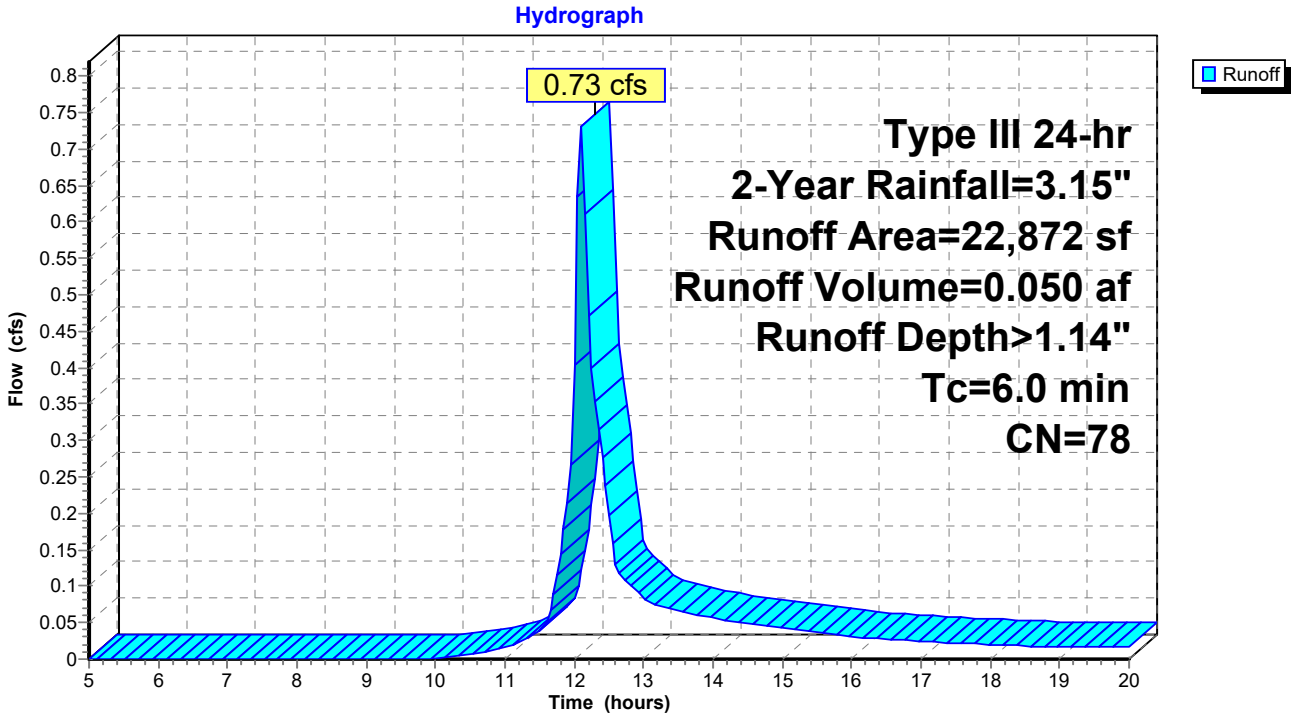
Runoff = 0.73 cfs @ 12.10 hrs, Volume= 0.050 af, Depth> 1.14"
Routed to Pond 53P : CB 21

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
6,743	98	Unconnected roofs, HSG A
7,903	39	>75% Grass cover, Good, HSG A
8,226	98	Paved parking, HSG A
22,872	78	Weighted Average
7,903		34.55% Pervious Area
14,969		65.45% Impervious Area
6,743		45.05% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 50S: P1S



Summary for Subcatchment 51S: P1T

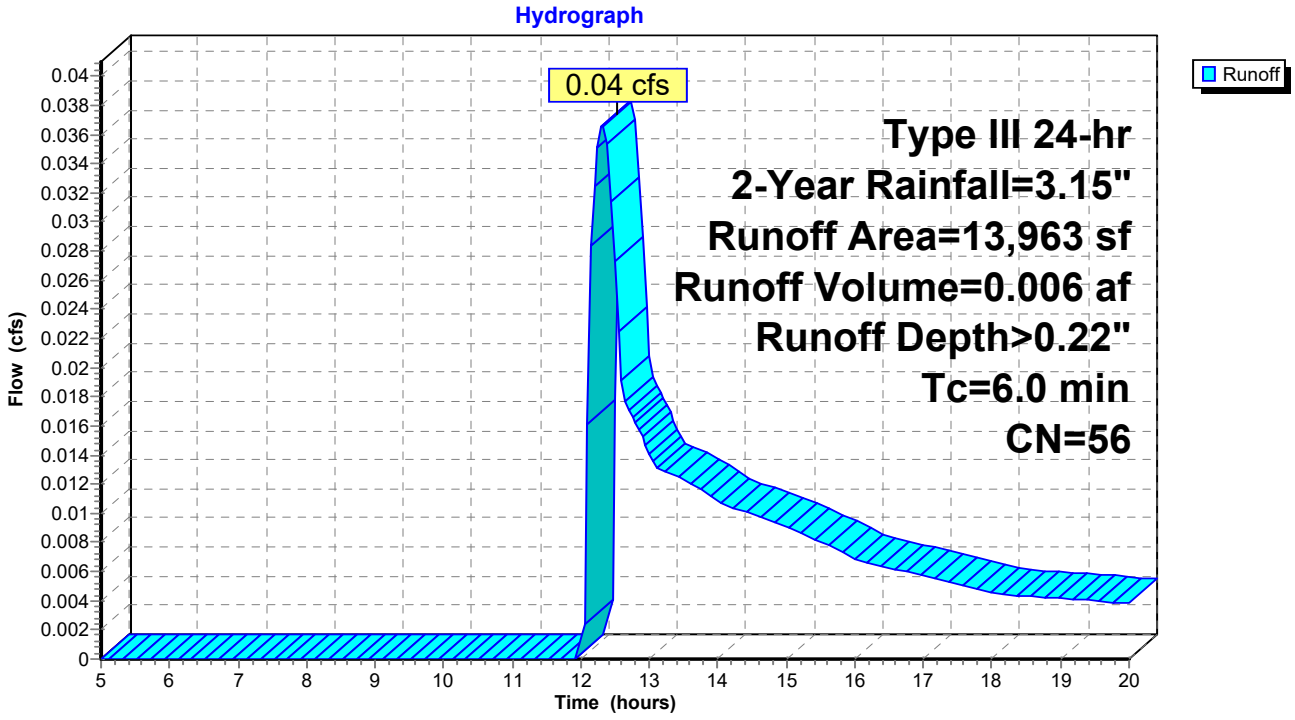
Runoff = 0.04 cfs @ 12.32 hrs, Volume= 0.006 af, Depth> 0.22"
Routed to Pond 52P : CB 20

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
9,878	39	>75% Grass cover, Good, HSG A
4,085	98	Paved parking, HSG A
13,963	56	Weighted Average
9,878		70.74% Pervious Area
4,085		29.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 51S: P1T



Summary for Subcatchment 57S: (new Subcat)

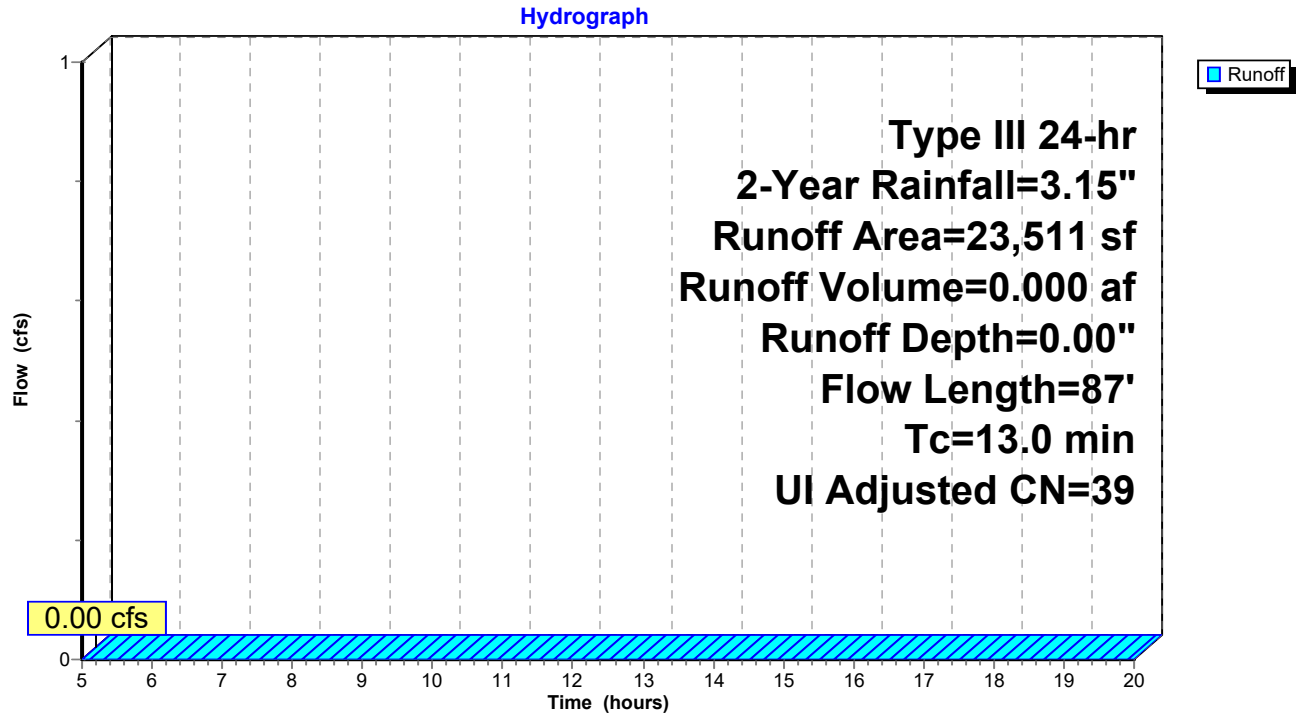
Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond 56P : Inf. Basin 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
1,317	98		Unconnected roofs, HSG A
4,111	30		Woods, Good, HSG A
18,083	39		>75% Grass cover, Good, HSG A
23,511	41	39	Weighted Average, UI Adjusted
22,194			94.40% Pervious Area
1,317			5.60% Impervious Area
1,317			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	50	0.0200	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
0.5	37	0.0300	1.21		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
13.0	87	Total			

Subcatchment 57S: (new Subcat)



Summary for Subcatchment 58S: P1AA

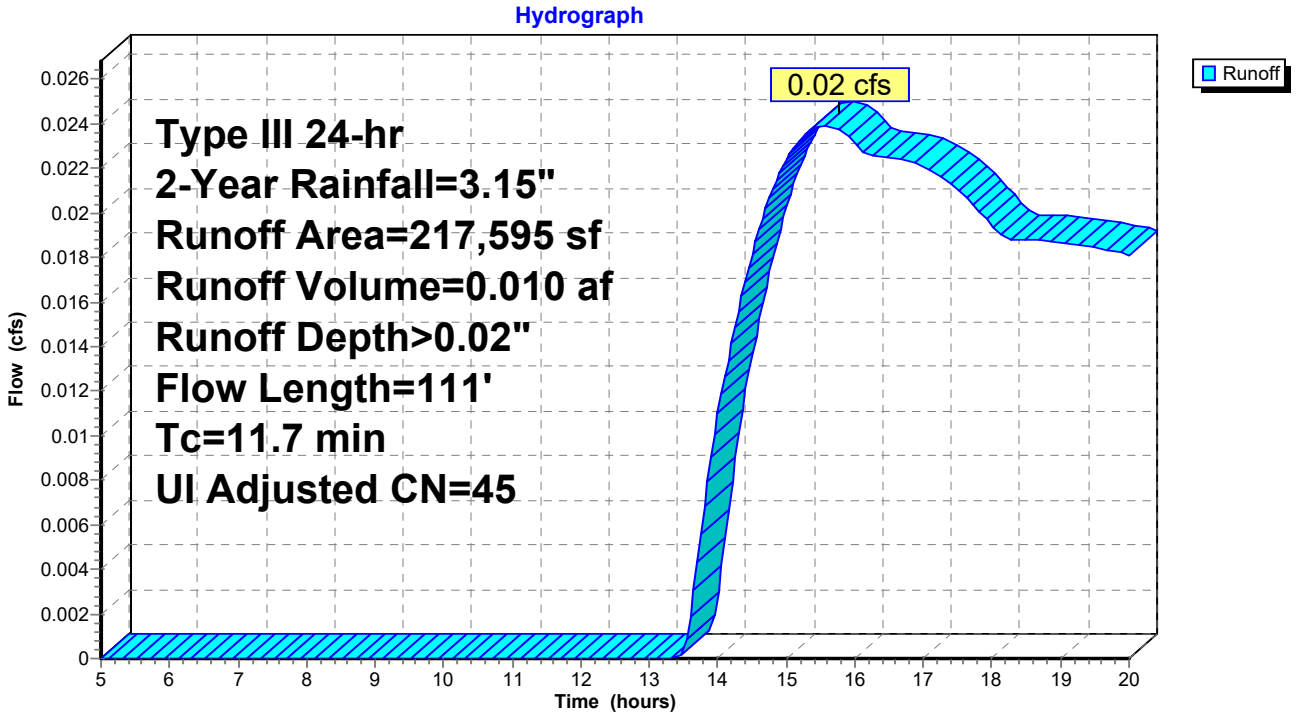
Runoff = 0.02 cfs @ 15.57 hrs, Volume= 0.010 af, Depth> 0.02"
Routed to Link 59L : DP 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

	Area (sf)	CN	Adj	Description
	1,776	98		Unconnected roofs, HSG C
	20,134	70		Woods, Good, HSG C
	38,005	74		>75% Grass cover, Good, HSG C
	3,034	98		Unconnected roofs, HSG A
*	12,179	39		Pervious Pavement
	84,195	30		Woods, Good, HSG A
	57,506	39		>75% Grass cover, Good, HSG A
	766	98		Unconnected pavement, HSG A
	217,595	46	45	Weighted Average, UI Adjusted
	212,019			97.44% Pervious Area
	5,576			2.56% Impervious Area
	5,576			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.7	50	0.0300	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
1.0	61	0.0400	1.00		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.7	111	Total			

Subcatchment 58S: P1AA



Summary for Subcatchment 60S: P2C

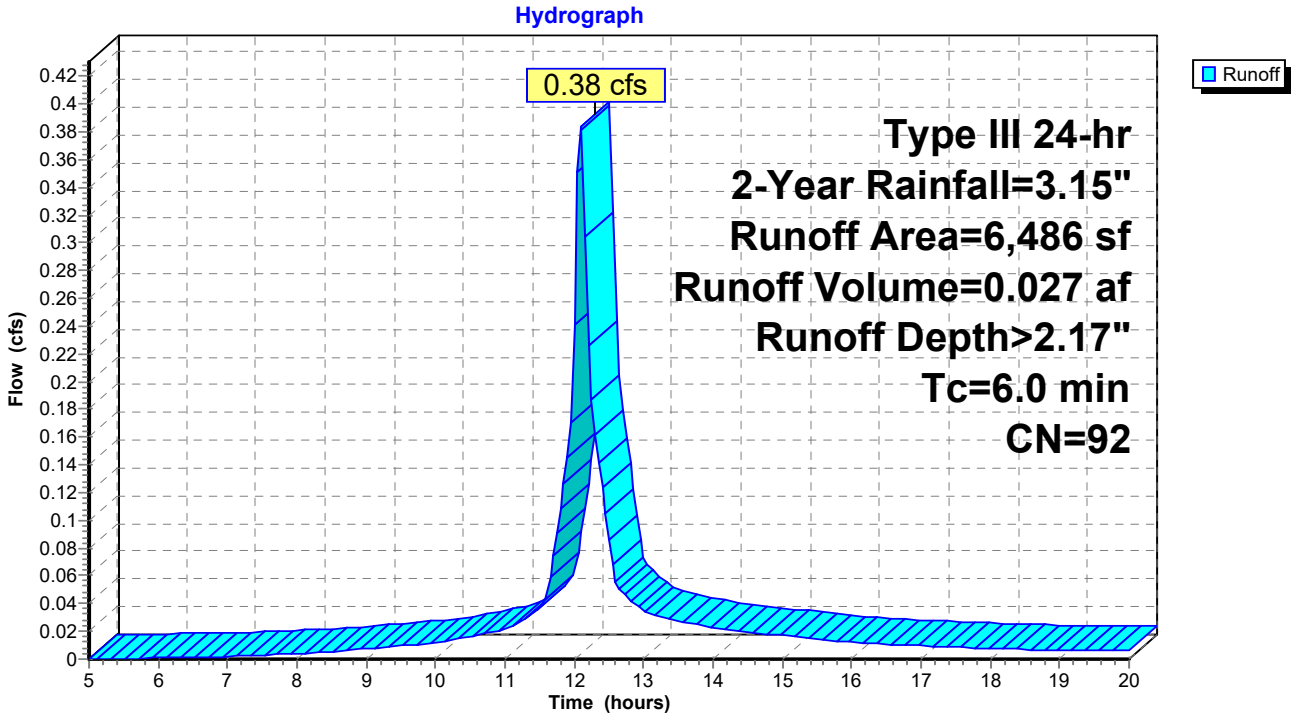
Runoff = 0.38 cfs @ 12.09 hrs, Volume= 0.027 af, Depth> 2.17"
Routed to Pond 62P : CB 66

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,086	98	Unconnected roofs, HSG C
1,688	74	>75% Grass cover, Good, HSG C
2,712	98	Paved parking, HSG C
6,486	92	Weighted Average
1,688		26.03% Pervious Area
4,798		73.97% Impervious Area
2,086		43.48% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 60S: P2C



Summary for Subcatchment 61S: P2D

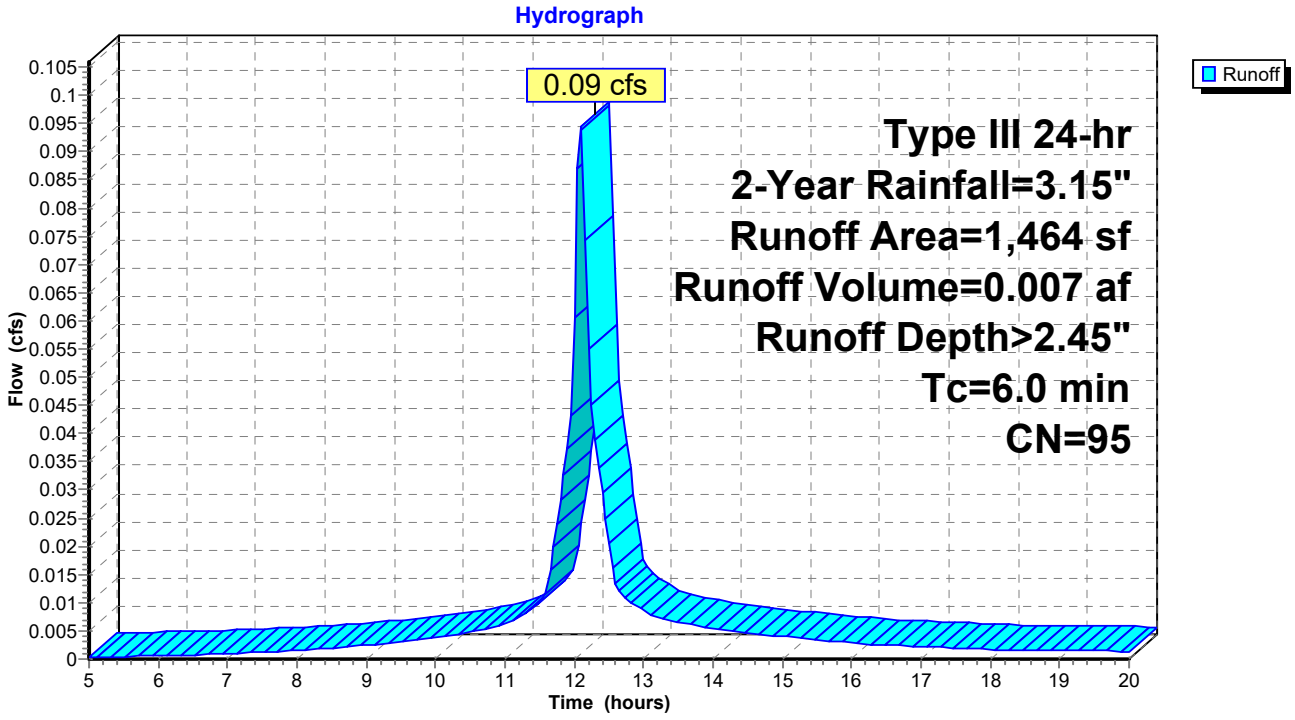
Runoff = 0.09 cfs @ 12.09 hrs, Volume= 0.007 af, Depth> 2.45"
Routed to Pond 63P : CB 67

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
190	74	>75% Grass cover, Good, HSG C
1,274	98	Paved parking, HSG C
1,464	95	Weighted Average
190		12.98% Pervious Area
1,274		87.02% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 61S: P2D



Summary for Subcatchment 62S: P2J

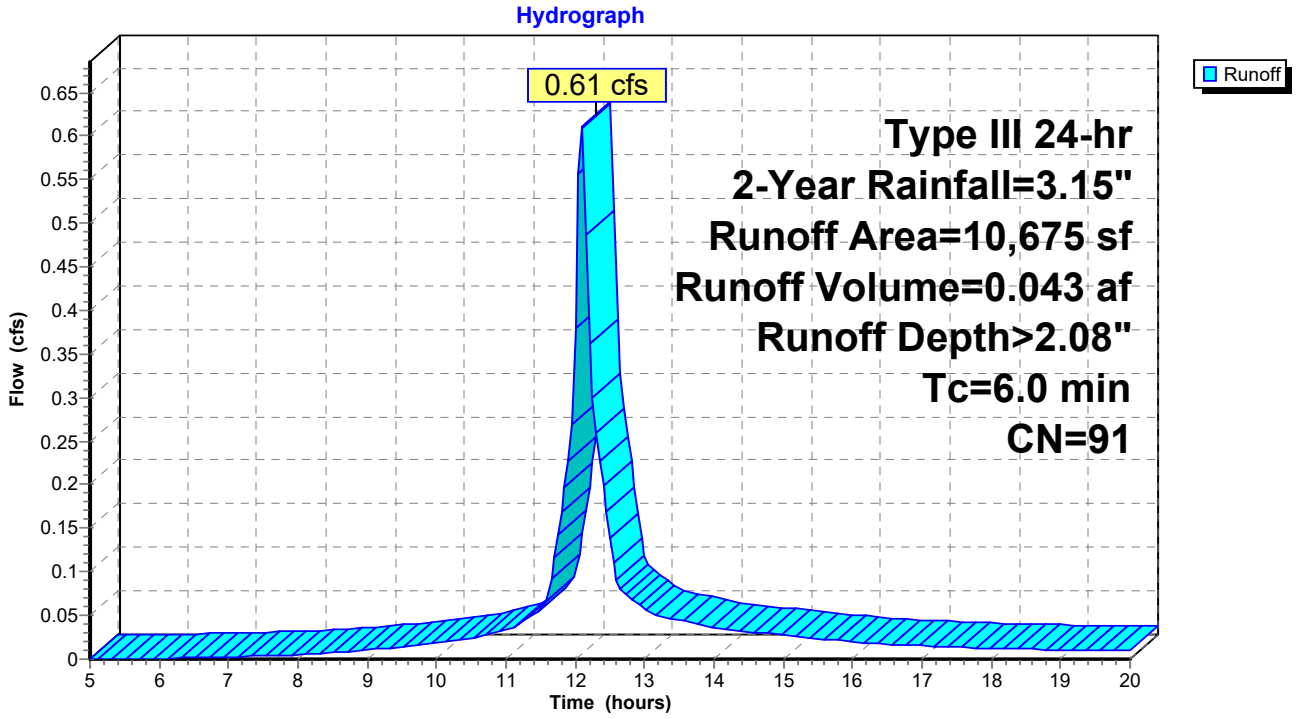
Runoff = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af, Depth> 2.08"
Routed to Pond 69P : CB 72

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,207	98	Unconnected roofs, HSG C
2,897	74	>75% Grass cover, Good, HSG C
4,571	98	Paved parking, HSG C
10,675	91	Weighted Average
2,897		27.14% Pervious Area
7,778		72.86% Impervious Area
3,207		41.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 62S: P2J



Summary for Subcatchment 63S: P2K

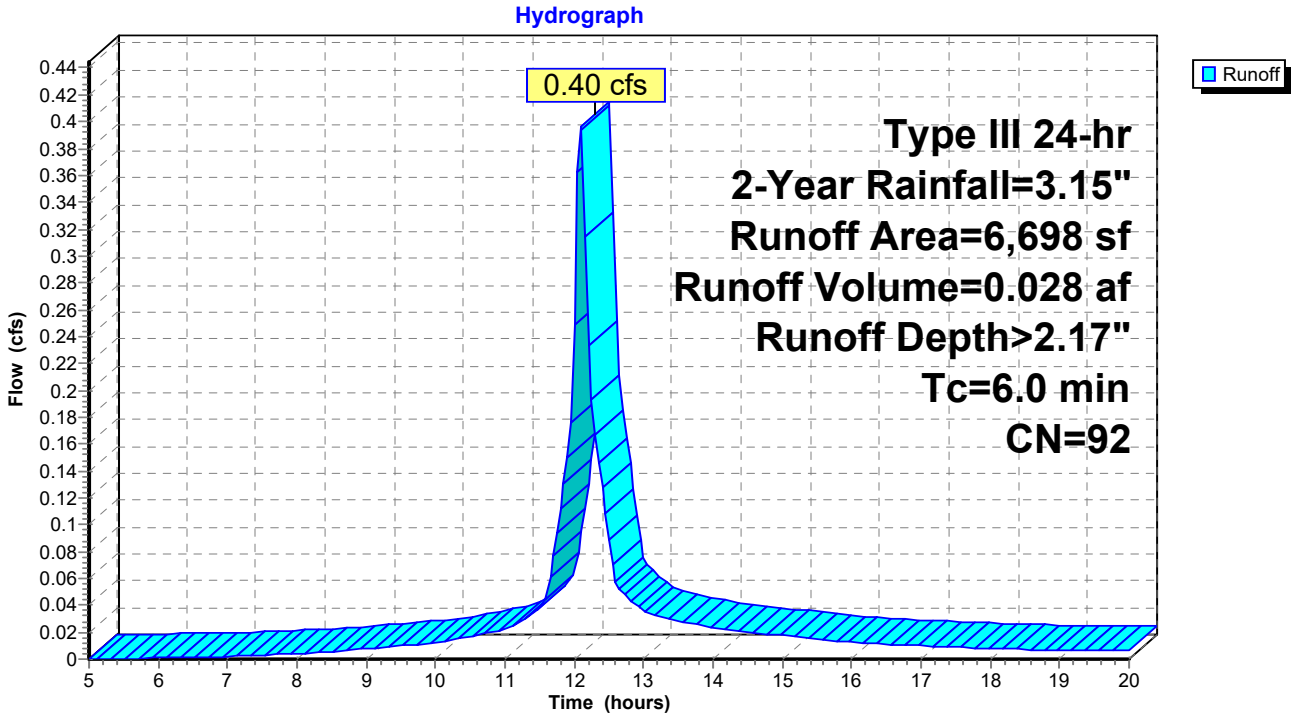
Runoff = 0.40 cfs @ 12.09 hrs, Volume= 0.028 af, Depth> 2.17"
Routed to Pond 70P : CB 73

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,542	74	>75% Grass cover, Good, HSG C
1,151	98	Unconnected roofs, HSG C
4,005	98	Paved parking, HSG C
6,698	92	Weighted Average
1,542		23.02% Pervious Area
5,156		76.98% Impervious Area
1,151		22.32% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 63S: P2K



Summary for Subcatchment 64S: P3L

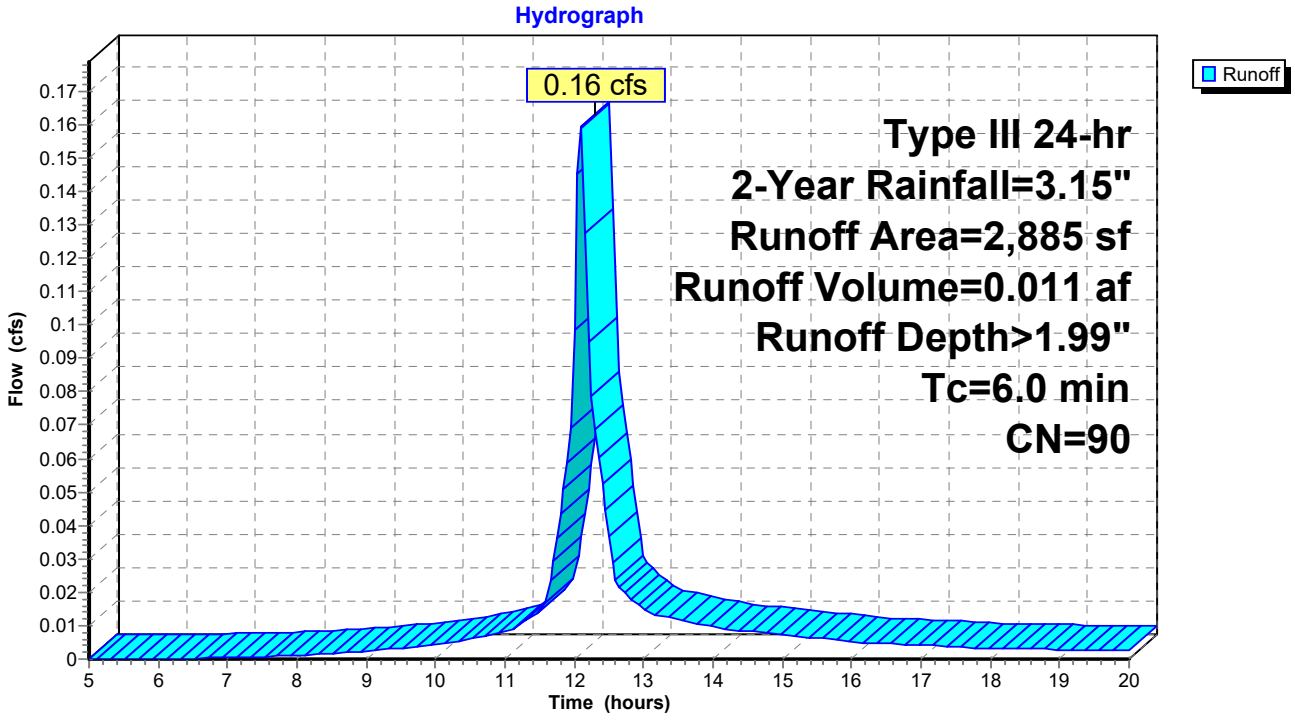
Runoff = 0.16 cfs @ 12.09 hrs, Volume= 0.011 af, Depth> 1.99"
Routed to Pond 88P : CB 84

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
965	74	>75% Grass cover, Good, HSG C
1,920	98	Paved parking, HSG C
2,885	90	Weighted Average
965		33.45% Pervious Area
1,920		66.55% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 64S: P3L



Summary for Subcatchment 65S: P3M

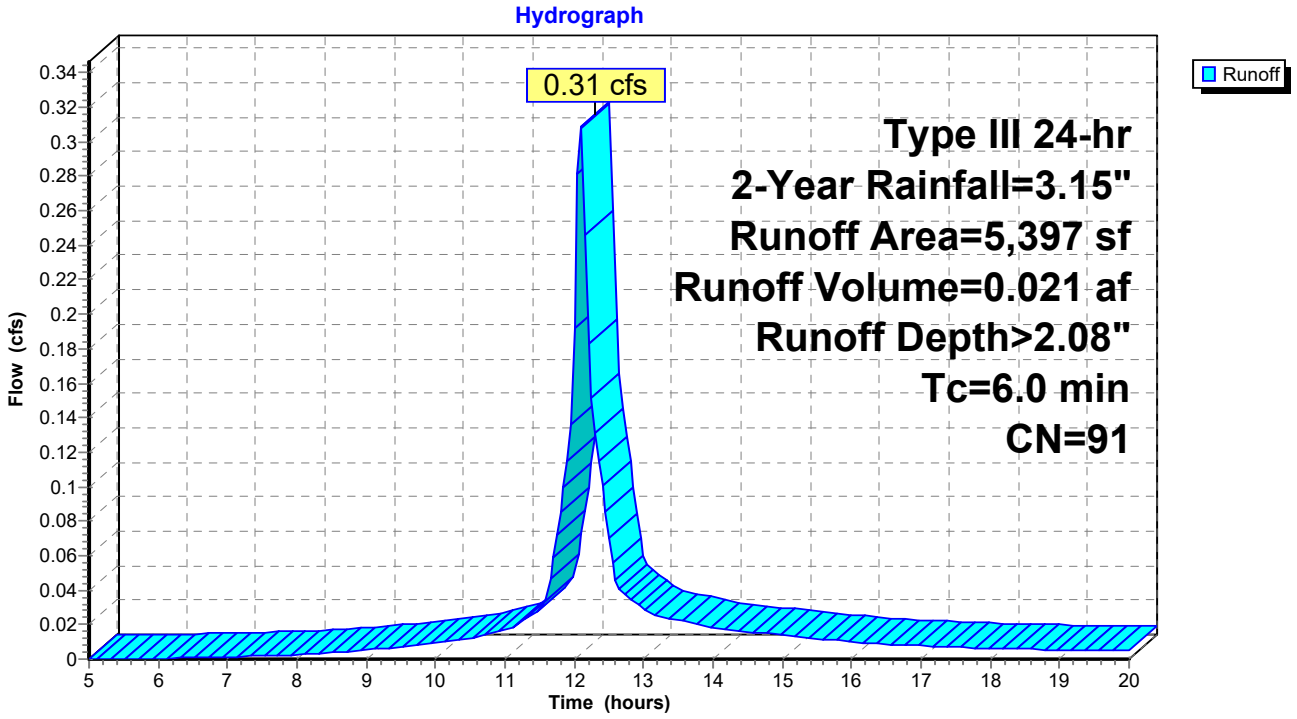
Runoff = 0.31 cfs @ 12.09 hrs, Volume= 0.021 af, Depth> 2.08"
Routed to Pond 87P : CB 85

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,636	74	>75% Grass cover, Good, HSG C
1,756	98	Unconnected roofs, HSG C
2,005	98	Paved parking, HSG C
5,397	91	Weighted Average
1,636		30.31% Pervious Area
3,761		69.69% Impervious Area
1,756		46.69% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 65S: P3M



Summary for Subcatchment 66S: P3N

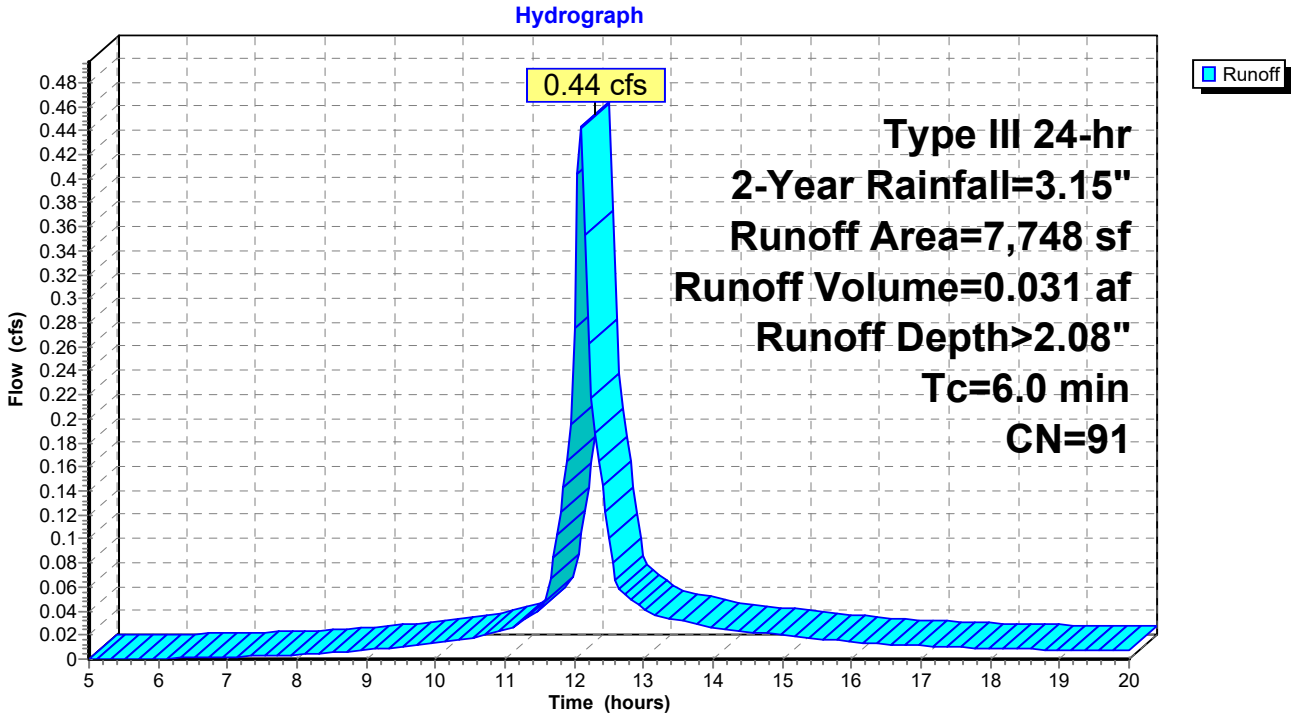
Runoff = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af, Depth> 2.08"
Routed to Pond 83P : CB 86

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,108	74	>75% Grass cover, Good, HSG C
1,824	98	Unconnected roofs, HSG C
3,816	98	Paved parking, HSG C
7,748	91	Weighted Average
2,108		27.21% Pervious Area
5,640		72.79% Impervious Area
1,824		32.34% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 66S: P3N



Summary for Subcatchment 67S: P3O

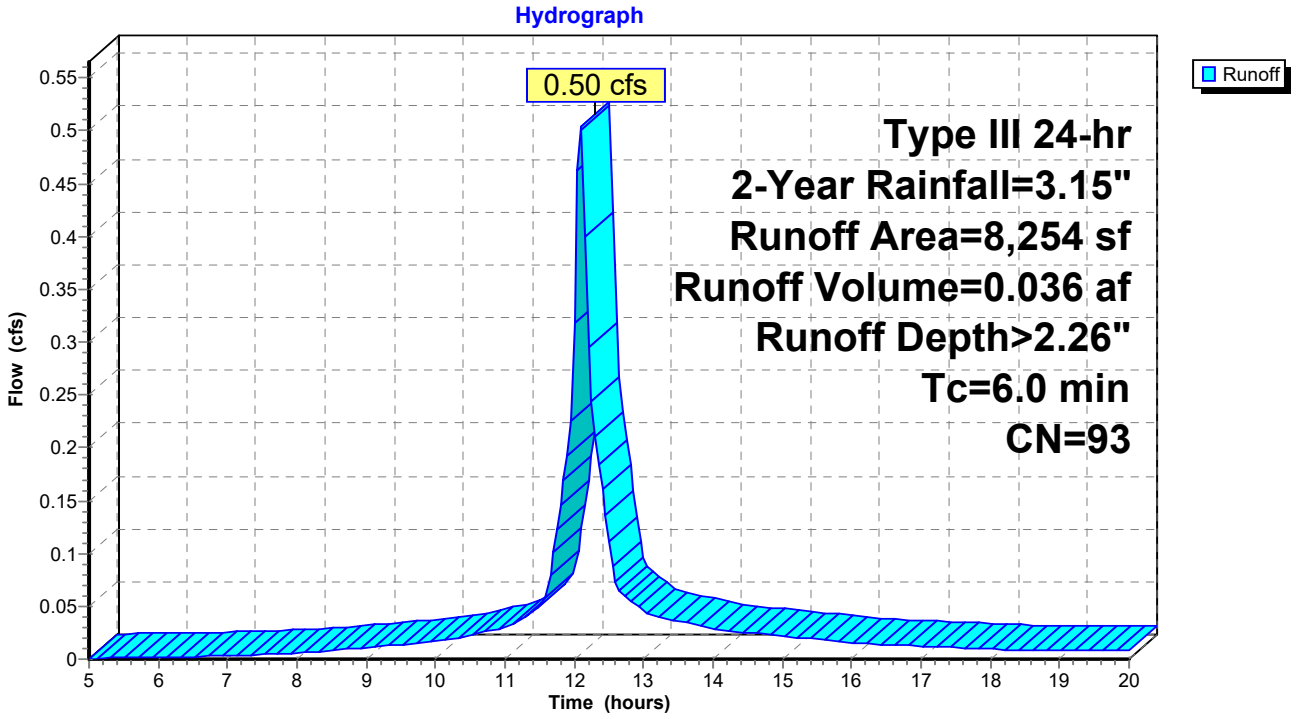
Runoff = 0.50 cfs @ 12.09 hrs, Volume= 0.036 af, Depth> 2.26"
Routed to Pond 84P : CB 87

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,792	74	>75% Grass cover, Good, HSG C
2,605	98	Unconnected roofs, HSG C
3,857	98	Paved parking, HSG C
8,254	93	Weighted Average
1,792		21.71% Pervious Area
6,462		78.29% Impervious Area
2,605		40.31% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 67S: P3O



Summary for Subcatchment 68S: P3P

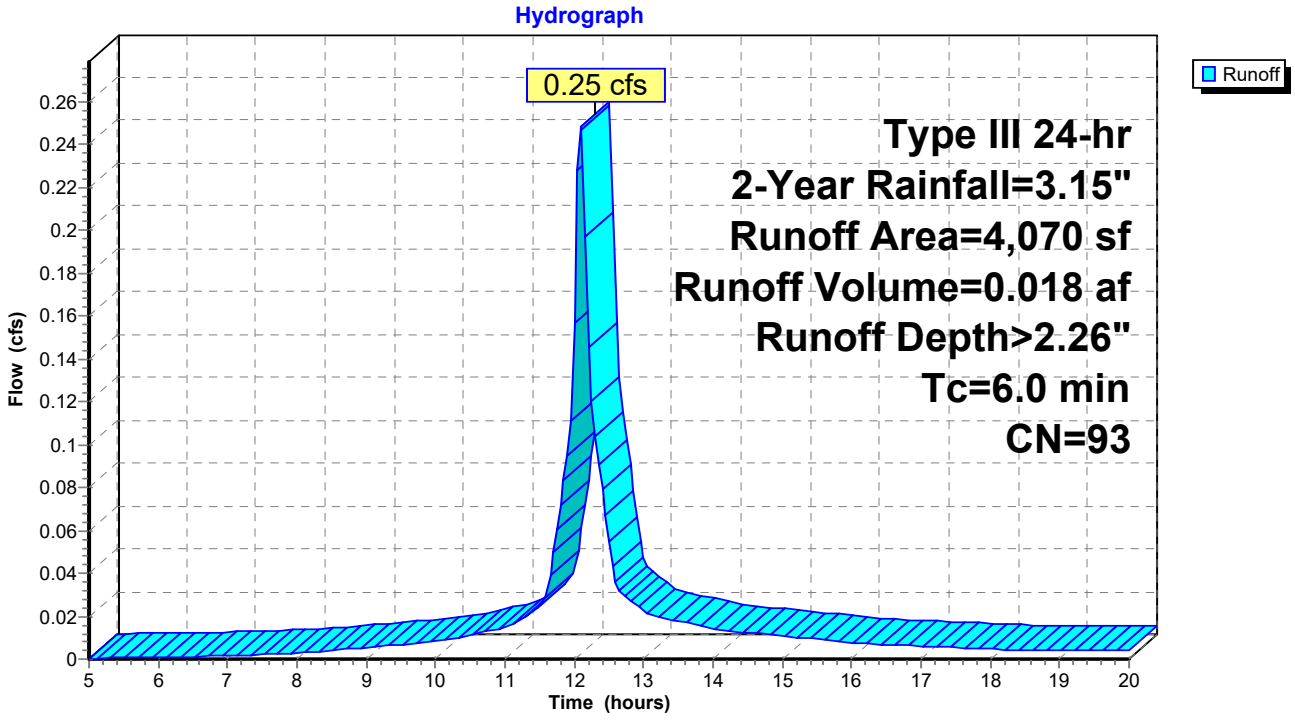
Runoff = 0.25 cfs @ 12.09 hrs, Volume= 0.018 af, Depth> 2.26"
Routed to Pond 108P : CB 88

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
802	74	>75% Grass cover, Good, HSG C
3,268	98	Paved parking, HSG C
4,070	93	Weighted Average
802		19.71% Pervious Area
3,268		80.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 68S: P3P



Summary for Subcatchment 69S: P2E

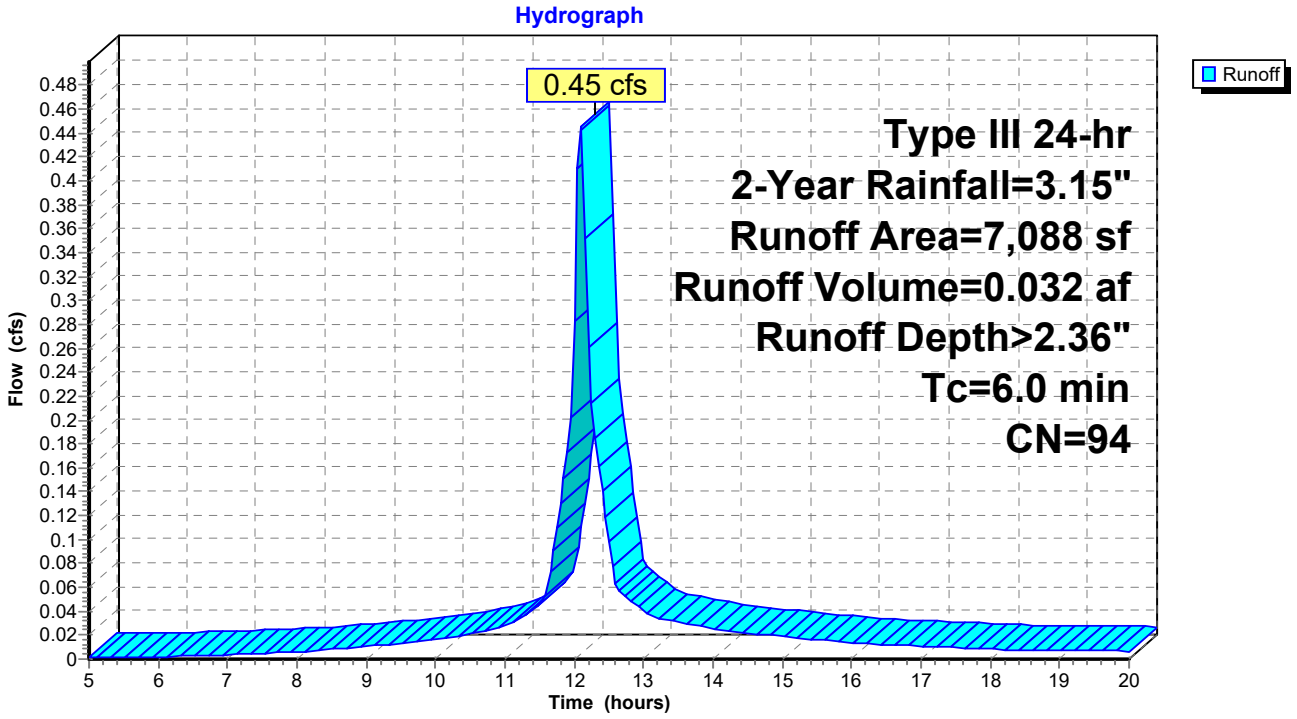
Runoff = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af, Depth> 2.36"
Routed to Pond 66P : CB 68

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,227	74	>75% Grass cover, Good, HSG C
1,596	98	Unconnected roofs, HSG C
4,265	98	Paved parking, HSG C
7,088	94	Weighted Average
1,227		17.31% Pervious Area
5,861		82.69% Impervious Area
1,596		27.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 69S: P2E



Summary for Subcatchment 70S: P2F

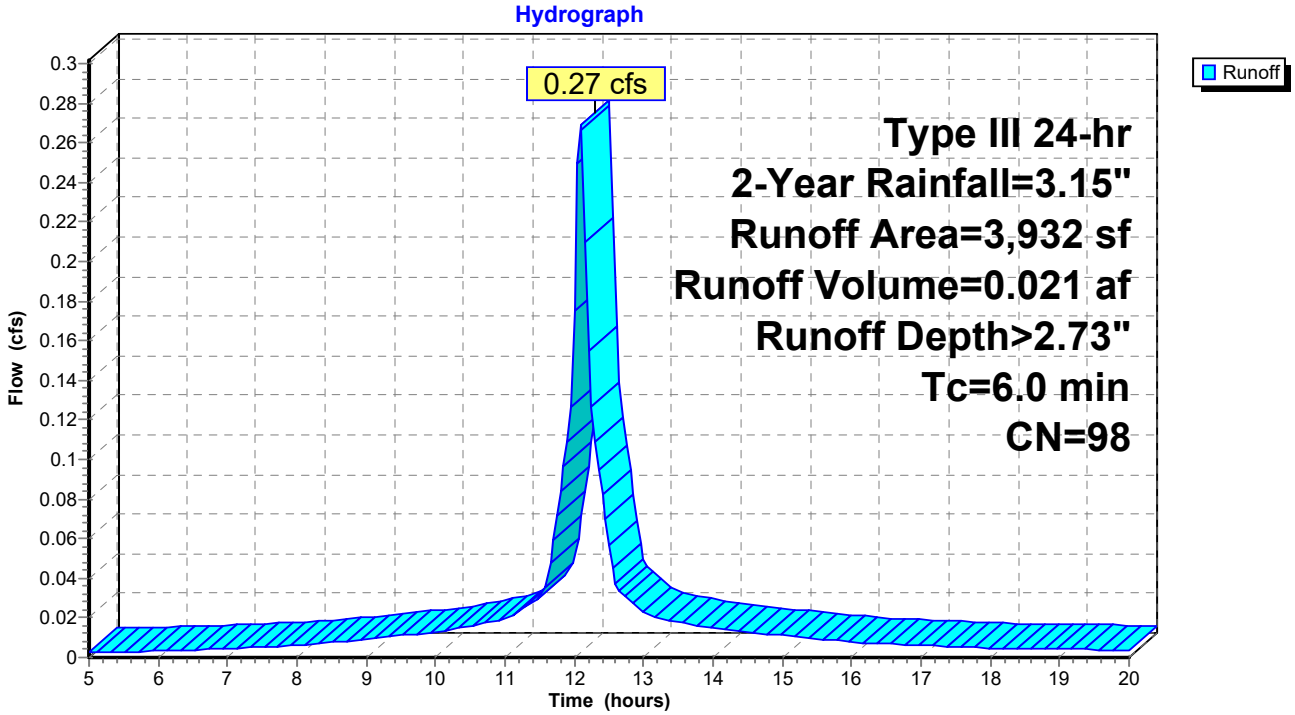
Runoff = 0.27 cfs @ 12.09 hrs, Volume= 0.021 af, Depth> 2.73"
Routed to Pond 67P : CB 69

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,932	98	Paved parking, HSG C
3,932		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 70S: P2F



Summary for Subcatchment 71S: P2A

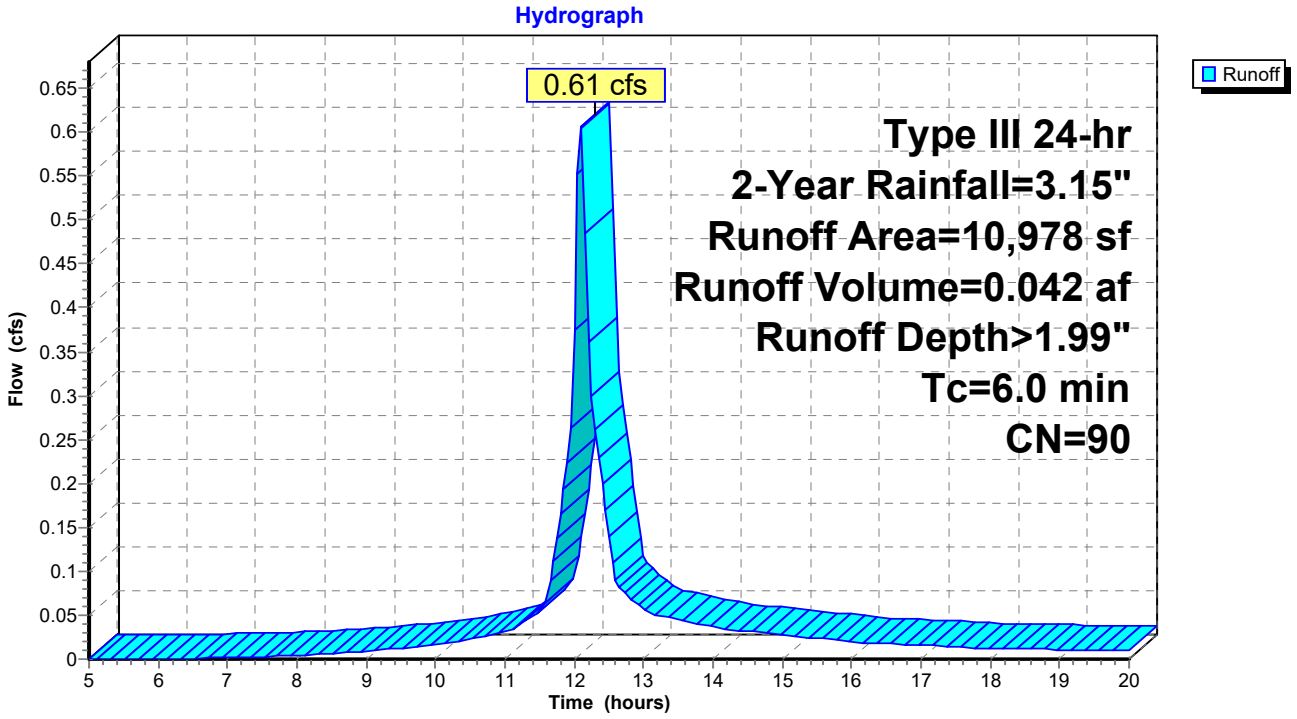
Runoff = 0.61 cfs @ 12.09 hrs, Volume= 0.042 af, Depth> 1.99"
Routed to Pond 73P : CB 64

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,800	98	Unconnected roofs, HSG C
3,751	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
10,978	90	Weighted Average
3,751		34.17% Pervious Area
7,227		65.83% Impervious Area
2,800		38.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 71S: P2A



Summary for Subcatchment 72S: P2B

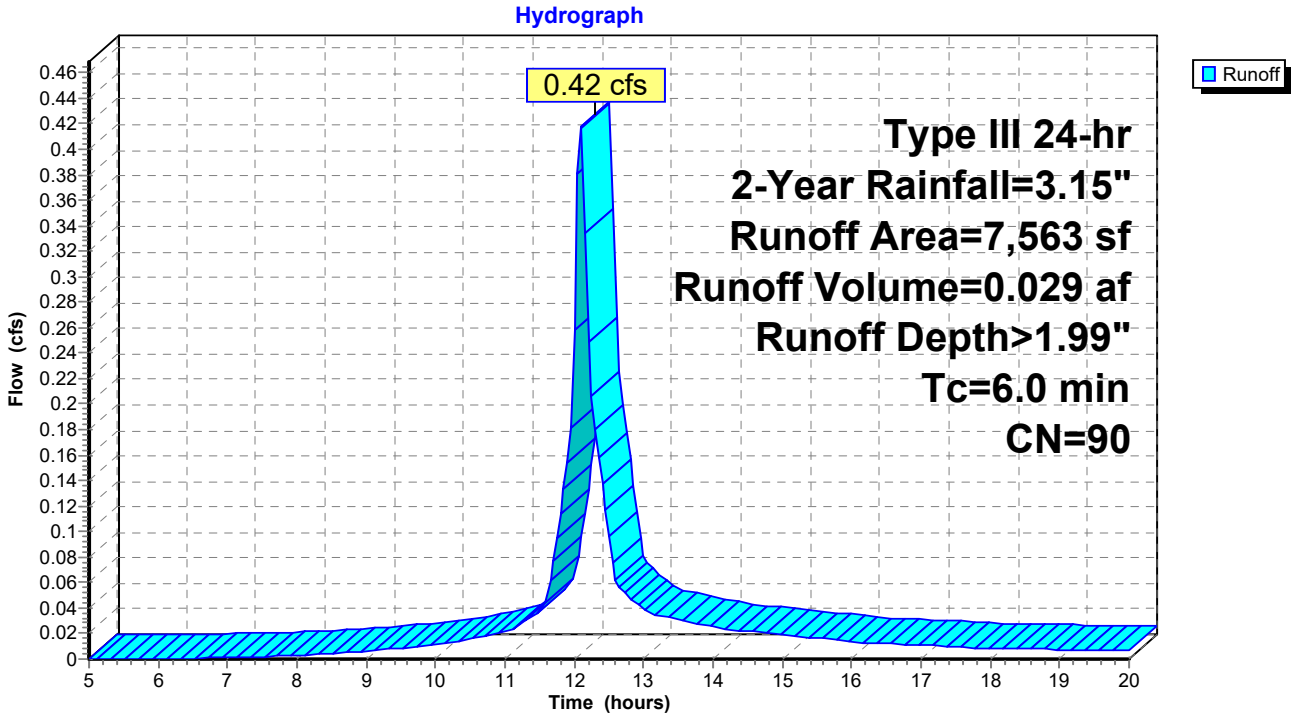
Runoff = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af, Depth> 1.99"
Routed to Pond 74P : CB 65

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,643	74	>75% Grass cover, Good, HSG C
4,920	98	Paved parking, HSG C
7,563	90	Weighted Average
2,643		34.95% Pervious Area
4,920		65.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 72S: P2B



Summary for Subcatchment 73S: P2G

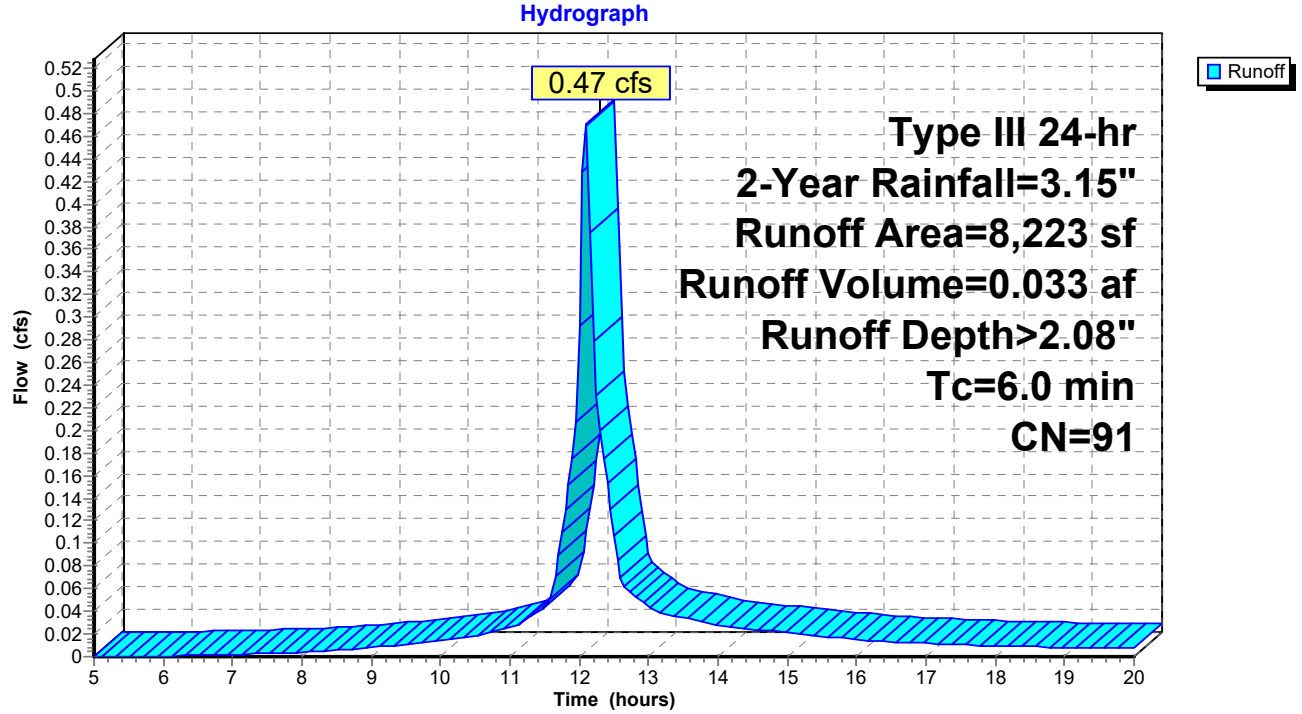
Runoff = 0.47 cfs @ 12.09 hrs, Volume= 0.033 af, Depth> 2.08"
Routed to Pond 76P : CB 70

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,345	74	>75% Grass cover, Good, HSG C
1,348	98	Unconnected roofs, HSG C
122	98	Unconnected roofs, HSG A
34	39	>75% Grass cover, Good, HSG A
673	98	Paved parking, HSG A
3,701	98	Paved parking, HSG C
8,223	91	Weighted Average
2,379		28.93% Pervious Area
5,844		71.07% Impervious Area
1,470		25.15% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 73S: P2G



Summary for Subcatchment 74S: P2H

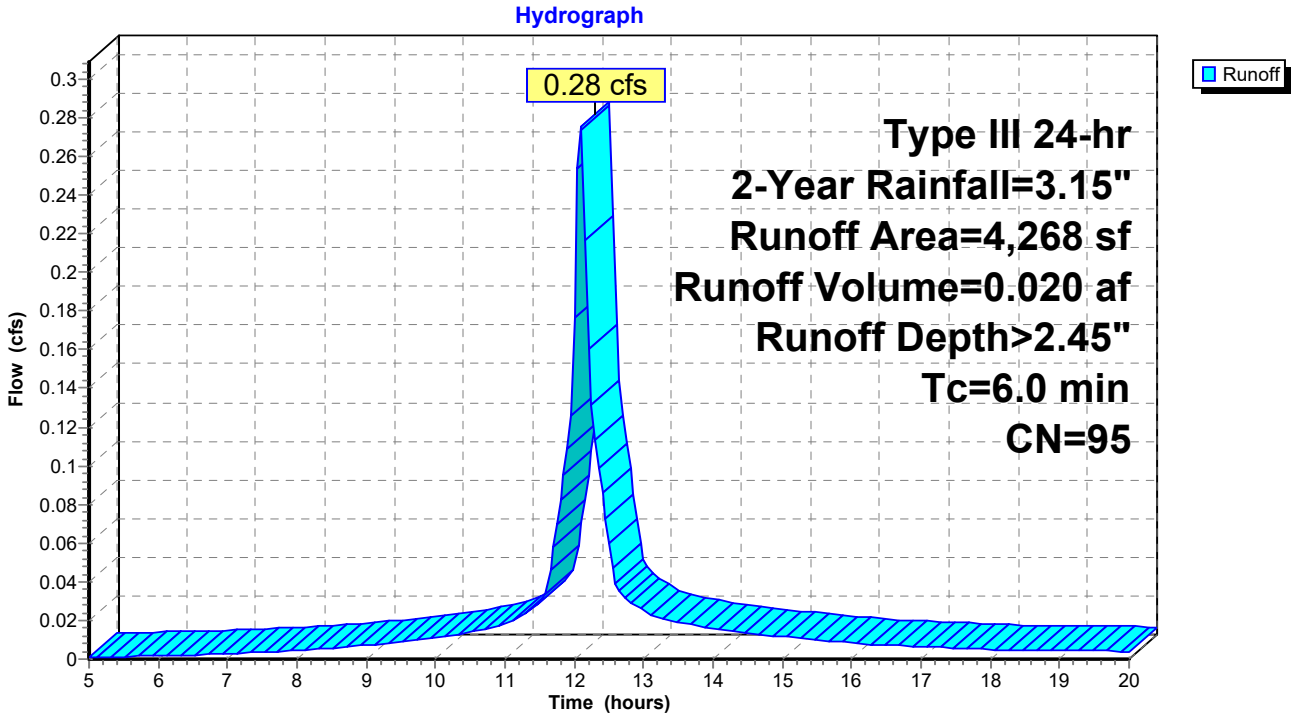
Runoff = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af, Depth> 2.45"
Routed to Pond 77P : CB 71

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
200	39	>75% Grass cover, Good, HSG A
610	98	Unconnected roofs, HSG A
3,458	98	Paved parking, HSG A
4,268	95	Weighted Average
200		4.69% Pervious Area
4,068		95.31% Impervious Area
610		15.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 74S: P2H



Summary for Subcatchment 75S: P3Q

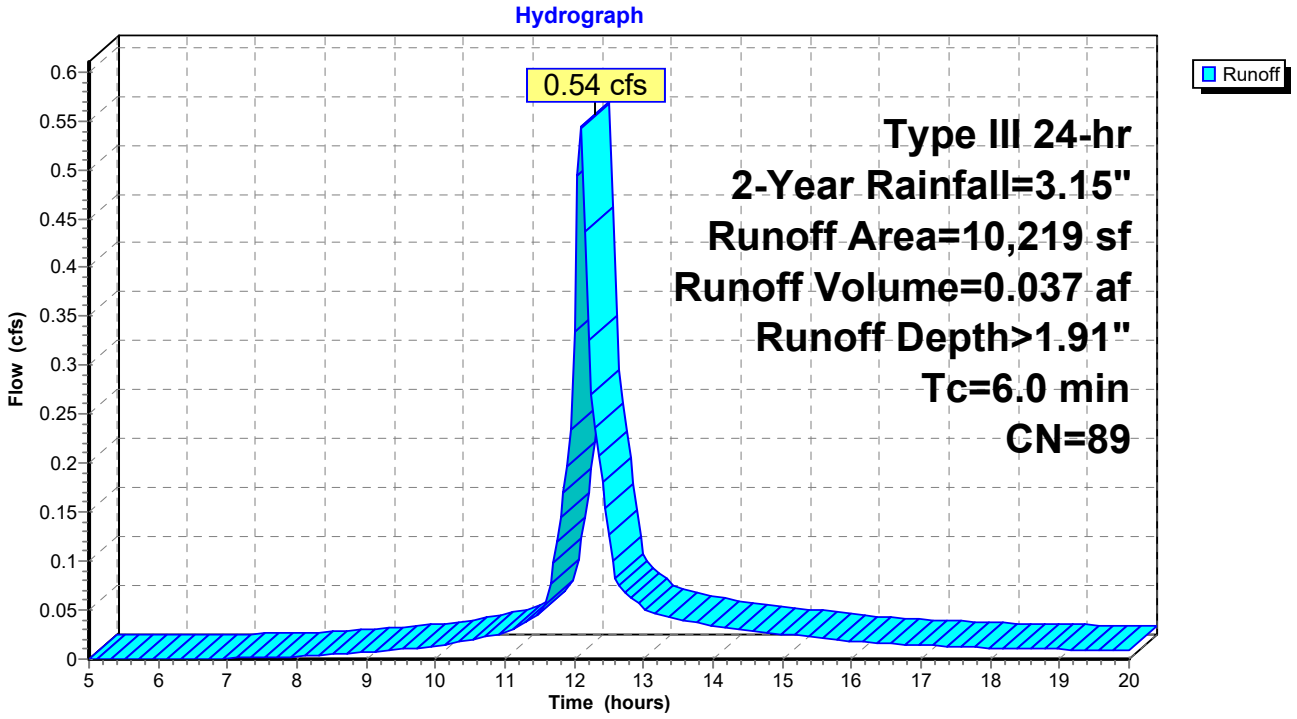
Runoff = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af, Depth> 1.91"
Routed to Pond 107P : CB

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,641	74	>75% Grass cover, Good, HSG C
1,994	98	Unconnected roofs, HSG C
4,584	98	Paved parking, HSG C
10,219	89	Weighted Average
3,641		35.63% Pervious Area
6,578		64.37% Impervious Area
1,994		30.31% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 75S: P3Q



Summary for Subcatchment 76S: P3R

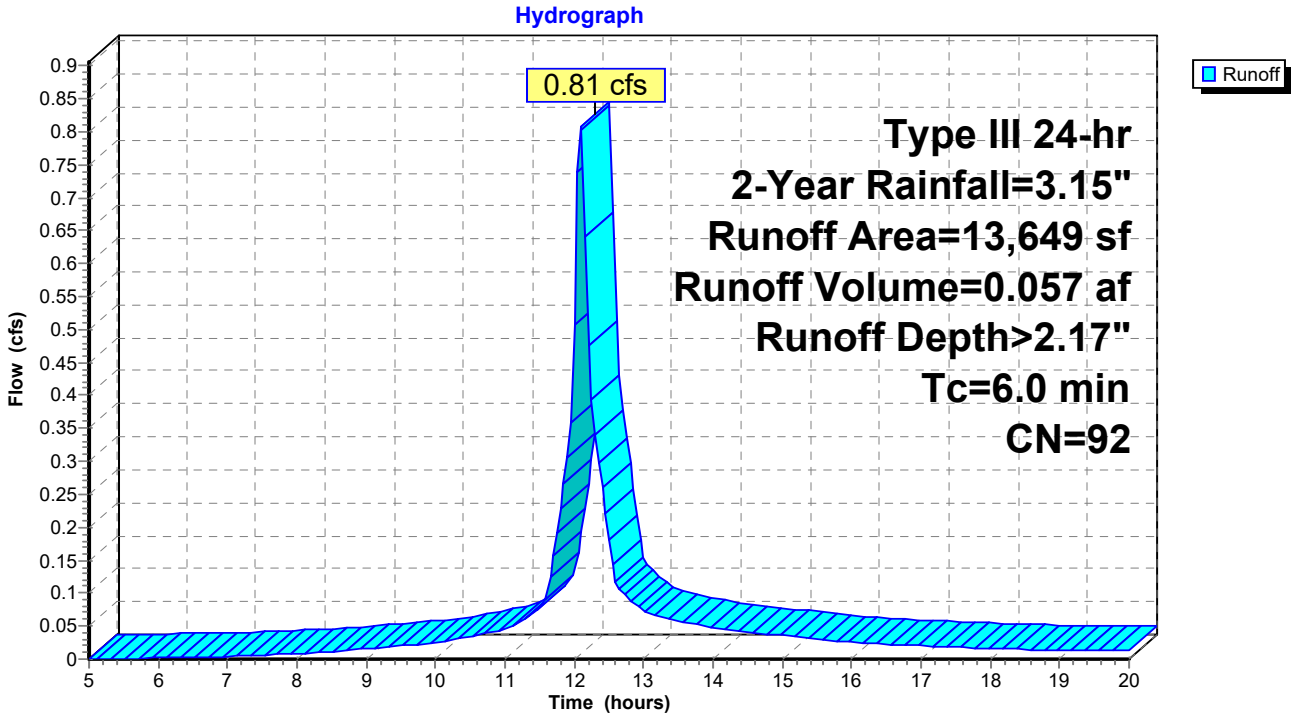
Runoff = 0.81 cfs @ 12.09 hrs, Volume= 0.057 af, Depth> 2.17"
Routed to Pond 103P : CB 92

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,162	74	>75% Grass cover, Good, HSG C
4,063	98	Unconnected roofs, HSG C
6,424	98	Paved parking, HSG C
13,649	92	Weighted Average
3,162		23.17% Pervious Area
10,487		76.83% Impervious Area
4,063		38.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 76S: P3R



Summary for Subcatchment 77S: P3S

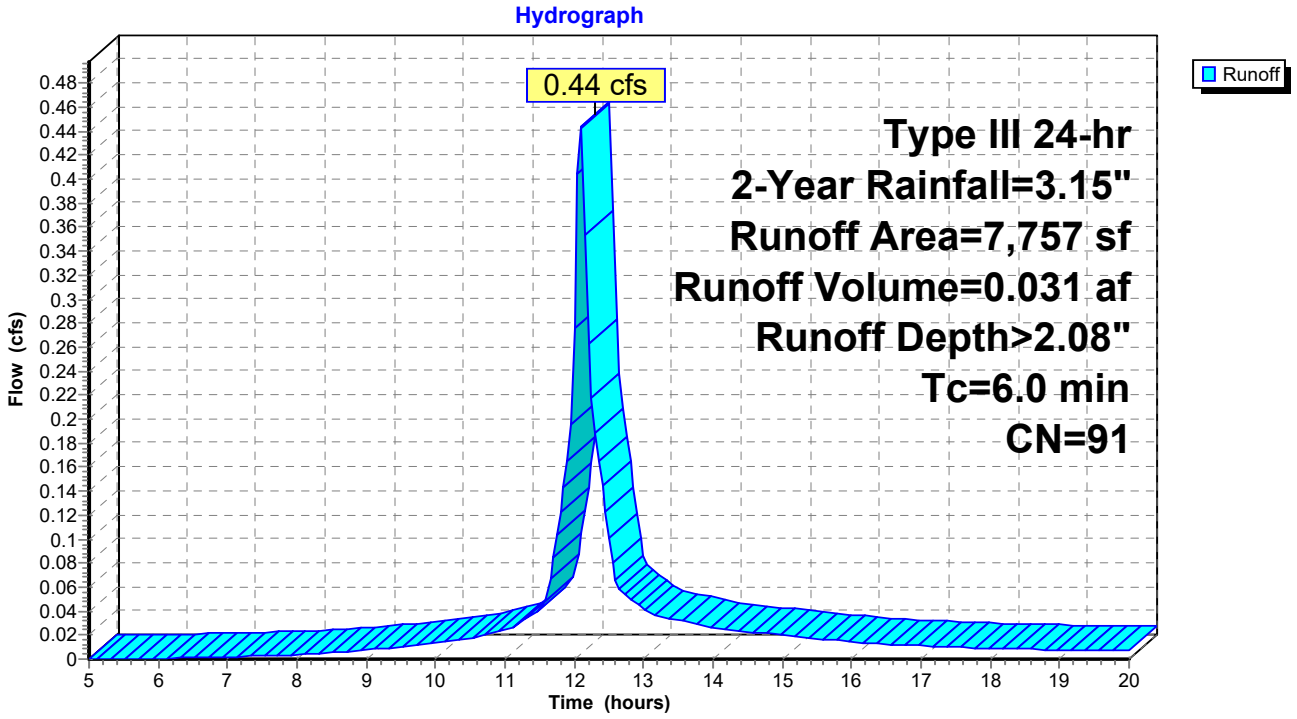
Runoff = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af, Depth> 2.08"
Routed to Pond 102P : CB 93

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,358	74	>75% Grass cover, Good, HSG C
702	98	Unconnected roofs, HSG C
4,697	98	Paved parking, HSG C
7,757	91	Weighted Average
2,358		30.40% Pervious Area
5,399		69.60% Impervious Area
702		13.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 77S: P3S



Summary for Subcatchment 78S: P1S

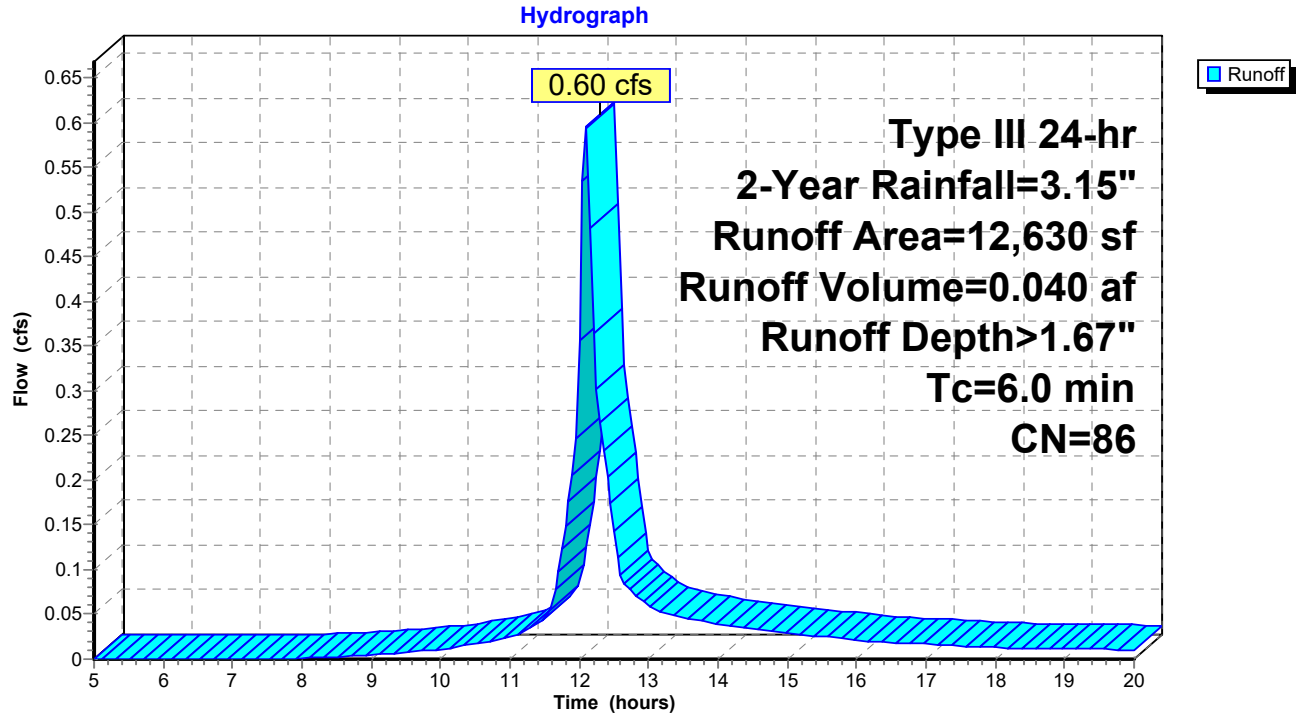
Runoff = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af, Depth> 1.67"
Routed to Pond 112P : CB 45

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
4,541	74	>75% Grass cover, Good, HSG C
2,275	98	Unconnected roofs, HSG C
693	39	>75% Grass cover, Good, HSG A
412	98	Paved parking, HSG A
4,709	98	Paved parking, HSG C
12,630	86	Weighted Average
5,234		41.44% Pervious Area
7,396		58.56% Impervious Area
2,275		30.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 78S: P1S



Summary for Subcatchment 79S: P1T

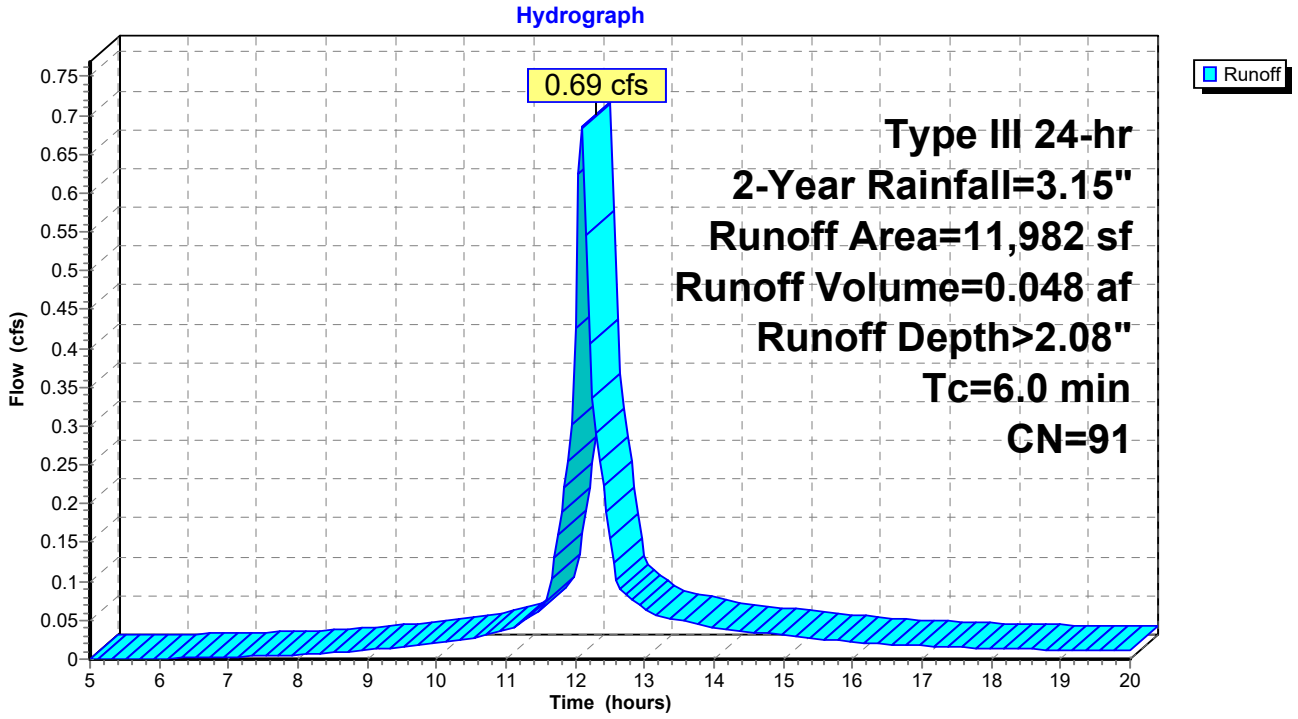
Runoff = 0.69 cfs @ 12.09 hrs, Volume= 0.048 af, Depth> 2.08"
Routed to Pond 122P : CB 46

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,187	74	>75% Grass cover, Good, HSG C
2,930	98	Unconnected roofs, HSG C
118	39	>75% Grass cover, Good, HSG A
214	98	Paved parking, HSG A
5,533	98	Paved parking, HSG C
11,982	91	Weighted Average
3,305		27.58% Pervious Area
8,677		72.42% Impervious Area
2,930		33.77% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 79S: P1T



Summary for Subcatchment 80S: P3KK

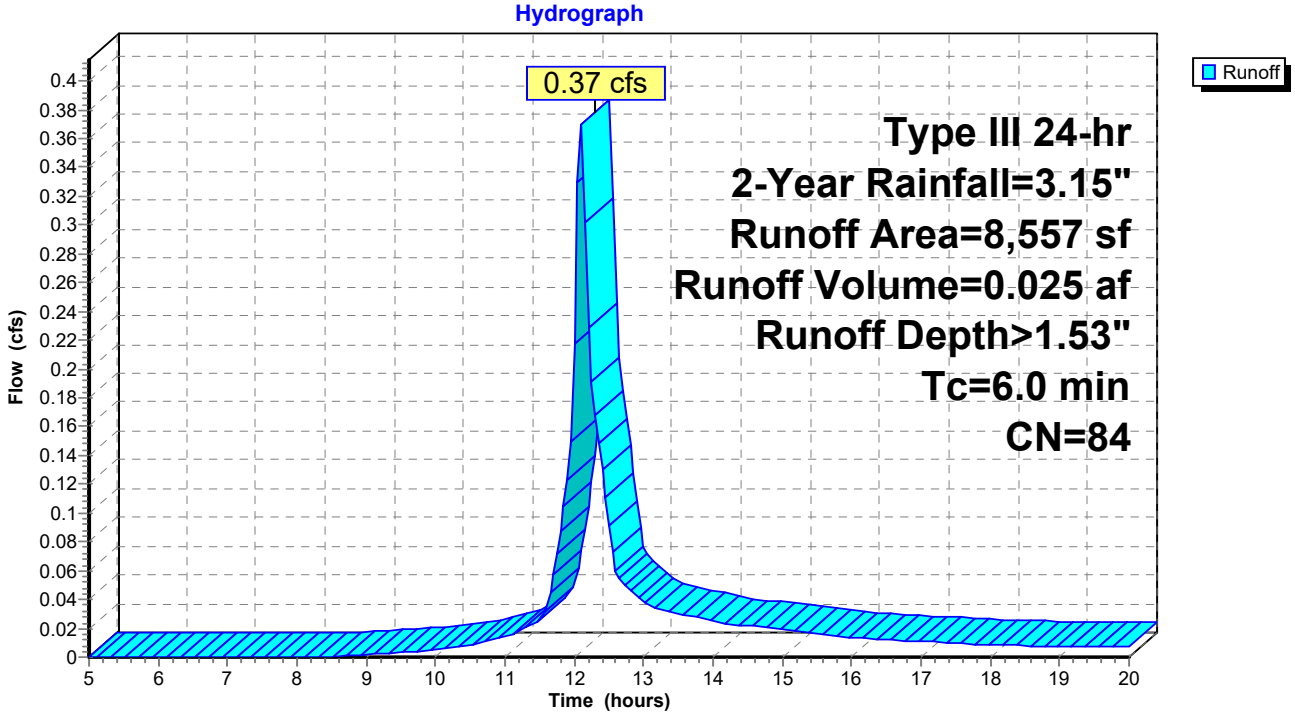
Runoff = 0.37 cfs @ 12.09 hrs, Volume= 0.025 af, Depth> 1.53"
Routed to Pond 125P : CB 36

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,989	39	>75% Grass cover, Good, HSG A
4,268	98	Unconnected roofs, HSG A
2,300	98	Paved parking, HSG A
8,557	84	Weighted Average
1,989		23.24% Pervious Area
6,568		76.76% Impervious Area
4,268		64.98% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 80S: P3KK



Summary for Subcatchment 81S: P3LL

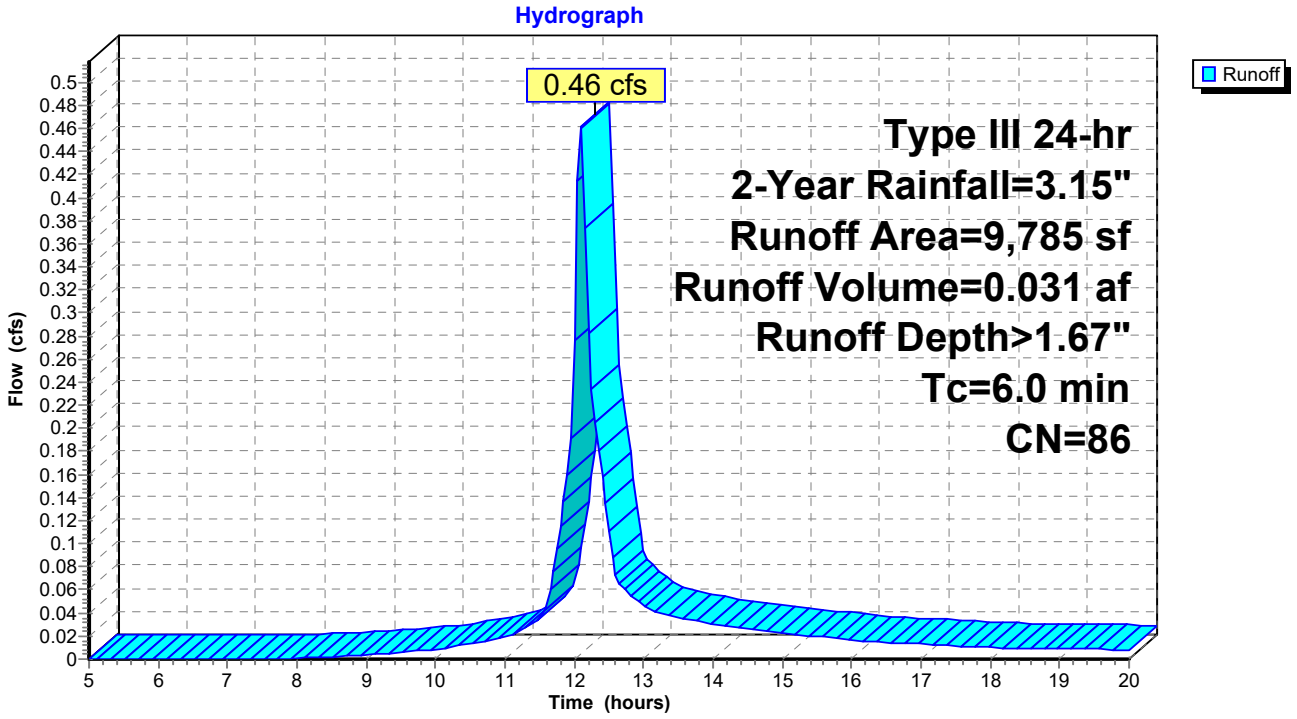
Runoff = 0.46 cfs @ 12.09 hrs, Volume= 0.031 af, Depth> 1.67"
Routed to Pond 126P : CB 37

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,037	39	>75% Grass cover, Good, HSG A
4,991	98	Unconnected roofs, HSG A
2,757	98	Paved parking, HSG A
9,785	86	Weighted Average
2,037		20.82% Pervious Area
7,748		79.18% Impervious Area
4,991		64.42% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 81S: P3LL



Summary for Subcatchment 82S: P3SS

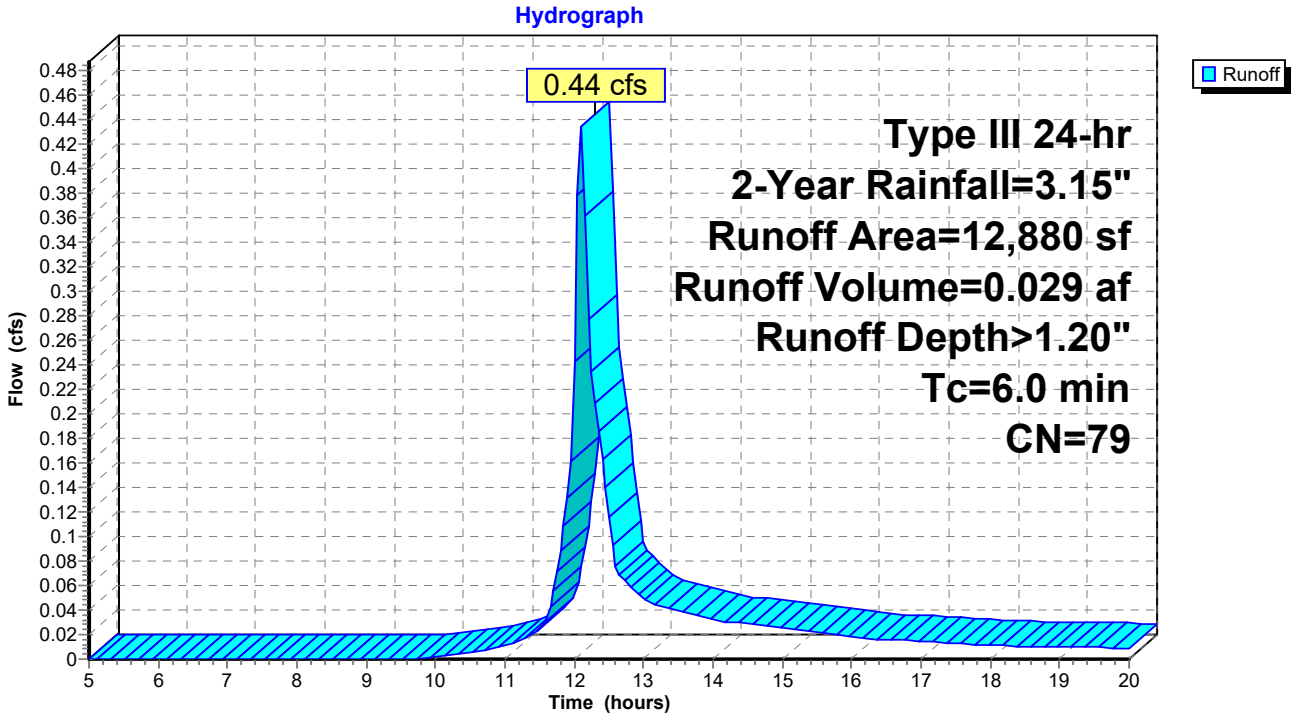
Runoff = 0.44 cfs @ 12.10 hrs, Volume= 0.029 af, Depth> 1.20"
Routed to Pond 128P : CB 30

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
4,180	39	>75% Grass cover, Good, HSG A
3,055	98	Unconnected roofs, HSG A
5,645	98	Paved parking, HSG A
12,880	79	Weighted Average
4,180		32.45% Pervious Area
8,700		67.55% Impervious Area
3,055		35.11% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 82S: P3SS



Summary for Subcatchment 83S: P2l

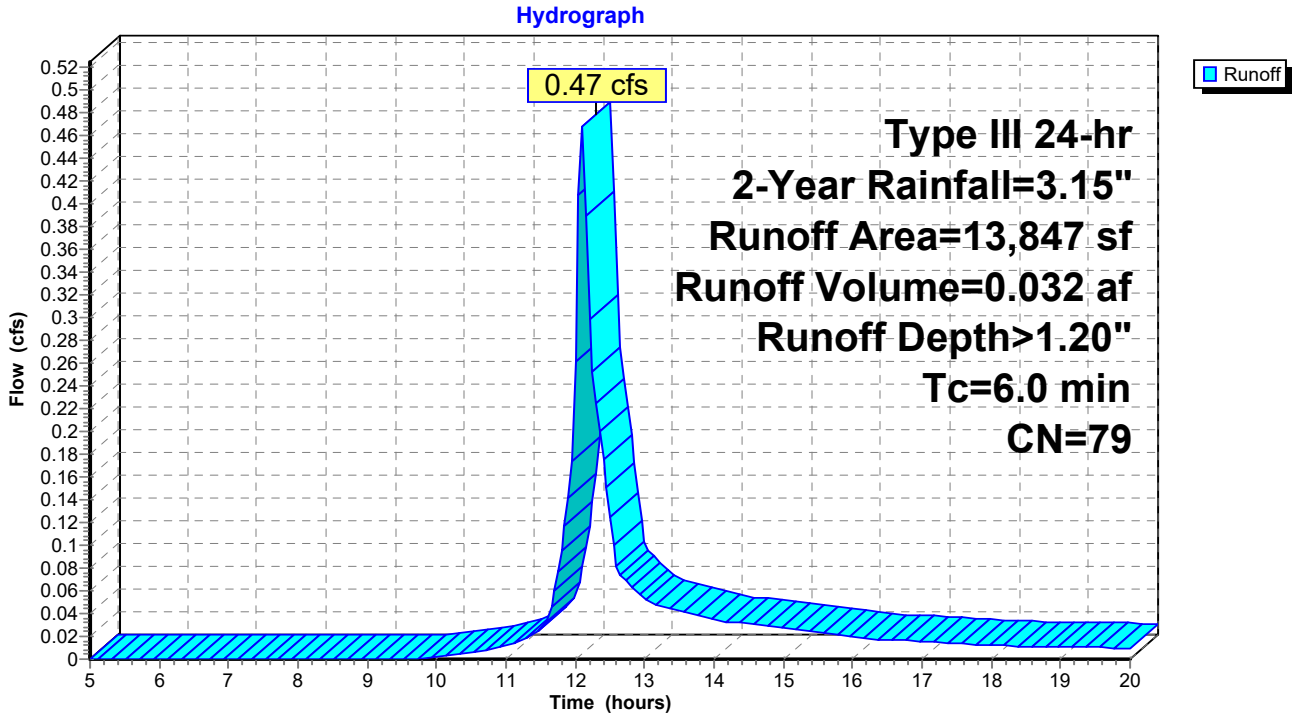
Runoff = 0.47 cfs @ 12.10 hrs, Volume= 0.032 af, Depth> 1.20"
Routed to Pond 82P : Constructed Wetland 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,861	39	>75% Grass cover, Good, HSG A
1,821	98	Unconnected roofs, HSG A
3,857	74	>75% Grass cover, Good, HSG C
597	98	Paved parking, HSG C
4,711	98	Paved parking, HSG A
13,847	79	Weighted Average
6,718		48.52% Pervious Area
7,129		51.48% Impervious Area
1,821		25.54% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 83S: P2l



Summary for Subcatchment 84S: P2AA

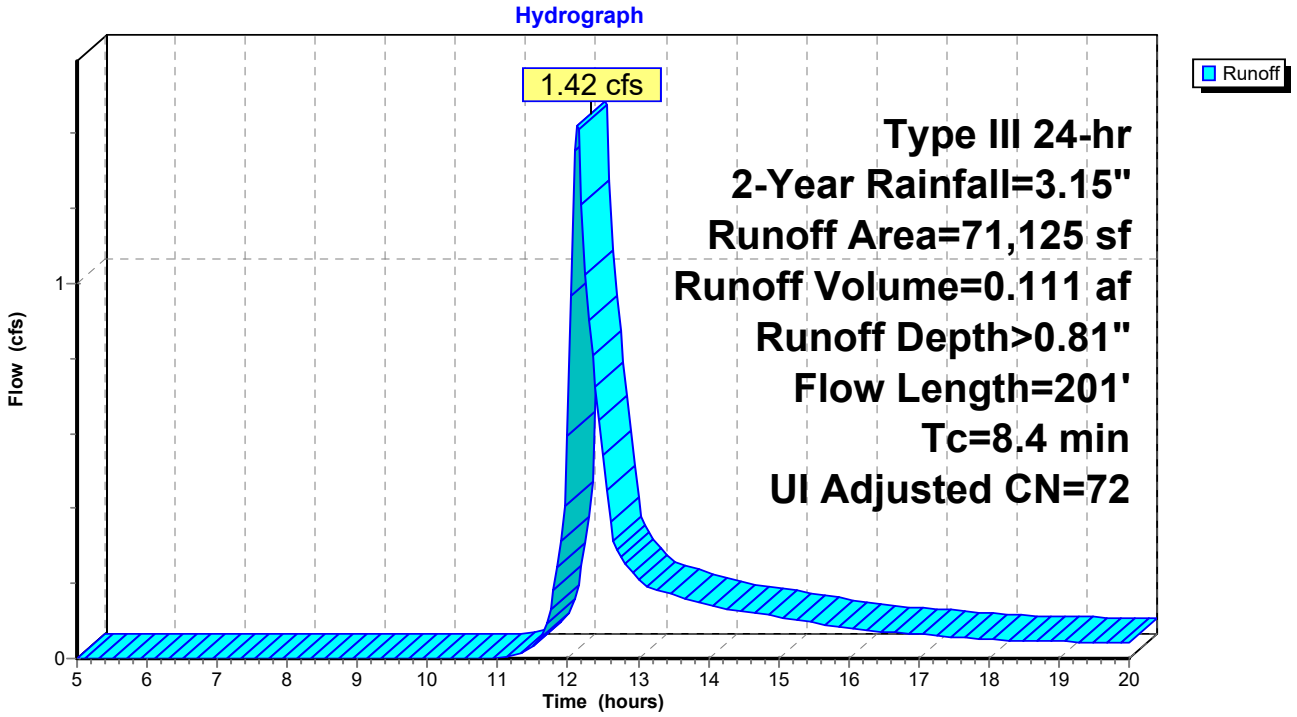
Runoff = 1.42 cfs @ 12.14 hrs, Volume= 0.111 af, Depth> 0.81"
Routed to Link 60L : DP 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
2,224	98		Unconnected roofs, HSG C
1,231	98		Unconnected pavement, HSG C
37,322	70		Woods, Good, HSG C
27,161	74		>75% Grass cover, Good, HSG C
242	98		Unconnected pavement, HSG A
1,399	39		>75% Grass cover, Good, HSG A
1,546	98		Unconnected roofs, HSG A
71,125	73	72	Weighted Average, UI Adjusted
65,882			92.63% Pervious Area
5,243			7.37% Impervious Area
5,243			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.7	50	0.0200	0.15		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
1.4	68	0.0140	0.83		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
0.4	57	0.1200	2.42		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
0.9	26	0.0100	0.50		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
8.4	201	Total			

Subcatchment 84S: P2AA



Summary for Subcatchment 85S: (new Subcat)

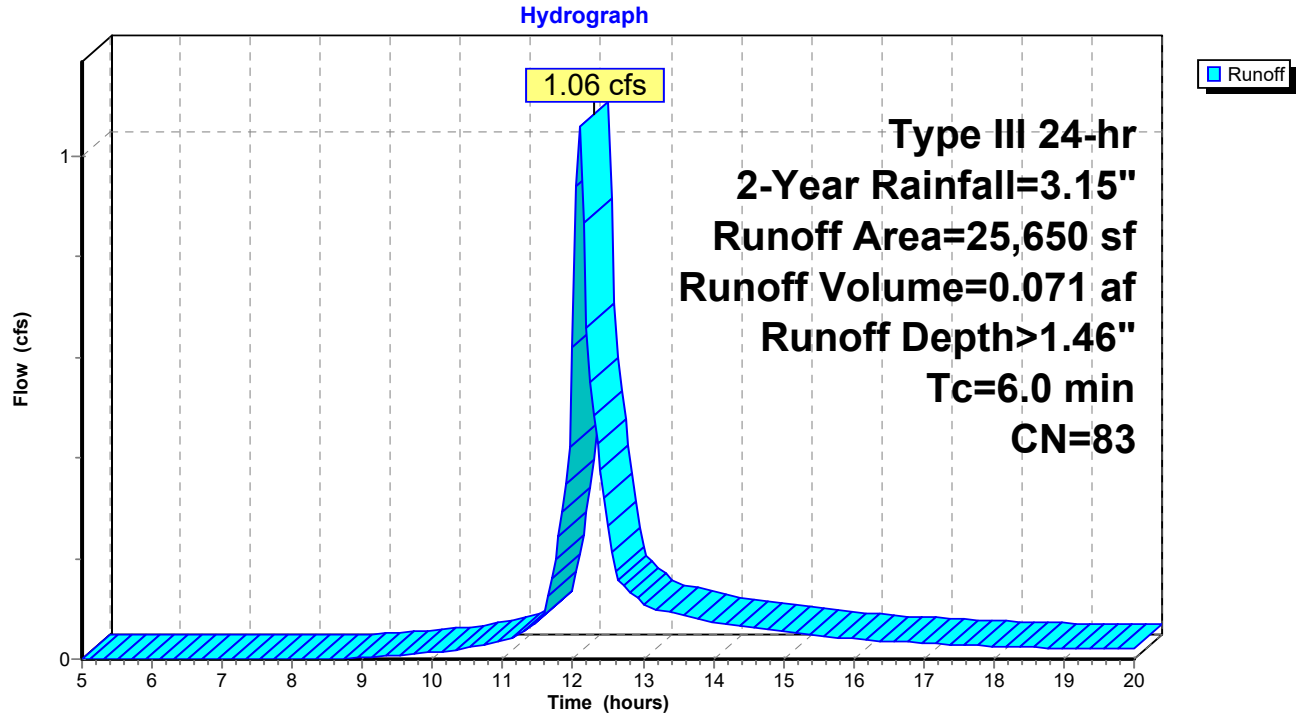
Runoff = 1.06 cfs @ 12.09 hrs, Volume= 0.071 af, Depth> 1.46"
Routed to Pond 86P : Sub. Inf. 6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
5,553	98	Roofs, HSG C
3,904	98	Unconnected pavement, HSG C
16,193	74	>75% Grass cover, Good, HSG C
25,650	83	Weighted Average
16,193		63.13% Pervious Area
9,457		36.87% Impervious Area
3,904		41.28% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 85S: (new Subcat)



Summary for Subcatchment 86S: P3TT

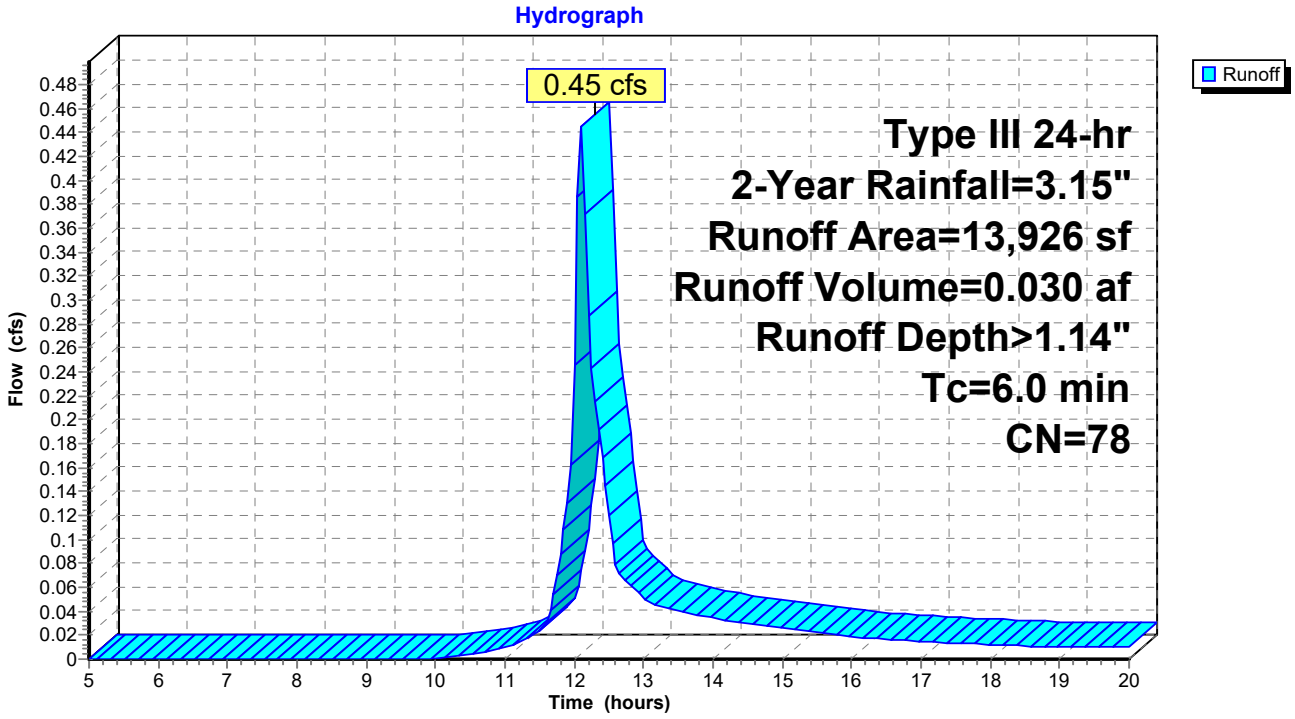
Runoff = 0.45 cfs @ 12.10 hrs, Volume= 0.030 af, Depth> 1.14"
Routed to Pond 140P : CB 31

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
956	98	Unconnected roofs, HSG C
672	74	>75% Grass cover, Good, HSG C
4,346	39	>75% Grass cover, Good, HSG A
1,468	98	Unconnected roofs, HSG A
6,484	98	Paved parking, HSG A
13,926	78	Weighted Average
5,018		36.03% Pervious Area
8,908		63.97% Impervious Area
2,424		27.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 86S: P3TT



Summary for Subcatchment 87S: P3A

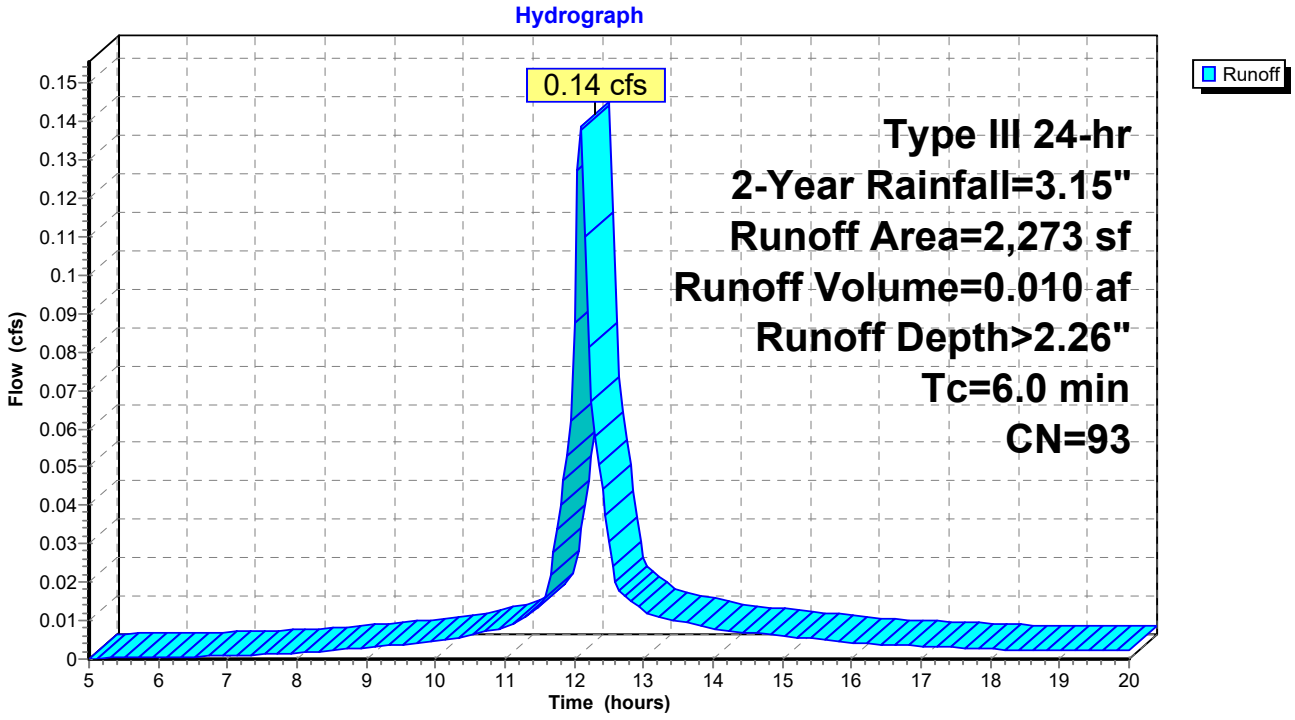
Runoff = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af, Depth> 2.26"
Routed to Pond 89P : CB 74

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
450	74	>75% Grass cover, Good, HSG C
1,823	98	Paved parking, HSG C
2,273	93	Weighted Average
450		19.80% Pervious Area
1,823		80.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 87S: P3A



Summary for Subcatchment 88S: P3B

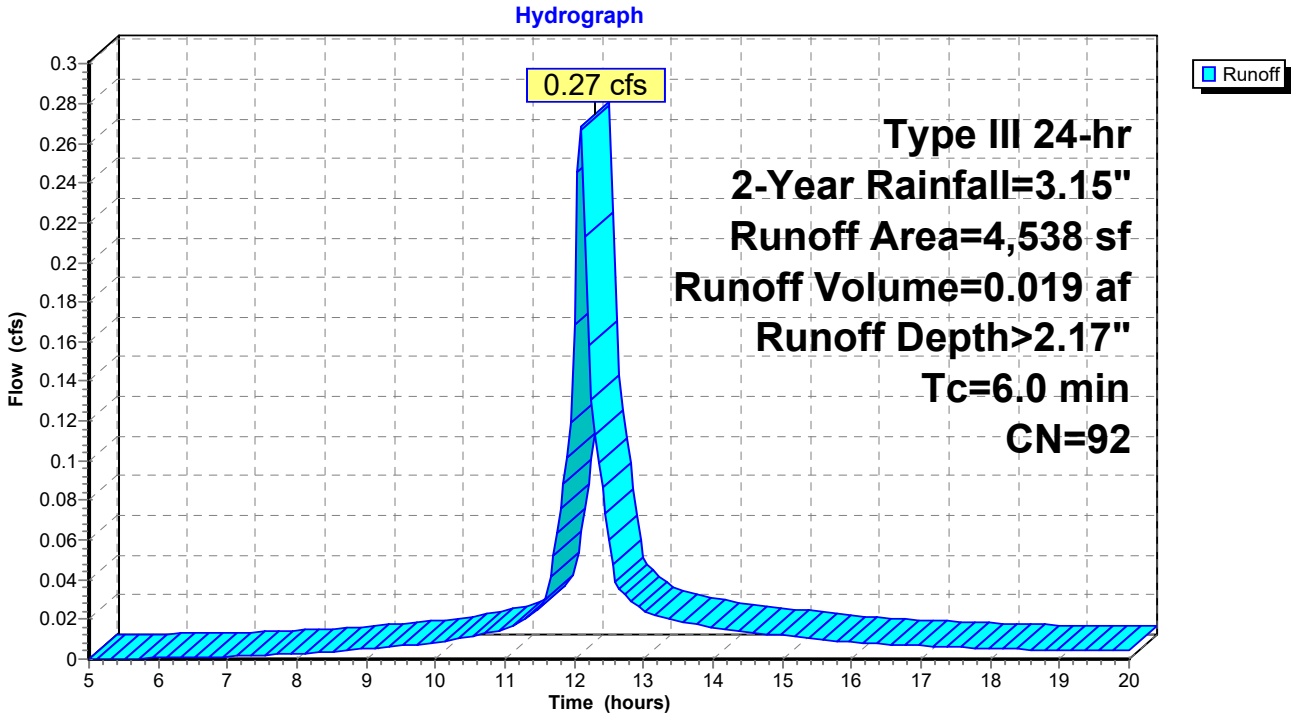
Runoff = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af, Depth> 2.17"
Routed to Pond 90P : CB 75

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,048	74	>75% Grass cover, Good, HSG C
1,562	98	Unconnected roofs, HSG C
1,928	98	Paved parking, HSG C
4,538	92	Weighted Average
1,048		23.09% Pervious Area
3,490		76.91% Impervious Area
1,562		44.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 88S: P3B



Summary for Subcatchment 89S: P3AAA

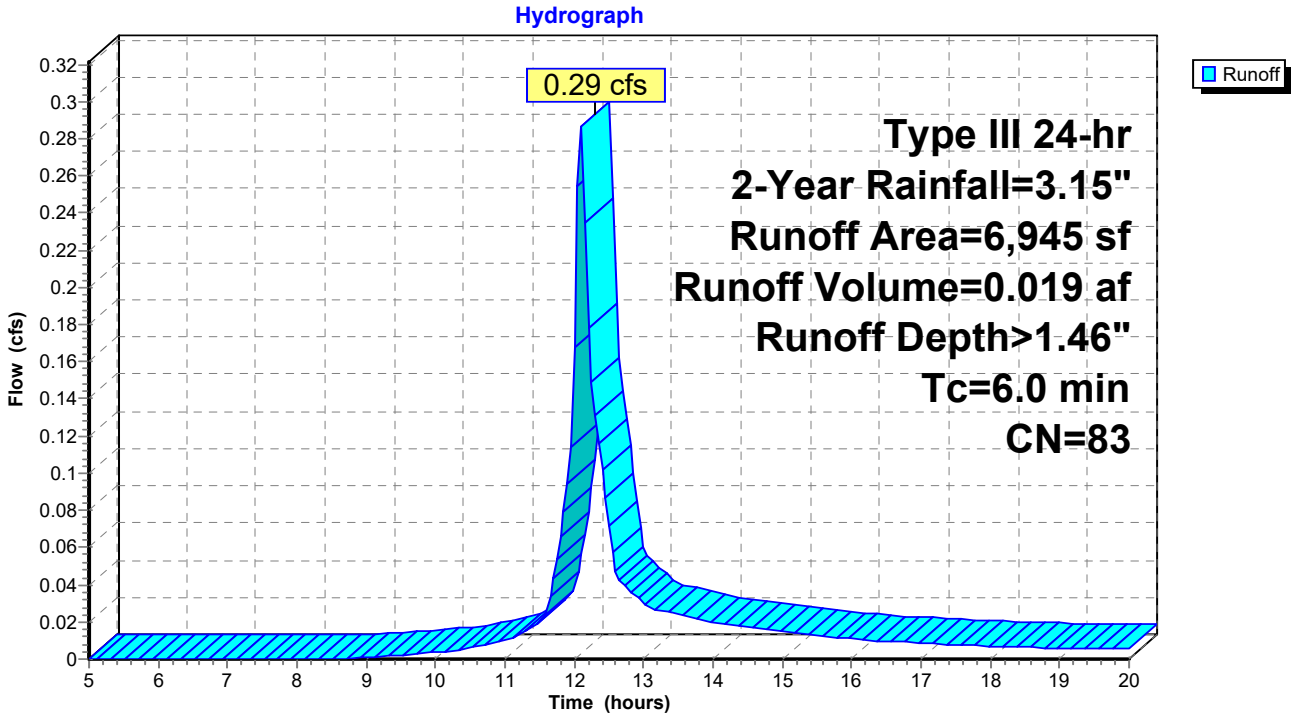
Runoff = 0.29 cfs @ 12.09 hrs, Volume= 0.019 af, Depth> 1.46"
Routed to Pond 151P : CB 22

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,761	39	>75% Grass cover, Good, HSG A
5,184	98	Paved parking, HSG A
6,945	83	Weighted Average
1,761		25.36% Pervious Area
5,184		74.64% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 89S: P3AAA



Summary for Subcatchment 90S: P3BBB

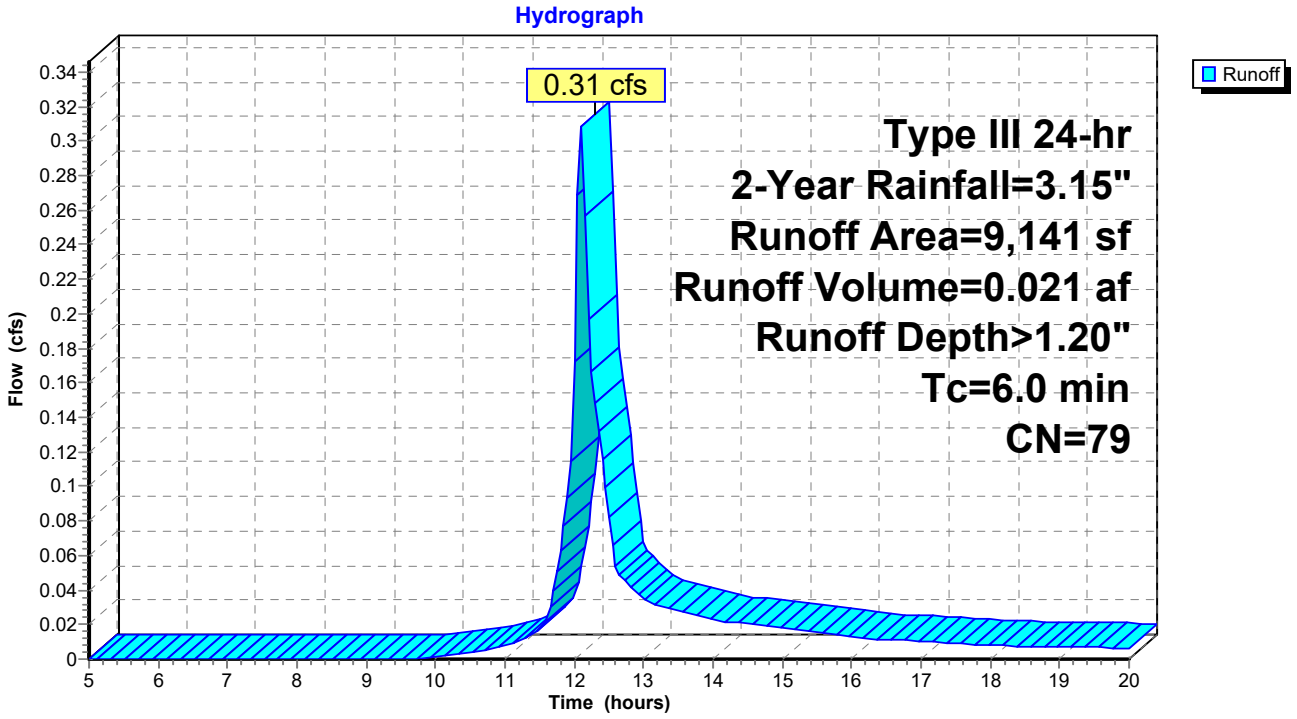
Runoff = 0.31 cfs @ 12.10 hrs, Volume= 0.021 af, Depth> 1.20"
Routed to Pond 152P : CB 23

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,961	39	>75% Grass cover, Good, HSG A
2,084	98	Unconnected roofs, HSG A
4,096	98	Paved parking, HSG A
9,141	79	Weighted Average
2,961		32.39% Pervious Area
6,180		67.61% Impervious Area
2,084		33.72% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 90S: P3BBB



Summary for Subcatchment 91S: P3GGG

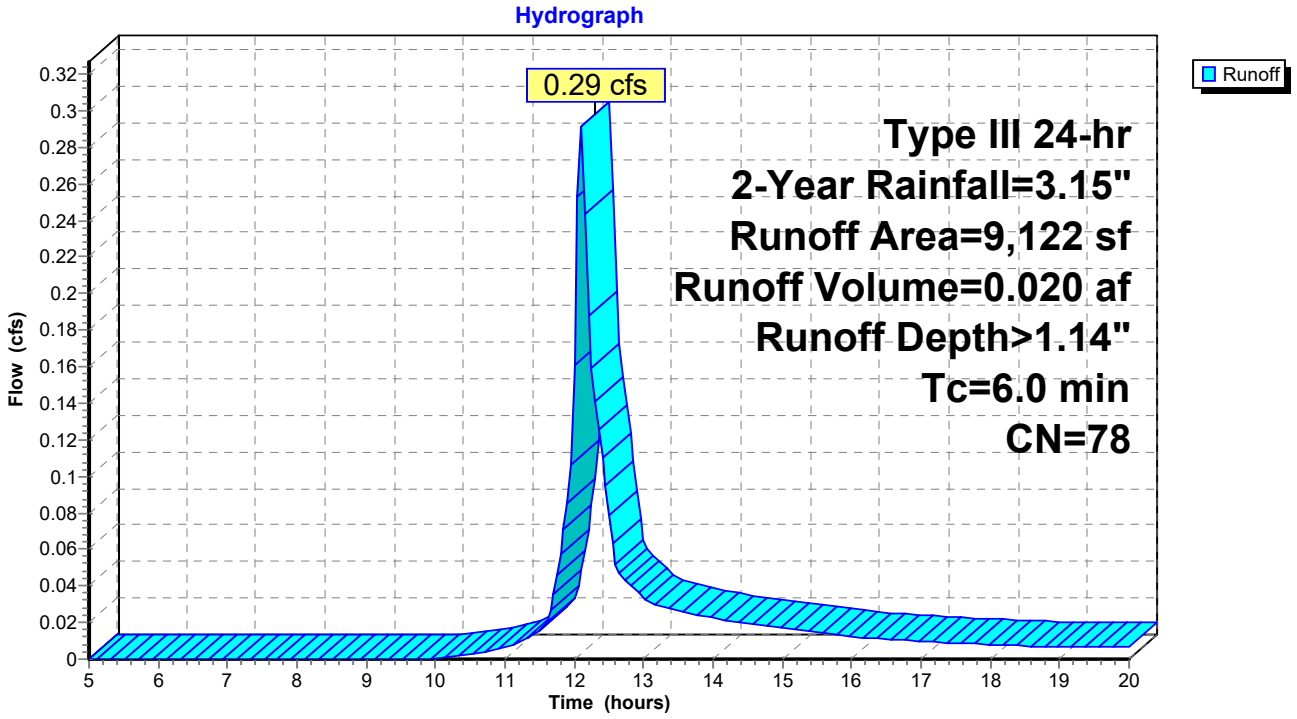
Runoff = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af, Depth> 1.14"
Routed to Pond 165P : CB 19

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,041	39	>75% Grass cover, Good, HSG A
3,271	98	Unconnected roofs, HSG A
2,810	98	Paved parking, HSG A
9,122	78	Weighted Average
3,041		33.34% Pervious Area
6,081		66.66% Impervious Area
3,271		53.79% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 91S: P3GGG



Summary for Subcatchment 92S: P3C

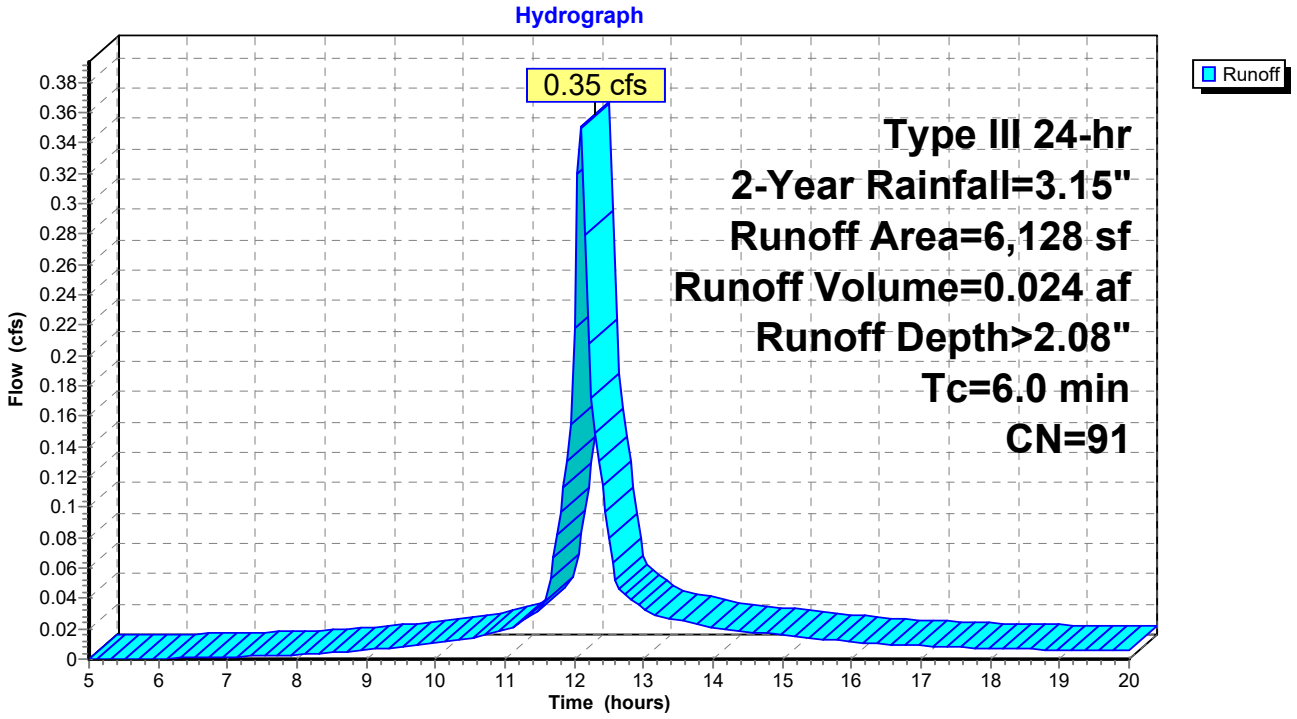
Runoff = 0.35 cfs @ 12.09 hrs, Volume= 0.024 af, Depth> 2.08"
Routed to Pond 95P : CB 76

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,796	74	>75% Grass cover, Good, HSG C
348	98	Unconnected roofs, HSG C
3,984	98	Paved parking, HSG C
6,128	91	Weighted Average
1,796		29.31% Pervious Area
4,332		70.69% Impervious Area
348		8.03% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 92S: P3C



Summary for Subcatchment 93S: P3D

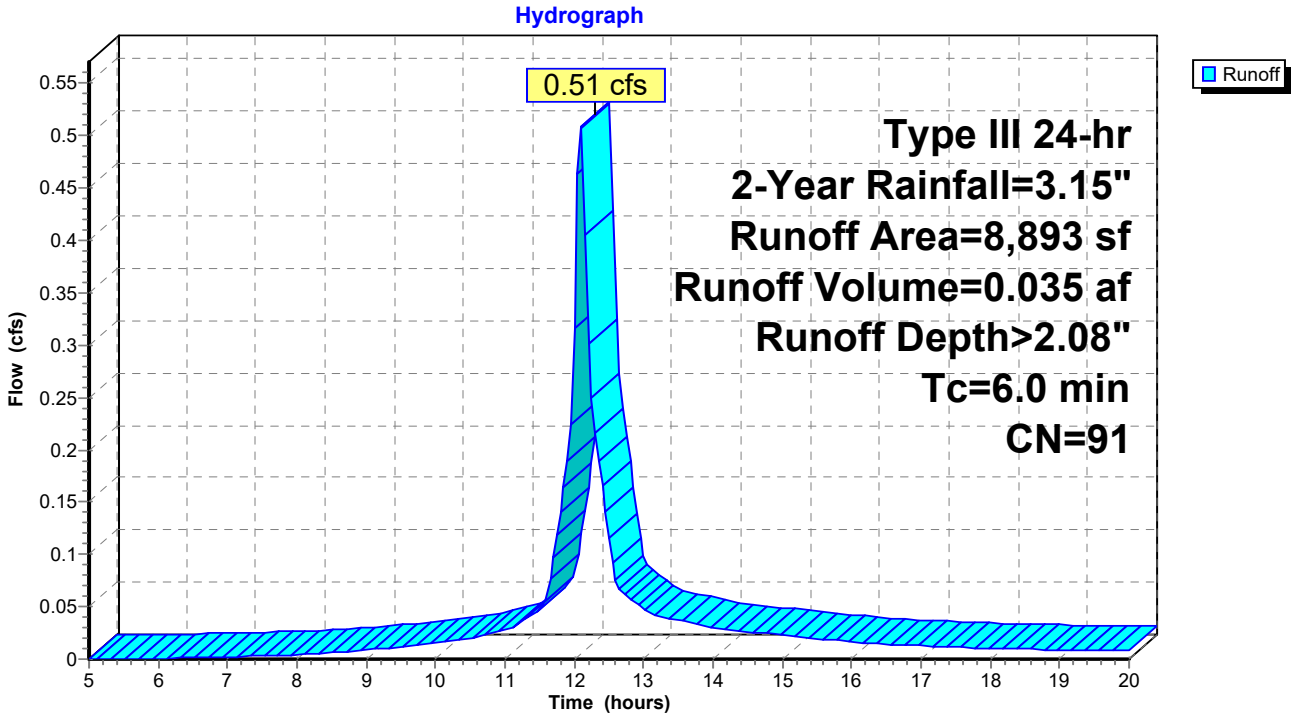
Runoff = 0.51 cfs @ 12.09 hrs, Volume= 0.035 af, Depth> 2.08"
Routed to Pond 94P : CB 77

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,560	74	>75% Grass cover, Good, HSG C
1,771	98	Unconnected roofs, HSG C
4,562	98	Paved parking, HSG C
8,893	91	Weighted Average
2,560		28.79% Pervious Area
6,333		71.21% Impervious Area
1,771		27.96% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 93S: P3D



Summary for Subcatchment 94S: P3HHH

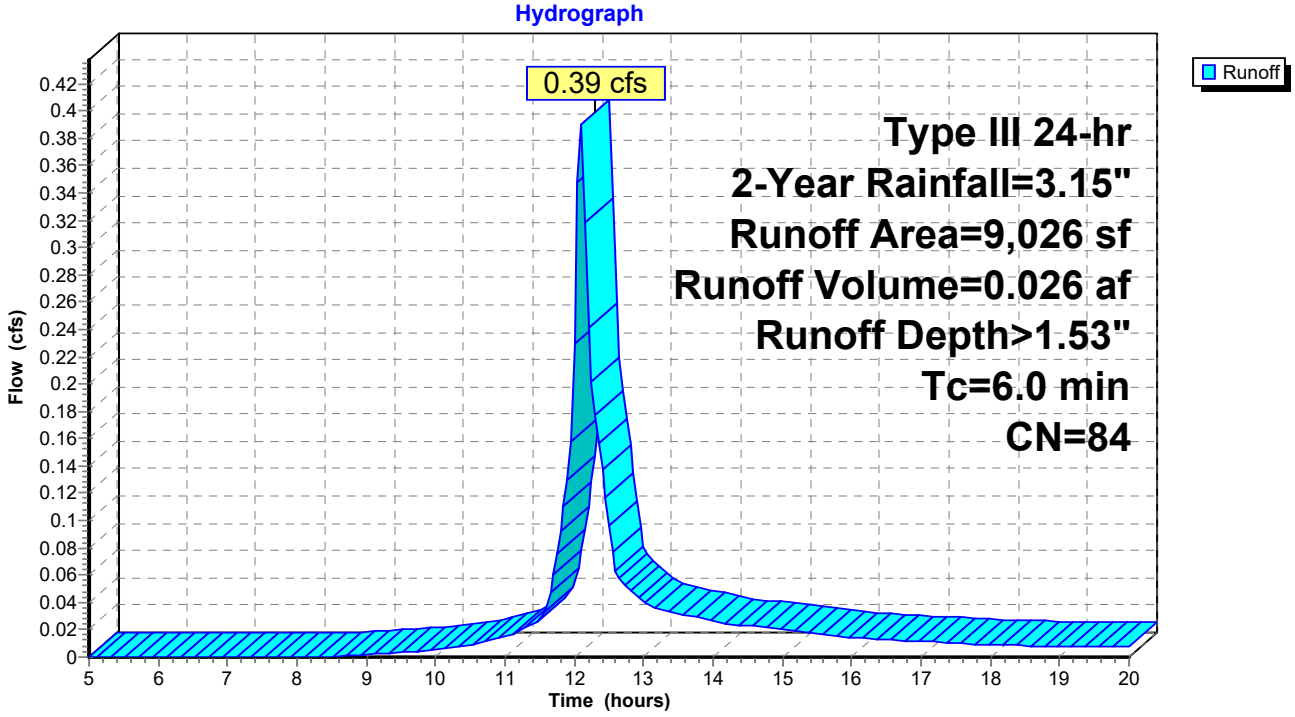
Runoff = 0.39 cfs @ 12.09 hrs, Volume= 0.026 af, Depth> 1.53"
Routed to Pond 154P : CB 18

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,098	39	>75% Grass cover, Good, HSG A
3,837	98	Unconnected roofs, HSG A
3,091	98	Paved parking, HSG A
9,026	84	Weighted Average
2,098		23.24% Pervious Area
6,928		76.76% Impervious Area
3,837		55.38% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 94S: P3HHH



Summary for Subcatchment 95S: P2X

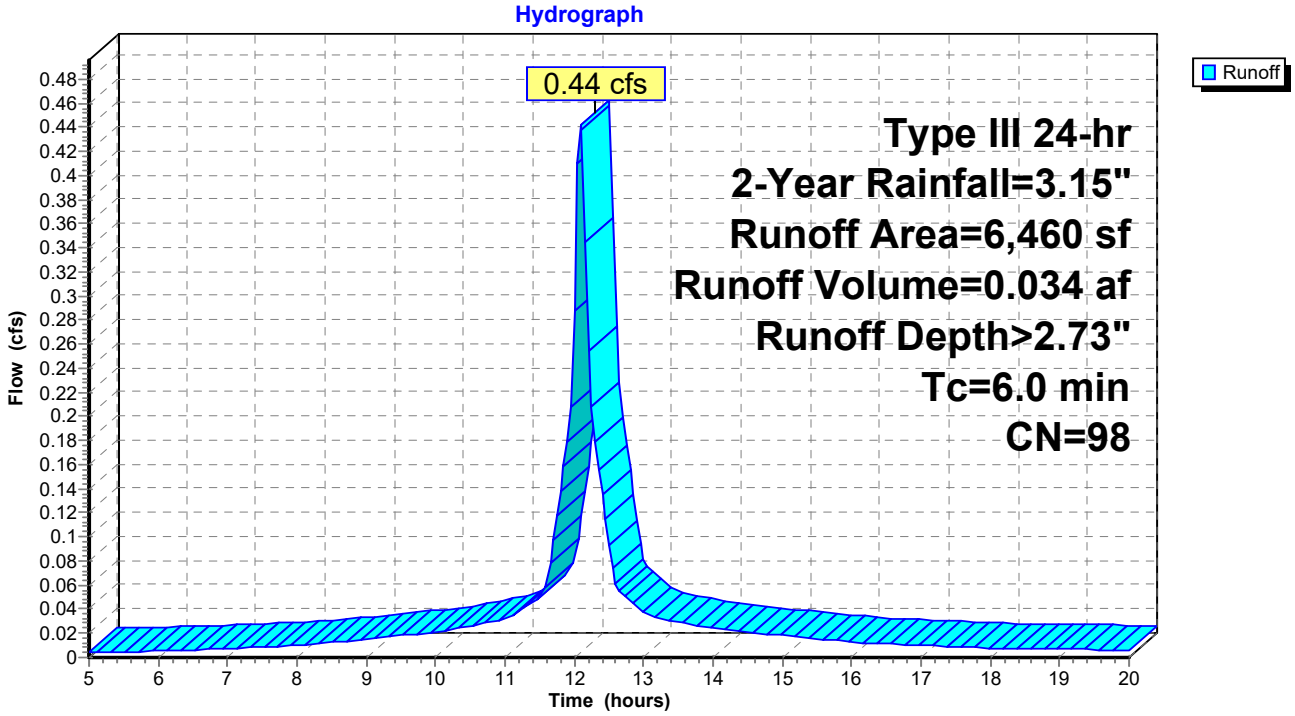
Runoff = 0.44 cfs @ 12.09 hrs, Volume= 0.034 af, Depth> 2.73"
Routed to Pond 79P : DMH 51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
6,460	98	Paved parking, HSG C
6,460		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 95S: P2X



Summary for Subcatchment 97S: P3G

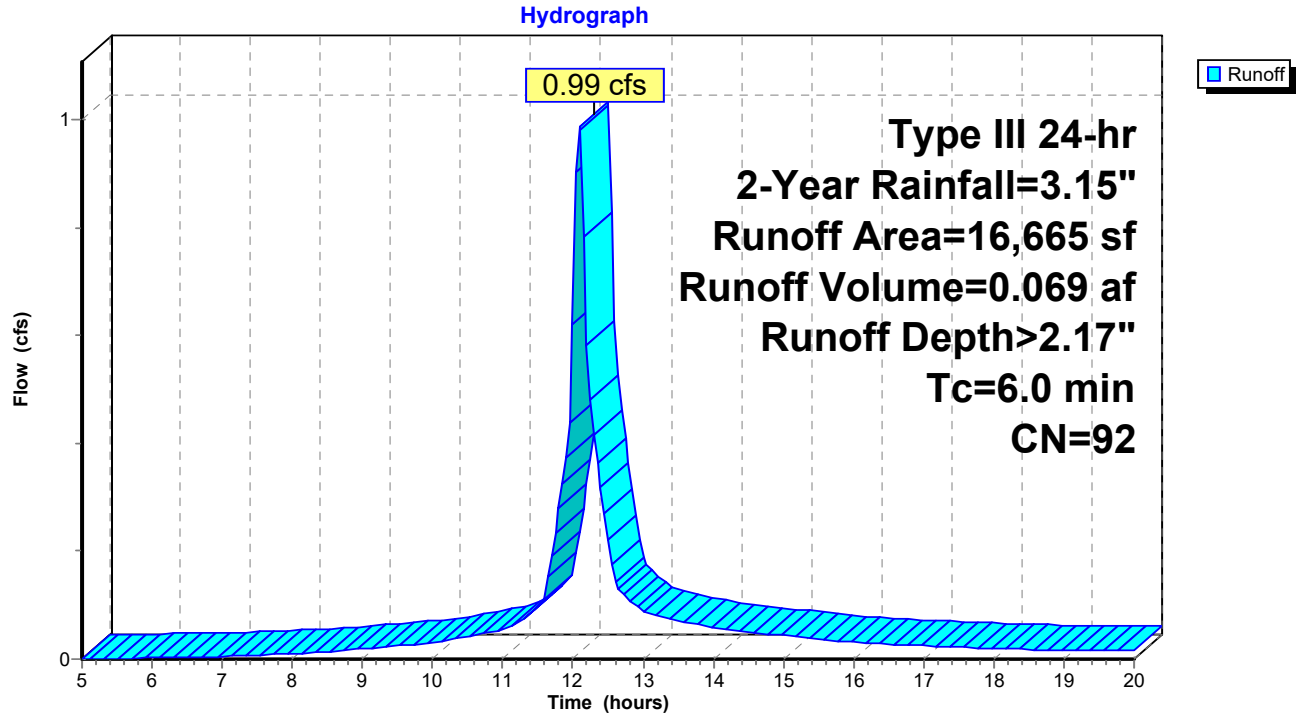
Runoff = 0.99 cfs @ 12.09 hrs, Volume= 0.069 af, Depth> 2.17"
Routed to Pond 100P : CB 80

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
4,471	74	>75% Grass cover, Good, HSG C
3,720	98	Unconnected roofs, HSG C
8,474	98	Paved parking, HSG C
16,665	92	Weighted Average
4,471		26.83% Pervious Area
12,194		73.17% Impervious Area
3,720		30.51% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 97S: P3G



Summary for Subcatchment 98S: P3H

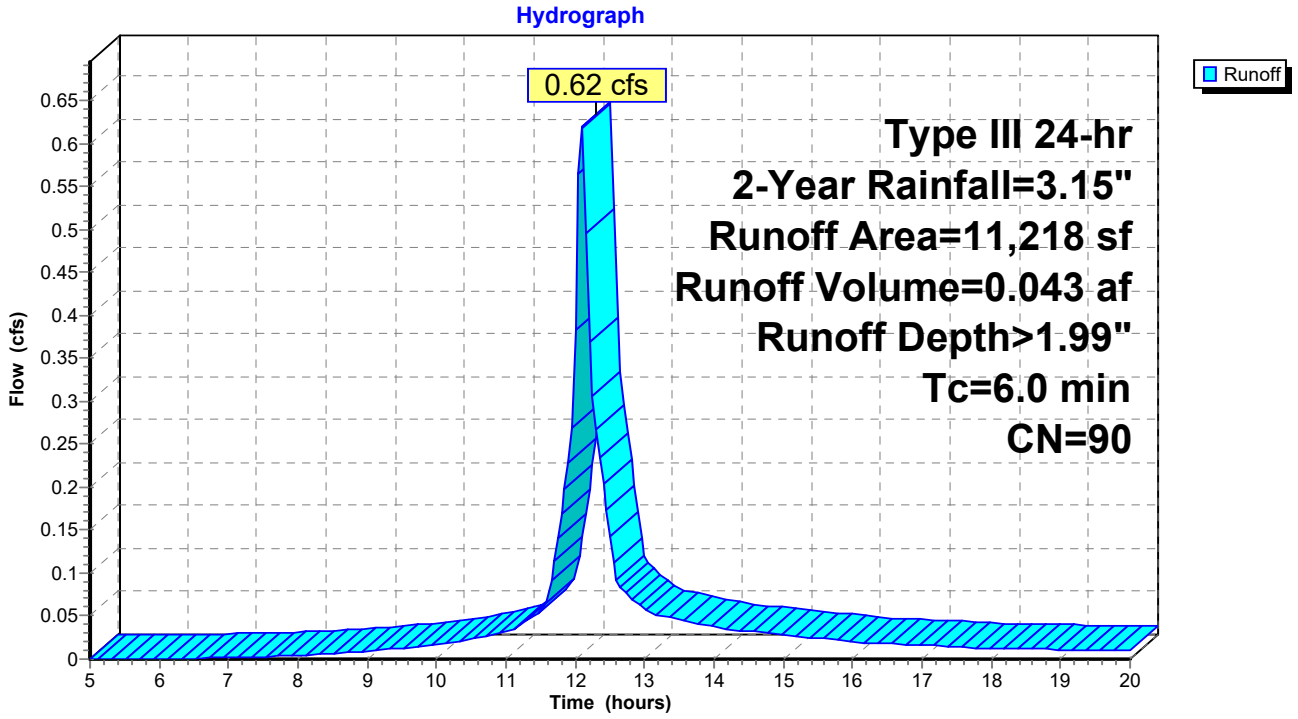
Runoff = 0.62 cfs @ 12.09 hrs, Volume= 0.043 af, Depth> 1.99"
Routed to Pond 99P : CB 81

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,581	74	>75% Grass cover, Good, HSG C
2,279	98	Unconnected roofs, HSG C
5,358	98	Paved parking, HSG C
11,218	90	Weighted Average
3,581		31.92% Pervious Area
7,637		68.08% Impervious Area
2,279		29.84% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 98S: P3H



Summary for Subcatchment 102S: P3J

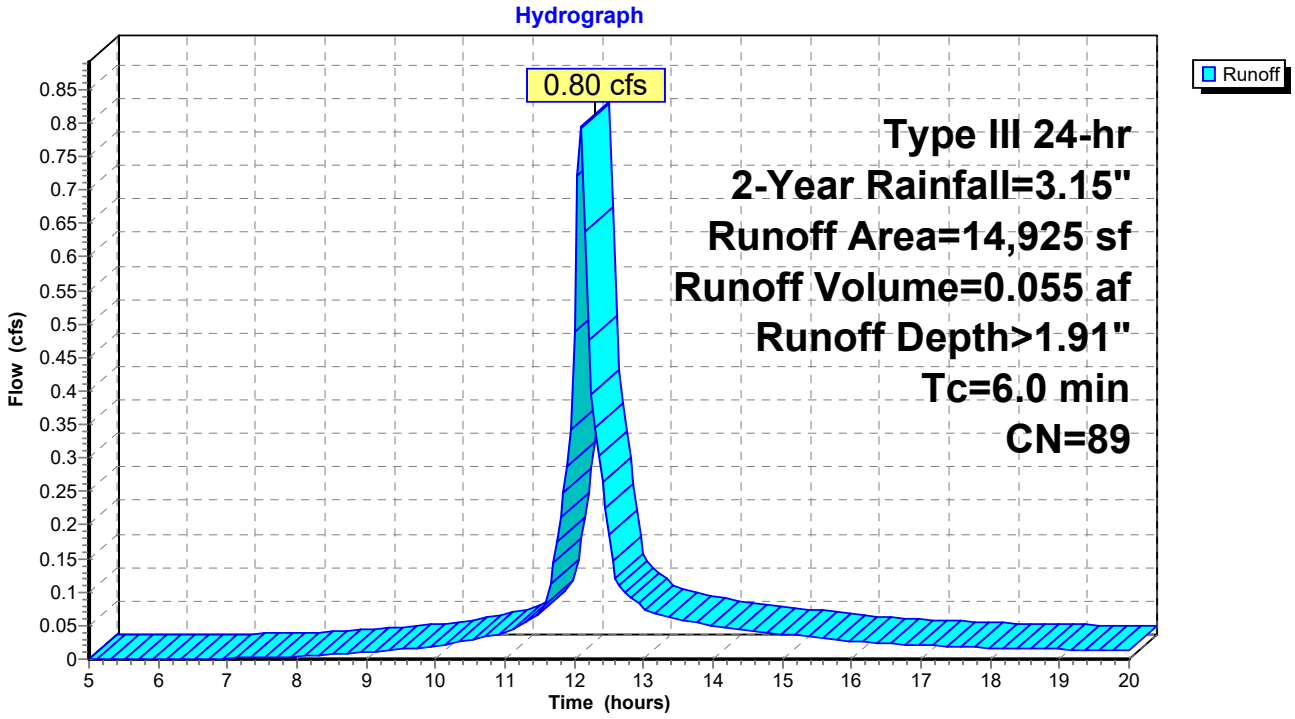
Runoff = 0.80 cfs @ 12.09 hrs, Volume= 0.055 af, Depth> 1.91"
Routed to Pond 104P : CB 83

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
5,342	74	>75% Grass cover, Good, HSG C
2,771	98	Unconnected roofs, HSG C
6,812	98	Paved parking, HSG C
14,925	89	Weighted Average
5,342		35.79% Pervious Area
9,583		64.21% Impervious Area
2,771		28.92% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 102S: P3J



Summary for Subcatchment 103S: P3I

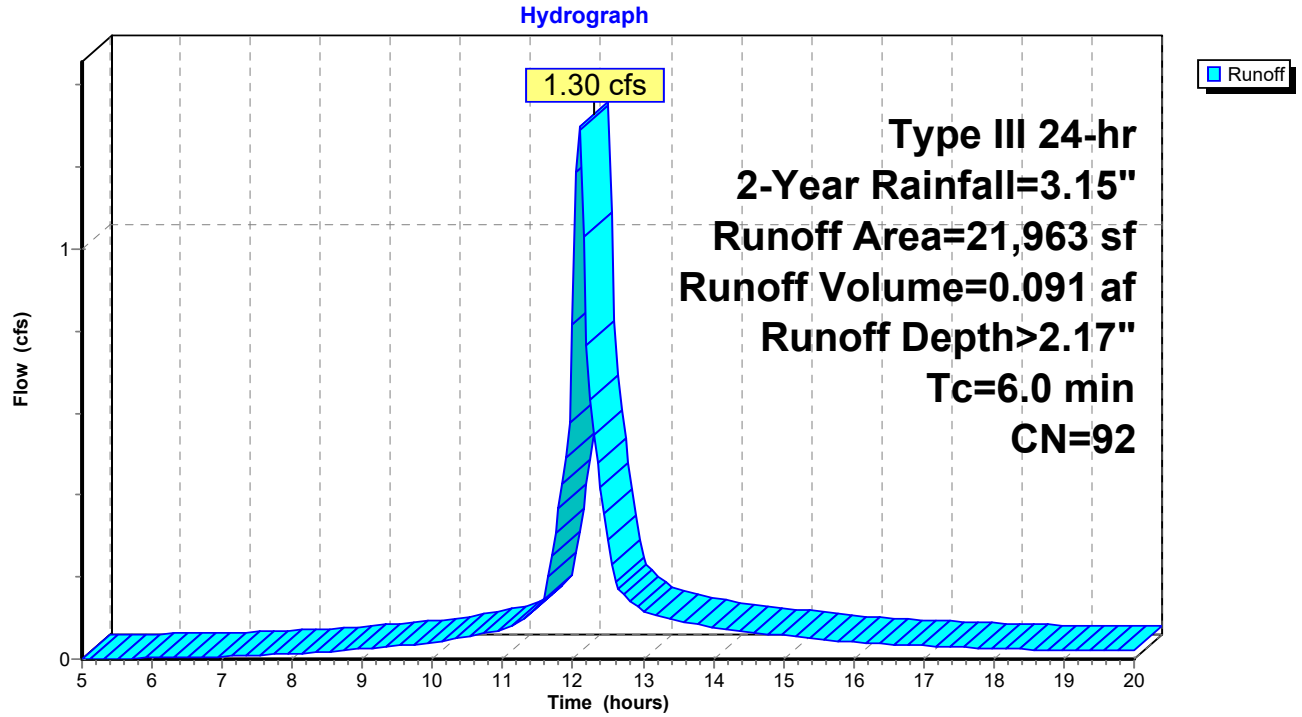
Runoff = 1.30 cfs @ 12.09 hrs, Volume= 0.091 af, Depth> 2.17"
Routed to Pond 105P : CB 82

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
5,534	74	>75% Grass cover, Good, HSG C
6,057	98	Unconnected roofs, HSG C
10,372	98	Paved parking, HSG C
21,963	92	Weighted Average
5,534		25.20% Pervious Area
16,429		74.80% Impervious Area
6,057		36.87% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 103S: P3I



Summary for Subcatchment 107S: P3E

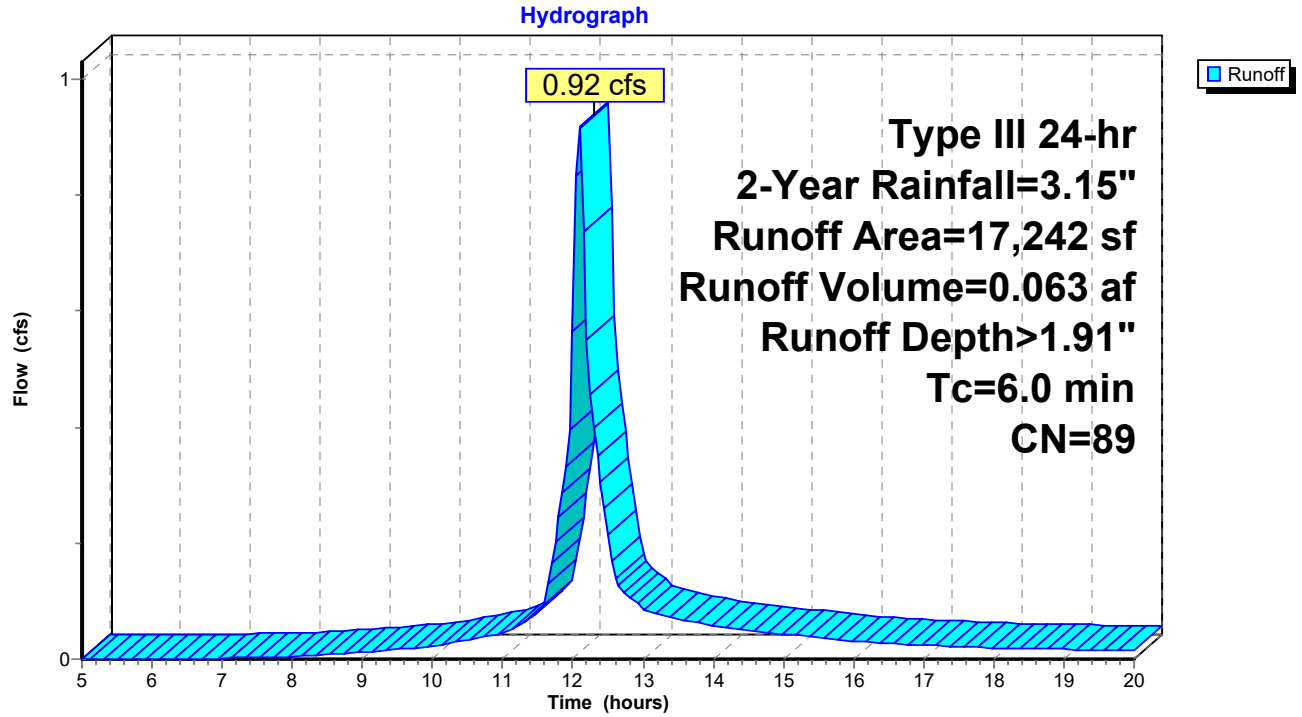
Runoff = 0.92 cfs @ 12.09 hrs, Volume= 0.063 af, Depth> 1.91"
Routed to Pond 110P : CB 78

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
6,163	74	>75% Grass cover, Good, HSG C
2,724	98	Unconnected roofs, HSG C
8,355	98	Paved parking, HSG C
17,242	89	Weighted Average
6,163		35.74% Pervious Area
11,079		64.26% Impervious Area
2,724		24.59% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 107S: P3E



Summary for Subcatchment 108S: P3F

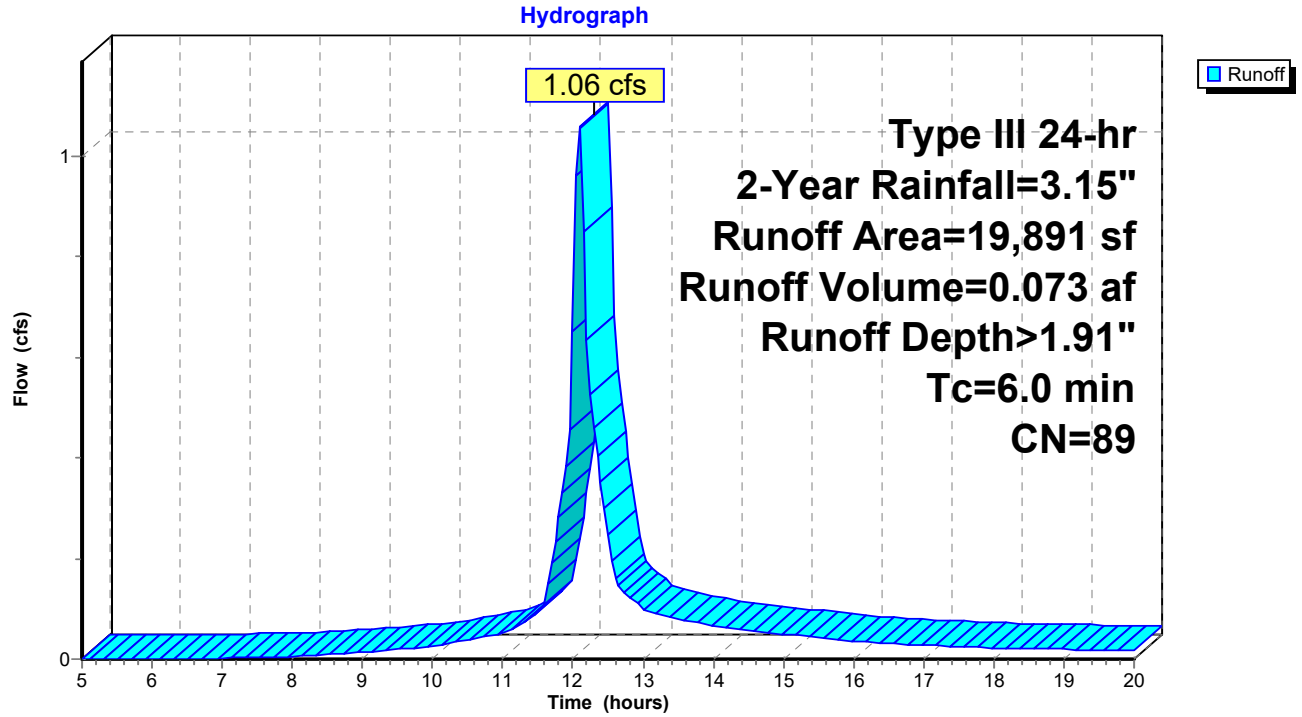
Runoff = 1.06 cfs @ 12.09 hrs, Volume= 0.073 af, Depth> 1.91"
Routed to Pond 109P : CB 79

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
7,073	74	>75% Grass cover, Good, HSG C
5,397	98	Unconnected roofs, HSG C
7,421	98	Paved parking, HSG C
19,891	89	Weighted Average
7,073		35.56% Pervious Area
12,818		64.44% Impervious Area
5,397		42.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 108S: P3F



Summary for Subcatchment 109S: P3T

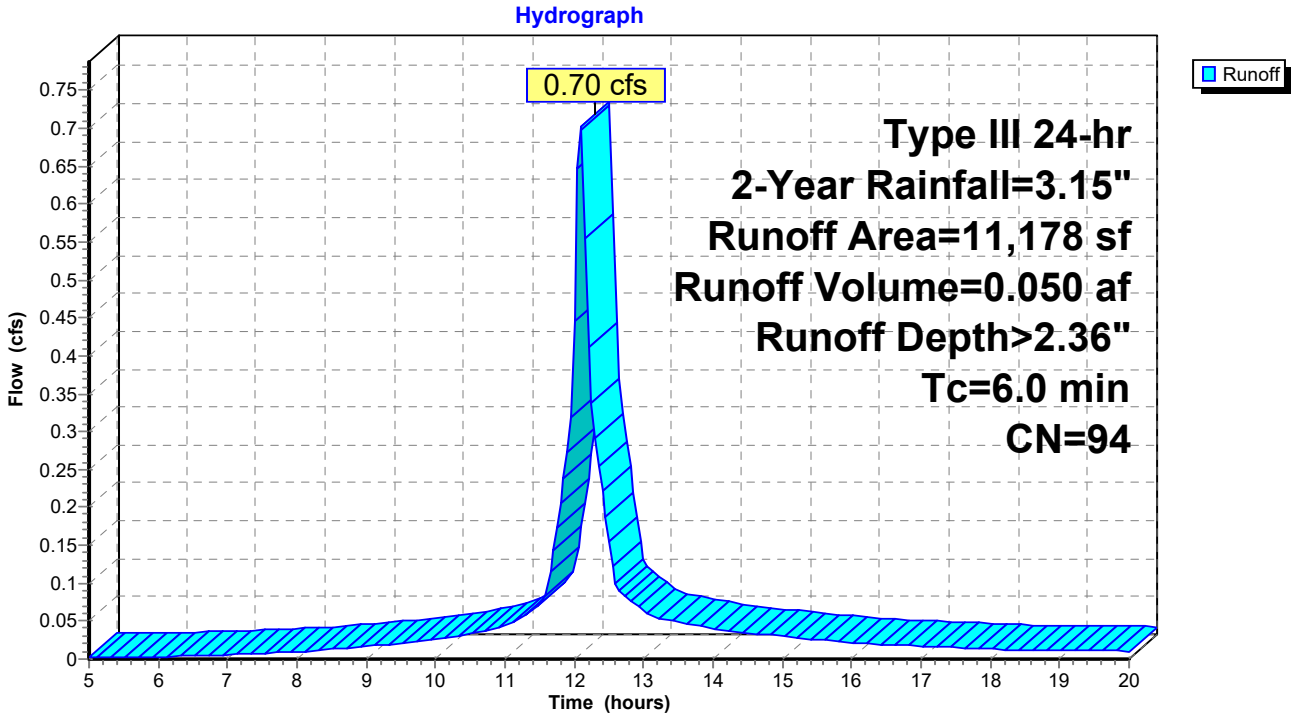
Runoff = 0.70 cfs @ 12.09 hrs, Volume= 0.050 af, Depth> 2.36"
Routed to Pond 116P : CB 90

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,856	74	>75% Grass cover, Good, HSG C
9,322	98	Paved parking, HSG C
11,178	94	Weighted Average
1,856		16.60% Pervious Area
9,322		83.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 109S: P3T



Summary for Subcatchment 110S: P3U

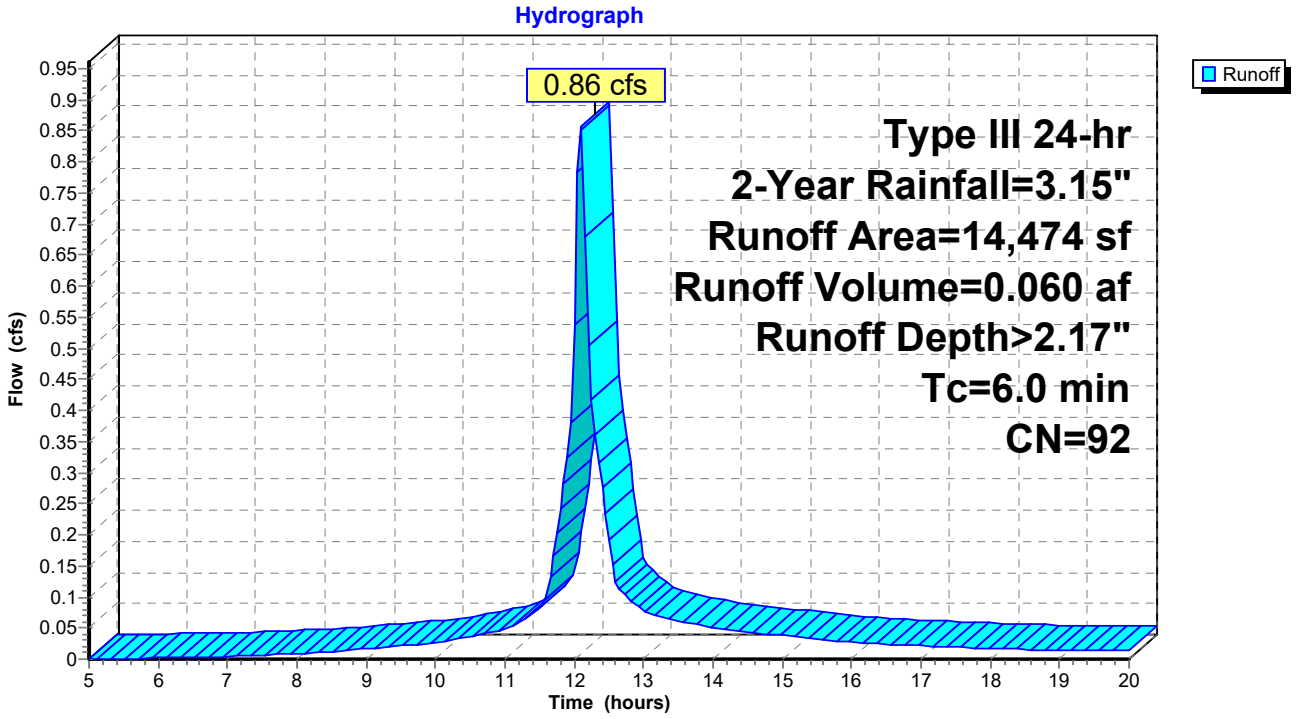
Runoff = 0.86 cfs @ 12.09 hrs, Volume= 0.060 af, Depth> 2.17"
Routed to Pond 115P : CB 91

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,423	74	>75% Grass cover, Good, HSG C
6,099	98	Unconnected roofs, HSG C
4,952	98	Paved parking, HSG C
14,474	92	Weighted Average
3,423		23.65% Pervious Area
11,051		76.35% Impervious Area
6,099		55.19% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 110S: P3U



Summary for Subcatchment 111S: P3V

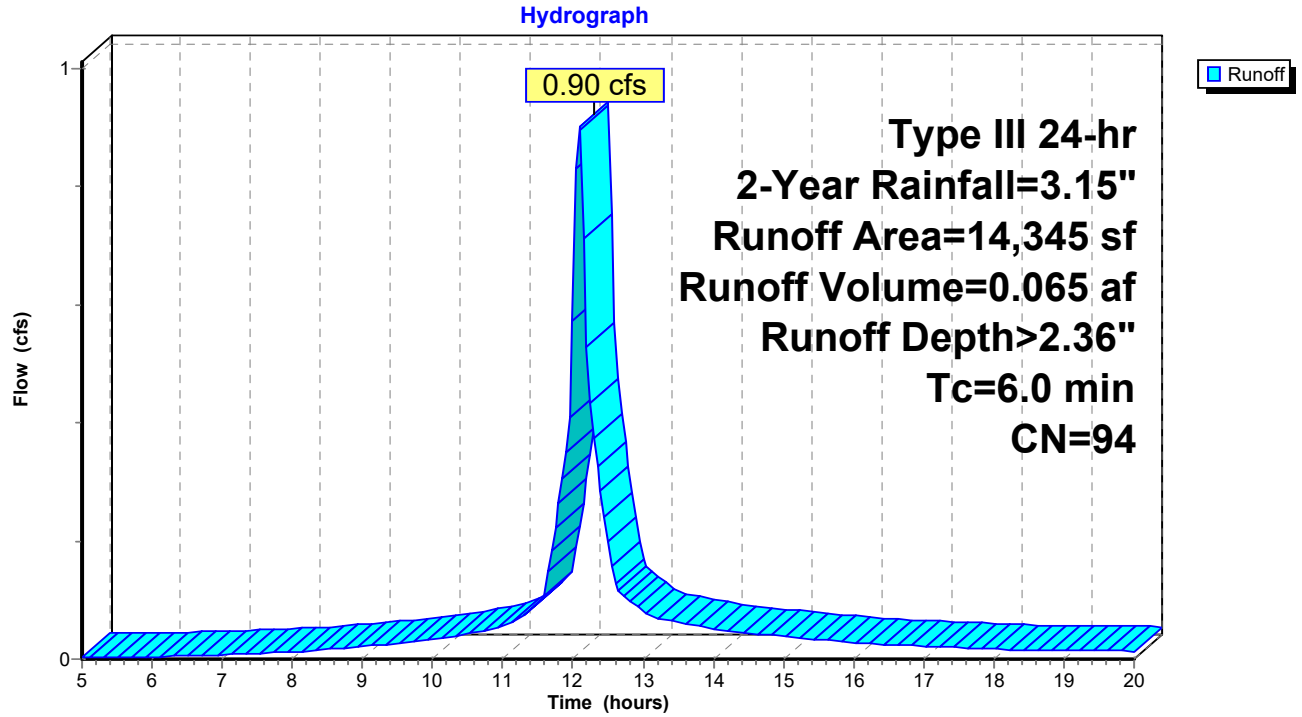
Runoff = 0.90 cfs @ 12.09 hrs, Volume= 0.065 af, Depth> 2.36"
Routed to Pond 114P : CB 94

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,512	74	>75% Grass cover, Good, HSG C
5,977	98	Unconnected roofs, HSG C
5,856	98	Paved parking, HSG C
14,345	94	Weighted Average
2,512		17.51% Pervious Area
11,833		82.49% Impervious Area
5,977		50.51% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 111S: P3V



Summary for Subcatchment 112S: P3W

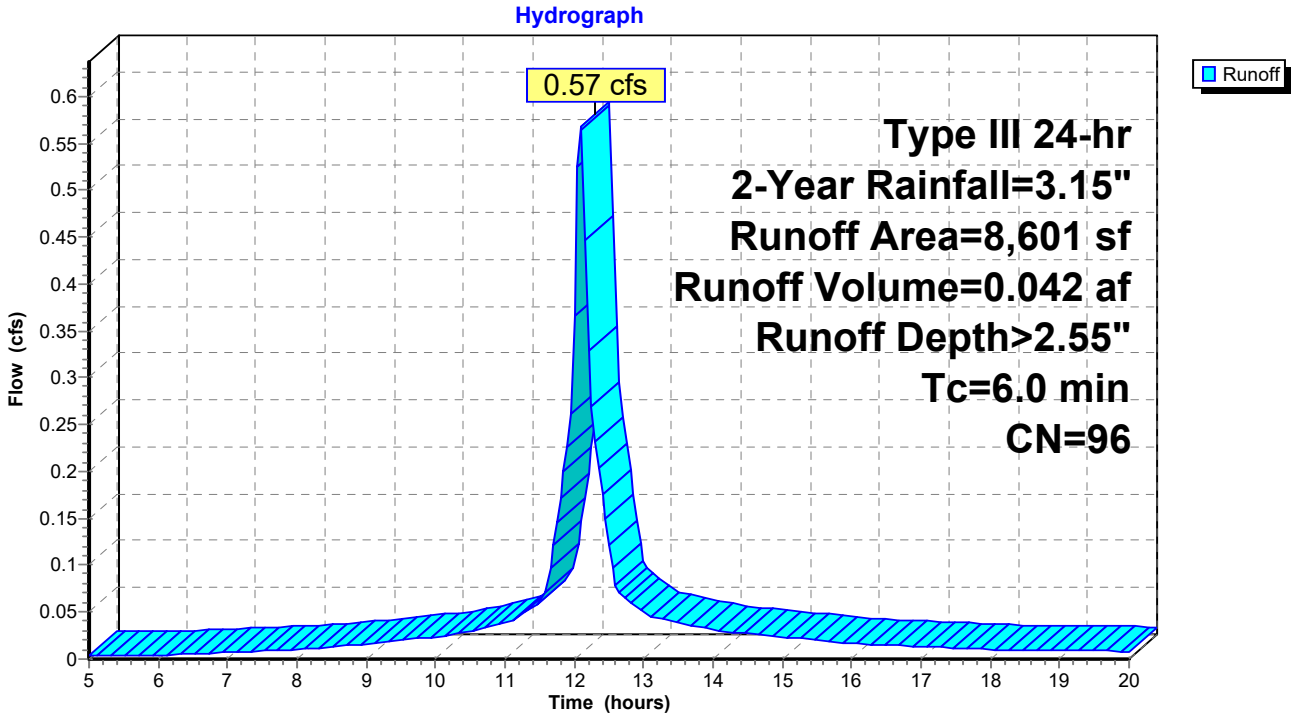
Runoff = 0.57 cfs @ 12.09 hrs, Volume= 0.042 af, Depth> 2.55"
Routed to Pond 113P : CB 95

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
719	74	>75% Grass cover, Good, HSG C
7,882	98	Paved parking, HSG C
8,601	96	Weighted Average
719		8.36% Pervious Area
7,882		91.64% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 112S: P3W



Summary for Subcatchment 125S: P3EE

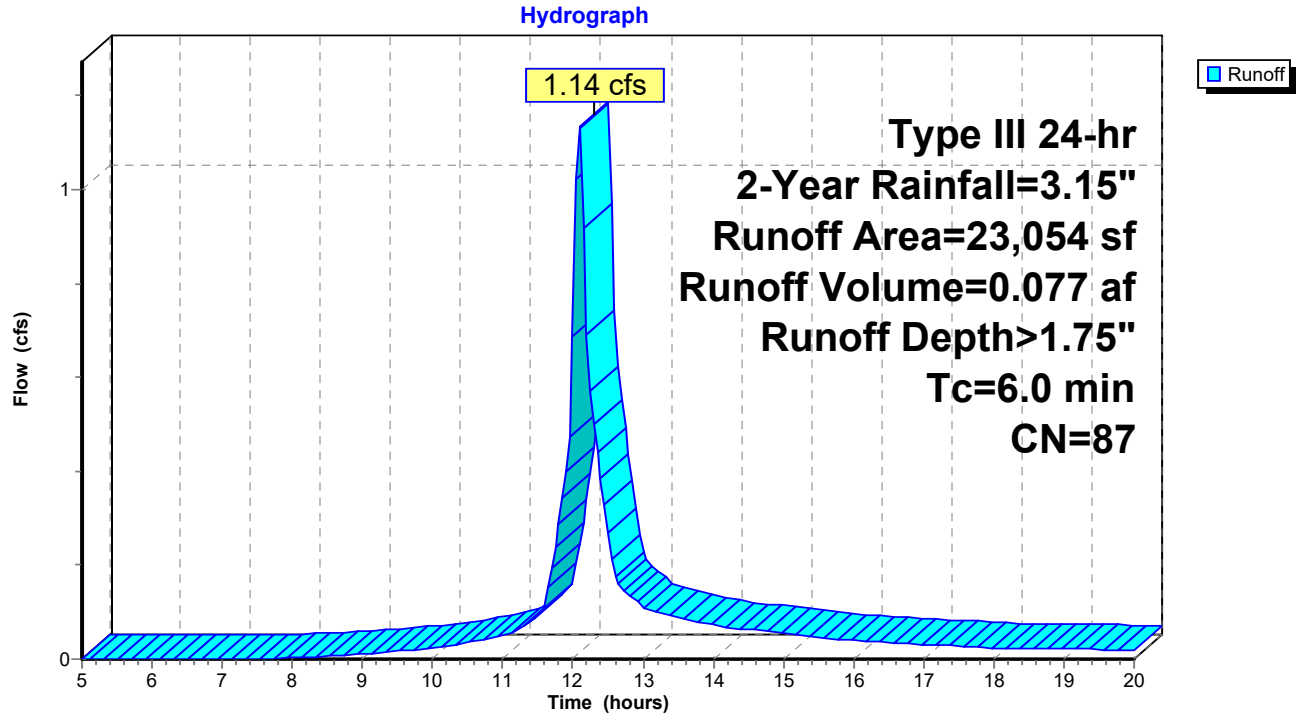
Runoff = 1.14 cfs @ 12.09 hrs, Volume= 0.077 af, Depth> 1.75"
Routed to Pond 130P : CB 32

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
4,338	39	>75% Grass cover, Good, HSG A
8,274	98	Unconnected roofs, HSG A
10,442	98	Paved parking, HSG A
23,054	87	Weighted Average
4,338		18.82% Pervious Area
18,716		81.18% Impervious Area
8,274		44.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 125S: P3EE



Summary for Subcatchment 126S: P3FF

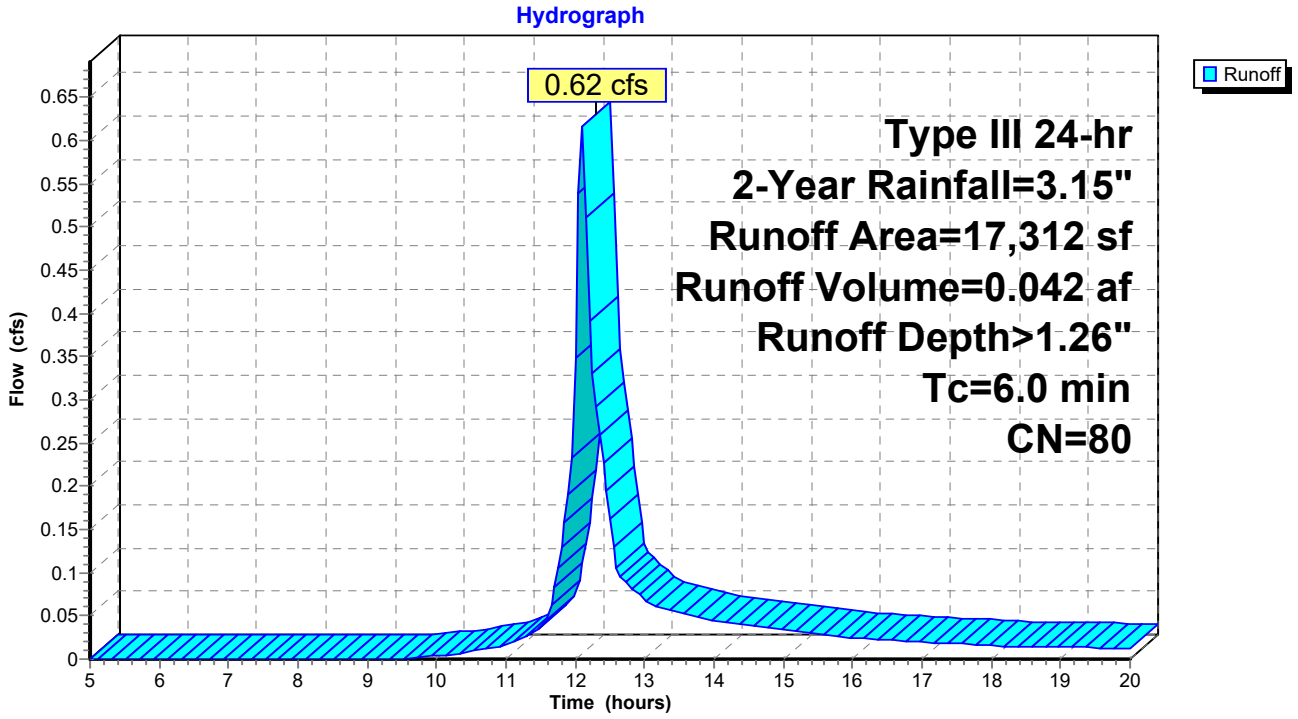
Runoff = 0.62 cfs @ 12.10 hrs, Volume= 0.042 af, Depth> 1.26"
Routed to Pond 129P : CB 34

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
5,177	39	>75% Grass cover, Good, HSG A
4,336	98	Unconnected roofs, HSG A
7,799	98	Paved parking, HSG A
17,312	80	Weighted Average
5,177		29.90% Pervious Area
12,135		70.10% Impervious Area
4,336		35.73% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 126S: P3FF



Summary for Subcatchment 127S: P3GG

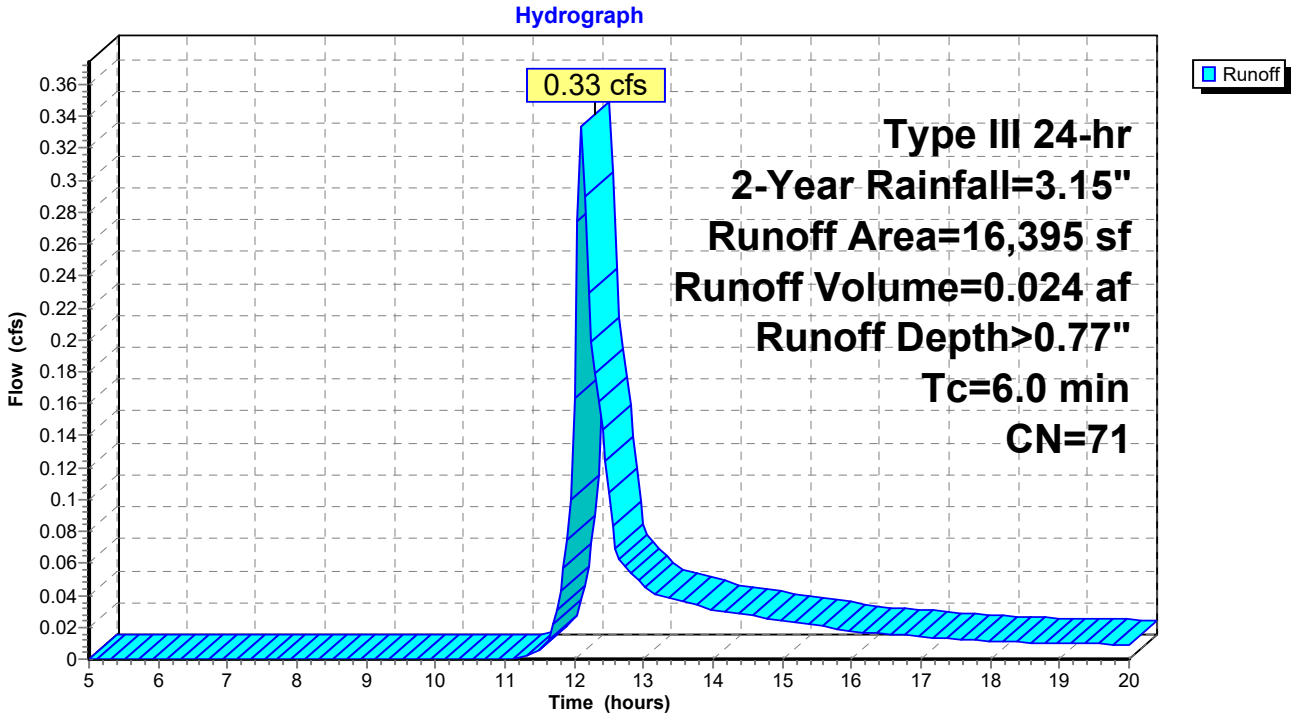
Runoff = 0.33 cfs @ 12.10 hrs, Volume= 0.024 af, Depth> 0.77"
Routed to Pond 132P : CB 33

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
7,617	39	>75% Grass cover, Good, HSG A
3,071	98	Unconnected roofs, HSG C
5,707	98	Paved parking, HSG A
16,395	71	Weighted Average
7,617		46.46% Pervious Area
8,778		53.54% Impervious Area
3,071		34.99% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 127S: P3GG



Summary for Subcatchment 128S: P3HH

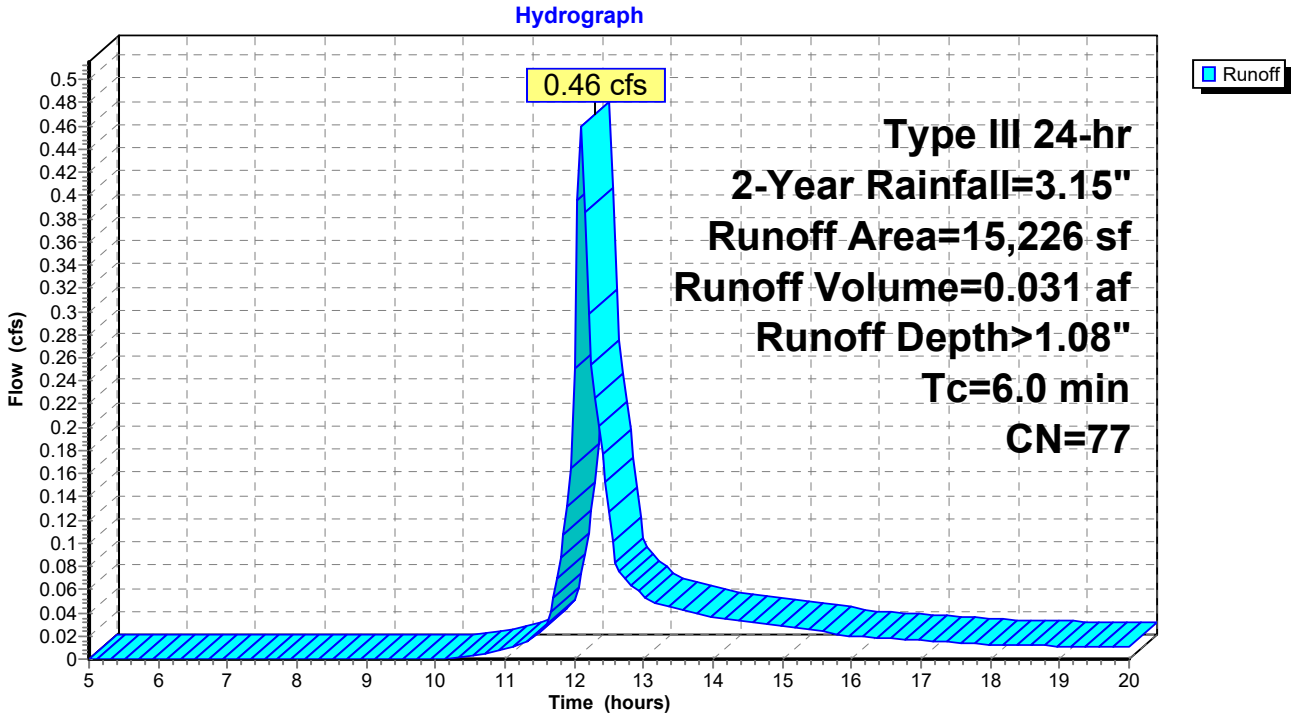
Runoff = 0.46 cfs @ 12.10 hrs, Volume= 0.031 af, Depth> 1.08"
Routed to Pond 131P : CB 35

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
5,501	39	>75% Grass cover, Good, HSG A
4,901	98	Unconnected roofs, HSG A
4,824	98	Paved parking, HSG A
15,226	77	Weighted Average
5,501		36.13% Pervious Area
9,725		63.87% Impervious Area
4,901		50.40% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 128S: P3HH



Summary for Subcatchment 129S: P3MM

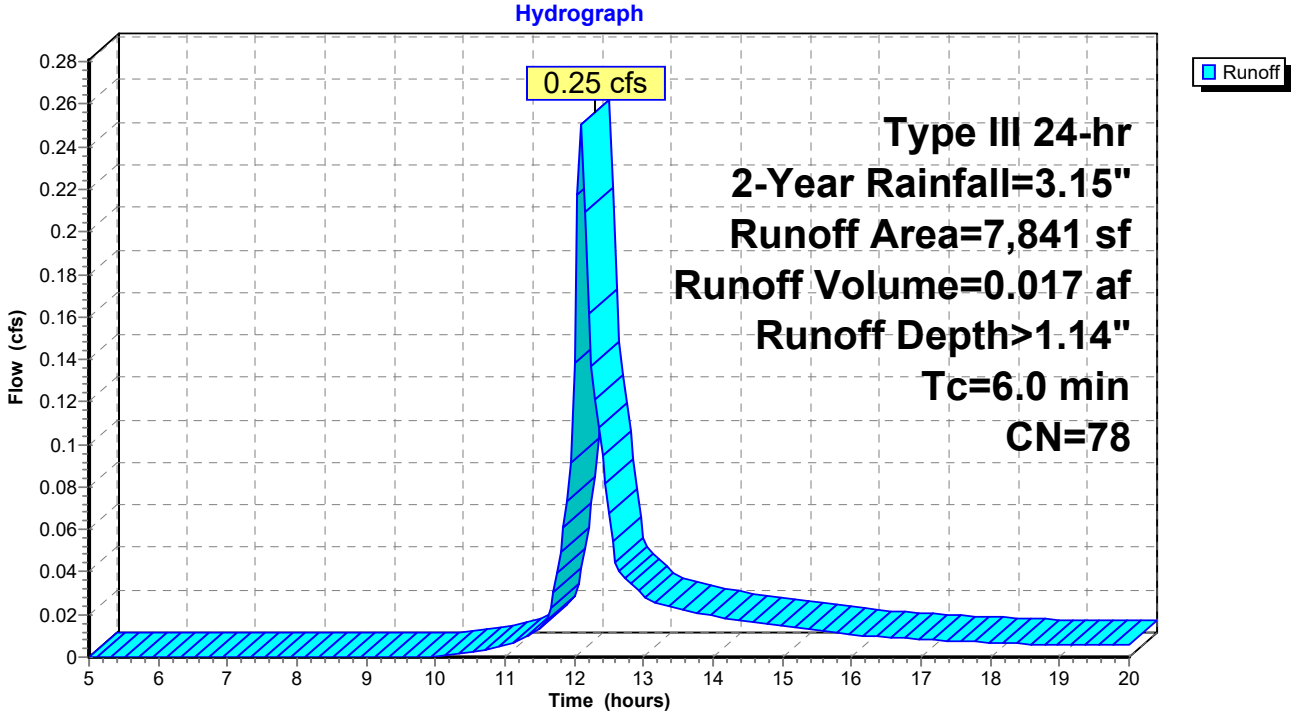
Runoff = 0.25 cfs @ 12.10 hrs, Volume= 0.017 af, Depth> 1.14"
Routed to Pond 136P : CB 38

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,648	39	>75% Grass cover, Good, HSG A
2,583	98	Unconnected roofs, HSG A
2,610	98	Paved parking, HSG A
7,841	78	Weighted Average
2,648		33.77% Pervious Area
5,193		66.23% Impervious Area
2,583		49.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 129S: P3MM



Summary for Subcatchment 130S: P3NN

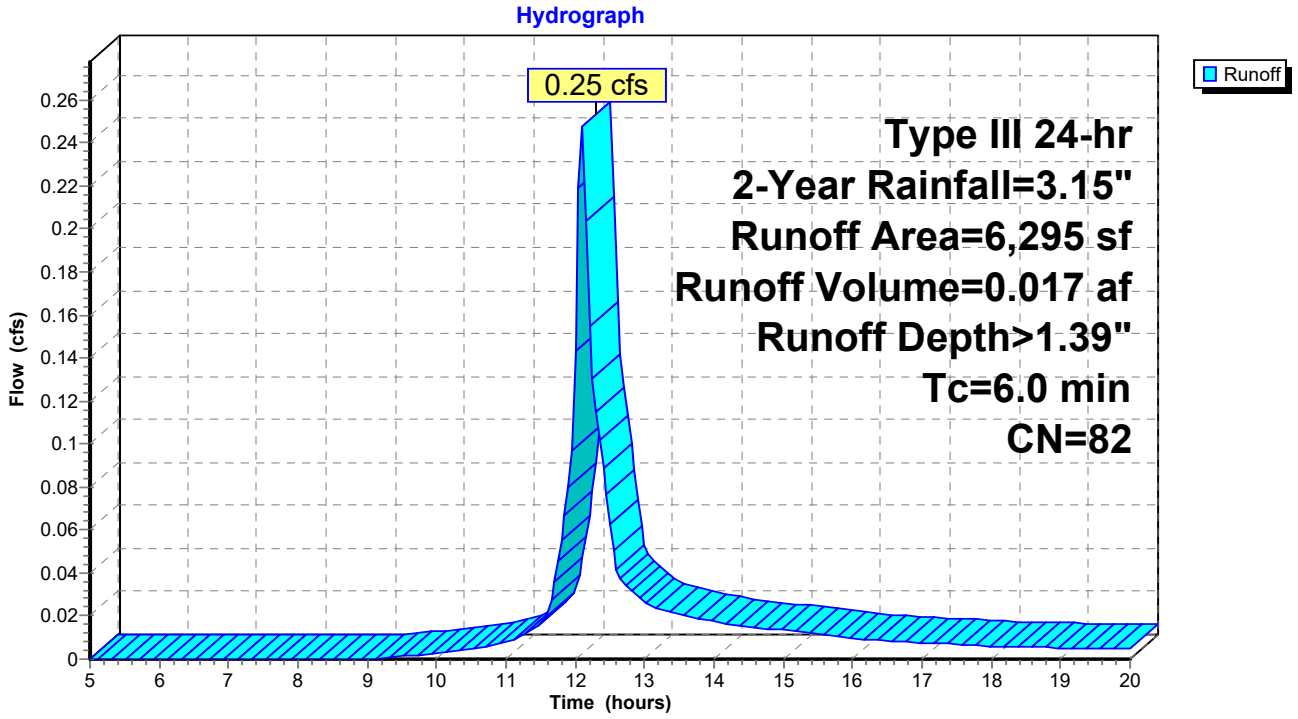
Runoff = 0.25 cfs @ 12.09 hrs, Volume= 0.017 af, Depth> 1.39"
Routed to Pond 138P : CB 39

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,726	39	>75% Grass cover, Good, HSG A
1,686	98	Unconnected roofs, HSG A
2,883	98	Paved parking, HSG A
6,295	82	Weighted Average
1,726		27.42% Pervious Area
4,569		72.58% Impervious Area
1,686		36.90% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 130S: P3NN



Summary for Subcatchment 136S: P3II

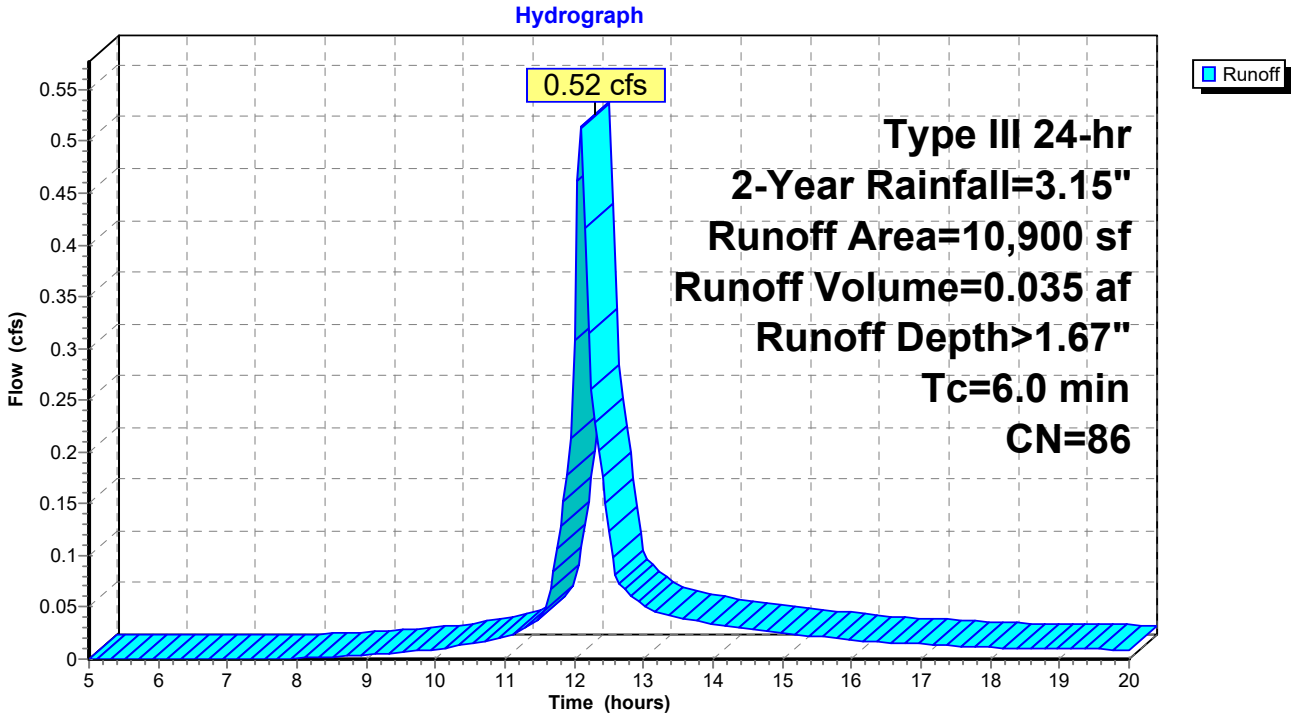
Runoff = 0.52 cfs @ 12.09 hrs, Volume= 0.035 af, Depth> 1.67"
Routed to Pond 137P : CB

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,148	39	>75% Grass cover, Good, HSG A
4,052	98	Unconnected roofs, HSG A
4,700	98	Paved parking, HSG A
10,900	86	Weighted Average
2,148		19.71% Pervious Area
8,752		80.29% Impervious Area
4,052		46.30% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 136S: P3II



Summary for Subcatchment 138S: P3JJ

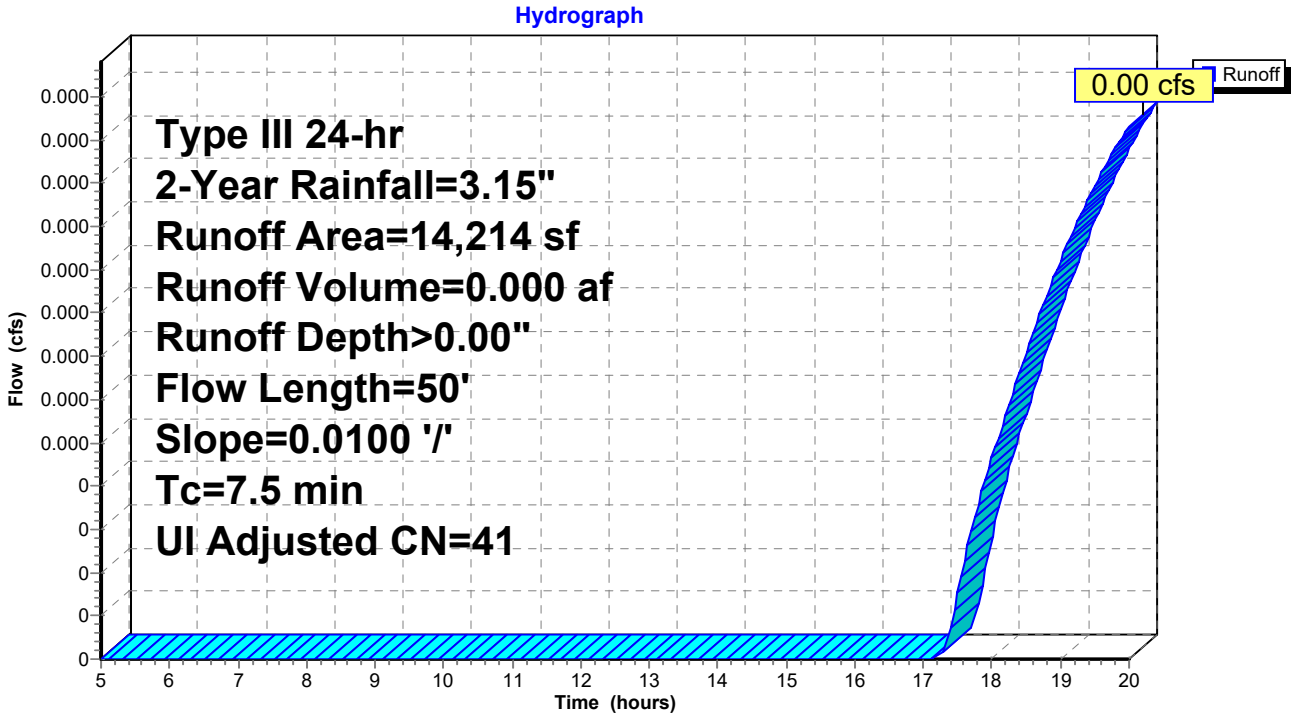
Runoff = 0.00 cfs @ 20.00 hrs, Volume= 0.000 af, Depth> 0.00"
Routed to Pond 135P : Inf. Basin 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
989	98		Unconnected roofs, HSG A
13,225	39		>75% Grass cover, Good, HSG A
14,214	43	41	Weighted Average, UI Adjusted
13,225			93.04% Pervious Area
989			6.96% Impervious Area
989			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"

Subcatchment 138S: P3JJ



Summary for Subcatchment 140S: P3OO

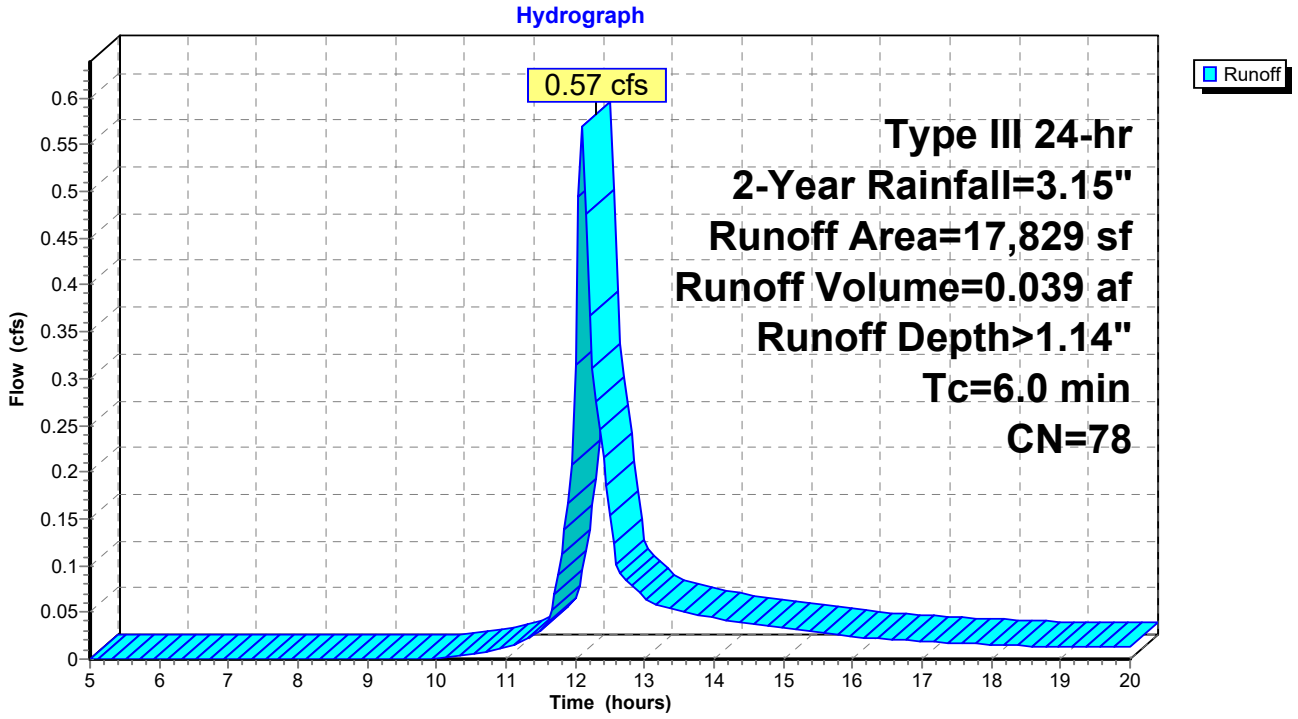
Runoff = 0.57 cfs @ 12.10 hrs, Volume= 0.039 af, Depth> 1.14"
Routed to Pond 142P : CB 40

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
6,065	39	>75% Grass cover, Good, HSG A
5,813	98	Unconnected roofs, HSG A
5,951	98	Paved parking, HSG A
17,829	78	Weighted Average
6,065		34.02% Pervious Area
11,764		65.98% Impervious Area
5,813		49.41% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 140S: P3OO



Summary for Subcatchment 141S: P3PP

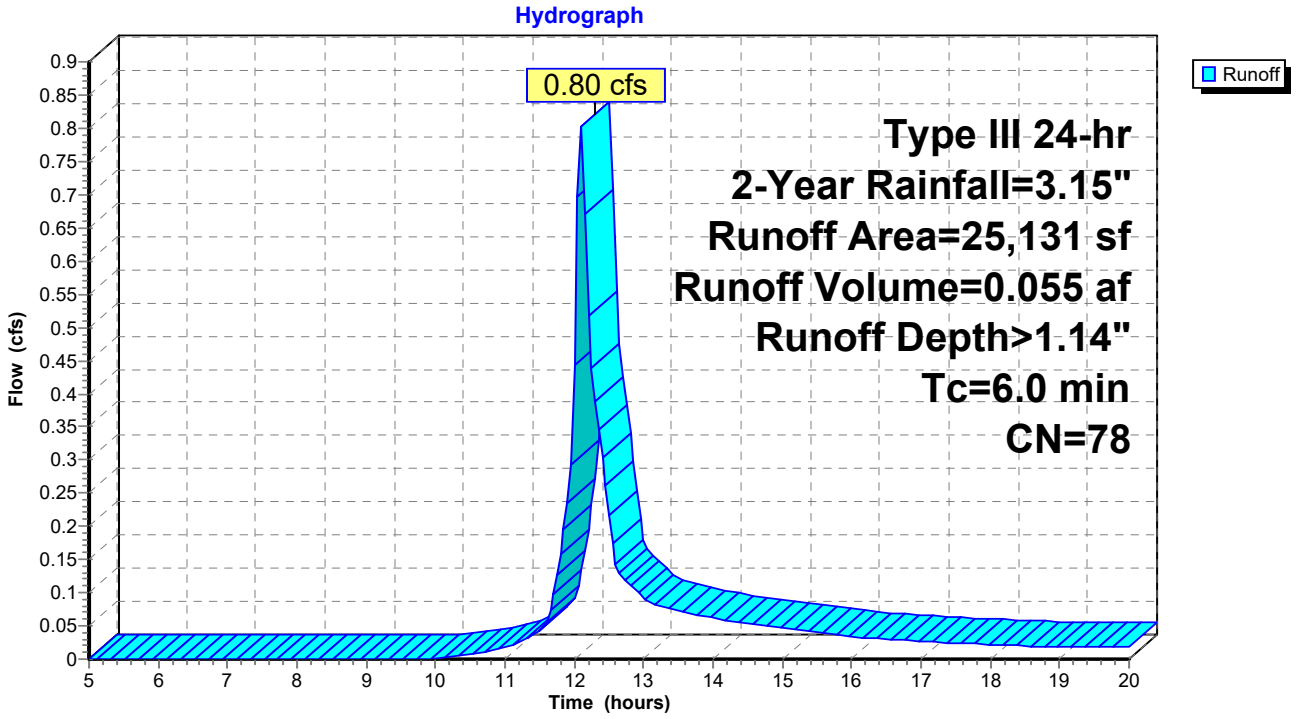
Runoff = 0.80 cfs @ 12.10 hrs, Volume= 0.055 af, Depth> 1.14"
Routed to Pond 143P : CB 41

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
8,502	39	>75% Grass cover, Good, HSG A
8,019	98	Unconnected roofs, HSG A
8,610	98	Paved parking, HSG A
25,131	78	Weighted Average
8,502		33.83% Pervious Area
16,629		66.17% Impervious Area
8,019		48.22% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 141S: P3PP



Summary for Subcatchment 142S: P3UU

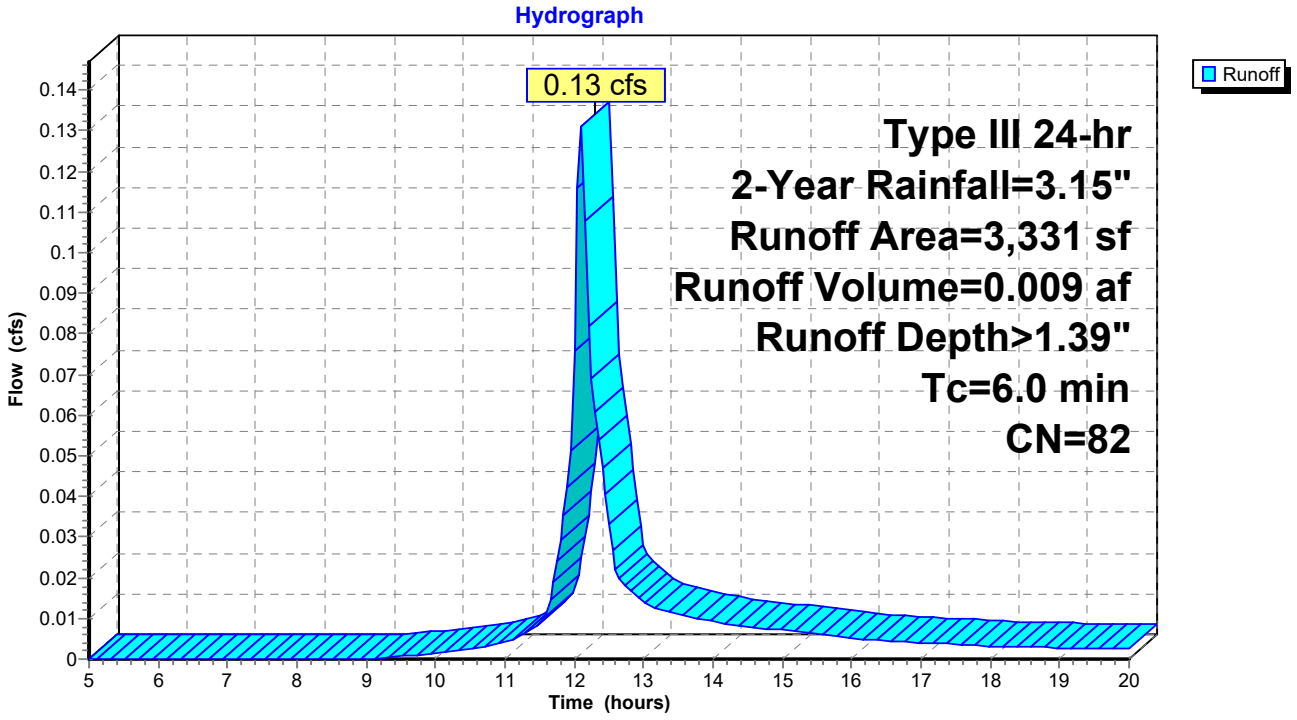
Runoff = 0.13 cfs @ 12.09 hrs, Volume= 0.009 af, Depth> 1.39"
Routed to Pond 147P : CB 28

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
915	39	>75% Grass cover, Good, HSG A
2,416	98	Paved parking, HSG A
3,331	82	Weighted Average
915		27.47% Pervious Area
2,416		72.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 142S: P3UU



Summary for Subcatchment 143S: P3VV

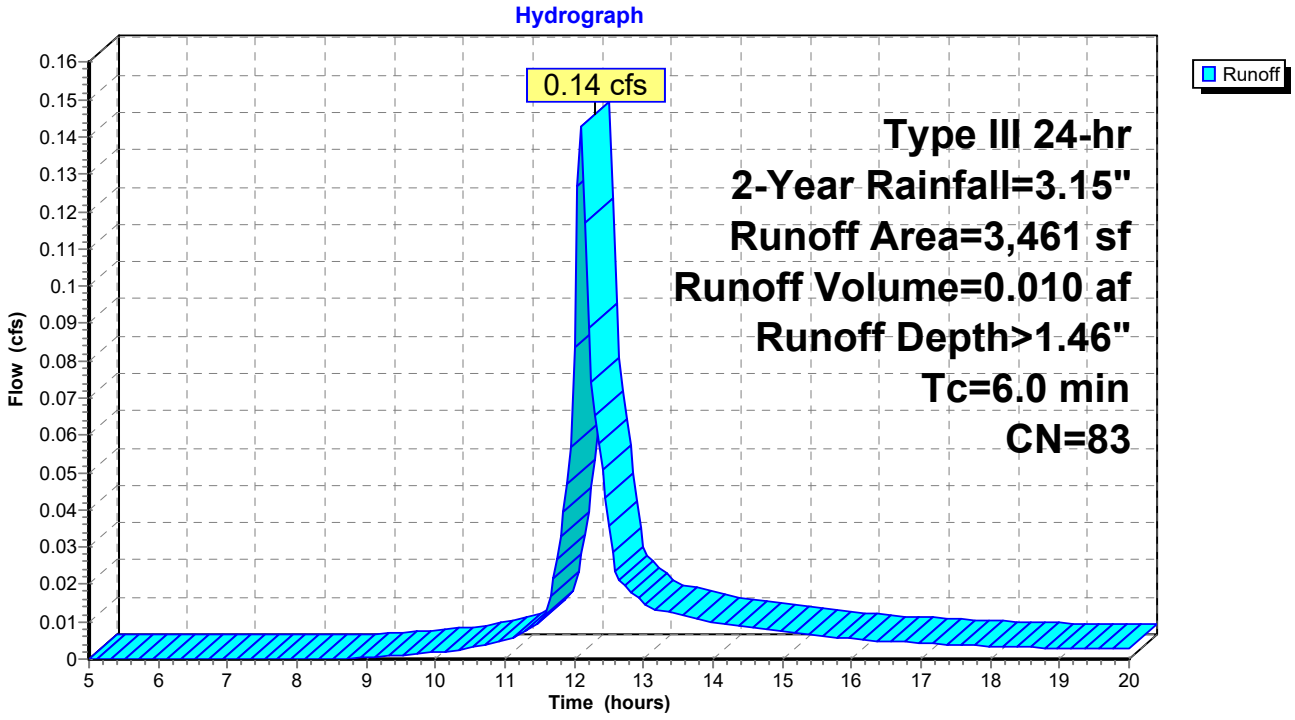
Runoff = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af, Depth> 1.46"
Routed to Pond 149P : CB 29

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
906	39	>75% Grass cover, Good, HSG A
2,555	98	Paved parking, HSG A
3,461	83	Weighted Average
906		26.18% Pervious Area
2,555		73.82% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 143S: P3VV



Summary for Subcatchment 147S: P3QQ

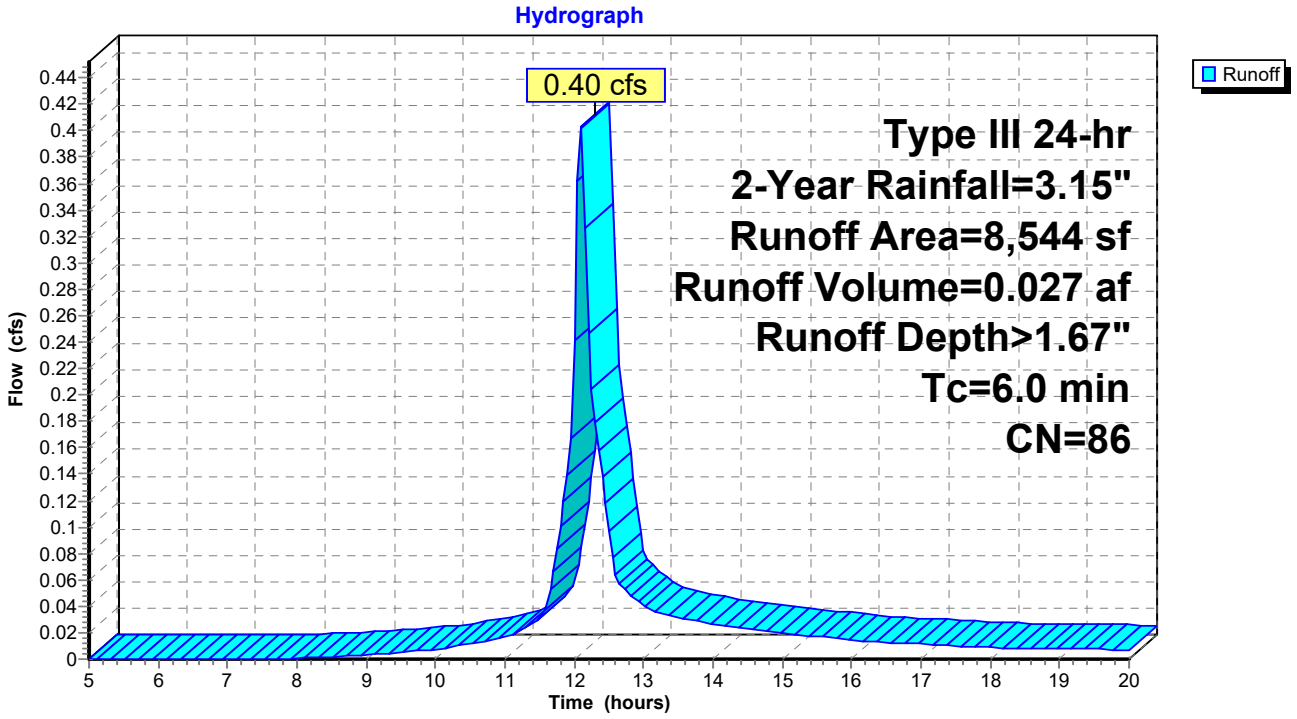
Runoff = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af, Depth> 1.67"
Routed to Pond 148P : CB 43

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,691	39	>75% Grass cover, Good, HSG A
2,319	98	Unconnected roofs, HSG A
4,534	98	Paved parking, HSG A
8,544	86	Weighted Average
1,691		19.79% Pervious Area
6,853		80.21% Impervious Area
2,319		33.84% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 147S: P3QQ



Summary for Subcatchment 149S: P3RR

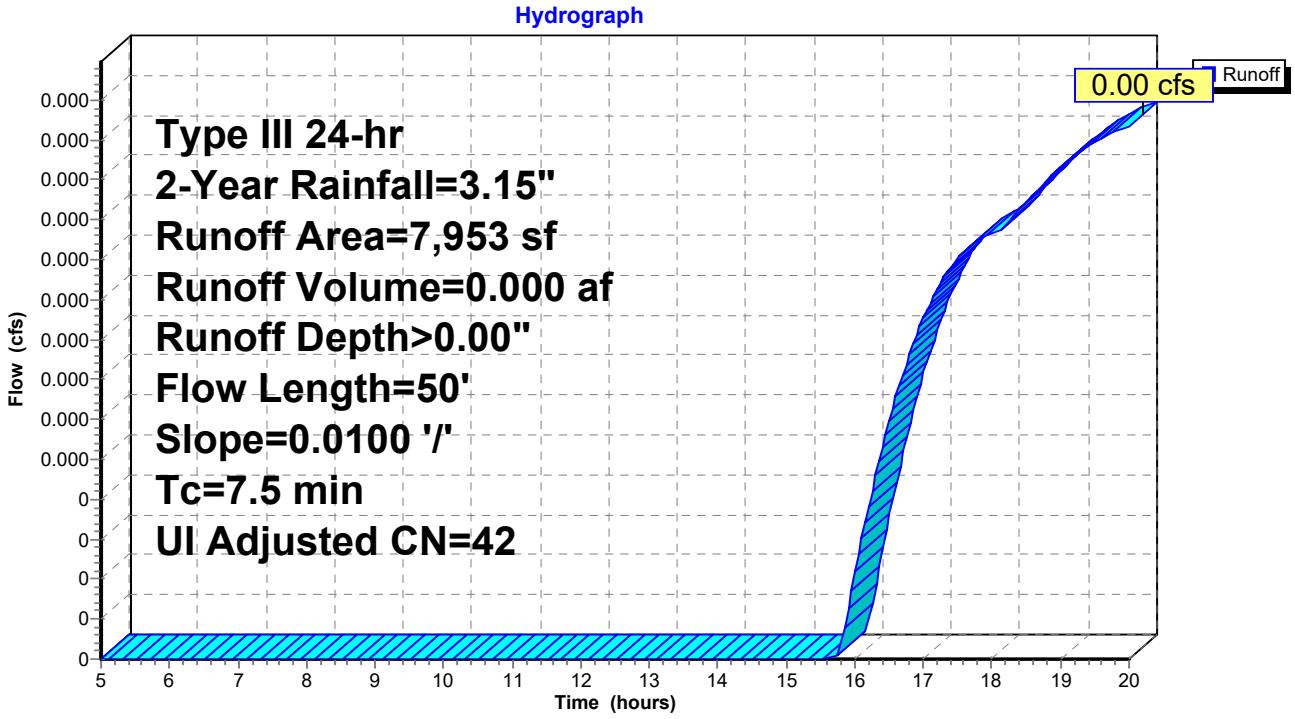
Runoff = 0.00 cfs @ 20.00 hrs, Volume= 0.000 af, Depth> 0.00"
Routed to Pond 146P : Inf. Basin 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
803	98		Unconnected roofs, HSG A
7,150	39		>75% Grass cover, Good, HSG A
7,953	45	42	Weighted Average, UI Adjusted
7,150			89.90% Pervious Area
803			10.10% Impervious Area
803			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"

Subcatchment 149S: P3RR



Summary for Subcatchment 151S: P3ZZ

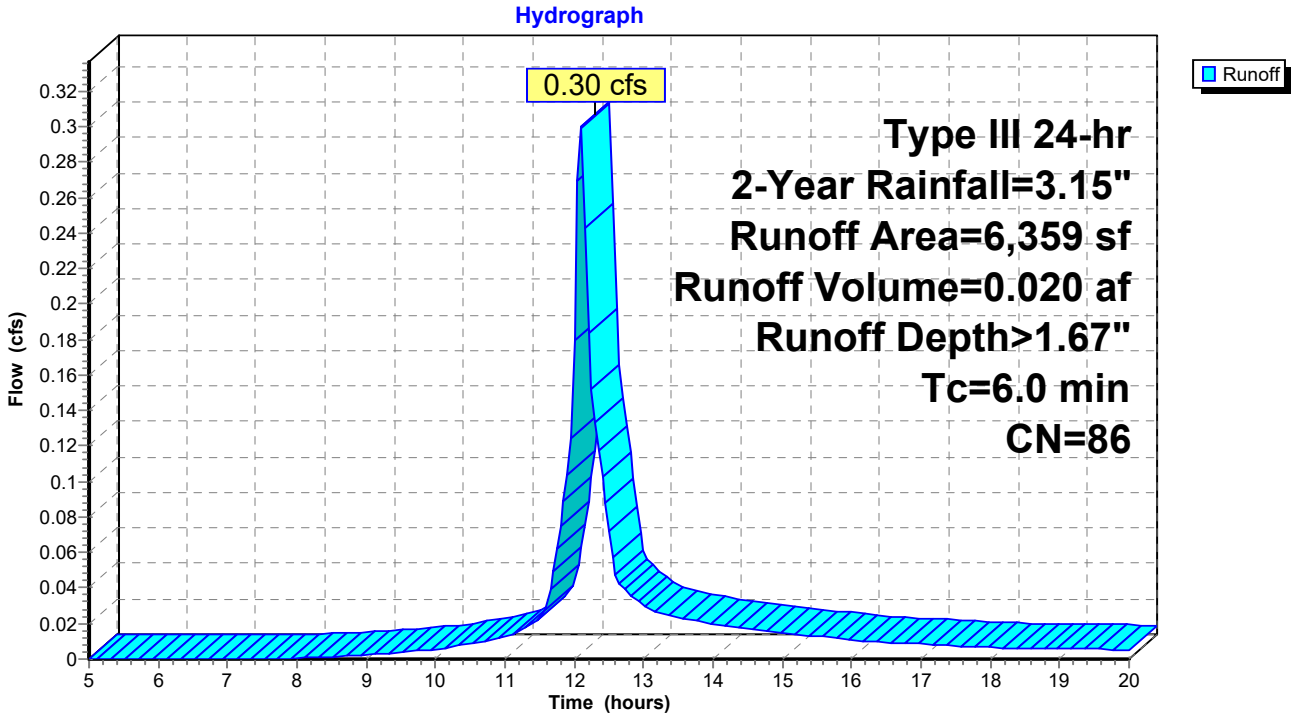
Runoff = 0.30 cfs @ 12.09 hrs, Volume= 0.020 af, Depth> 1.67"
Routed to Pond 159P : CB 25

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,297	39	>75% Grass cover, Good, HSG A
5,062	98	Paved parking, HSG A
6,359	86	Weighted Average
1,297		20.40% Pervious Area
5,062		79.60% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 151S: P3ZZ



Summary for Subcatchment 152S: P3YY

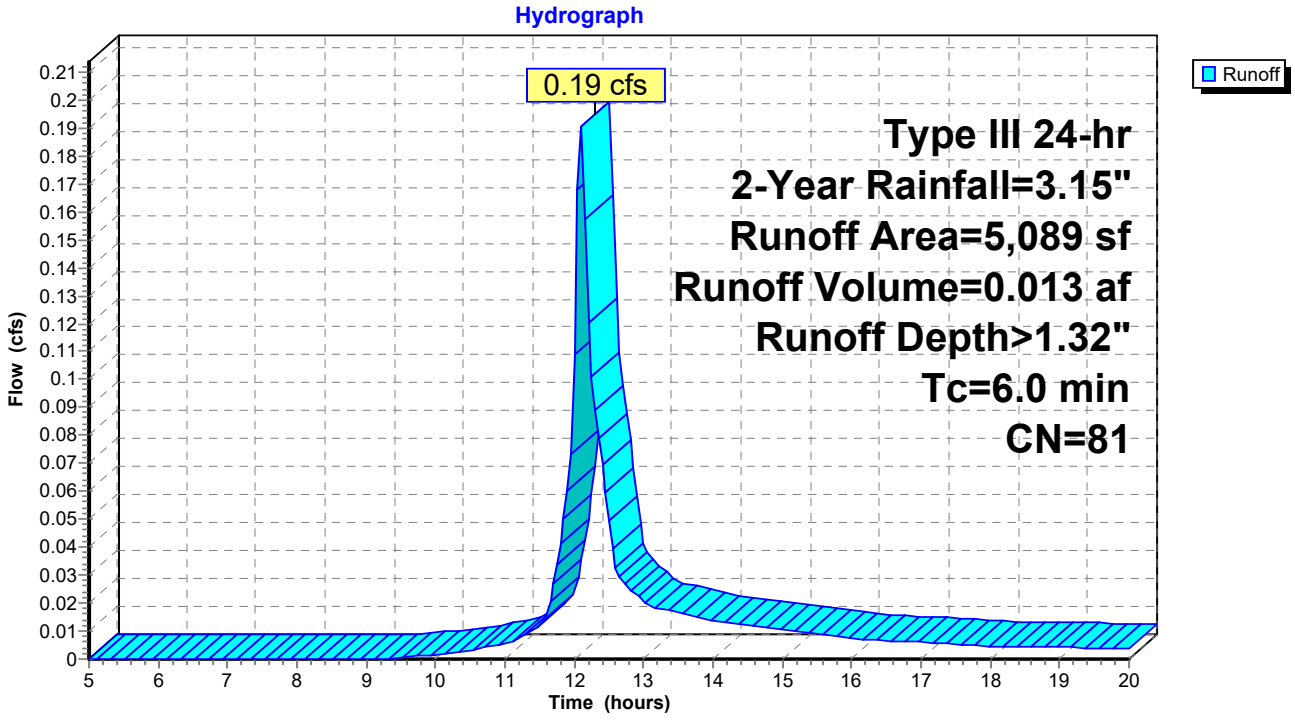
Runoff = 0.19 cfs @ 12.10 hrs, Volume= 0.013 af, Depth> 1.32"
Routed to Pond 158P : CB 24

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,505	39	>75% Grass cover, Good, HSG A
3,584	98	Paved parking, HSG A
5,089	81	Weighted Average
1,505		29.57% Pervious Area
3,584		70.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 152S: P3YY



Summary for Subcatchment 153S: P3WW

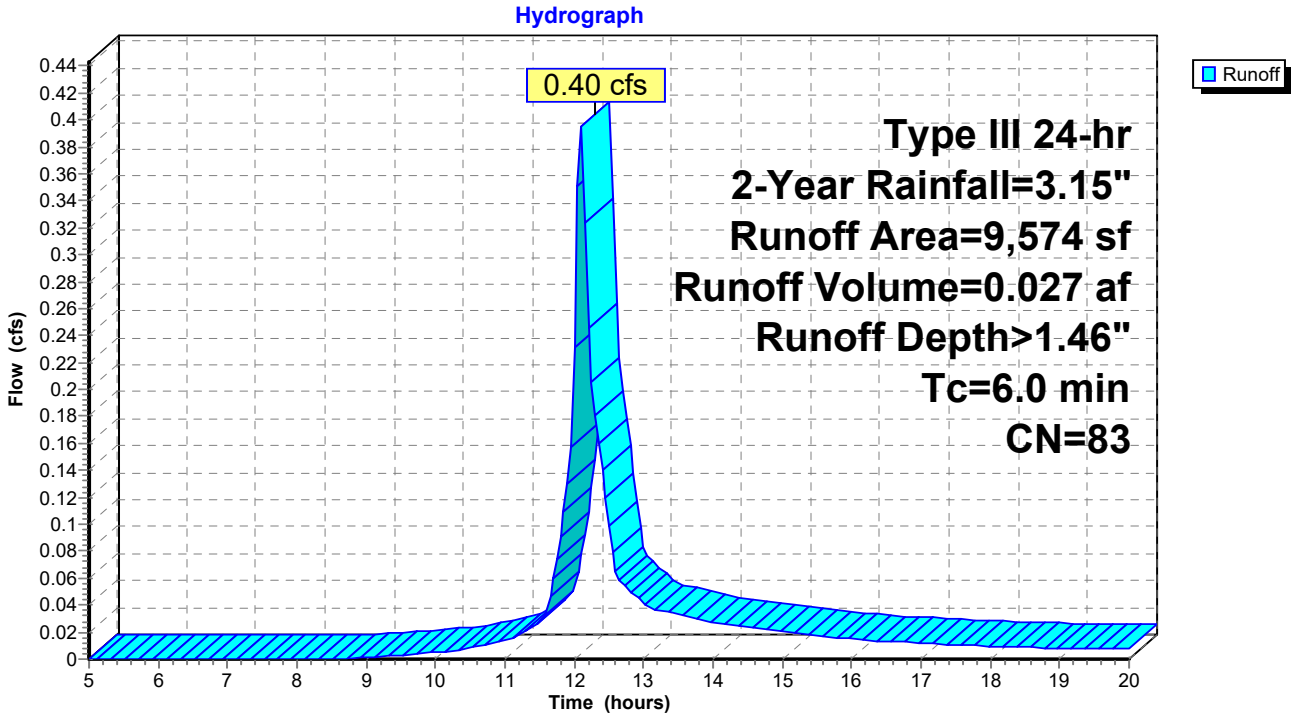
Runoff = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af, Depth> 1.46"
Routed to Pond 155P : CB 27

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,428	39	>75% Grass cover, Good, HSG A
2,576	98	Unconnected roofs, HSG A
4,570	98	Paved parking, HSG A
9,574	83	Weighted Average
2,428		25.36% Pervious Area
7,146		74.64% Impervious Area
2,576		36.05% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 153S: P3WW



Summary for Subcatchment 154S: P3XX

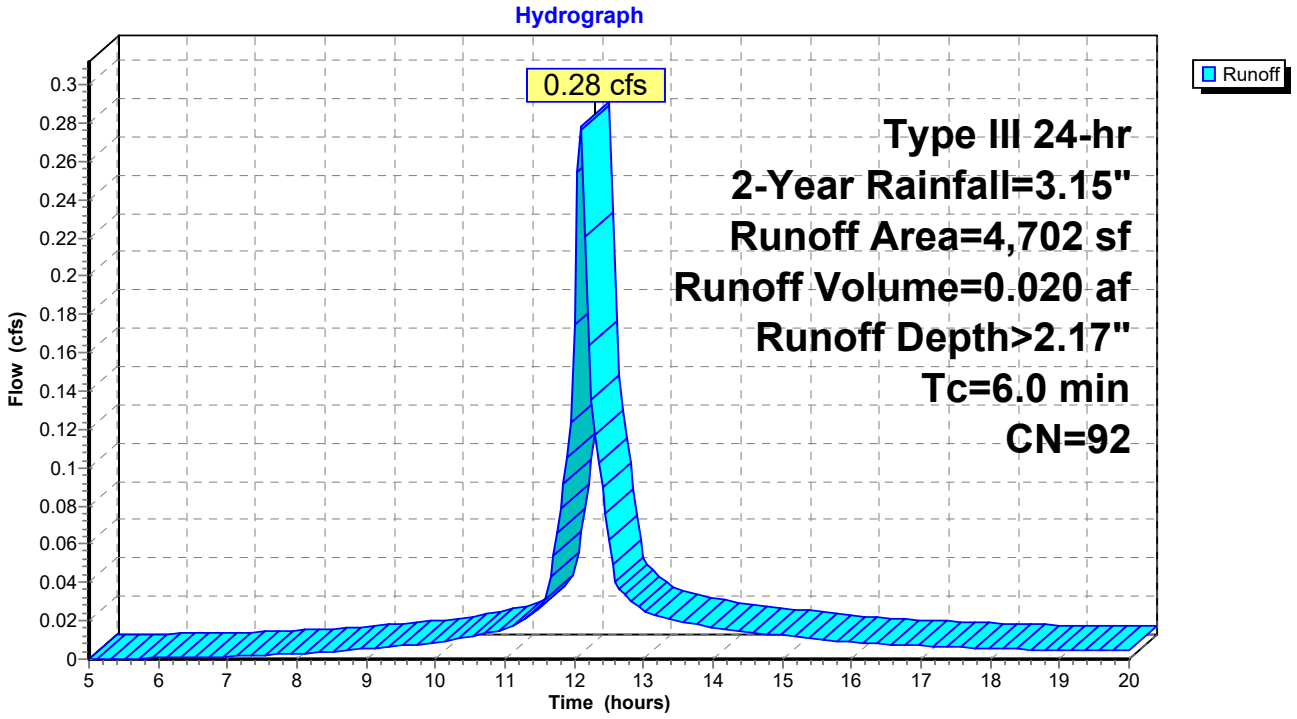
Runoff = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af, Depth> 2.17"
Routed to Pond 156P : CB 26

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
467	39	>75% Grass cover, Good, HSG A
2,369	98	Unconnected roofs, HSG A
1,866	98	Paved parking, HSG A
4,702	92	Weighted Average
467		9.93% Pervious Area
4,235		90.07% Impervious Area
2,369		55.94% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 154S: P3XX



Summary for Subcatchment 155S: P3CCC

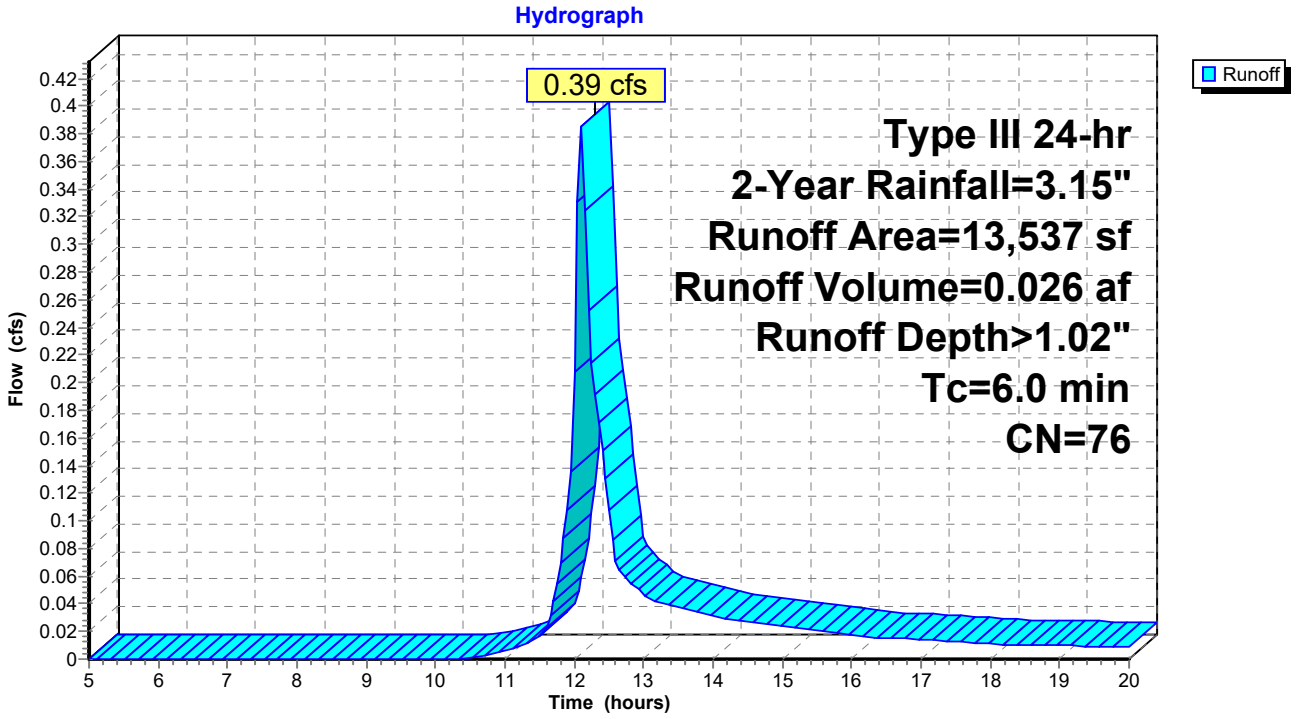
Runoff = 0.39 cfs @ 12.10 hrs, Volume= 0.026 af, Depth> 1.02"
Routed to Pond 163P : CB 14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
4,959	39	>75% Grass cover, Good, HSG A
1,047	98	Unconnected roofs, HSG A
7,531	98	Paved parking, HSG A
13,537	76	Weighted Average
4,959		36.63% Pervious Area
8,578		63.37% Impervious Area
1,047		12.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 155S: P3CCC



Summary for Subcatchment 156S: P3DDD

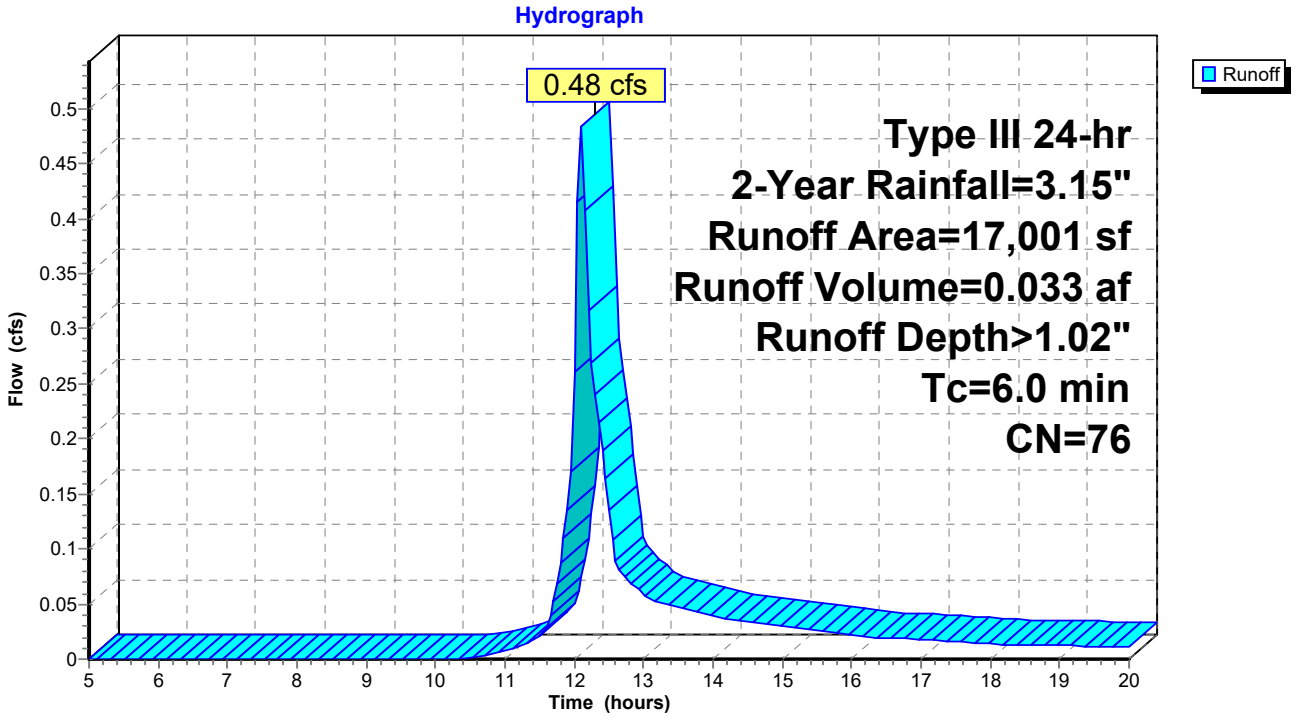
Runoff = 0.48 cfs @ 12.10 hrs, Volume= 0.033 af, Depth> 1.02"
Routed to Pond 162P : CB 15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
6,264	39	>75% Grass cover, Good, HSG A
3,815	98	Unconnected roofs, HSG A
6,922	98	Paved parking, HSG A
17,001	76	Weighted Average
6,264		36.84% Pervious Area
10,737		63.16% Impervious Area
3,815		35.53% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 156S: P3DDD



Summary for Subcatchment 165S: P3FFF

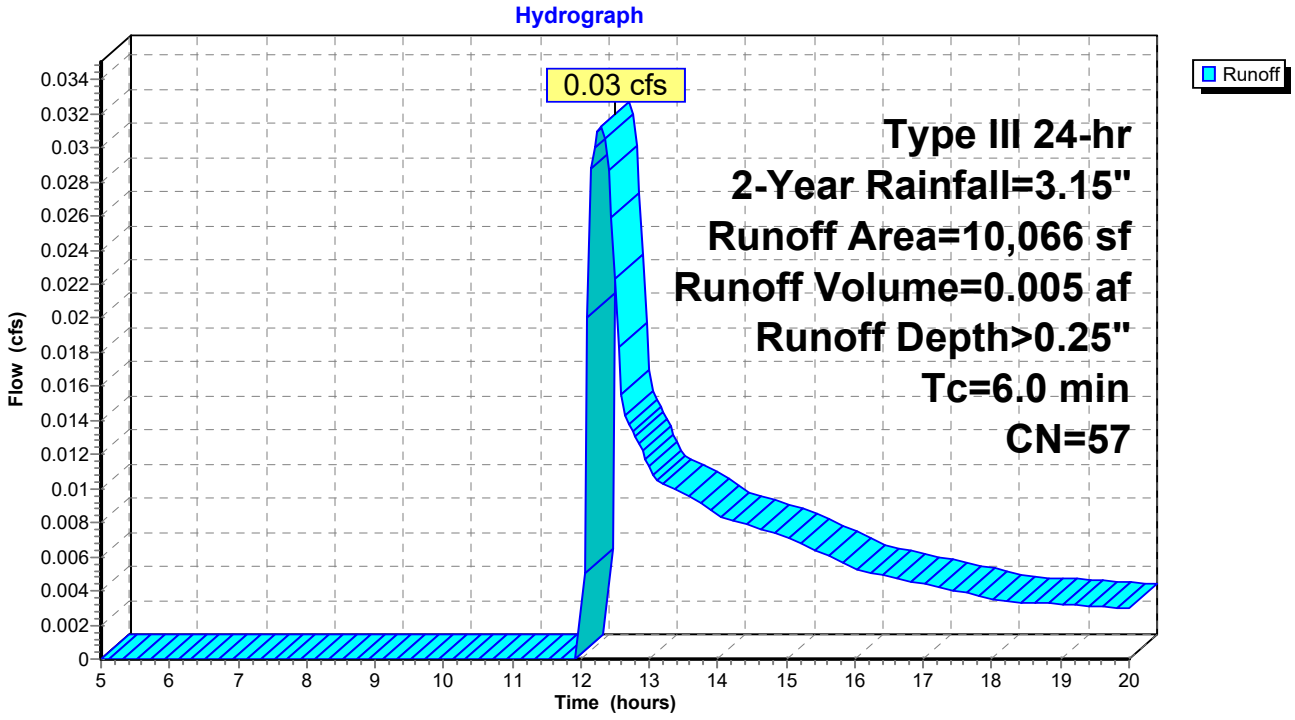
Runoff = 0.03 cfs @ 12.29 hrs, Volume= 0.005 af, Depth> 0.25"
Routed to Pond 168P : CB 10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
7,041	39	>75% Grass cover, Good, HSG A
3,025	98	Paved parking, HSG A
10,066	57	Weighted Average
7,041		69.95% Pervious Area
3,025		30.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 165S: P3FFF



Summary for Subcatchment 166S: P3EEE

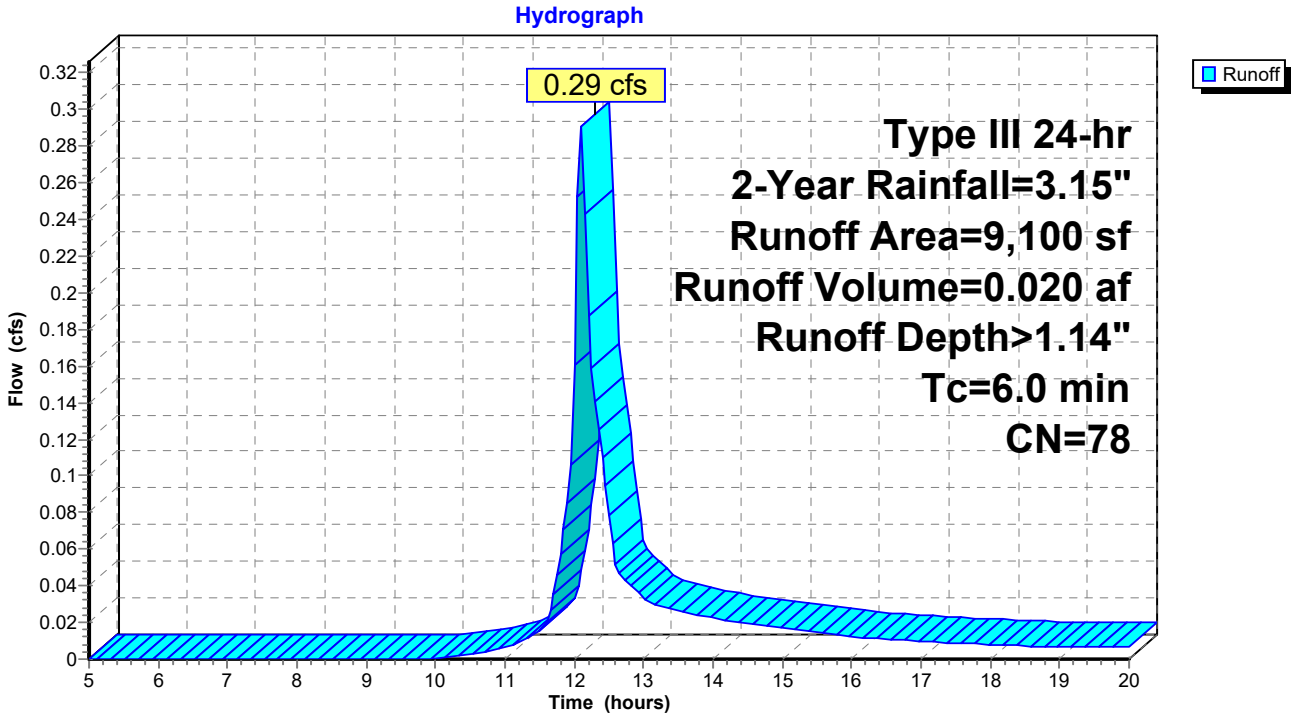
Runoff = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af, Depth> 1.14"
Routed to Pond 167P : CB 11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,114	39	>75% Grass cover, Good, HSG A
3,120	98	Paved parking, HSG A
2,866	98	Unconnected roofs, HSG A
9,100	78	Weighted Average
3,114		34.22% Pervious Area
5,986		65.78% Impervious Area
2,866		47.88% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 166S: P3EEE



Summary for Subcatchment 170S: P3JJJ

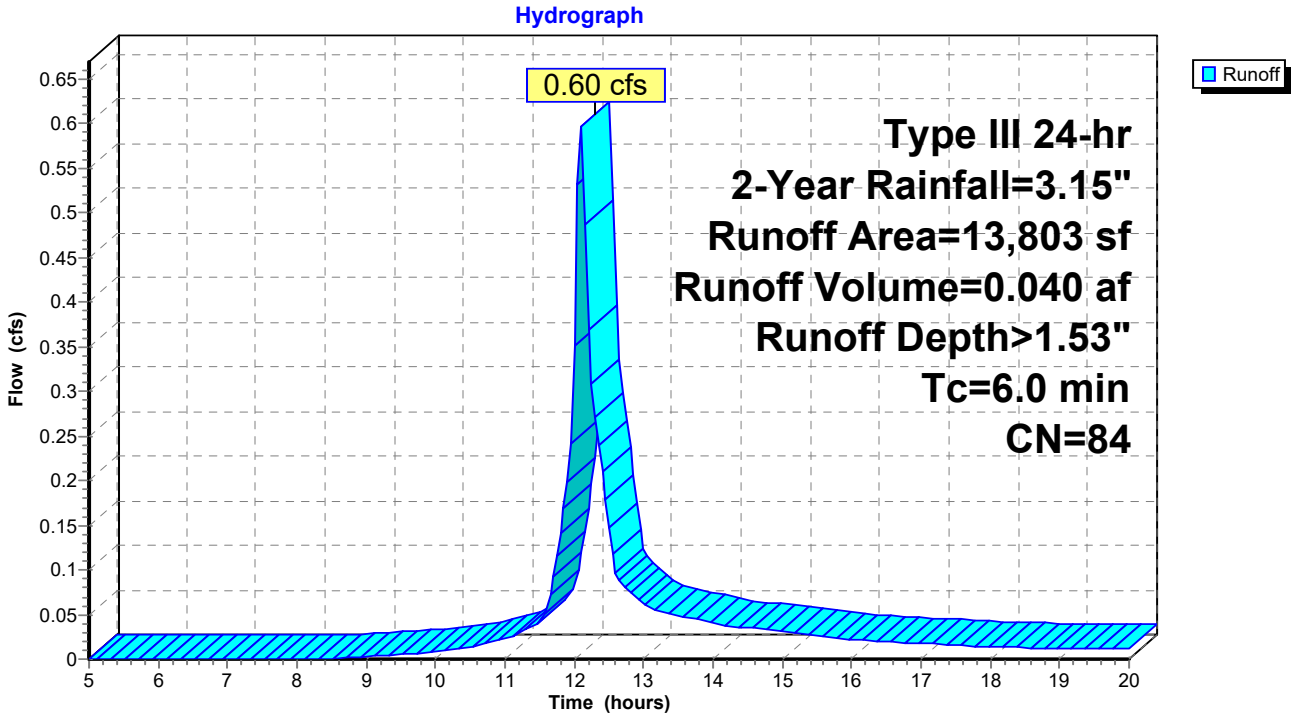
Runoff = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af, Depth> 1.53"
Routed to Pond 172P : CB 16

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,334	39	>75% Grass cover, Good, HSG A
6,476	98	Unconnected roofs, HSG A
3,993	98	Paved parking, HSG A
13,803	84	Weighted Average
3,334		24.15% Pervious Area
10,469		75.85% Impervious Area
6,476		61.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 170S: P3JJJ



Summary for Subcatchment 171S: P3III

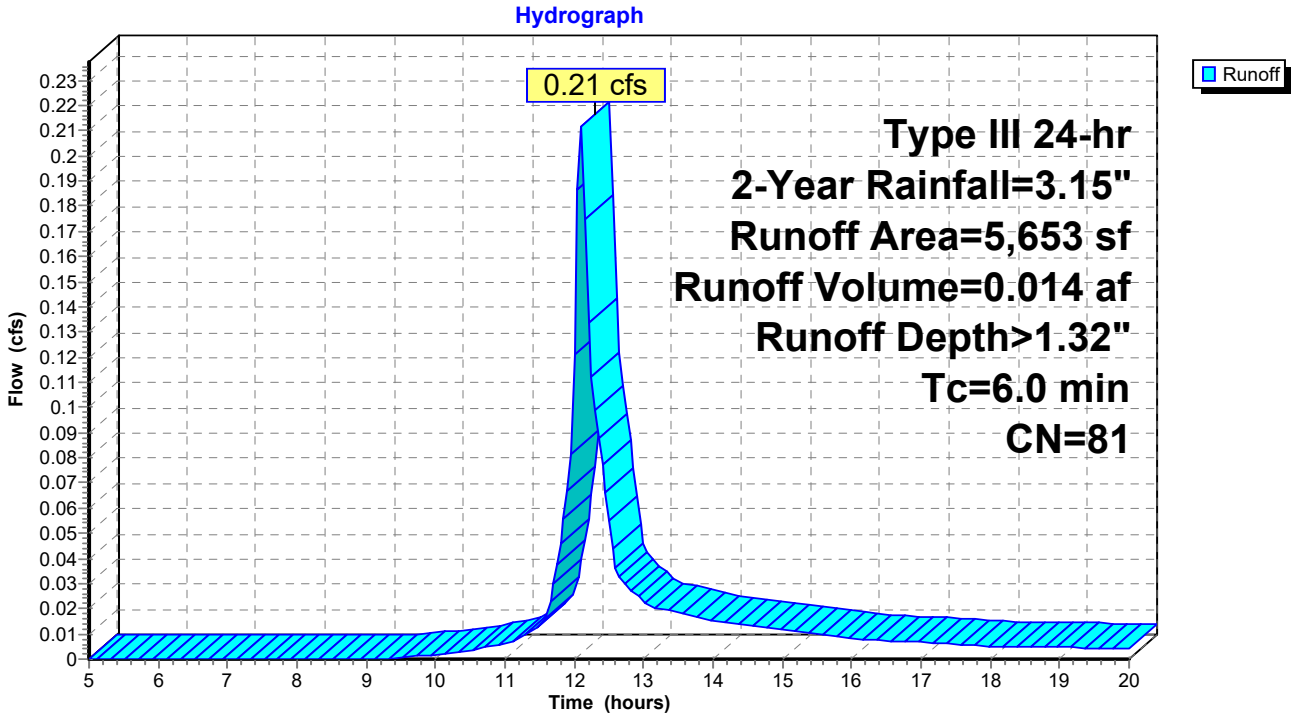
Runoff = 0.21 cfs @ 12.10 hrs, Volume= 0.014 af, Depth> 1.32"
Routed to Pond 173P : CB 17

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,629	39	>75% Grass cover, Good, HSG A
1,823	98	Unconnected roofs, HSG A
2,201	98	Paved parking, HSG A
5,653	81	Weighted Average
1,629		28.82% Pervious Area
4,024		71.18% Impervious Area
1,823		45.30% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 171S: P3III



Summary for Subcatchment 175S: P3KKK

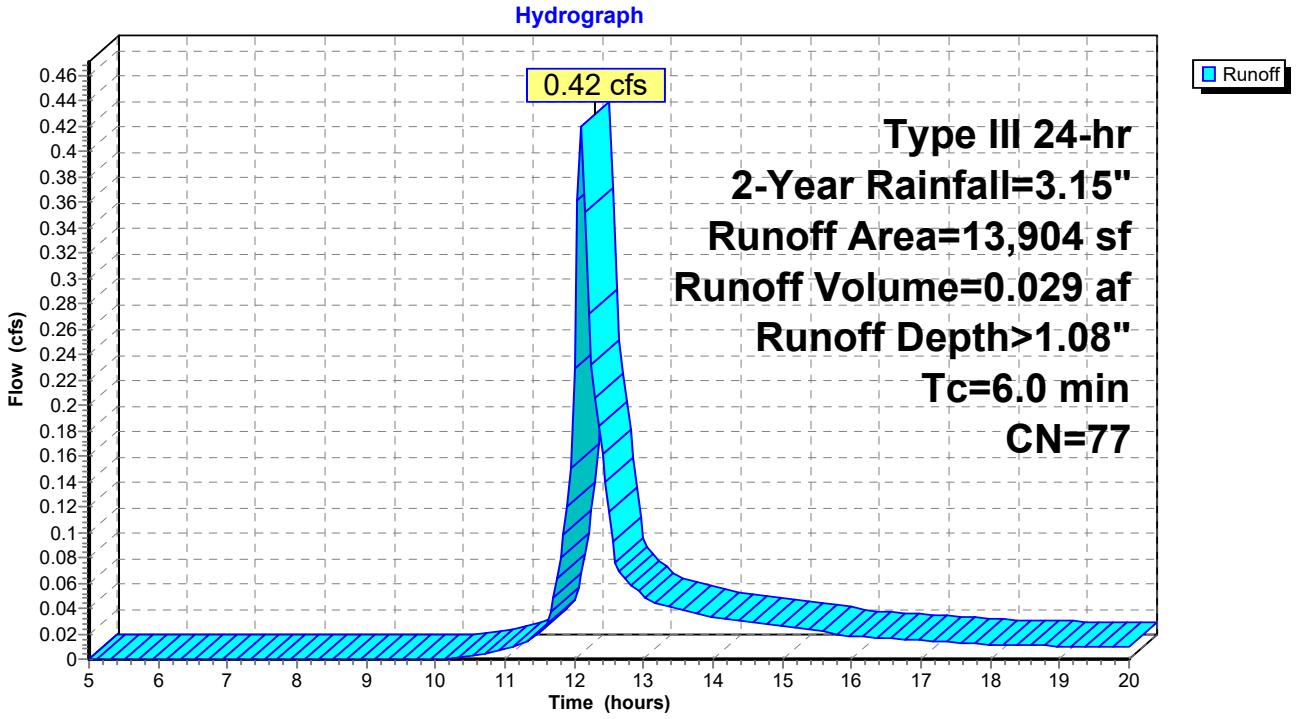
Runoff = 0.42 cfs @ 12.10 hrs, Volume= 0.029 af, Depth> 1.08"
Routed to Pond 177P : CB 13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
4,945	39	>75% Grass cover, Good, HSG A
3,545	98	Unconnected roofs, HSG A
5,414	98	Paved parking, HSG A
13,904	77	Weighted Average
4,945		35.57% Pervious Area
8,959		64.43% Impervious Area
3,545		39.57% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 175S: P3KKK



Summary for Subcatchment 176S: P3LLL

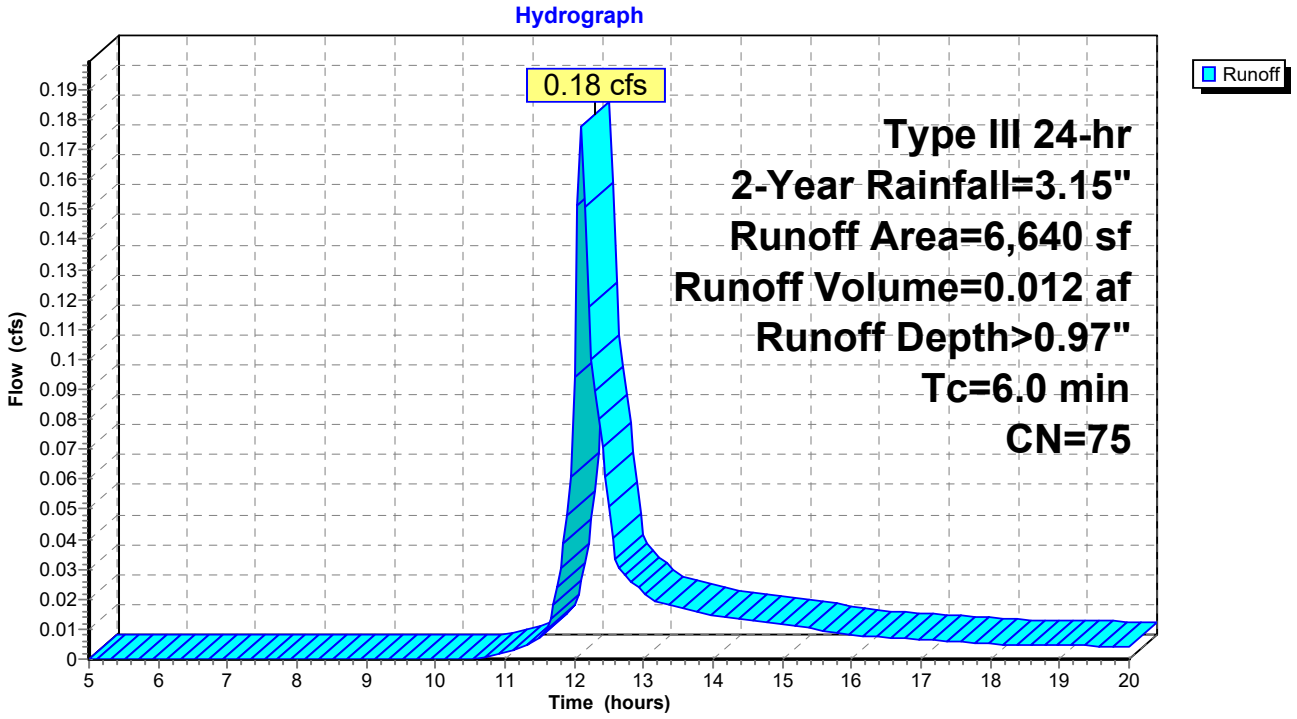
Runoff = 0.18 cfs @ 12.10 hrs, Volume= 0.012 af, Depth> 0.97"
Routed to Pond 178P : CB 12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,605	39	>75% Grass cover, Good, HSG A
958	98	Unconnected roofs, HSG A
3,077	98	Paved parking, HSG A
6,640	75	Weighted Average
2,605		39.23% Pervious Area
4,035		60.77% Impervious Area
958		23.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 176S: P3LLL



Summary for Subcatchment 182S: P3MMM

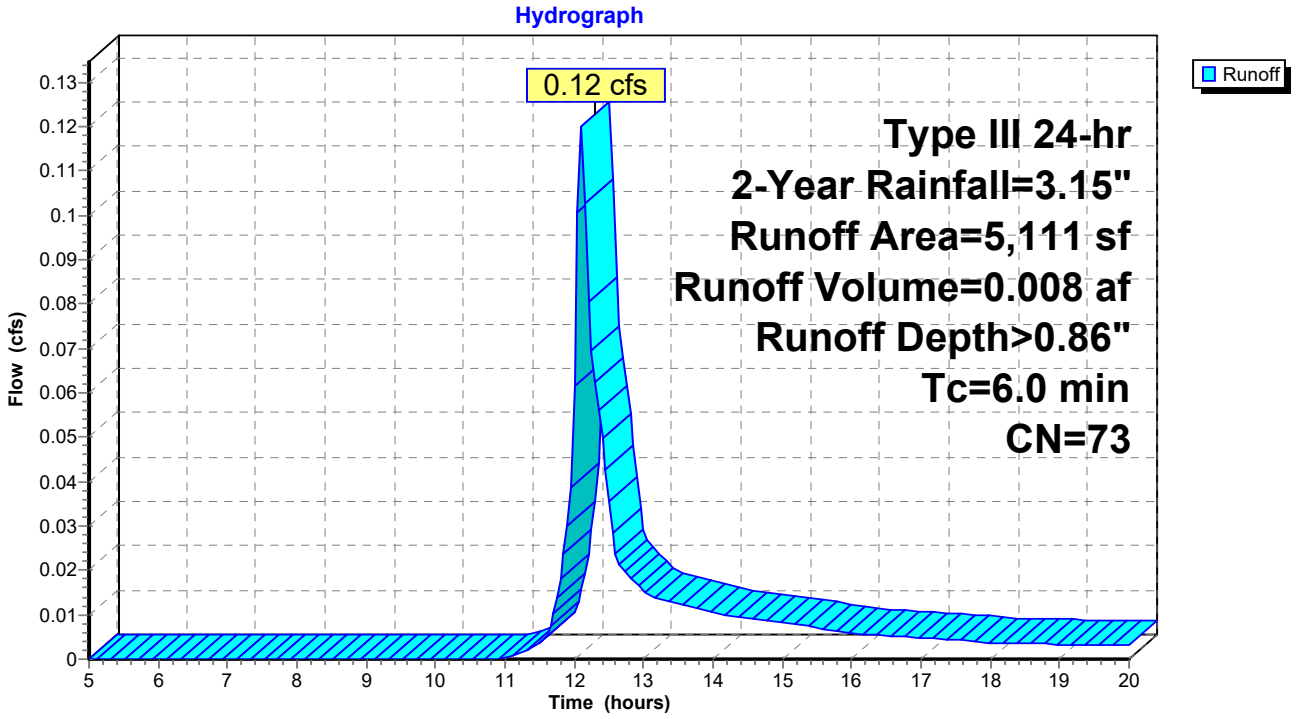
Runoff = 0.12 cfs @ 12.10 hrs, Volume= 0.008 af, Depth> 0.86"
Routed to Pond 61P : CB 8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,196	39	>75% Grass cover, Good, HSG A
413	98	Unconnected roofs, HSG A
2,502	98	Paved parking, HSG A
5,111	73	Weighted Average
2,196		42.97% Pervious Area
2,915		57.03% Impervious Area
413		14.17% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 182S: P3MMM



Summary for Subcatchment 183S: P3NNN

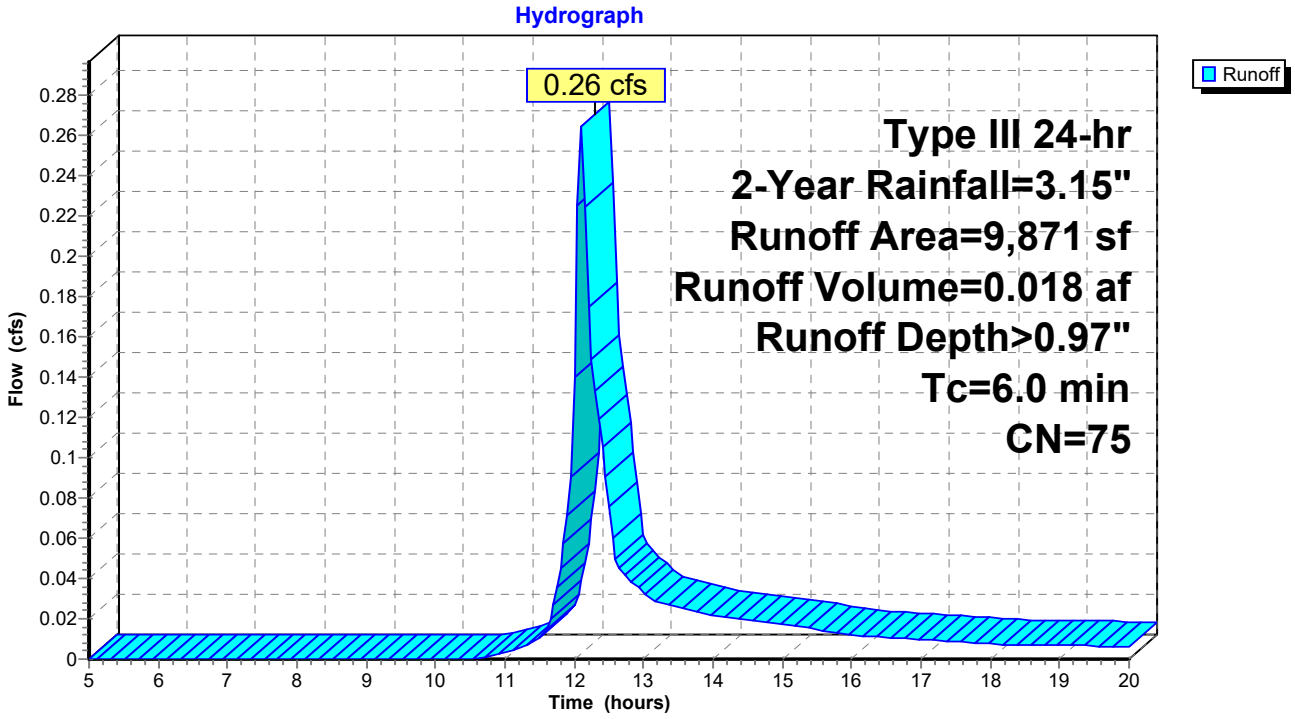
Runoff = 0.26 cfs @ 12.10 hrs, Volume= 0.018 af, Depth> 0.97"
Routed to Pond 170P : CB 9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,796	39	>75% Grass cover, Good, HSG A
2,443	98	Unconnected roofs, HSG A
3,632	98	Paved parking, HSG A
9,871	75	Weighted Average
3,796		38.46% Pervious Area
6,075		61.54% Impervious Area
2,443		40.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 183S: P3NNN



Summary for Subcatchment 184S: P3OOO

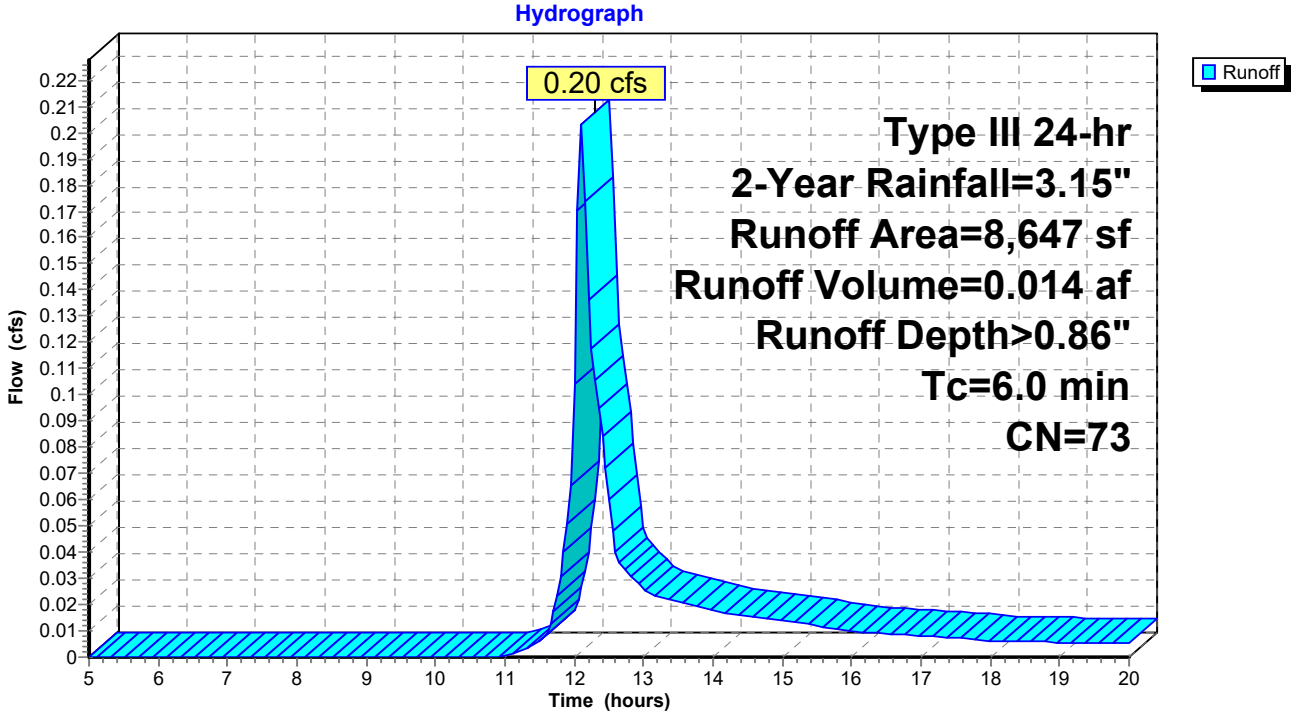
Runoff = 0.20 cfs @ 12.10 hrs, Volume= 0.014 af, Depth> 0.86"
Routed to Pond 176P : CB 6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,656	39	>75% Grass cover, Good, HSG A
1,177	98	Unconnected roofs, HSG A
3,814	98	Paved parking, HSG A
8,647	73	Weighted Average
3,656		42.28% Pervious Area
4,991		57.72% Impervious Area
1,177		23.58% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 184S: P3OOO



Summary for Subcatchment 185S: P3PPP

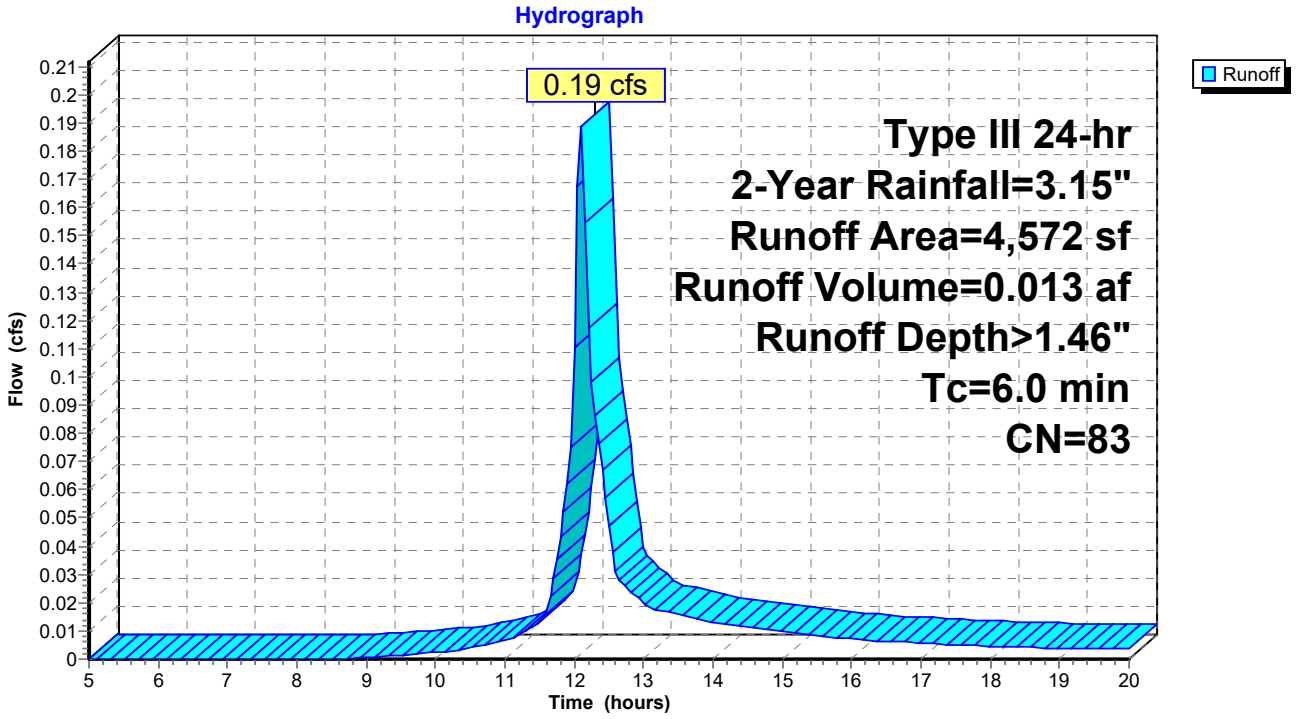
Runoff = 0.19 cfs @ 12.09 hrs, Volume= 0.013 af, Depth> 1.46"
Routed to Pond 182P : CB 7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,135	39	>75% Grass cover, Good, HSG A
1,267	98	Unconnected roofs, HSG A
2,170	98	Paved parking, HSG A
4,572	83	Weighted Average
1,135		24.83% Pervious Area
3,437		75.17% Impervious Area
1,267		36.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 185S: P3PPP



Summary for Subcatchment 186S: P3QQQ

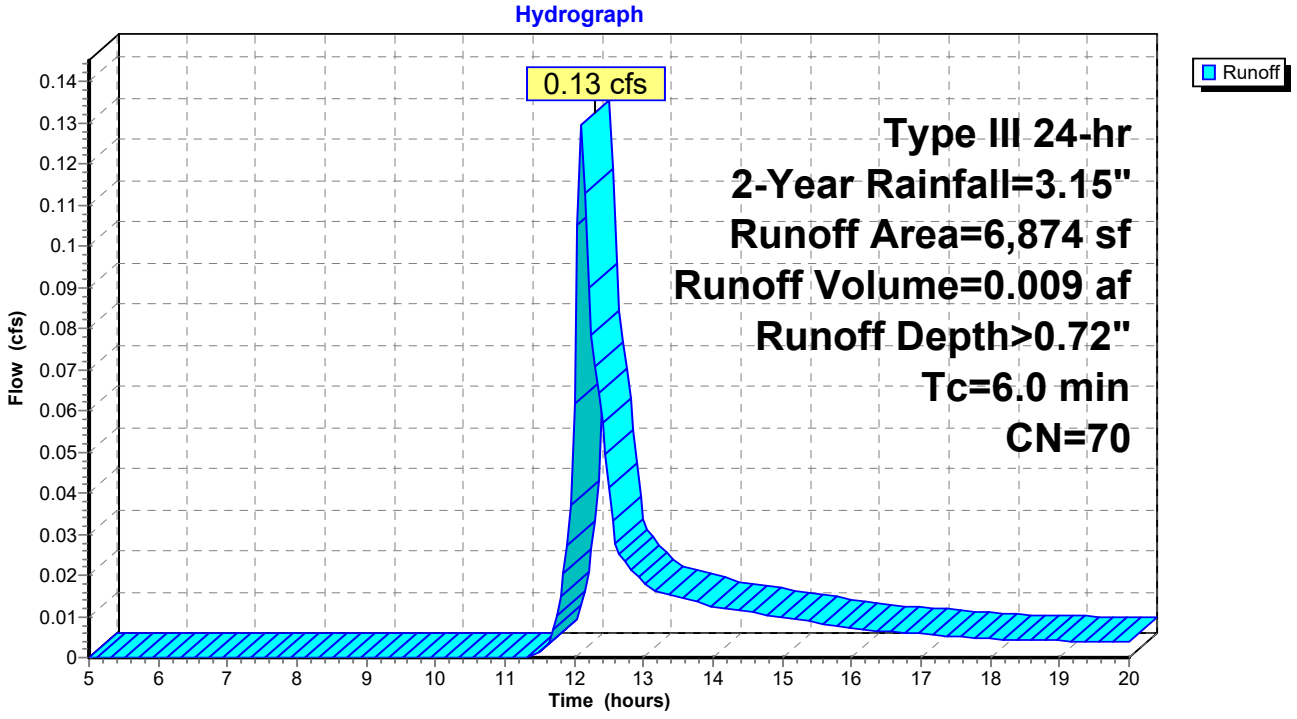
Runoff = 0.13 cfs @ 12.10 hrs, Volume= 0.009 af, Depth> 0.72"
Routed to Pond 188P : CB 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,125	39	>75% Grass cover, Good, HSG A
992	30	Woods, Good, HSG A
3,757	98	Paved parking, HSG A
6,874	70	Weighted Average
3,117		45.34% Pervious Area
3,757		54.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 186S: P3QQQ



Summary for Subcatchment 187S: P3RRR

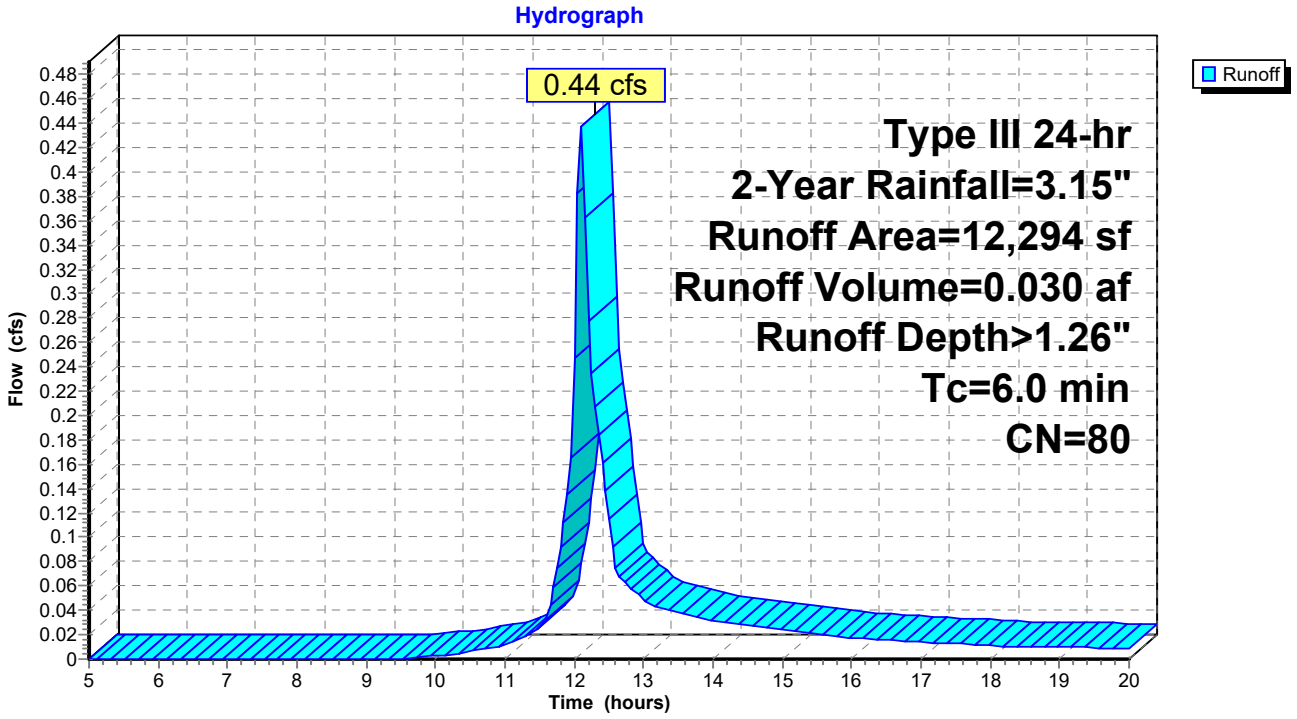
Runoff = 0.44 cfs @ 12.10 hrs, Volume= 0.030 af, Depth> 1.26"
Routed to Pond 189P : CB 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,803	39	>75% Grass cover, Good, HSG A
2,556	98	Unconnected roofs, HSG A
5,935	98	Paved parking, HSG A
12,294	80	Weighted Average
3,803		30.93% Pervious Area
8,491		69.07% Impervious Area
2,556		30.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 187S: P3RRR



Summary for Subcatchment 189S: (new Subcat)

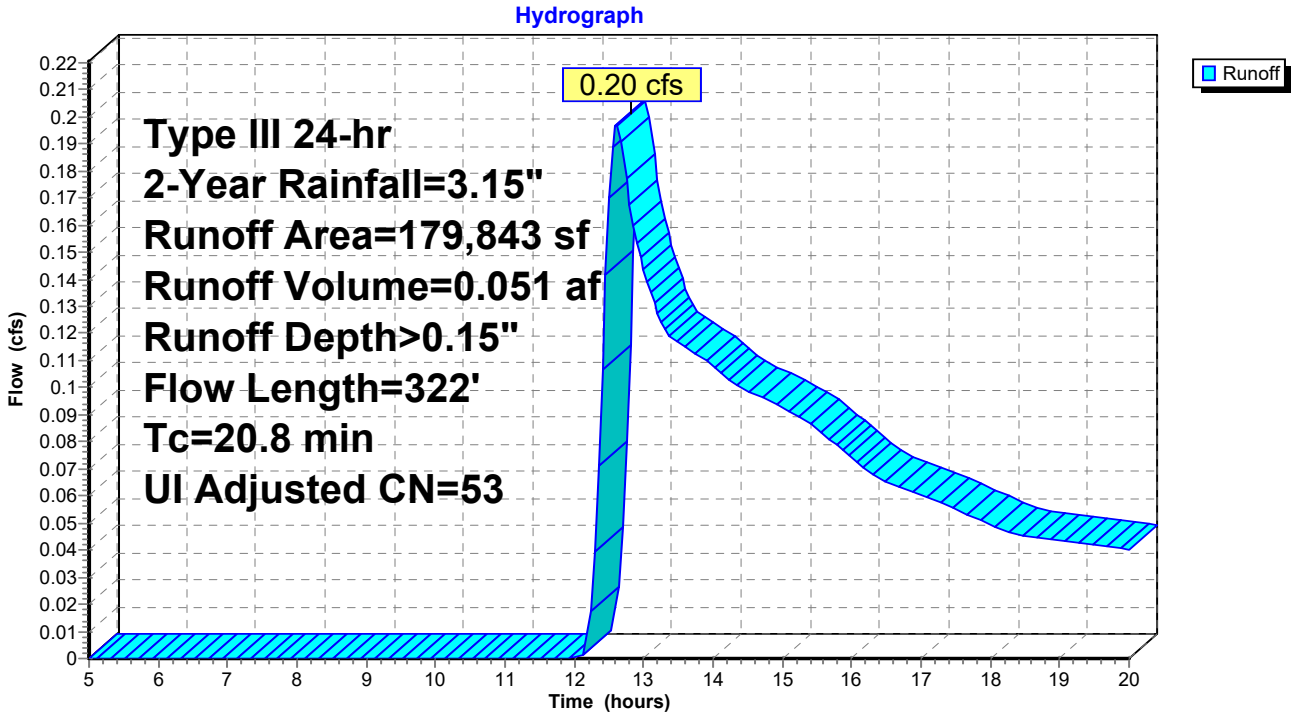
Runoff = 0.20 cfs @ 12.62 hrs, Volume= 0.051 af, Depth> 0.15"
Routed to Link 188L : DP 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
39,228	30		Woods, Good, HSG A
27,809	70		Woods, Good, HSG C
2,509	98		Unconnected roofs, HSG C
1,351	98		Unconnected pavement, HSG C
3,066	98		Unconnected roofs, HSG A
1,335	98		Unconnected pavement, HSG A
49,779	74		>75% Grass cover, Good, HSG C
54,766	39		>75% Grass cover, Good, HSG A
179,843	54	53	Weighted Average, UI Adjusted
171,582			95.41% Pervious Area
8,261			4.59% Impervious Area
8,261			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	50	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
4.3	272	0.0450	1.06		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
20.8	322	Total			

Subcatchment 189S: (new Subcat)



Summary for Subcatchment 190S: (new Subcat)

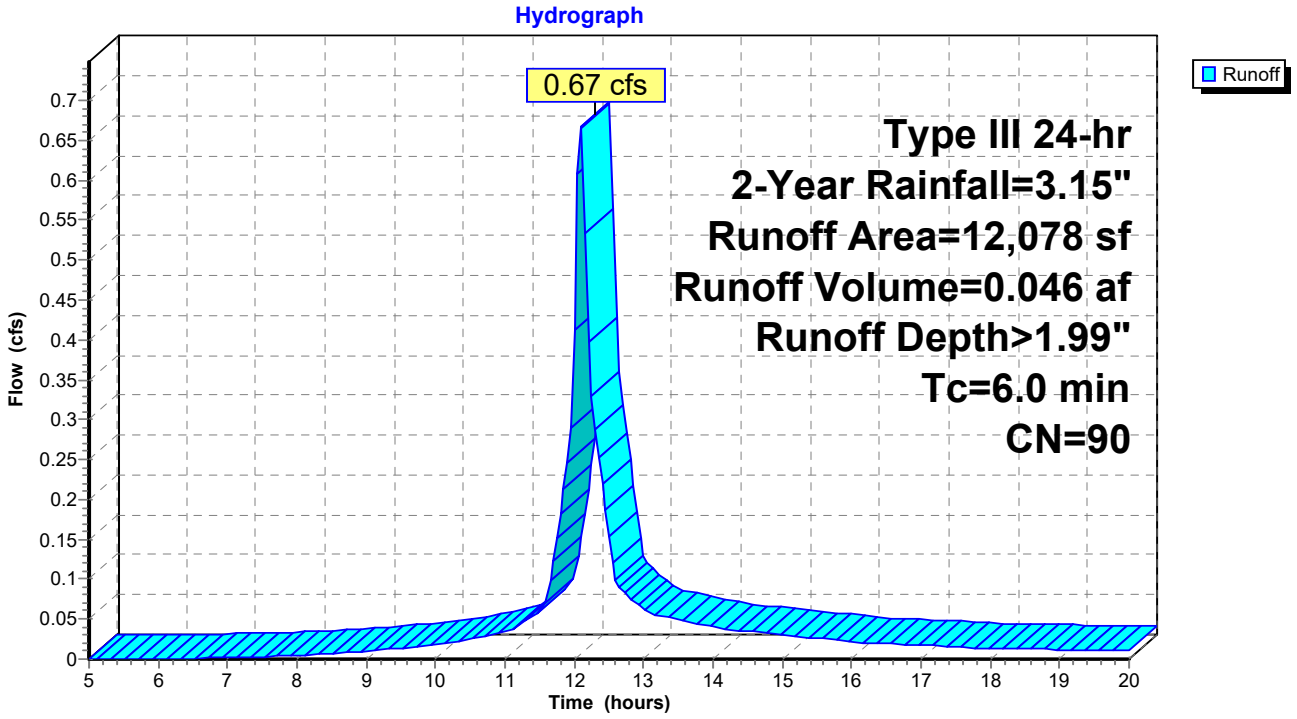
Runoff = 0.67 cfs @ 12.09 hrs, Volume= 0.046 af, Depth> 1.99"
Routed to Pond 191P : CB 42

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,763	98	Unconnected roofs, HSG A
1,707	39	>75% Grass cover, Good, HSG A
6,608	98	Paved parking, HSG A
12,078	90	Weighted Average
1,707		14.13% Pervious Area
10,371		85.87% Impervious Area
3,763		36.28% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 190S: (new Subcat)



Summary for Subcatchment 191S: P3SSS

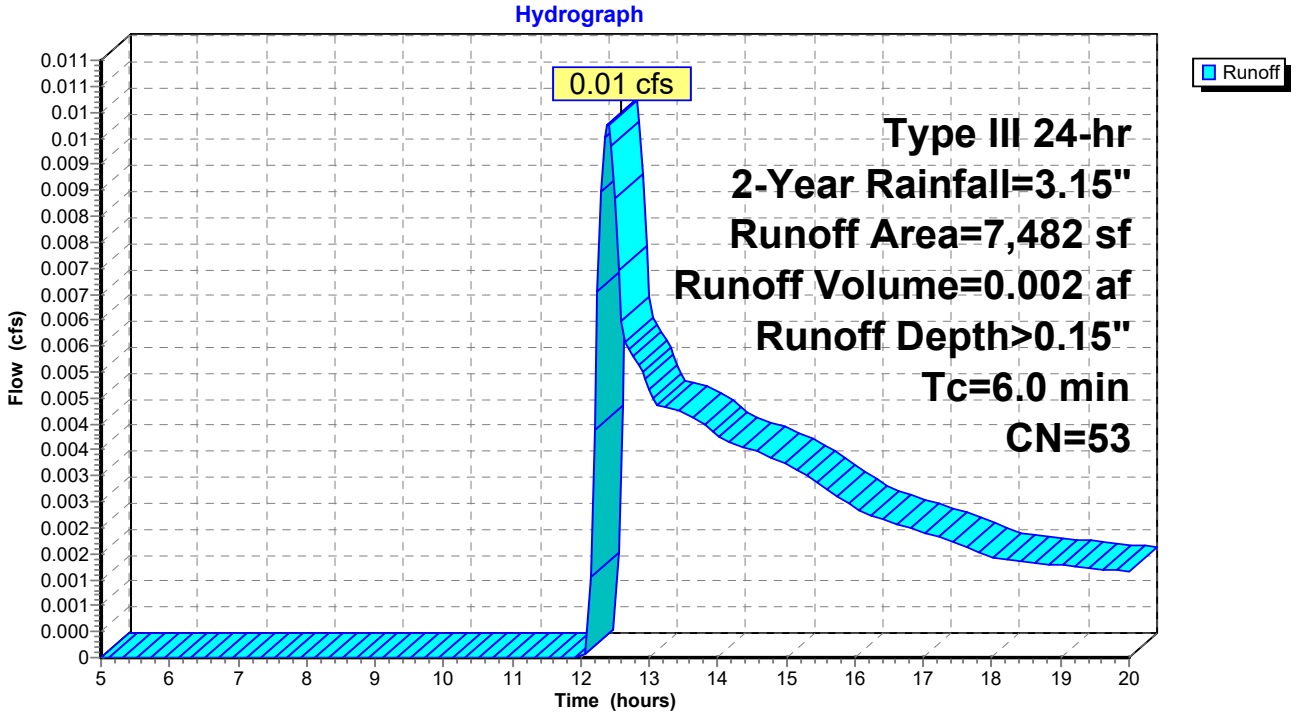
Runoff = 0.01 cfs @ 12.39 hrs, Volume= 0.002 af, Depth> 0.15"
Routed to Pond 193P : CB 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,068	39	>75% Grass cover, Good, HSG A
4,042	30	Woods, Good, HSG A
2,372	98	Paved parking, HSG A
7,482	53	Weighted Average
5,110		68.30% Pervious Area
2,372		31.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 191S: P3SSS



Summary for Subcatchment 192S: P3TTT

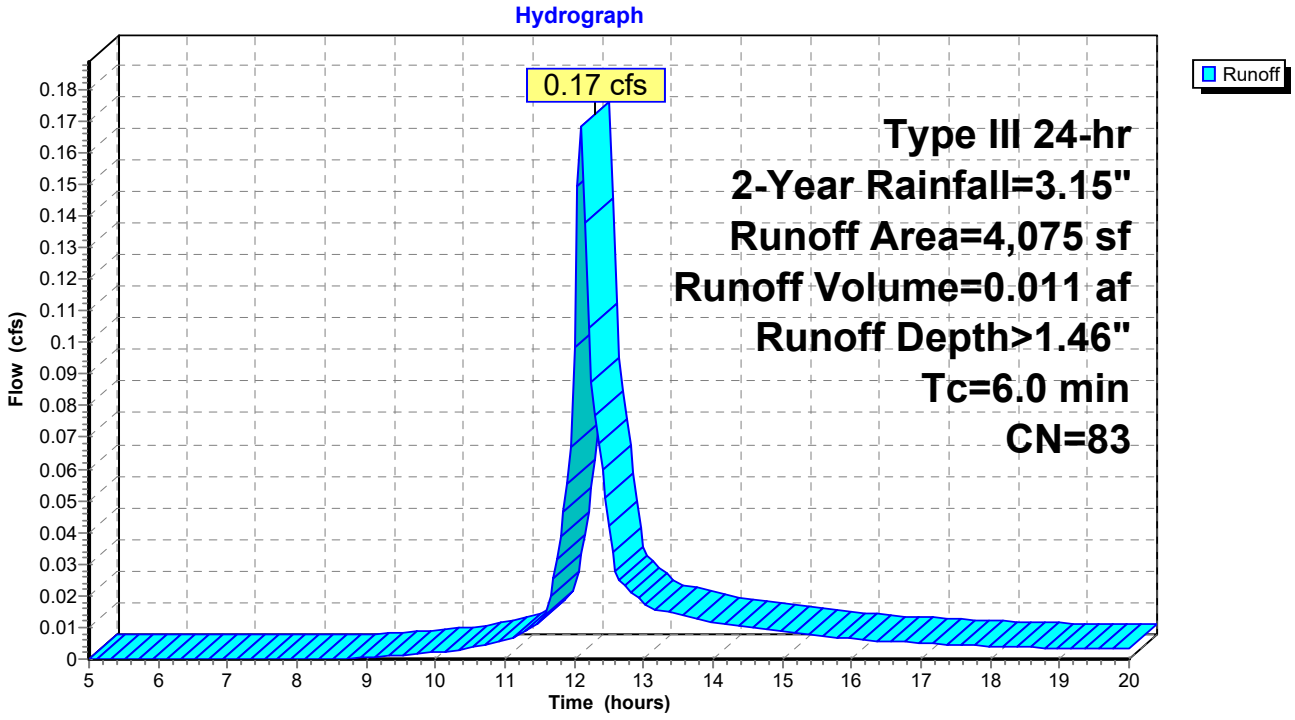
Runoff = 0.17 cfs @ 12.09 hrs, Volume= 0.011 af, Depth> 1.46"
Routed to Pond 194P : CB 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
1,044	39	>75% Grass cover, Good, HSG A
3,031	98	Paved parking, HSG A
4,075	83	Weighted Average
1,044		25.62% Pervious Area
3,031		74.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 192S: P3TTT



Summary for Subcatchment 195S: P3UUU

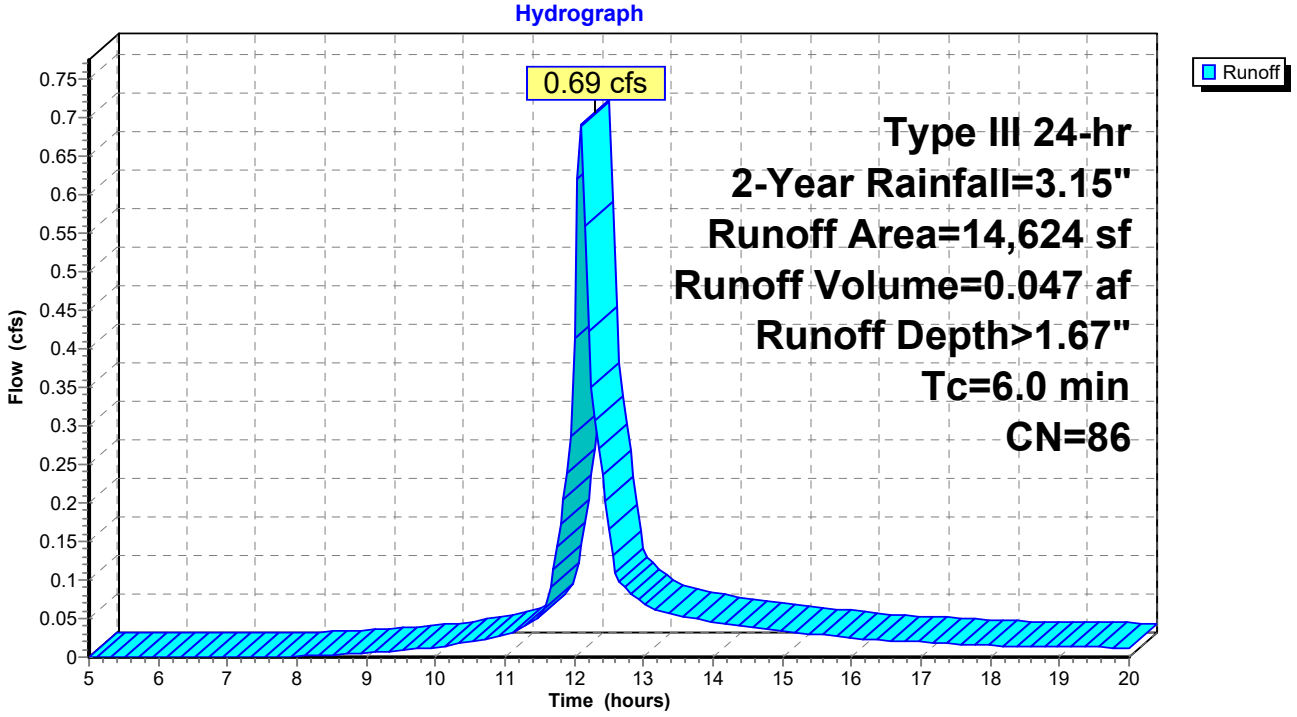
Runoff = 0.69 cfs @ 12.09 hrs, Volume= 0.047 af, Depth> 1.67"
Routed to Pond 196P : CB 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
2,892	39	>75% Grass cover, Good, HSG A
4,558	98	Unconnected roofs, HSG A
7,174	98	Paved parking, HSG A
14,624	86	Weighted Average
2,892		19.78% Pervious Area
11,732		80.22% Impervious Area
4,558		38.85% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 195S: P3UUU



Summary for Subcatchment 198S: P3VVV

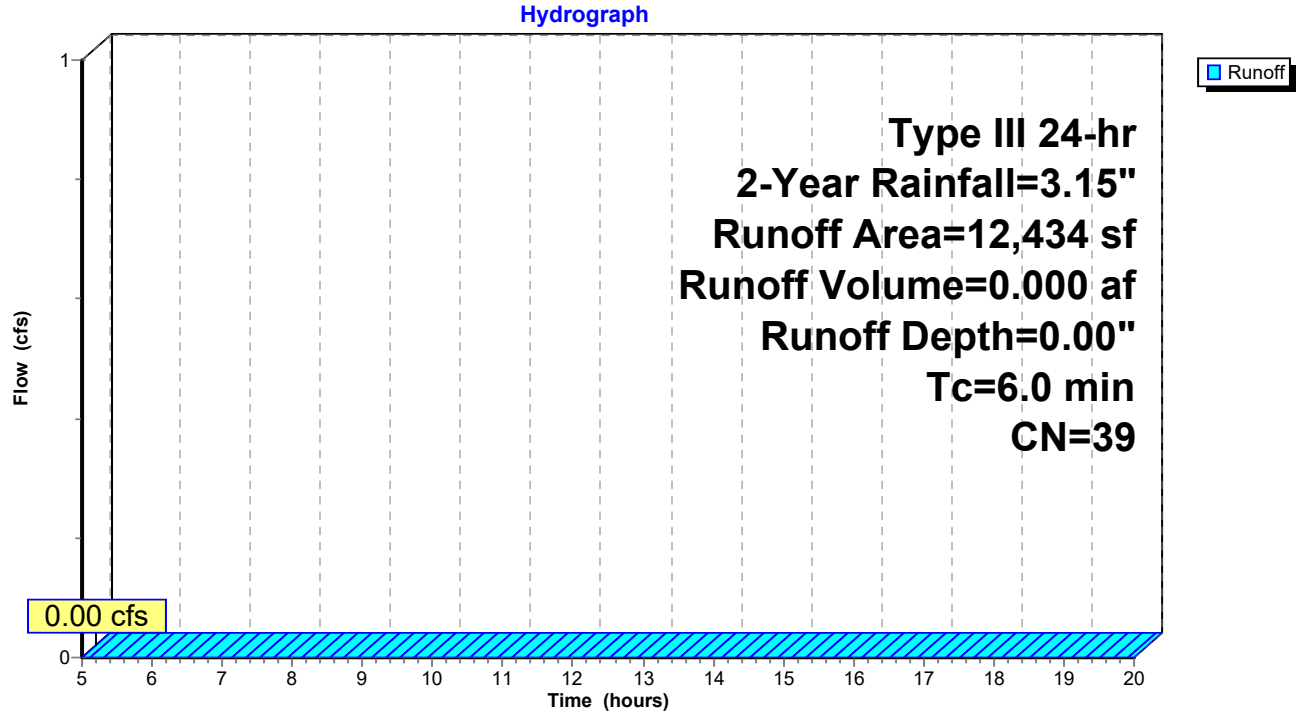
Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond 197P : Inf. Basin 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
12,434	39	>75% Grass cover, Good, HSG A
12,434		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 198S: P3VVV



Summary for Subcatchment 202S: (new Subcat)

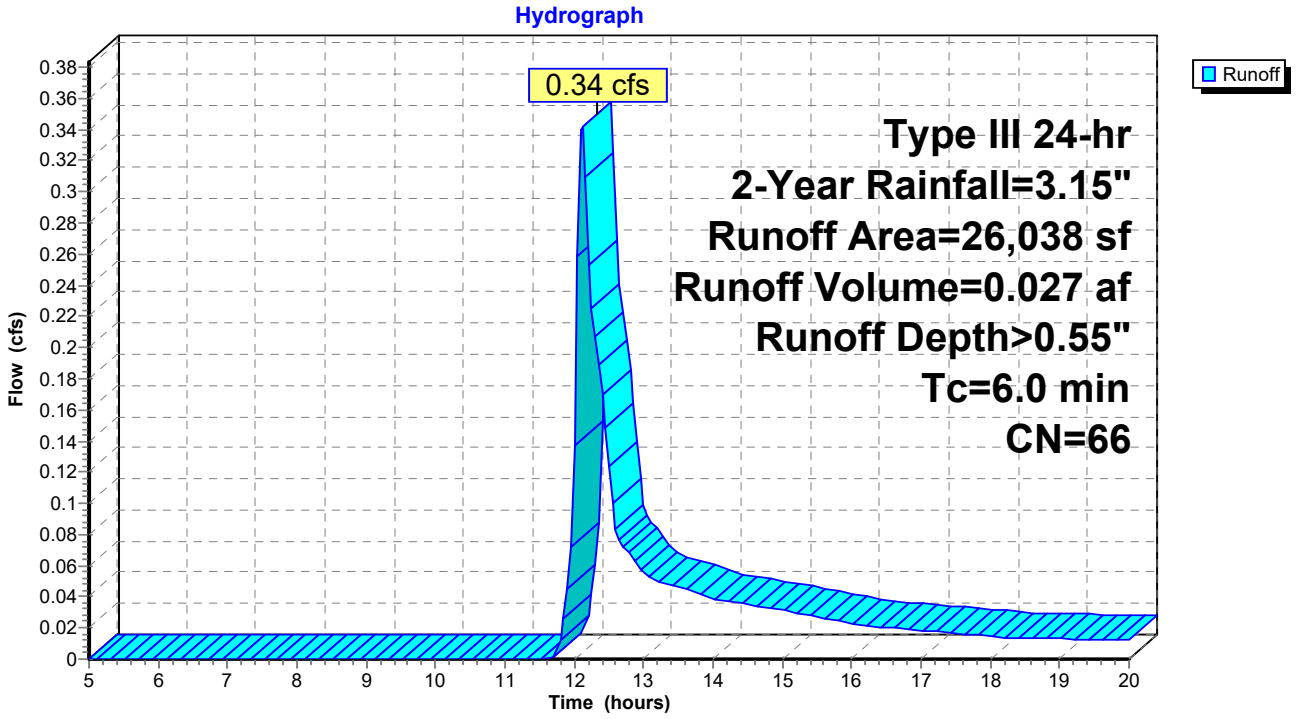
Runoff = 0.34 cfs @ 12.11 hrs, Volume= 0.027 af, Depth> 0.55"
Routed to Pond 201P : Sub. Inf. 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
9,091	98	Unconnected roofs, HSG A
2,905	98	Unconnected pavement, HSG A
14,042	39	>75% Grass cover, Good, HSG A
26,038	66	Weighted Average
14,042		53.93% Pervious Area
11,996		46.07% Impervious Area
11,996		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 202S: (new Subcat)



Summary for Subcatchment 204S: (new Subcat)

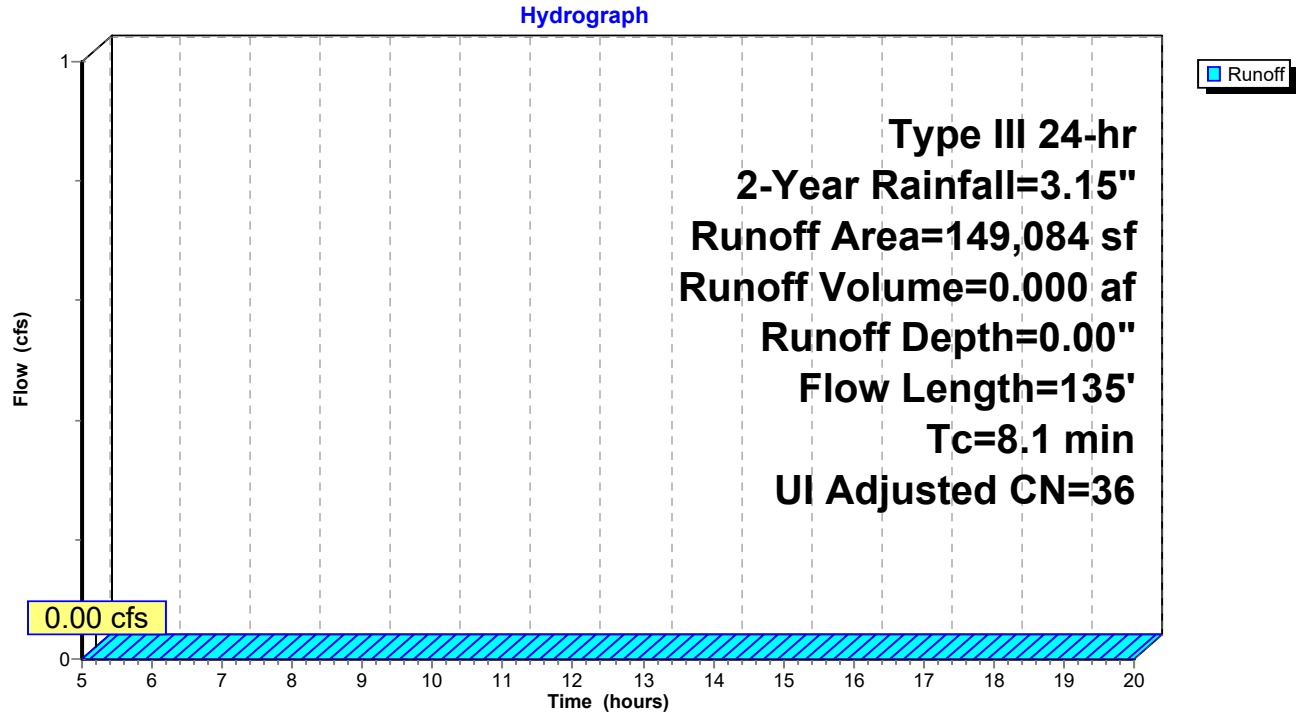
Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Link 203L : 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
72,013	30		Woods, Good, HSG A
71,711	39		>75% Grass cover, Good, HSG A
3,689	98		Unconnected roofs, HSG A
1,671	98		Unconnected pavement, HSG A
149,084	37	36	Weighted Average, UI Adjusted
143,724			96.40% Pervious Area
5,360			3.60% Impervious Area
5,360			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
0.6	85	0.1200	2.42		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
8.1	135	Total			

Subcatchment 204S: (new Subcat)



Summary for Subcatchment 205S: (new Subcat)

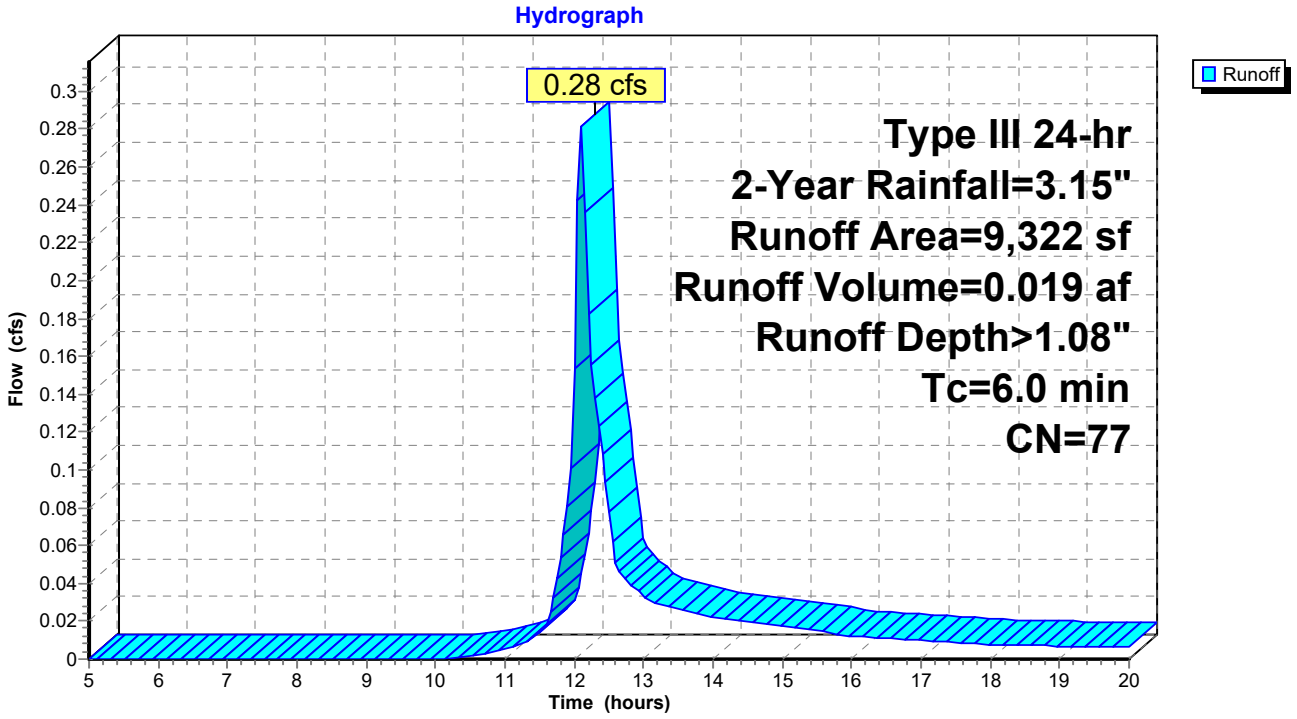
Runoff = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af, Depth> 1.08"
Routed to Pond 218P : CB A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
4,257	98	Paved parking, HSG A
1,759	98	Unconnected roofs, HSG A
3,306	39	>75% Grass cover, Good, HSG A
9,322	77	Weighted Average
3,306		35.46% Pervious Area
6,016		64.54% Impervious Area
1,759		29.24% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 205S: (new Subcat)



Summary for Subcatchment 206S: (new Subcat)

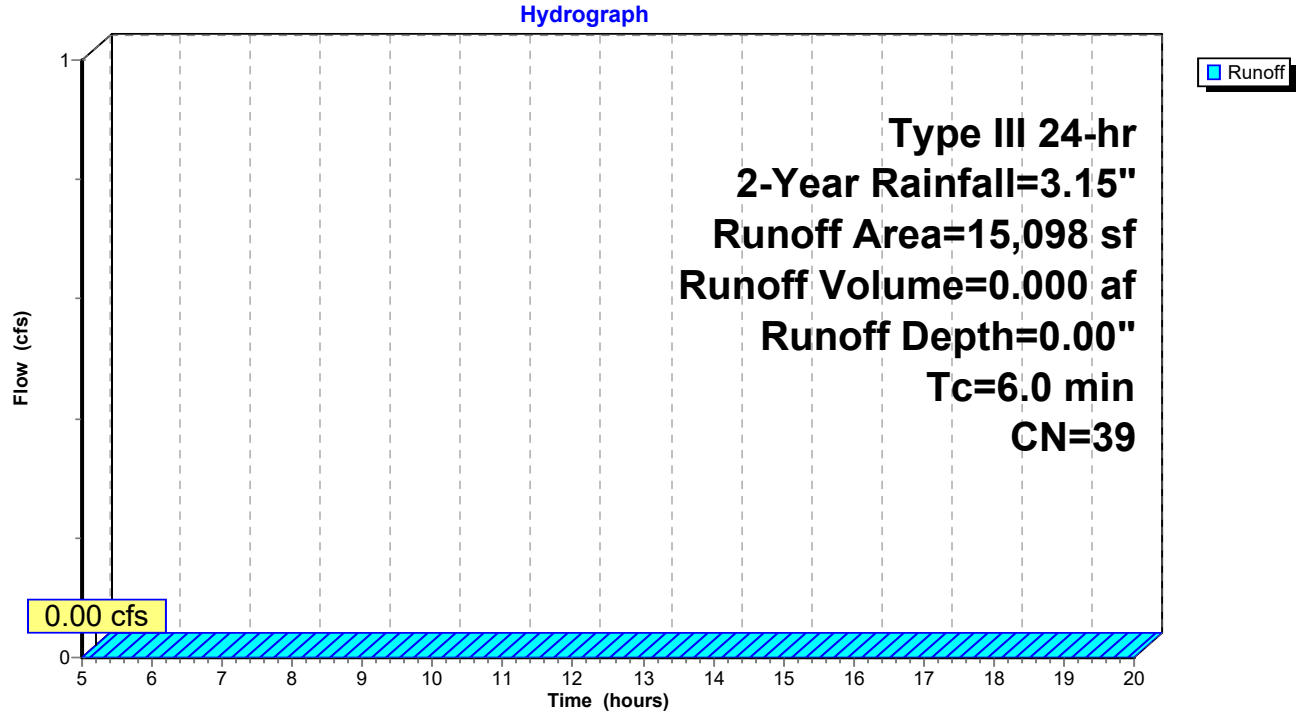
Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond 186P : Constructed Wetland 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
15,098	39	>75% Grass cover, Good, HSG A
15,098		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 206S: (new Subcat)



Summary for Subcatchment 207S: (new Subcat)

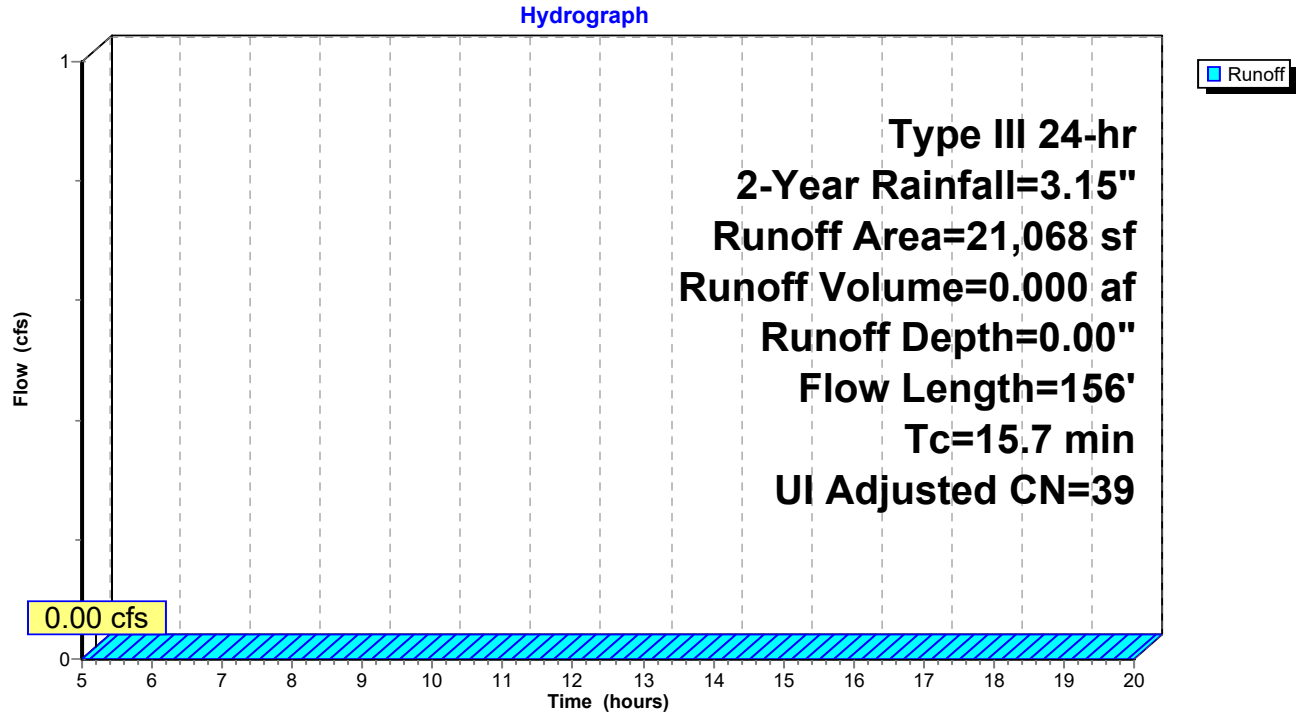
Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond 216P : CB 8A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Adj	Description
1,937	98		Unconnected roofs, HSG A
1,504	98		Paved parking, HSG A
16,314	30		Woods, Good, HSG A
1,313	39		>75% Grass cover, Good, HSG A
21,068	42	39	Weighted Average, UI Adjusted
17,627			83.67% Pervious Area
3,441			16.33% Impervious Area
1,937			56.29% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.5	50	0.0250	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
4.2	106	0.0070	0.42		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
15.7	156	Total			

Subcatchment 207S: (new Subcat)



Summary for Subcatchment 216S: (new Subcat)

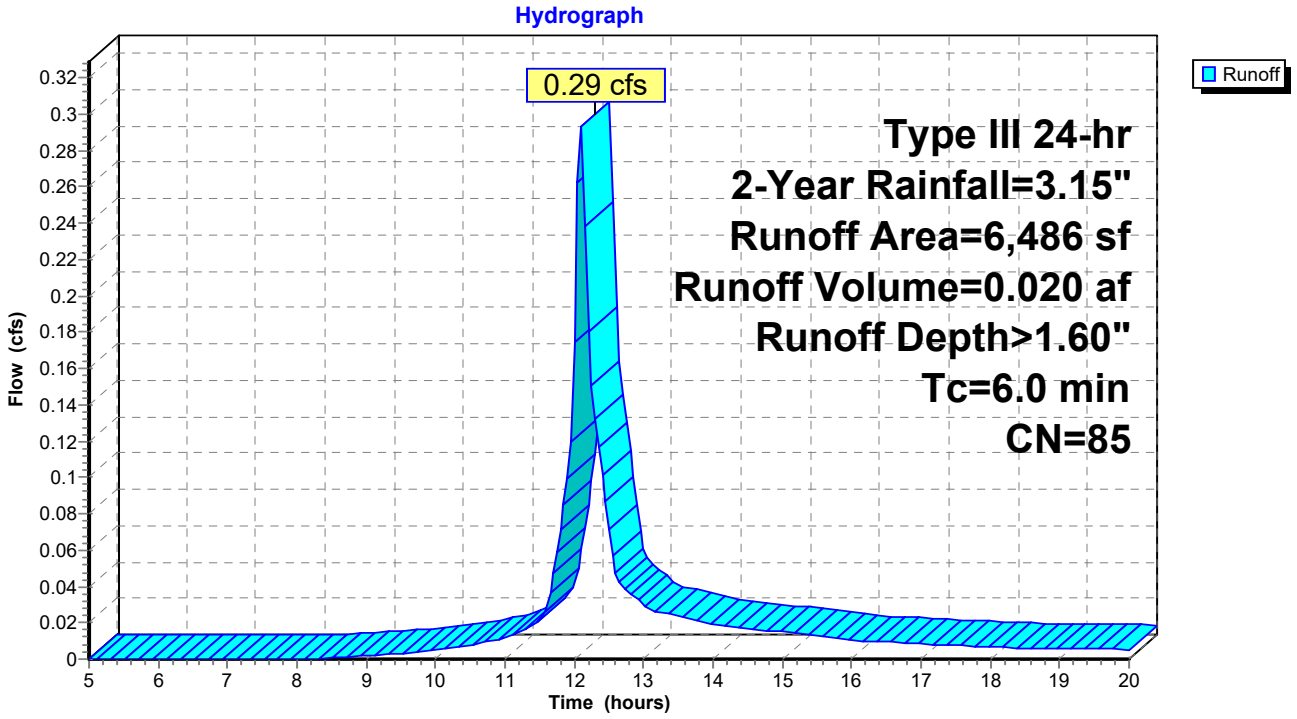
Runoff = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af, Depth> 1.60"
Routed to Pond 215P : CB 5A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.15"

Area (sf)	CN	Description
3,069	98	Paved parking, HSG A
1,946	98	Unconnected roofs, HSG A
1,471	39	>75% Grass cover, Good, HSG A
6,486	85	Weighted Average
1,471		22.68% Pervious Area
5,015		77.32% Impervious Area
1,946		38.80% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 216S: (new Subcat)



Summary for Pond 15P: Inf. Basin 5

Inflow Area = 2.511 ac, 70.09% Impervious, Inflow Depth > 2.12" for 2-Year event
Inflow = 6.18 cfs @ 12.09 hrs, Volume= 0.443 af
Outflow = 0.24 cfs @ 15.49 hrs, Volume= 0.203 af, Atten= 96%, Lag= 203.9 min
Discarded = 0.24 cfs @ 15.49 hrs, Volume= 0.203 af
Primary = 0.00 cfs @ 15.49 hrs, Volume= 0.000 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.75' @ 15.49 hrs Surf.Area= 7,683 sf Storage= 11,957 cf

Plug-Flow detention time= 198.1 min calculated for 0.203 af (46% of inflow)
Center-of-Mass det. time= 106.1 min (868.6 - 762.4)

Volume	Invert	Avail.Storage	Storage Description
#1	57.00'	31,893 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

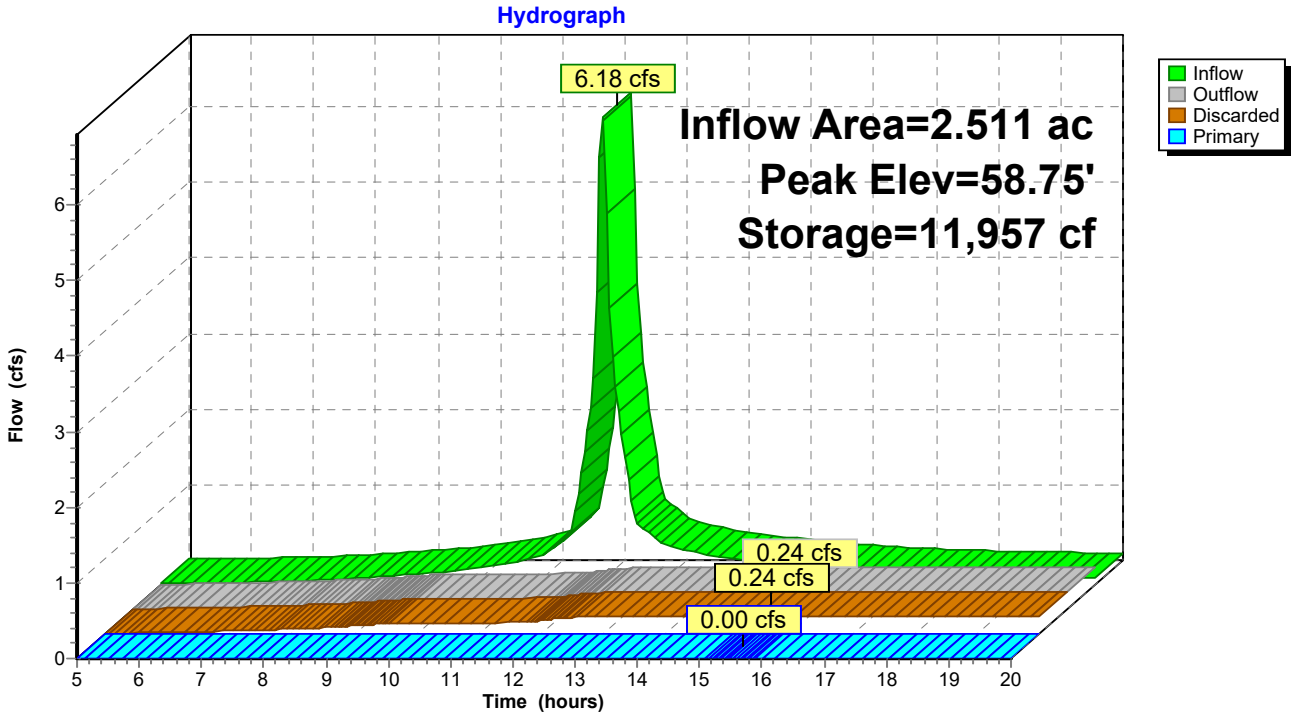
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
57.00	5,984	0	0
58.00	6,929	6,457	6,457
59.00	7,931	7,430	13,887
60.00	8,989	8,460	22,347
61.00	10,104	9,547	31,893

Device	Routing	Invert	Outlet Devices
#1	Discarded	57.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 52.00'
#2	Primary	57.00'	**18.0" Round Culvert** L= 67.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.00' / 52.50' S= 0.0672 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#3	Device 2	58.75'	**4.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	59.80'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.24 cfs @ 15.49 hrs HW=58.75' (Free Discharge)
└**1=Exfiltration** (Controls 0.24 cfs)

Primary OutFlow Max=0.00 cfs @ 15.49 hrs HW=58.75' (Free Discharge)
└**2=Culvert** (Passes 0.00 cfs of 6.73 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.18 fps)
  └**4=Orifice/Grate** (Controls 0.00 cfs)

Pond 15P: Inf. Basin 5



Stage-Area-Storage for Pond 15P: Inf. Basin 5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
57.00	5,984	0
57.05	6,031	300
57.10	6,079	603
57.15	6,126	908
57.20	6,173	1,216
57.25	6,220	1,526
57.30	6,267	1,838
57.35	6,315	2,152
57.40	6,362	2,469
57.45	6,409	2,788
57.50	6,457	3,110
57.55	6,504	3,434
57.60	6,551	3,761
57.65	6,598	4,089
57.70	6,646	4,420
57.75	6,693	4,754
57.80	6,740	5,090
57.85	6,787	5,428
57.90	6,834	5,768
57.95	6,882	6,111
58.00	6,929	6,457
58.05	6,979	6,804
58.10	7,029	7,154
58.15	7,079	7,507
58.20	7,129	7,862
58.25	7,180	8,220
58.30	7,230	8,580
58.35	7,280	8,943
58.40	7,330	9,308
58.45	7,380	9,676
58.50	7,430	10,046
58.55	7,480	10,419
58.60	7,530	10,794
58.65	7,580	11,172
58.70	7,630	11,552
58.75	7,681	11,935
58.80	7,731	12,320
58.85	7,781	12,708
58.90	7,831	13,098
58.95	7,881	13,491
59.00	7,931	13,887
59.05	7,984	14,284
59.10	8,037	14,685
59.15	8,090	15,088
59.20	8,143	15,494
59.25	8,196	15,902
59.30	8,248	16,313
59.35	8,301	16,727
59.40	8,354	17,144
59.45	8,407	17,563
59.50	8,460	17,984
59.55	8,513	18,409
59.60	8,566	18,836
59.65	8,619	19,265
59.70	8,672	19,697
59.75	8,725	20,132
59.80	8,777	20,570
59.85	8,830	21,010
59.90	8,883	21,453
59.95	8,936	21,898
60.00	8,989	22,347
60.05	9,045	22,797
60.10	9,101	23,251
60.15	9,156	23,707
60.20	9,212	24,167
60.25	9,268	24,629
60.30	9,323	25,093
60.35	9,379	25,561
60.40	9,435	26,031
60.45	9,491	26,504
60.50	9,547	26,980
60.55	9,602	27,459
60.60	9,658	27,941
60.65	9,714	28,425
60.70	9,770	28,912
60.75	9,825	29,402
60.80	9,881	29,894
60.85	9,937	30,390
60.90	9,992	30,888
60.95	10,048	31,389
61.00	**10,104**	**31,893**

Summary for Pond 16P: CB 58

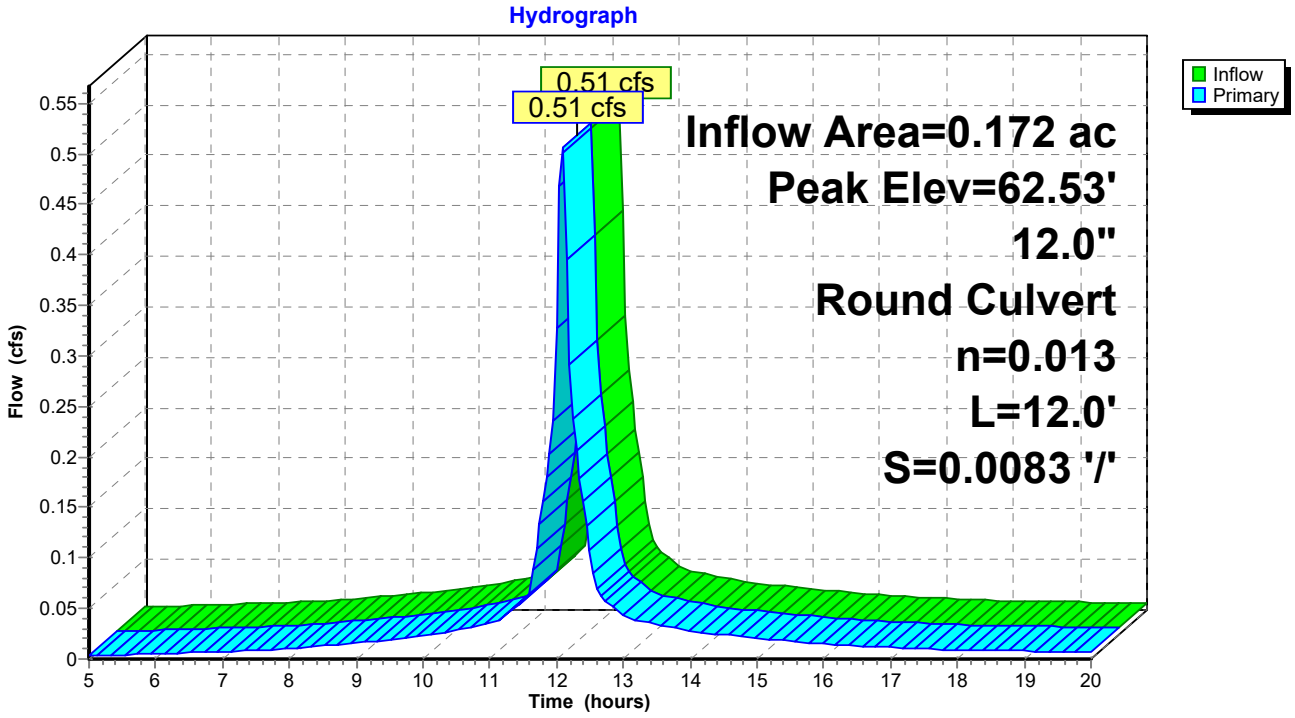
Inflow Area = 0.172 ac, 96.61% Impervious, Inflow Depth > 2.64" for 2-Year event
Inflow = 0.51 cfs @ 12.09 hrs, Volume= 0.038 af
Outflow = 0.51 cfs @ 12.09 hrs, Volume= 0.038 af, Atten= 0%, Lag= 0.0 min
Primary = 0.51 cfs @ 12.09 hrs, Volume= 0.038 af
Routed to Pond 20P : DMH 43

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.53' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 62.00' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.09 hrs HW=62.52' (Free Discharge)
1=Culvert (Barrel Controls 0.49 cfs @ 2.31 fps)

Pond 16P: CB 58



Stage-Area-Storage for Pond 16P: CB 58

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000		
62.59	0.000		
62.60	0.000		
62.61	0.000		
62.62	0.000		

Summary for Pond 17P: CB 59

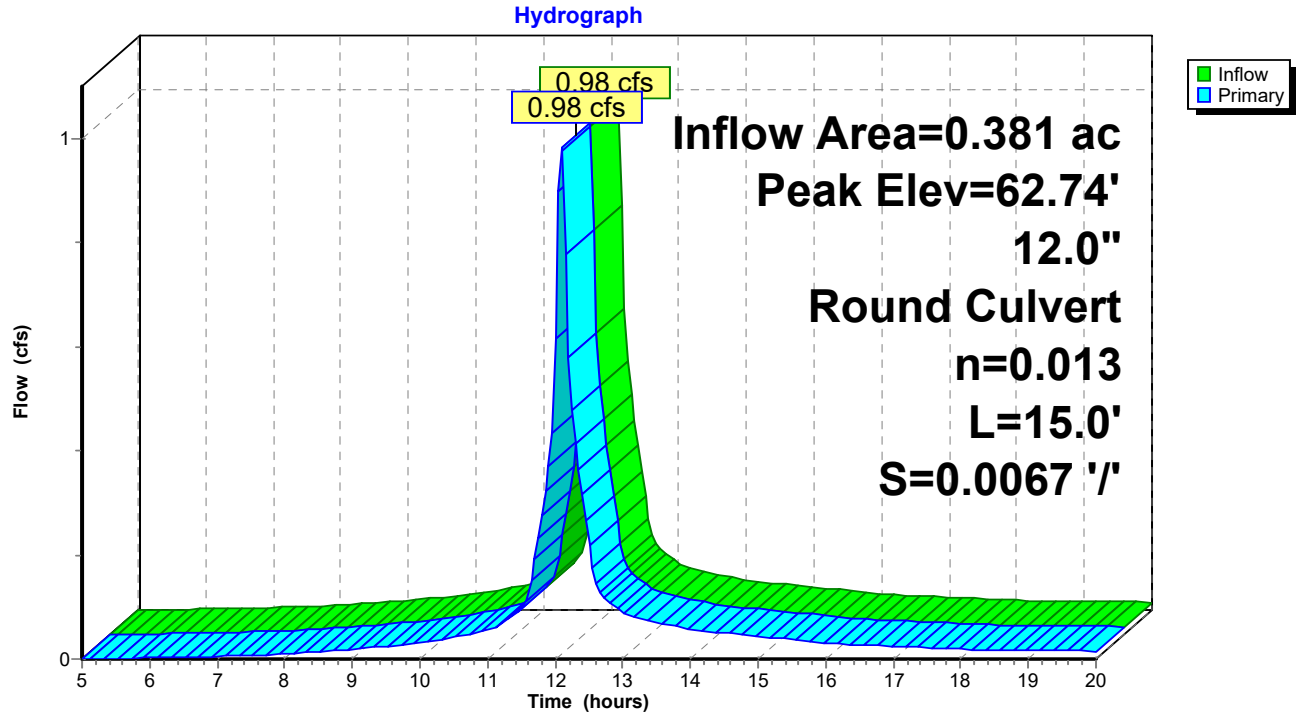
Inflow Area = 0.381 ac, 74.19% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.98 cfs @ 12.09 hrs, Volume= 0.069 af
Outflow = 0.98 cfs @ 12.09 hrs, Volume= 0.069 af, Atten= 0%, Lag= 0.0 min
Primary = 0.98 cfs @ 12.09 hrs, Volume= 0.069 af
Routed to Pond 20P : DMH 43

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.74' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 62.00' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.96 cfs @ 12.09 hrs HW=62.73' (Free Discharge)
1=Culvert (Barrel Controls 0.96 cfs @ 2.63 fps)

Pond 17P: CB 59



Stage-Area-Storage for Pond 17P: CB 59

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000		
62.59	0.000		
62.60	0.000		
62.61	0.000		
62.62	0.000		

Summary for Pond 18P: CB 63

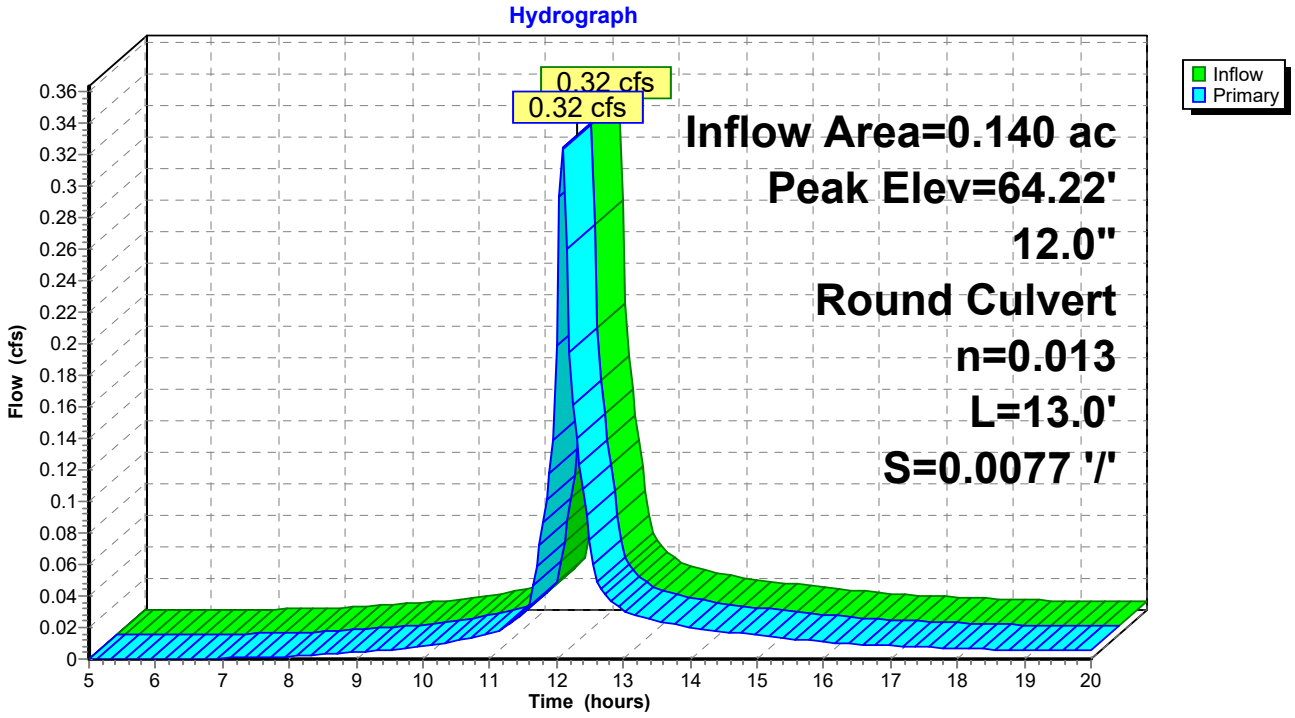
Inflow Area = 0.140 ac, 64.30% Impervious, Inflow Depth > 1.91" for 2-Year event
Inflow = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af
Outflow = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af, Atten= 0%, Lag= 0.0 min
Primary = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af
Routed to Pond 25P : DMH 45

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.22' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.88'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.88' / 63.78' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.32 cfs @ 12.09 hrs HW=64.21' (Free Discharge)
1=Culvert (Barrel Controls 0.32 cfs @ 2.08 fps)

Pond 18P: CB 63



Stage-Area-Storage for Pond 18P: CB 63

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.88	**0.000**	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000	64.69	0.000
64.17	0.000	64.70	0.000
64.18	0.000	64.71	0.000
64.19	0.000	64.72	0.000
64.20	0.000	64.73	0.000
64.21	0.000	64.74	0.000
64.22	0.000	64.75	0.000
64.23	0.000	64.76	0.000
64.24	0.000	64.77	0.000
64.25	0.000	64.78	0.000
64.26	0.000	64.79	0.000
64.27	0.000	64.80	0.000
64.28	0.000	64.81	0.000
64.29	0.000	64.82	0.000
64.30	0.000	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000		
64.37	0.000		
64.38	0.000		
64.39	0.000		
64.40	0.000		

Summary for Pond 19P: CB 62

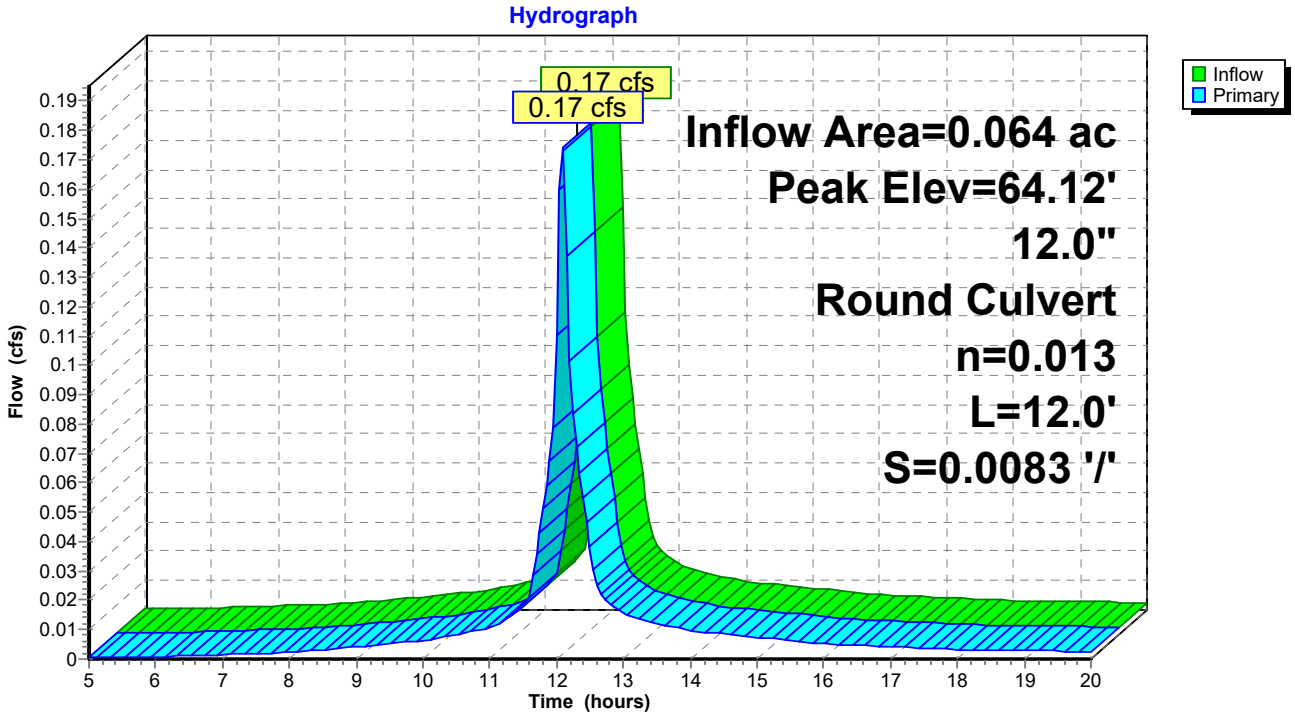
Inflow Area = 0.064 ac, 81.50% Impervious, Inflow Depth > 2.36" for 2-Year event
Inflow = 0.17 cfs @ 12.09 hrs, Volume= 0.012 af
Outflow = 0.17 cfs @ 12.09 hrs, Volume= 0.012 af, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.09 hrs, Volume= 0.012 af
Routed to Pond 25P : DMH 45

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.12' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.88'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.88' / 63.78' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=64.11' (Free Discharge)
1=Culvert (Barrel Controls 0.17 cfs @ 1.83 fps)

Pond 19P: CB 62



Stage-Area-Storage for Pond 19P: CB 62

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.88	**0.000**	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000	64.69	0.000
64.17	0.000	64.70	0.000
64.18	0.000	64.71	0.000
64.19	0.000	64.72	0.000
64.20	0.000	64.73	0.000
64.21	0.000	64.74	0.000
64.22	0.000	64.75	0.000
64.23	0.000	64.76	0.000
64.24	0.000	64.77	0.000
64.25	0.000	64.78	0.000
64.26	0.000	64.79	0.000
64.27	0.000	64.80	0.000
64.28	0.000	64.81	0.000
64.29	0.000	64.82	0.000
64.30	0.000	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000		
64.37	0.000		
64.38	0.000		
64.39	0.000		
64.40	0.000		

Summary for Pond 20P: DMH 43

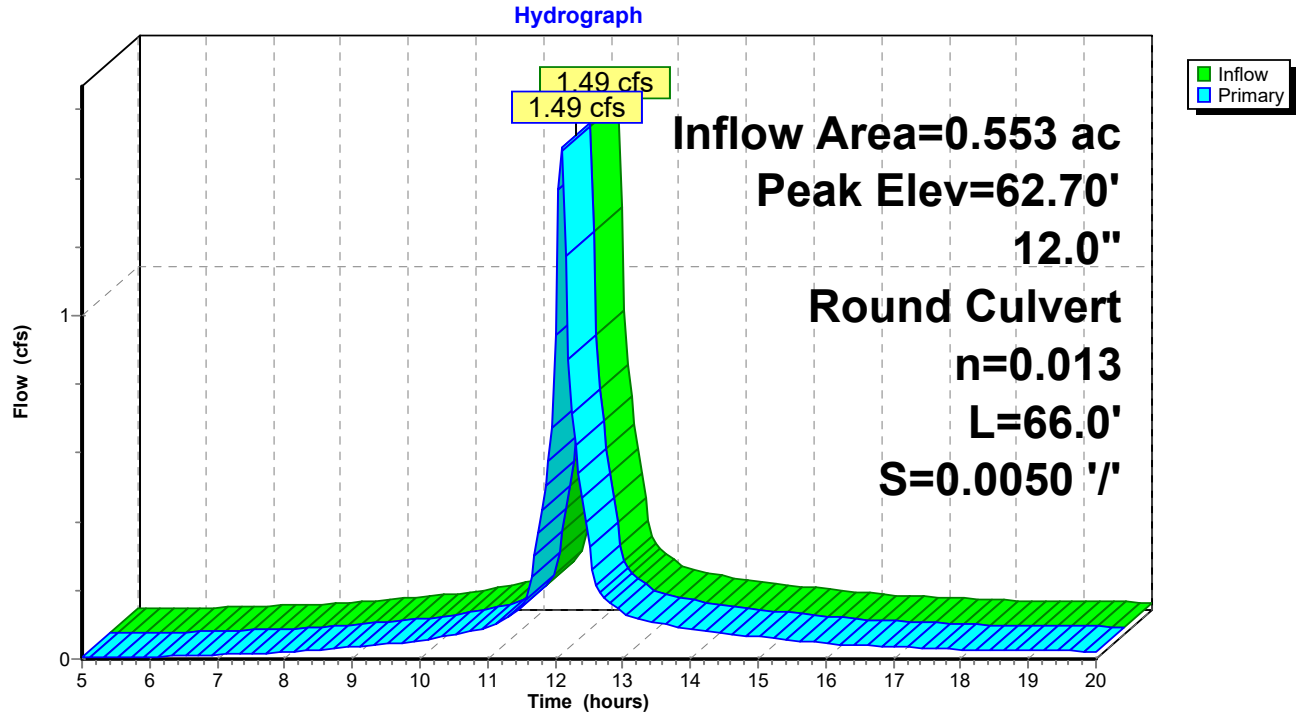
Inflow Area = 0.553 ac, 81.18% Impervious, Inflow Depth > 2.32" for 2-Year event
Inflow = 1.49 cfs @ 12.09 hrs, Volume= 0.107 af
Outflow = 1.49 cfs @ 12.09 hrs, Volume= 0.107 af, Atten= 0%, Lag= 0.0 min
Primary = 1.49 cfs @ 12.09 hrs, Volume= 0.107 af
Routed to Pond 21P : DMH 42

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.70' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.90'	**12.0" Round Culvert** L= 66.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.90' / 61.57' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.45 cfs @ 12.09 hrs HW=62.69' (Free Discharge)
1=Culvert (Barrel Controls 1.45 cfs @ 3.02 fps)

Pond 20P: DMH 43



Stage-Area-Storage for Pond 20P: DMH 43

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.90	**0.000**	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000	62.51	0.000
61.99	0.000	62.52	0.000
62.00	0.000	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000		
62.39	0.000		
62.40	0.000		
62.41	0.000		
62.42	0.000		

Summary for Pond 21P: DMH 42

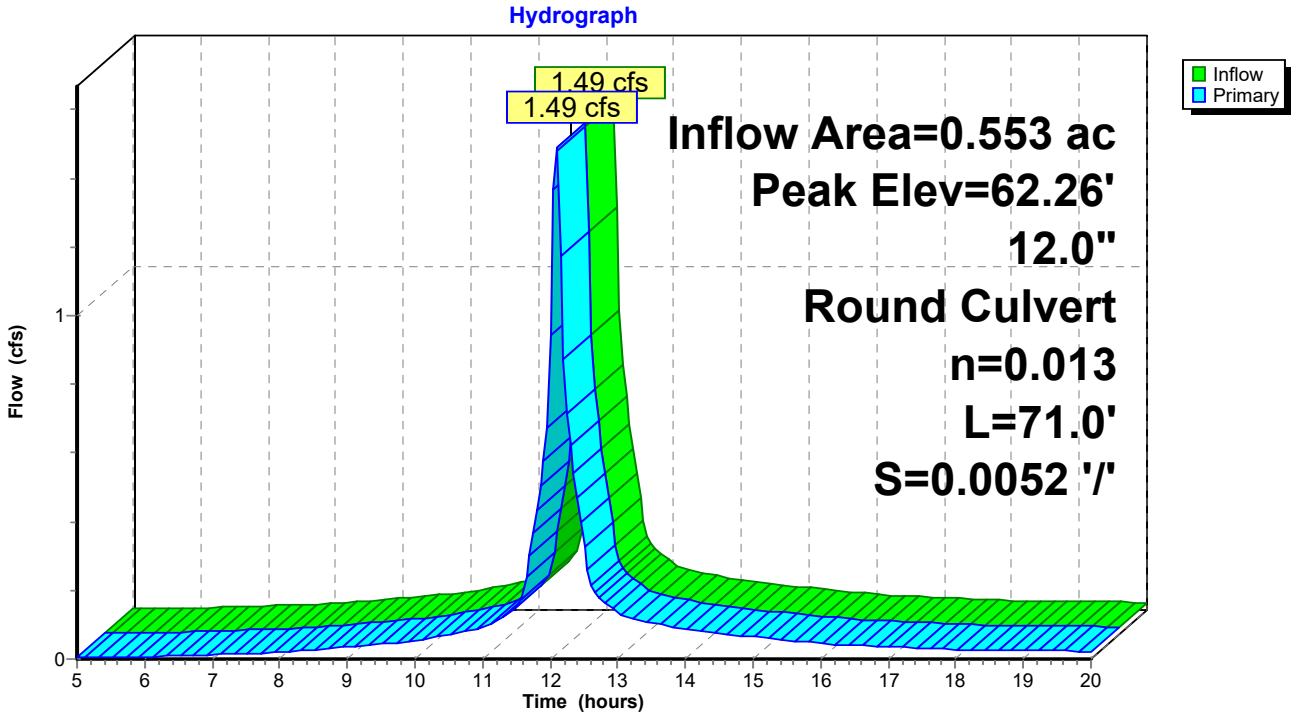
Inflow Area = 0.553 ac, 81.18% Impervious, Inflow Depth > 2.32" for 2-Year event
Inflow = 1.49 cfs @ 12.09 hrs, Volume= 0.107 af
Outflow = 1.49 cfs @ 12.09 hrs, Volume= 0.107 af, Atten= 0%, Lag= 0.0 min
Primary = 1.49 cfs @ 12.09 hrs, Volume= 0.107 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.26' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.47'	**12.0" Round Culvert** L= 71.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.47' / 61.10' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.45 cfs @ 12.09 hrs HW=62.25' (Free Discharge)
1=Culvert (Barrel Controls 1.45 cfs @ 3.06 fps)

Pond 21P: DMH 42



Stage-Area-Storage for Pond 21P: DMH 42

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.47	**0.000**	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000		
61.96	0.000		
61.97	0.000		
61.98	0.000		
61.99	0.000		

Summary for Pond 22P: CB 56

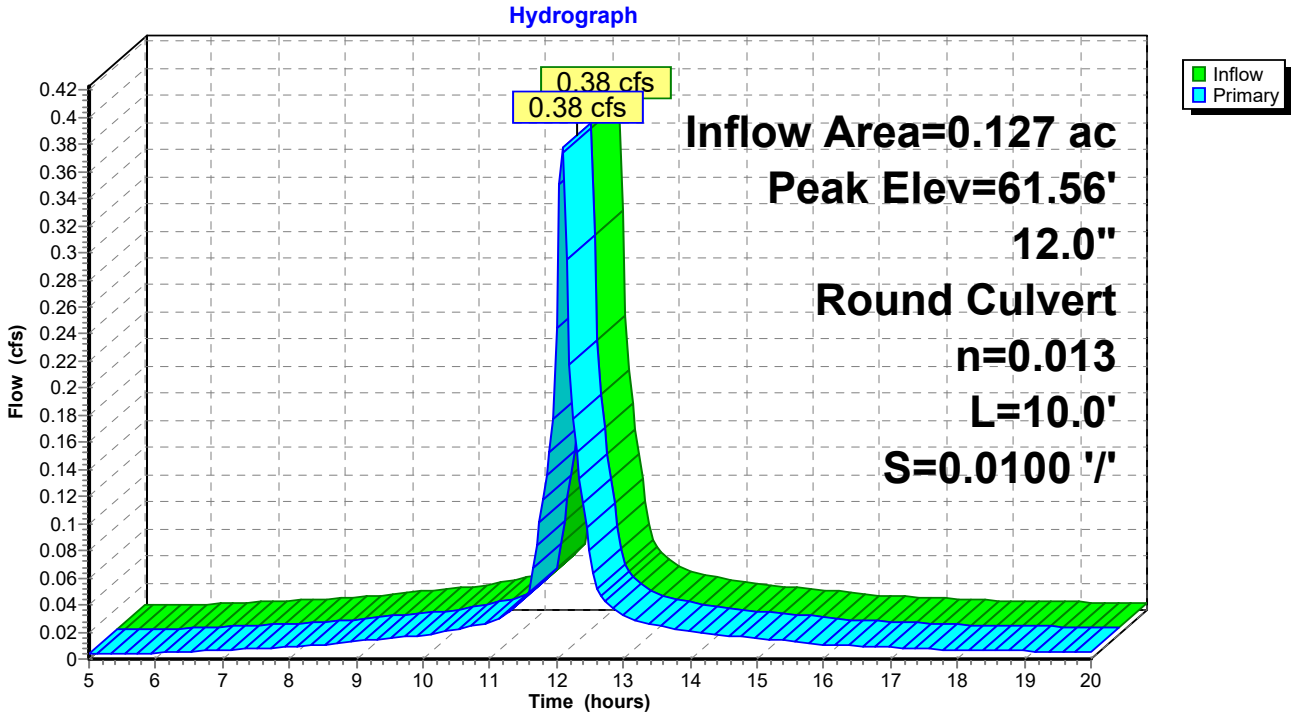
Inflow Area = 0.127 ac,100.00% Impervious, Inflow Depth > 2.73" for 2-Year event
Inflow = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af
Outflow = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.56' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.20'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.20' / 61.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.09 hrs HW=61.55' (Free Discharge)
1=Culvert (Barrel Controls 0.37 cfs @ 2.20 fps)

Pond 22P: CB 56



Stage-Area-Storage for Pond 22P: CB 56

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.20	**0.000**	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000		
61.69	0.000		
61.70	0.000		
61.71	0.000		
61.72	0.000		

Summary for Pond 23P: CB 57

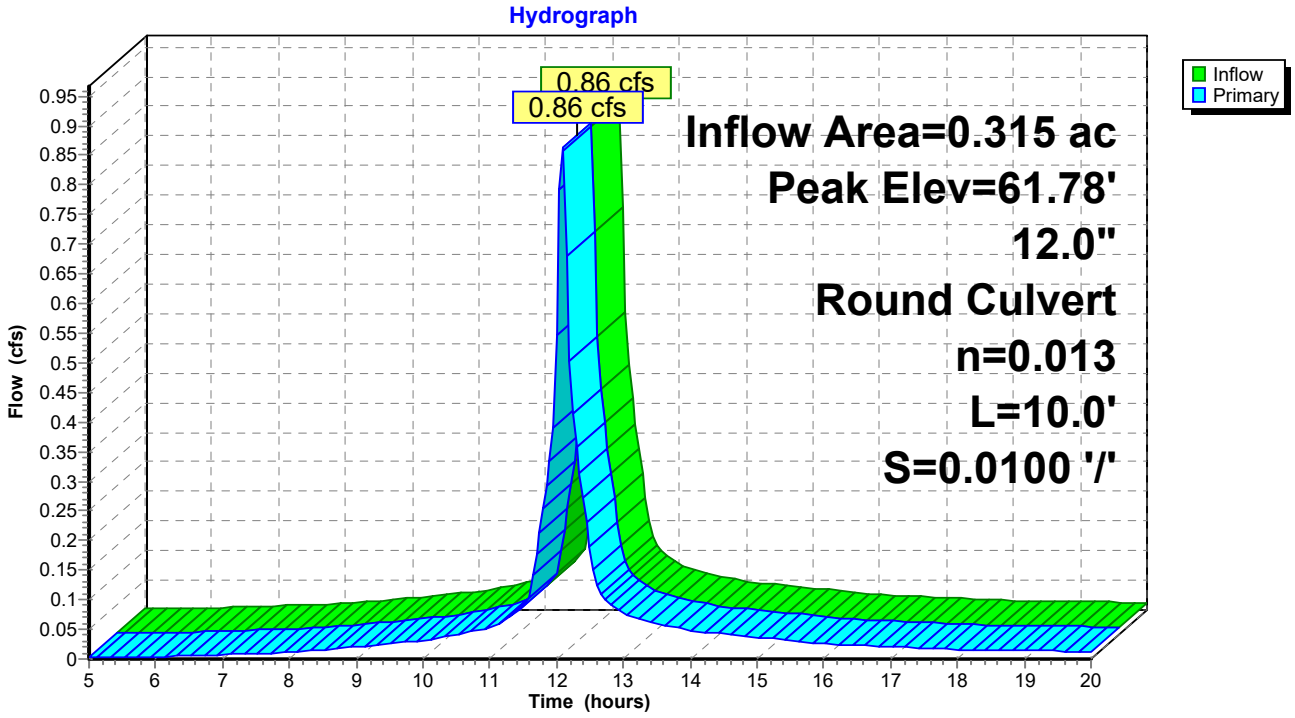
Inflow Area = 0.315 ac, 81.38% Impervious, Inflow Depth > 2.36" for 2-Year event
Inflow = 0.86 cfs @ 12.09 hrs, Volume= 0.062 af
Outflow = 0.86 cfs @ 12.09 hrs, Volume= 0.062 af, Atten= 0%, Lag= 0.0 min
Primary = 0.86 cfs @ 12.09 hrs, Volume= 0.062 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.20'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.20' / 61.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=61.77' (Free Discharge)
1=Culvert (Barrel Controls 0.84 cfs @ 2.63 fps)

Pond 23P: CB 57



Stage-Area-Storage for Pond 23P: CB 57

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.20	**0.000**	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000		
61.69	0.000		
61.70	0.000		
61.71	0.000		
61.72	0.000		

Summary for Pond 24P: DMH 41

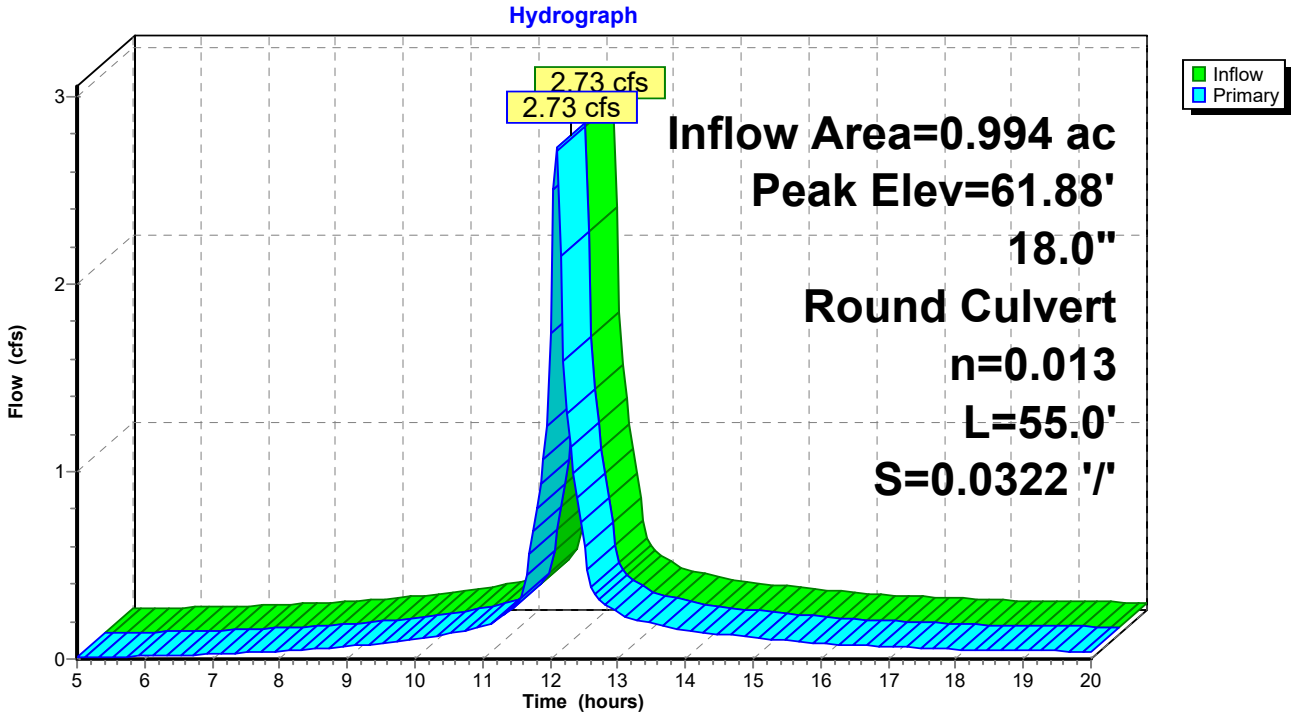
Inflow Area = 0.994 ac, 83.63% Impervious, Inflow Depth > 2.38" for 2-Year event
Inflow = 2.73 cfs @ 12.09 hrs, Volume= 0.197 af
Outflow = 2.73 cfs @ 12.09 hrs, Volume= 0.197 af, Atten= 0%, Lag= 0.0 min
Primary = 2.73 cfs @ 12.09 hrs, Volume= 0.197 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.88' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**18.0" Round Culvert** L= 55.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 59.23' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.66 cfs @ 12.09 hrs HW=61.87' (Free Discharge)
1=Culvert (Inlet Controls 2.66 cfs @ 2.51 fps)

Pond 24P: DMH 41



Stage-Area-Storage for Pond 24P: DMH 41

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	61.53	0.000	62.06	0.000
61.01	0.000	61.54	0.000	62.07	0.000
61.02	0.000	61.55	0.000	62.08	0.000
61.03	0.000	61.56	0.000	62.09	0.000
61.04	0.000	61.57	0.000	62.10	0.000
61.05	0.000	61.58	0.000	62.11	0.000
61.06	0.000	61.59	0.000	62.12	0.000
61.07	0.000	61.60	0.000	62.13	0.000
61.08	0.000	61.61	0.000	62.14	0.000
61.09	0.000	61.62	0.000	62.15	0.000
61.10	0.000	61.63	0.000	62.16	0.000
61.11	0.000	61.64	0.000	62.17	0.000
61.12	0.000	61.65	0.000	62.18	0.000
61.13	0.000	61.66	0.000	62.19	0.000
61.14	0.000	61.67	0.000	62.20	0.000
61.15	0.000	61.68	0.000	62.21	0.000
61.16	0.000	61.69	0.000	62.22	0.000
61.17	0.000	61.70	0.000	62.23	0.000
61.18	0.000	61.71	0.000	62.24	0.000
61.19	0.000	61.72	0.000	62.25	0.000
61.20	0.000	61.73	0.000	62.26	0.000
61.21	0.000	61.74	0.000	62.27	0.000
61.22	0.000	61.75	0.000	62.28	0.000
61.23	0.000	61.76	0.000	62.29	0.000
61.24	0.000	61.77	0.000	62.30	0.000
61.25	0.000	61.78	0.000	62.31	0.000
61.26	0.000	61.79	0.000	62.32	0.000
61.27	0.000	61.80	0.000	62.33	0.000
61.28	0.000	61.81	0.000	62.34	0.000
61.29	0.000	61.82	0.000	62.35	0.000
61.30	0.000	61.83	0.000	62.36	0.000
61.31	0.000	61.84	0.000	62.37	0.000
61.32	0.000	61.85	0.000	62.38	0.000
61.33	0.000	61.86	0.000	62.39	0.000
61.34	0.000	61.87	0.000	62.40	0.000
61.35	0.000	61.88	0.000	62.41	0.000
61.36	0.000	61.89	0.000	62.42	0.000
61.37	0.000	61.90	0.000	62.43	0.000
61.38	0.000	61.91	0.000	62.44	0.000
61.39	0.000	61.92	0.000	62.45	0.000
61.40	0.000	61.93	0.000	62.46	0.000
61.41	0.000	61.94	0.000	62.47	0.000
61.42	0.000	61.95	0.000	62.48	0.000
61.43	0.000	61.96	0.000	62.49	0.000
61.44	0.000	61.97	0.000	62.50	0.000
61.45	0.000	61.98	0.000		
61.46	0.000	61.99	0.000		
61.47	0.000	62.00	0.000		
61.48	0.000	62.01	0.000		
61.49	0.000	62.02	0.000		
61.50	0.000	62.03	0.000		
61.51	0.000	62.04	0.000		
61.52	0.000	62.05	0.000		

Summary for Pond 25P: DMH 45

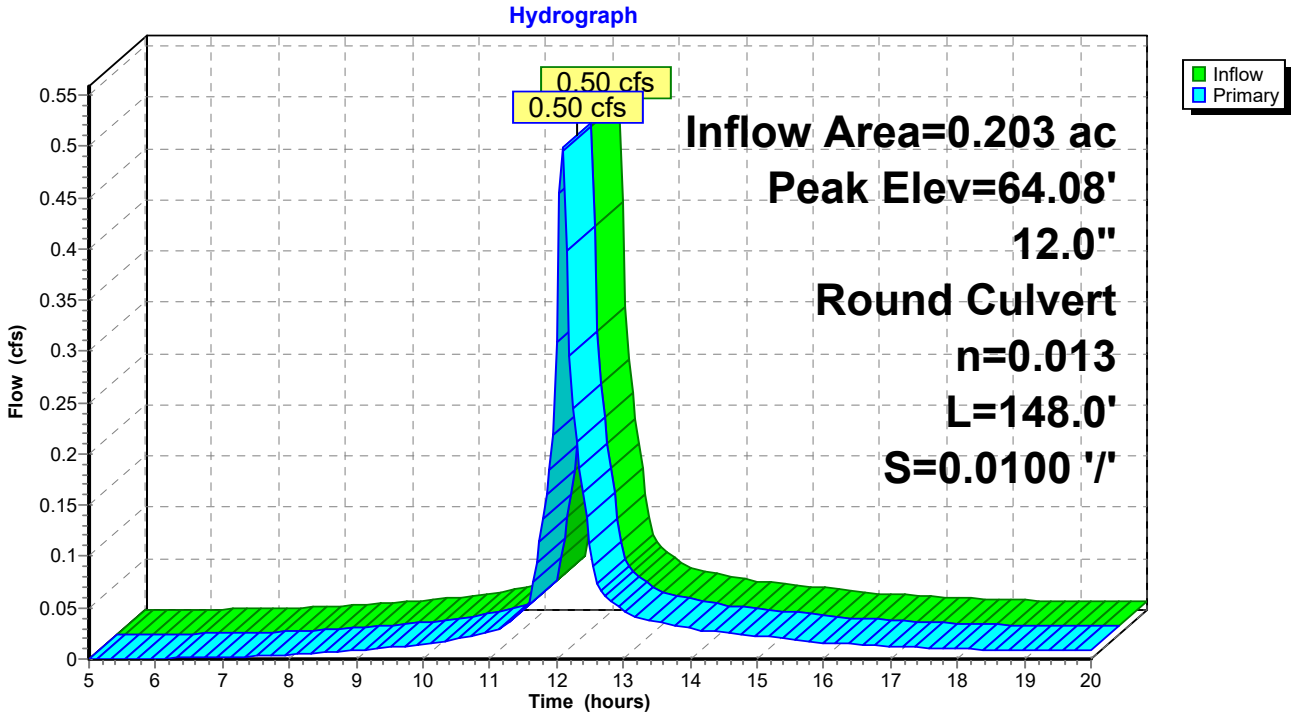
Inflow Area = 0.203 ac, 69.67% Impervious, Inflow Depth > 2.05" for 2-Year event
Inflow = 0.50 cfs @ 12.09 hrs, Volume= 0.035 af
Outflow = 0.50 cfs @ 12.09 hrs, Volume= 0.035 af, Atten= 0%, Lag= 0.0 min
Primary = 0.50 cfs @ 12.09 hrs, Volume= 0.035 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.08' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.68'	**12.0" Round Culvert** L= 148.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.68' / 62.20' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.09 hrs HW=64.07' (Free Discharge)
1=Culvert (Inlet Controls 0.49 cfs @ 1.69 fps)

Pond 25P: DMH 45



Stage-Area-Storage for Pond 25P: DMH 45

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.68	**0.000**	64.21	0.000
63.69	0.000	64.22	0.000
63.70	0.000	64.23	0.000
63.71	0.000	64.24	0.000
63.72	0.000	64.25	0.000
63.73	0.000	64.26	0.000
63.74	0.000	64.27	0.000
63.75	0.000	64.28	0.000
63.76	0.000	64.29	0.000
63.77	0.000	64.30	0.000
63.78	0.000	64.31	0.000
63.79	0.000	64.32	0.000
63.80	0.000	64.33	0.000
63.81	0.000	64.34	0.000
63.82	0.000	64.35	0.000
63.83	0.000	64.36	0.000
63.84	0.000	64.37	0.000
63.85	0.000	64.38	0.000
63.86	0.000	64.39	0.000
63.87	0.000	64.40	0.000
63.88	0.000	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000		
64.17	0.000		
64.18	0.000		
64.19	0.000		
64.20	0.000		

Summary for Pond 26P: CB 61

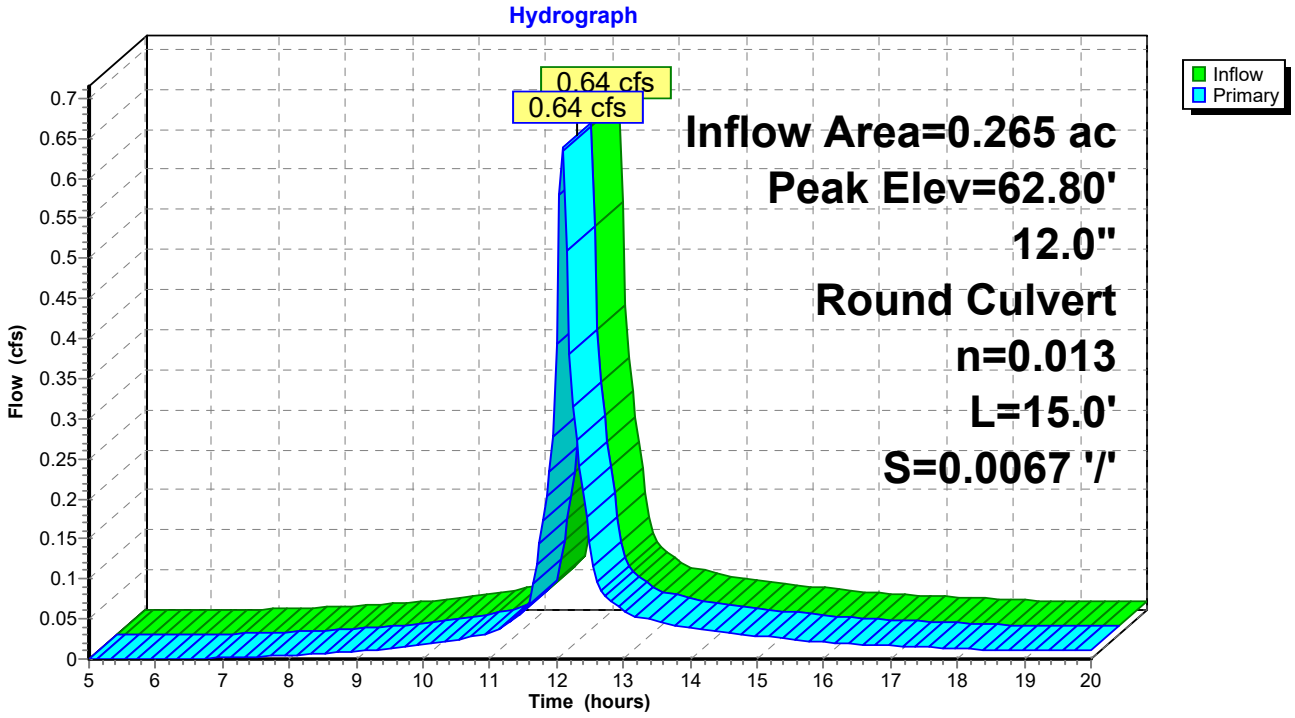
Inflow Area = 0.265 ac, 66.20% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 0.64 cfs @ 12.09 hrs, Volume= 0.044 af
Outflow = 0.64 cfs @ 12.09 hrs, Volume= 0.044 af, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.09 hrs, Volume= 0.044 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.80' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.30'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.30' / 62.20' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=62.79' (Free Discharge)
1=Culvert (Barrel Controls 0.62 cfs @ 2.38 fps)

Pond 26P: CB 61



Stage-Area-Storage for Pond 26P: CB 61

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.30	**0.000**	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000	63.11	0.000
62.59	0.000	63.12	0.000
62.60	0.000	63.13	0.000
62.61	0.000	63.14	0.000
62.62	0.000	63.15	0.000
62.63	0.000	63.16	0.000
62.64	0.000	63.17	0.000
62.65	0.000	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000		
62.79	0.000		
62.80	0.000		
62.81	0.000		
62.82	0.000		

Summary for Pond 27P: CB 60

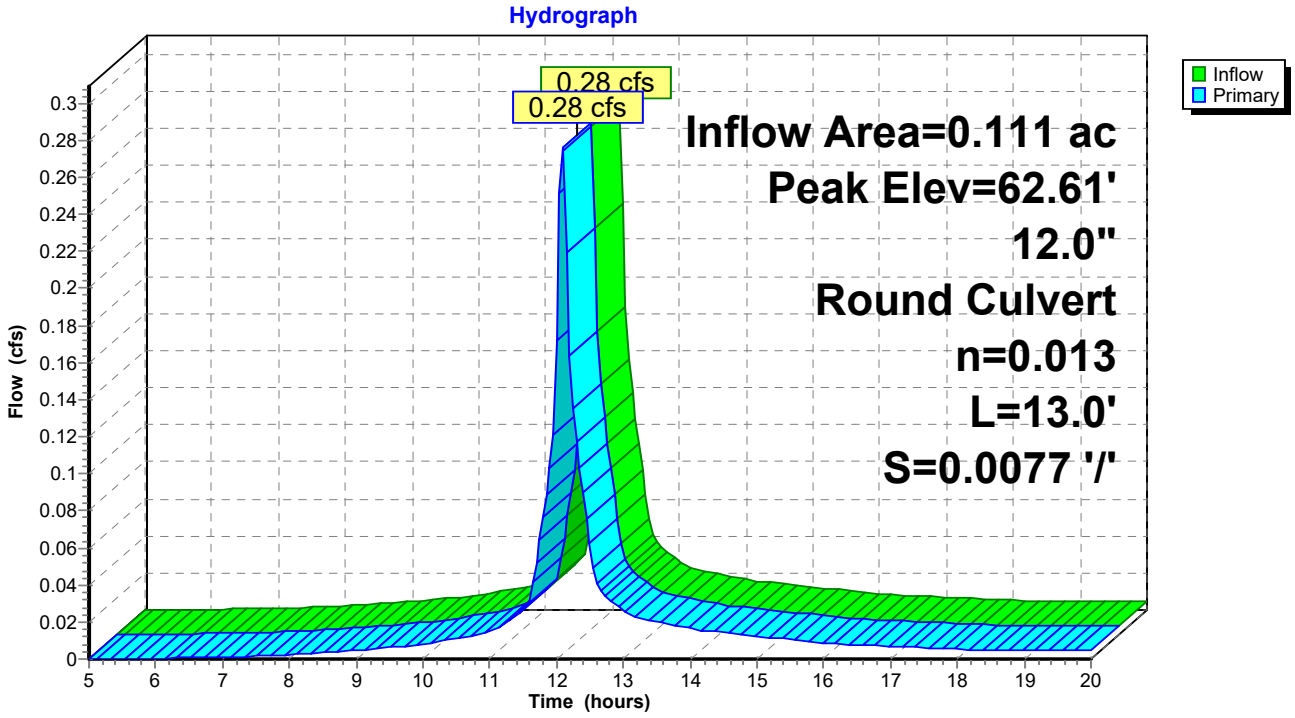
Inflow Area = 0.111 ac, 71.39% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.28 cfs @ 12.09 hrs, Volume= 0.019 af
Outflow = 0.28 cfs @ 12.09 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.28 cfs @ 12.09 hrs, Volume= 0.019 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.61' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.30'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.30' / 62.20' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=62.60' (Free Discharge)
1=Culvert (Barrel Controls 0.27 cfs @ 2.00 fps)

Pond 27P: CB 60



Stage-Area-Storage for Pond 27P: CB 60

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.30	**0.000**	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000	63.11	0.000
62.59	0.000	63.12	0.000
62.60	0.000	63.13	0.000
62.61	0.000	63.14	0.000
62.62	0.000	63.15	0.000
62.63	0.000	63.16	0.000
62.64	0.000	63.17	0.000
62.65	0.000	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000		
62.79	0.000		
62.80	0.000		
62.81	0.000		
62.82	0.000		

Summary for Pond 28P: DMH 44

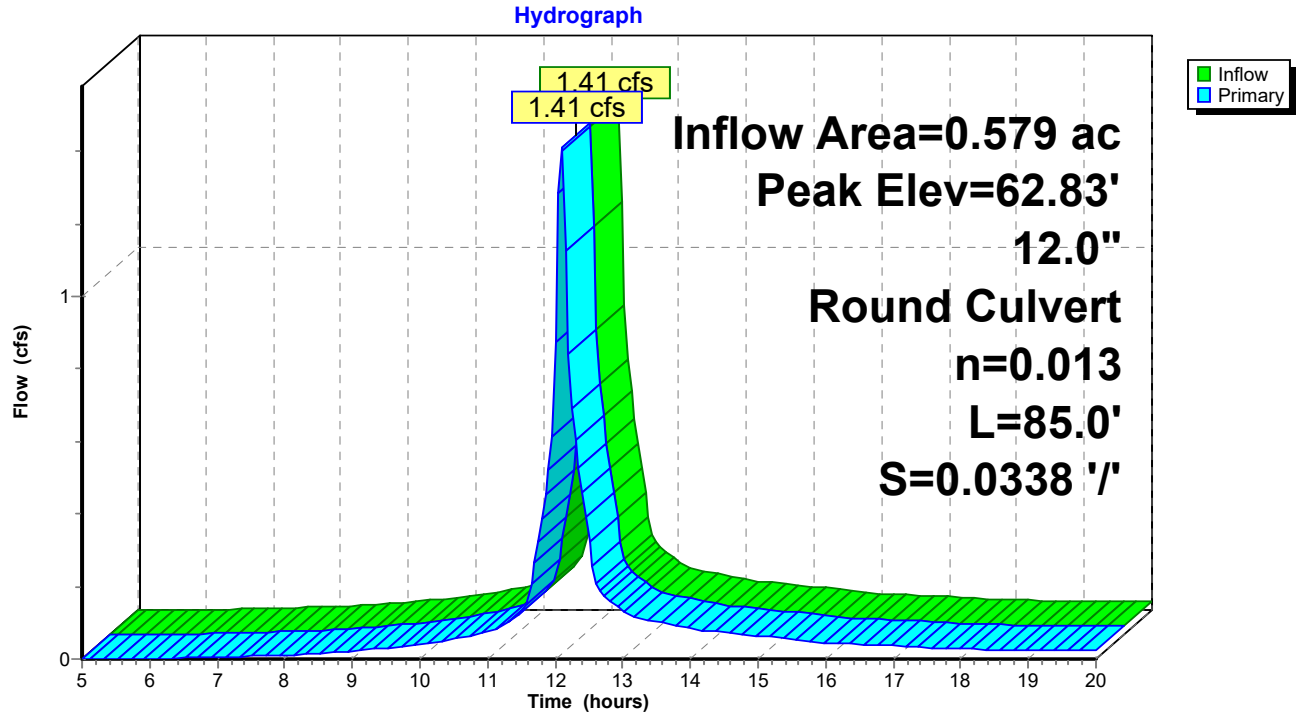
Inflow Area = 0.579 ac, 68.41% Impervious, Inflow Depth > 2.03" for 2-Year event
Inflow = 1.41 cfs @ 12.09 hrs, Volume= 0.098 af
Outflow = 1.41 cfs @ 12.09 hrs, Volume= 0.098 af, Atten= 0%, Lag= 0.0 min
Primary = 1.41 cfs @ 12.09 hrs, Volume= 0.098 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.83' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 85.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 59.23' S= 0.0338 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.38 cfs @ 12.09 hrs HW=62.82' (Free Discharge)
1=Culvert (Inlet Controls 1.38 cfs @ 2.28 fps)

Pond 28P: DMH 44



Stage-Area-Storage for Pond 28P: DMH 44

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000		
62.59	0.000		
62.60	0.000		
62.61	0.000		
62.62	0.000		

Summary for Pond 29P: DMH 40

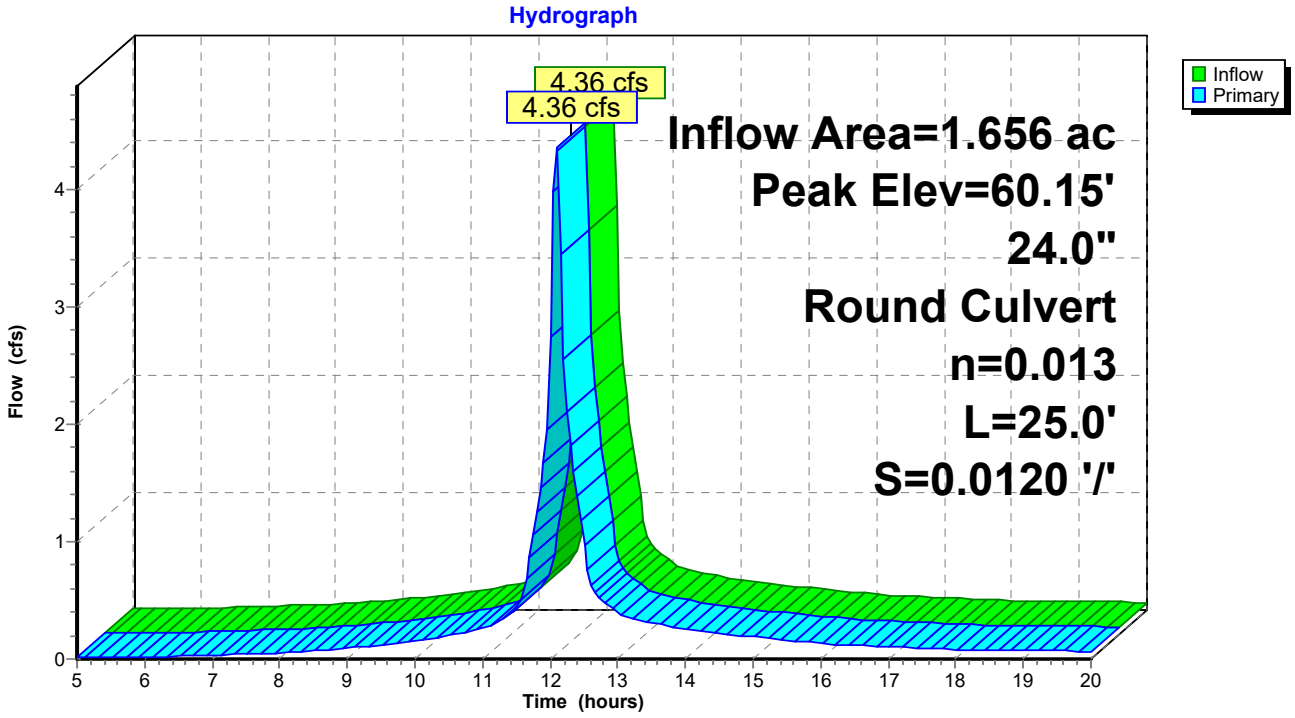
Inflow Area = 1.656 ac, 78.05% Impervious, Inflow Depth > 2.25" for 2-Year event
Inflow = 4.36 cfs @ 12.09 hrs, Volume= 0.311 af
Outflow = 4.36 cfs @ 12.09 hrs, Volume= 0.311 af, Atten= 0%, Lag= 0.0 min
Primary = 4.36 cfs @ 12.09 hrs, Volume= 0.311 af
Routed to Pond 38P : DMH 39

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.15' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.13'	**24.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.13' / 58.83' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.26 cfs @ 12.09 hrs HW=60.14' (Free Discharge)
1=Culvert (Barrel Controls 4.26 cfs @ 3.92 fps)

Pond 29P: DMH 40



Stage-Area-Storage for Pond 29P: DMH 40

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.13	**0.000**	60.19	0.000
59.15	0.000	60.21	0.000
59.17	0.000	60.23	0.000
59.19	0.000	60.25	0.000
59.21	0.000	60.27	0.000
59.23	0.000	60.29	0.000
59.25	0.000	60.31	0.000
59.27	0.000	60.33	0.000
59.29	0.000	60.35	0.000
59.31	0.000	60.37	0.000
59.33	0.000	60.39	0.000
59.35	0.000	60.41	0.000
59.37	0.000	60.43	0.000
59.39	0.000	60.45	0.000
59.41	0.000	60.47	0.000
59.43	0.000	60.49	0.000
59.45	0.000	60.51	0.000
59.47	0.000	60.53	0.000
59.49	0.000	60.55	0.000
59.51	0.000	60.57	0.000
59.53	0.000	60.59	0.000
59.55	0.000	60.61	0.000
59.57	0.000	60.63	0.000
59.59	0.000	60.65	0.000
59.61	0.000	60.67	0.000
59.63	0.000	60.69	0.000
59.65	0.000	60.71	0.000
59.67	0.000	60.73	0.000
59.69	0.000	60.75	0.000
59.71	0.000	60.77	0.000
59.73	0.000	60.79	0.000
59.75	0.000	60.81	0.000
59.77	0.000	60.83	0.000
59.79	0.000	60.85	0.000
59.81	0.000	60.87	0.000
59.83	0.000	60.89	0.000
59.85	0.000	60.91	0.000
59.87	0.000	60.93	0.000
59.89	0.000	60.95	0.000
59.91	0.000	60.97	0.000
59.93	0.000	60.99	0.000
59.95	0.000	61.01	0.000
59.97	0.000	61.03	0.000
59.99	0.000	61.05	0.000
60.01	0.000	61.07	0.000
60.03	0.000	61.09	0.000
60.05	0.000	61.11	0.000
60.07	0.000	61.13	0.000
60.09	0.000		
60.11	0.000		
60.13	0.000		
60.15	0.000		
60.17	0.000		

Summary for Pond 30P: CB 55

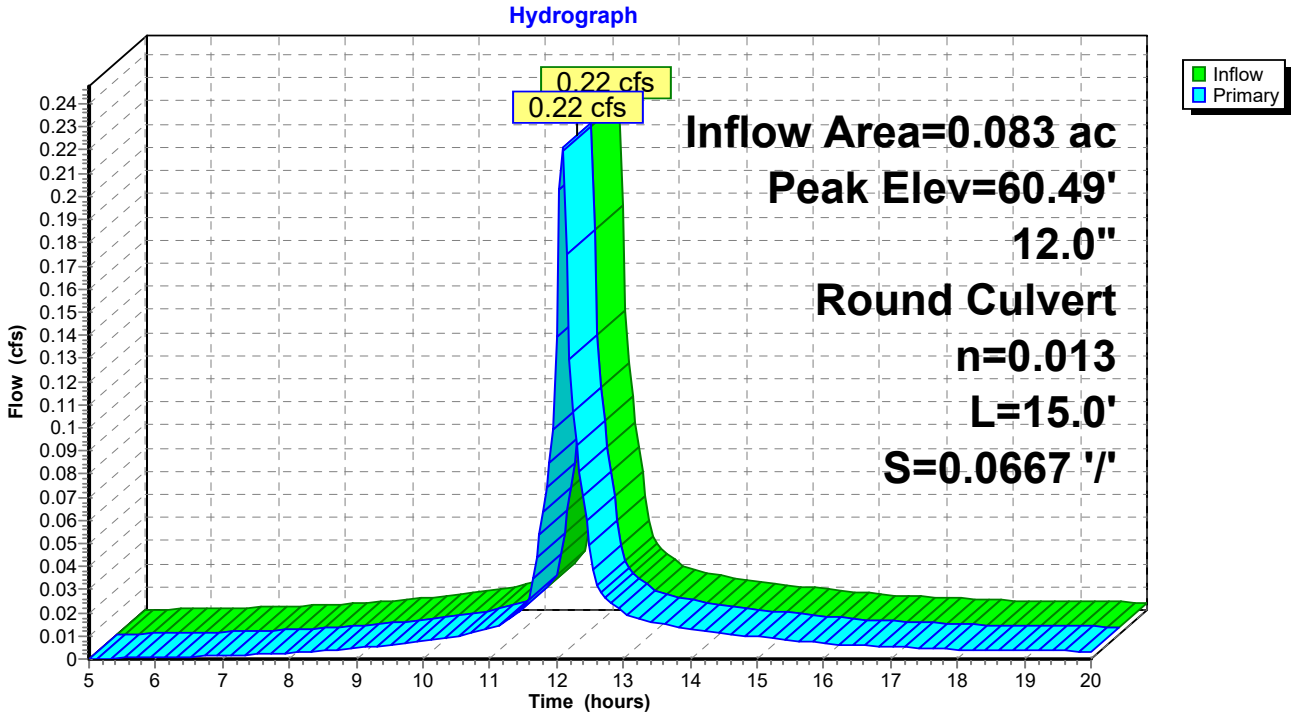
Inflow Area = 0.083 ac, 78.43% Impervious, Inflow Depth > 2.26" for 2-Year event
Inflow = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af
Outflow = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.0 min
Primary = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.49' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.23'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.23' / 59.23' S= 0.0667 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.09 hrs HW=60.49' (Free Discharge)
1=Culvert (Inlet Controls 0.22 cfs @ 1.36 fps)

Pond 30P: CB 55



Stage-Area-Storage for Pond 30P: CB 55

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.23	**0.000**	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000		
60.72	0.000		
60.73	0.000		
60.74	0.000		
60.75	0.000		

Summary for Pond 31P: CB 51

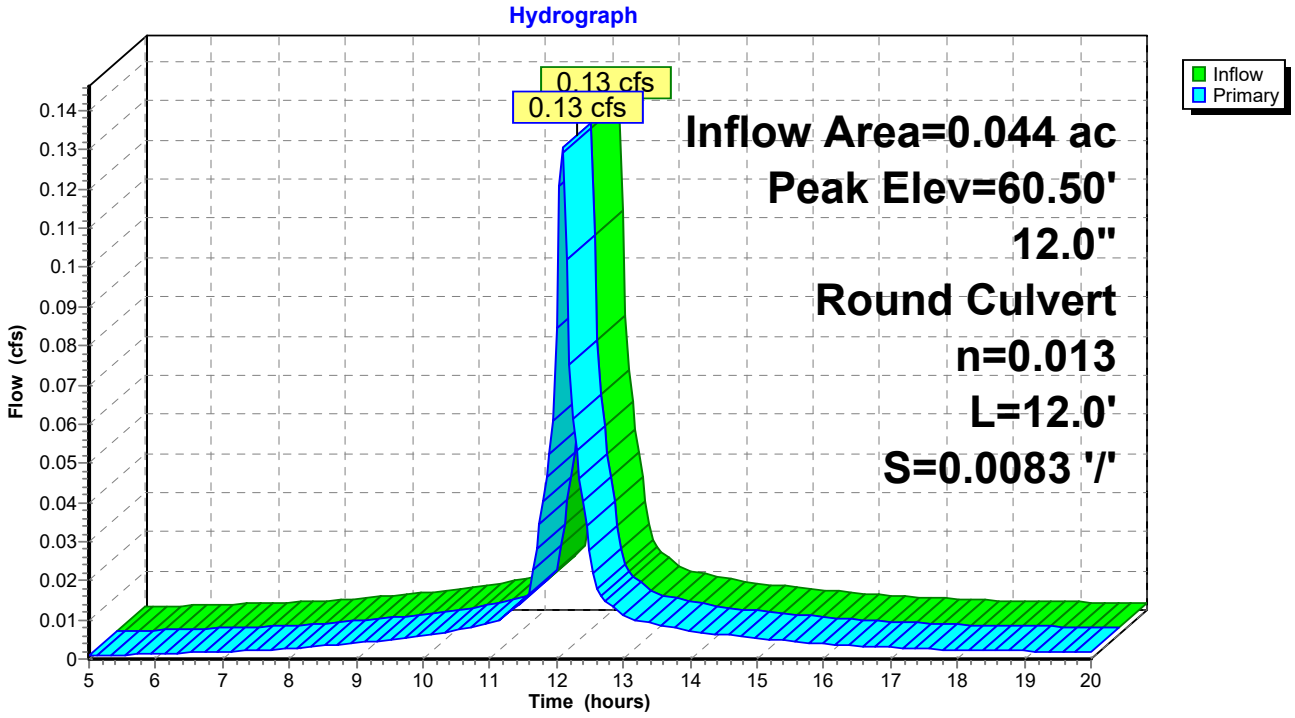
Inflow Area = 0.044 ac, 96.85% Impervious, Inflow Depth > 2.64" for 2-Year event
Inflow = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af
Outflow = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af
Routed to Pond 34P : DMH 36

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.50' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.30'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.30' / 60.20' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.09 hrs HW=60.50' (Free Discharge)
1=Culvert (Barrel Controls 0.13 cfs @ 1.71 fps)

Pond 31P: CB 51



Stage-Area-Storage for Pond 31P: CB 51

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.30	**0.000**	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000		
60.79	0.000		
60.80	0.000		
60.81	0.000		
60.82	0.000		

Summary for Pond 32P: CB 52

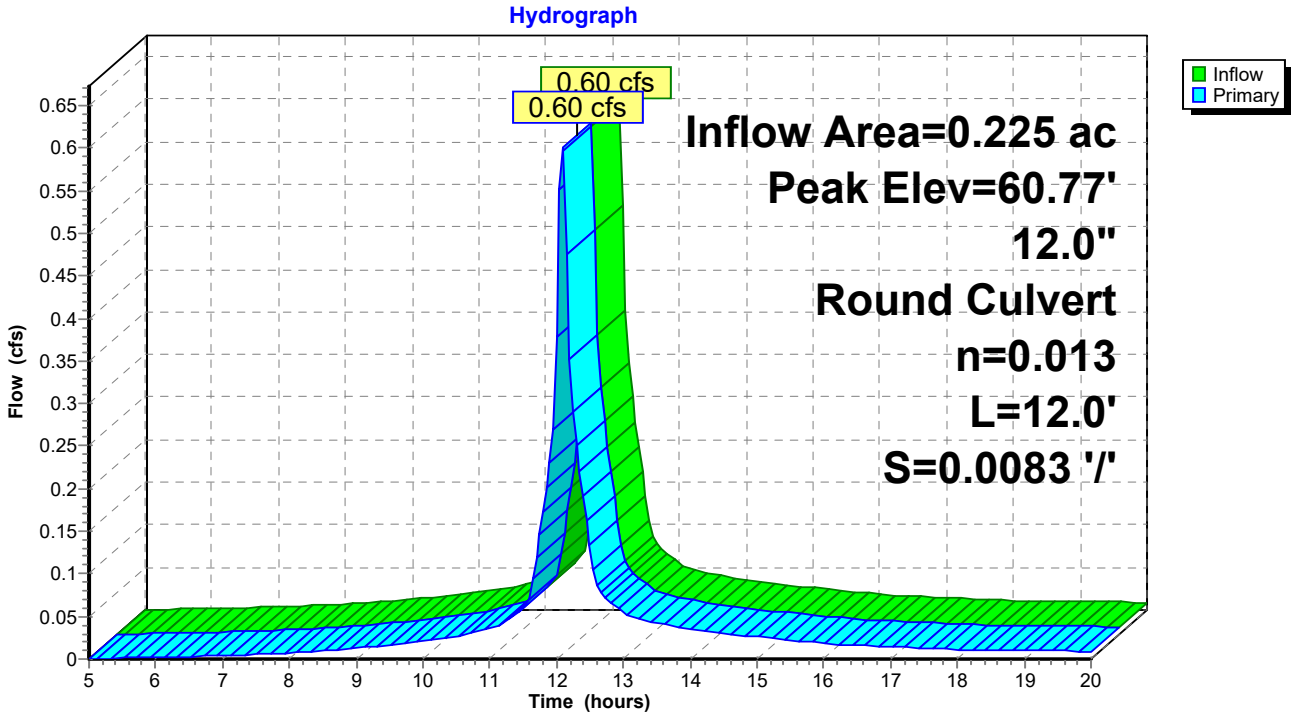
Inflow Area = 0.225 ac, 78.85% Impervious, Inflow Depth > 2.26" for 2-Year event
Inflow = 0.60 cfs @ 12.09 hrs, Volume= 0.043 af
Outflow = 0.60 cfs @ 12.09 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 12.09 hrs, Volume= 0.043 af
Routed to Pond 34P : DMH 36

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.30'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.30' / 60.20' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.59 cfs @ 12.09 hrs HW=60.77' (Free Discharge)
1=Culvert (Barrel Controls 0.59 cfs @ 2.40 fps)

Pond 32P: CB 52



Stage-Area-Storage for Pond 32P: CB 52

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.30	**0.000**	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000		
60.79	0.000		
60.80	0.000		
60.81	0.000		
60.82	0.000		

Summary for Pond 33P: CB 53

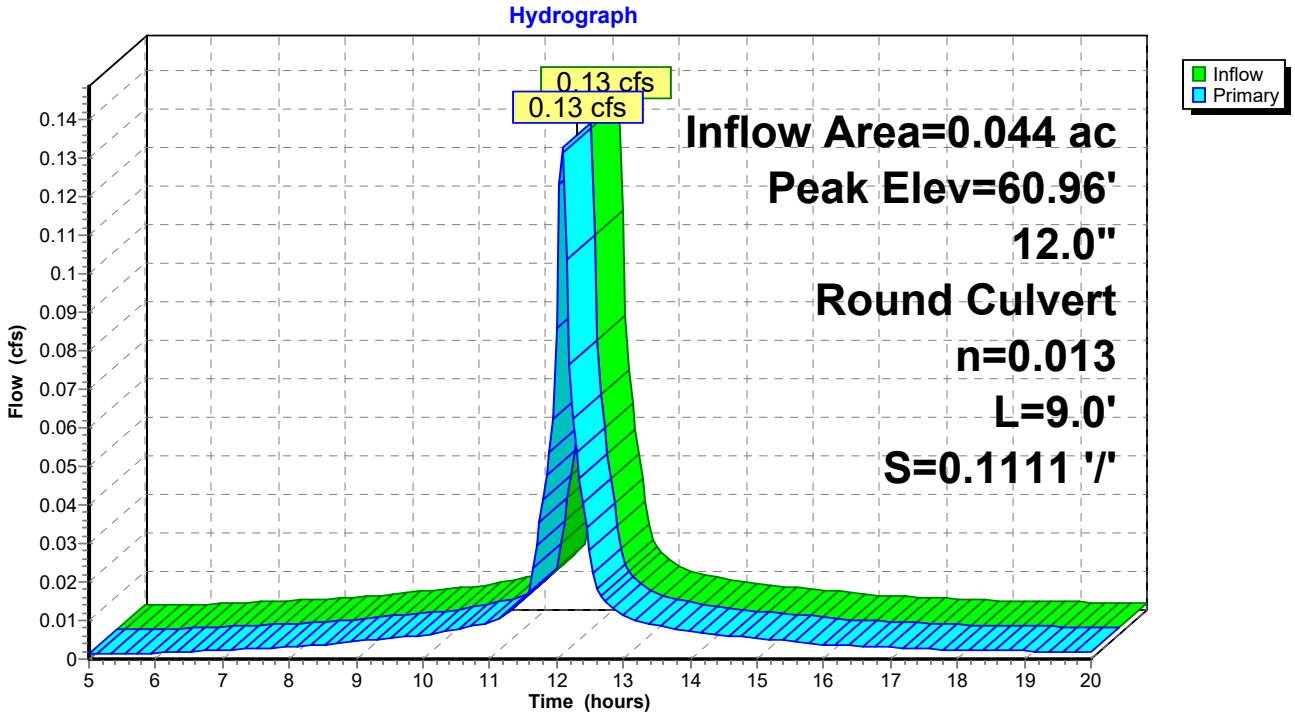
Inflow Area = 0.044 ac,100.00% Impervious, Inflow Depth > 2.73" for 2-Year event
Inflow = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af
Outflow = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.09 hrs, Volume= 0.010 af
Routed to Pond 35P : DMH 37

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.76'	**12.0" Round Culvert** L= 9.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.76' / 59.76' S= 0.1111 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.09 hrs HW=60.96' (Free Discharge)
1=Culvert (Inlet Controls 0.13 cfs @ 1.19 fps)

Pond 33P: CB 53



Stage-Area-Storage for Pond 33P: CB 53

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.76	**0.000**	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000		
61.25	0.000		
61.26	0.000		
61.27	0.000		
61.28	0.000		

Summary for Pond 34P: DMH 36

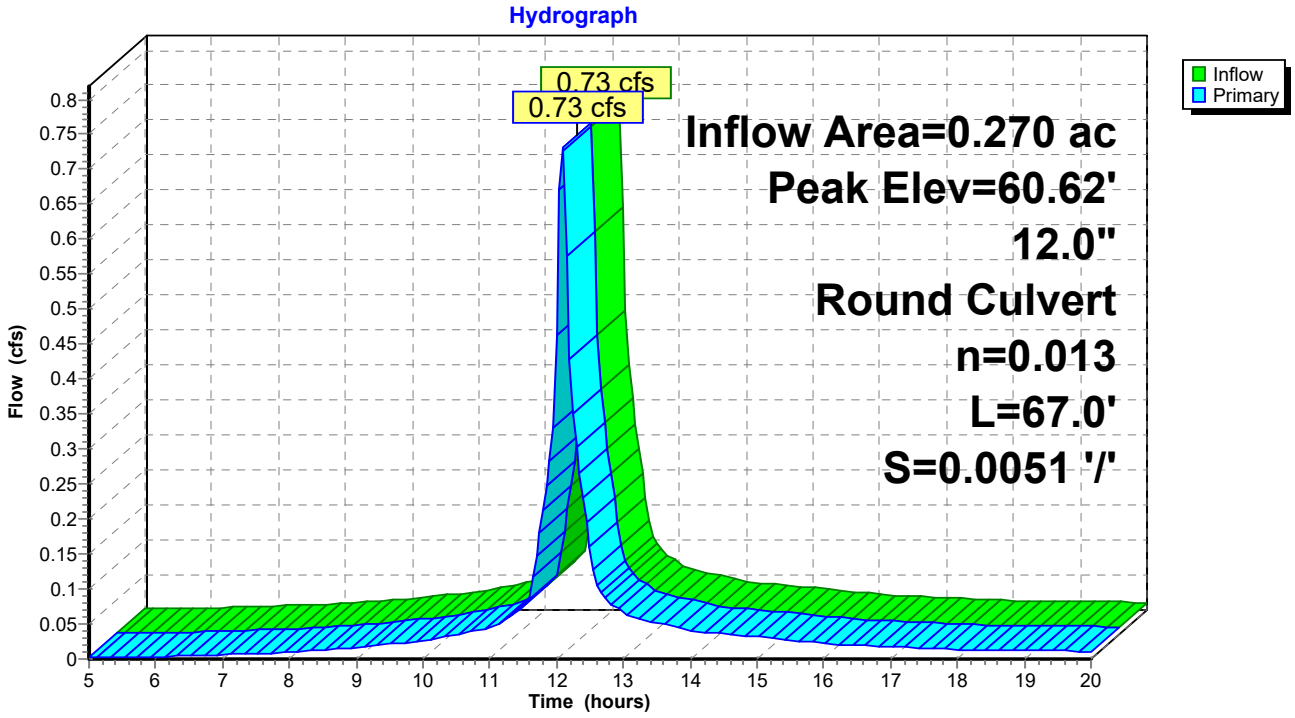
Inflow Area = 0.270 ac, 81.82% Impervious, Inflow Depth > 2.33" for 2-Year event
Inflow = 0.73 cfs @ 12.09 hrs, Volume= 0.052 af
Outflow = 0.73 cfs @ 12.09 hrs, Volume= 0.052 af, Atten= 0%, Lag= 0.0 min
Primary = 0.73 cfs @ 12.09 hrs, Volume= 0.052 af
Routed to Pond 35P : DMH 37

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.62' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.10'	**12.0" Round Culvert** L= 67.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.10' / 59.76' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.71 cfs @ 12.09 hrs HW=60.61' (Free Discharge)
1=Culvert (Barrel Controls 0.71 cfs @ 2.56 fps)

Pond 34P: DMH 36



Stage-Area-Storage for Pond 34P: DMH 36

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.10	**0.000**	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000		
60.59	0.000		
60.60	0.000		
60.61	0.000		
60.62	0.000		

Summary for Pond 35P: DMH 37

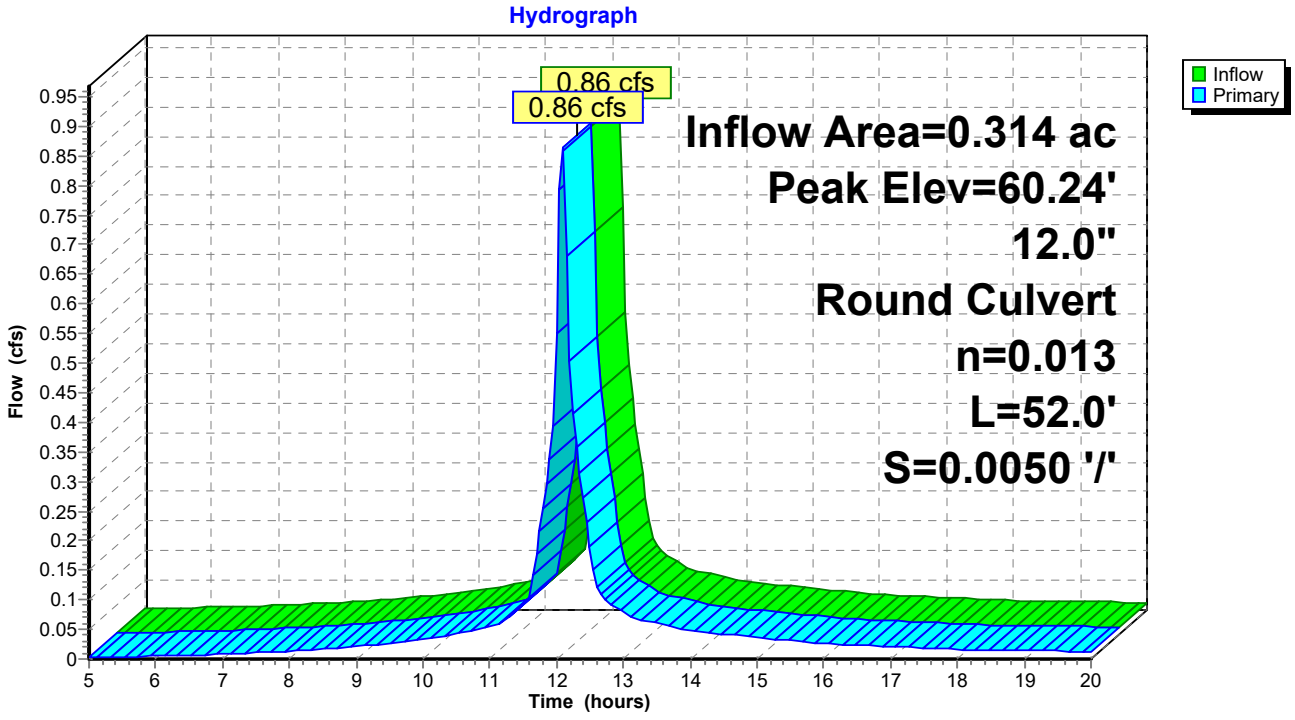
Inflow Area = 0.314 ac, 84.39% Impervious, Inflow Depth > 2.38" for 2-Year event
Inflow = 0.86 cfs @ 12.09 hrs, Volume= 0.062 af
Outflow = 0.86 cfs @ 12.09 hrs, Volume= 0.062 af, Atten= 0%, Lag= 0.0 min
Primary = 0.86 cfs @ 12.09 hrs, Volume= 0.062 af
Routed to Pond 37P : DMH 38

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.24' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.66'	**12.0" Round Culvert** L= 52.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.66' / 59.40' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=60.23' (Free Discharge)
1=Culvert (Barrel Controls 0.84 cfs @ 2.62 fps)

Pond 35P: DMH 37



Stage-Area-Storage for Pond 35P: DMH 37

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.66	**0.000**	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000	60.24	0.000
59.72	0.000	60.25	0.000
59.73	0.000	60.26	0.000
59.74	0.000	60.27	0.000
59.75	0.000	60.28	0.000
59.76	0.000	60.29	0.000
59.77	0.000	60.30	0.000
59.78	0.000	60.31	0.000
59.79	0.000	60.32	0.000
59.80	0.000	60.33	0.000
59.81	0.000	60.34	0.000
59.82	0.000	60.35	0.000
59.83	0.000	60.36	0.000
59.84	0.000	60.37	0.000
59.85	0.000	60.38	0.000
59.86	0.000	60.39	0.000
59.87	0.000	60.40	0.000
59.88	0.000	60.41	0.000
59.89	0.000	60.42	0.000
59.90	0.000	60.43	0.000
59.91	0.000	60.44	0.000
59.92	0.000	60.45	0.000
59.93	0.000	60.46	0.000
59.94	0.000	60.47	0.000
59.95	0.000	60.48	0.000
59.96	0.000	60.49	0.000
59.97	0.000	60.50	0.000
59.98	0.000	60.51	0.000
59.99	0.000	60.52	0.000
60.00	0.000	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000		
60.15	0.000		
60.16	0.000		
60.17	0.000		
60.18	0.000		

Summary for Pond 36P: CB 54

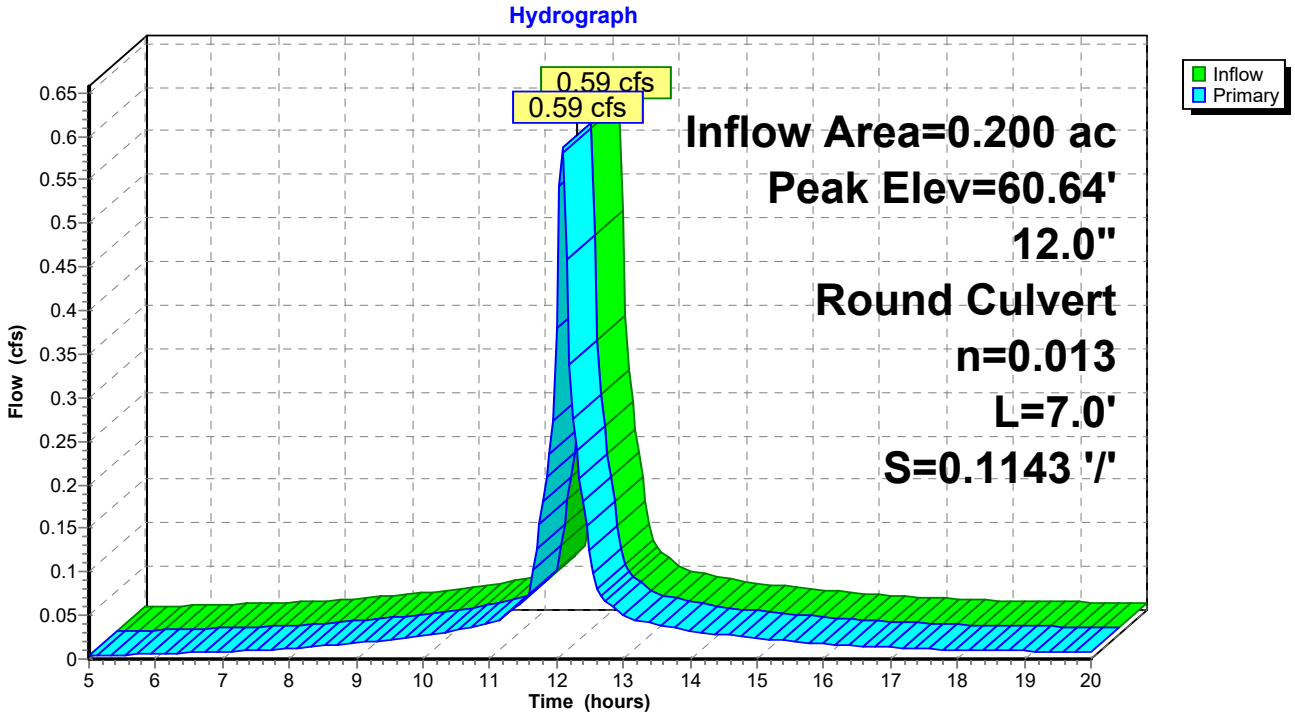
Inflow Area = 0.200 ac, 94.53% Impervious, Inflow Depth > 2.64" for 2-Year event
Inflow = 0.59 cfs @ 12.09 hrs, Volume= 0.044 af
Outflow = 0.59 cfs @ 12.09 hrs, Volume= 0.044 af, Atten= 0%, Lag= 0.0 min
Primary = 0.59 cfs @ 12.09 hrs, Volume= 0.044 af
Routed to Pond 37P : DMH 38

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.64' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.20'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.20' / 59.40' S= 0.1143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.57 cfs @ 12.09 hrs HW=60.63' (Free Discharge)
1=Culvert (Inlet Controls 0.57 cfs @ 1.76 fps)

Pond 36P: CB 54



Stage-Area-Storage for Pond 36P: CB 54

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.20	**0.000**	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000		
60.69	0.000		
60.70	0.000		
60.71	0.000		
60.72	0.000		

Summary for Pond 37P: DMH 38

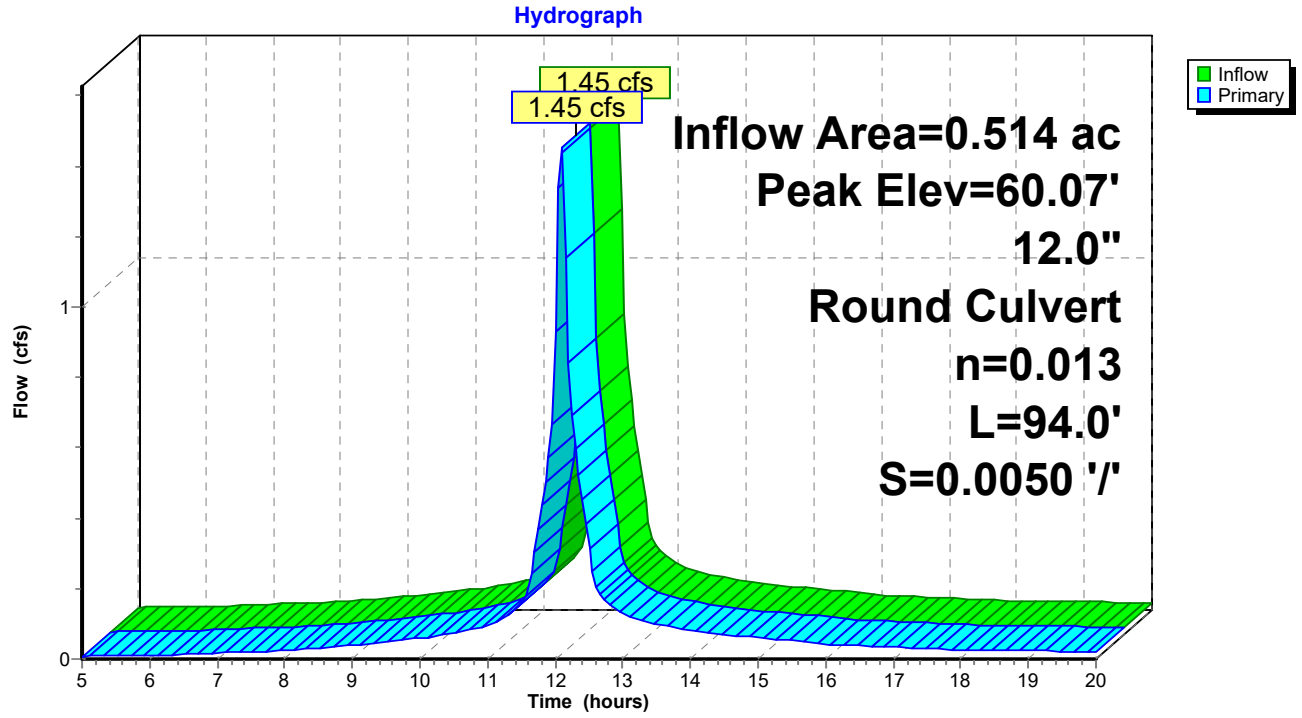
Inflow Area = 0.514 ac, 88.33% Impervious, Inflow Depth > 2.48" for 2-Year event
Inflow = 1.45 cfs @ 12.09 hrs, Volume= 0.106 af
Outflow = 1.45 cfs @ 12.09 hrs, Volume= 0.106 af, Atten= 0%, Lag= 0.0 min
Primary = 1.45 cfs @ 12.09 hrs, Volume= 0.106 af
Routed to Pond 38P : DMH 39

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.07' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.30'	**12.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.30' / 58.83' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.41 cfs @ 12.09 hrs HW=60.06' (Free Discharge)
1=Culvert (Barrel Controls 1.41 cfs @ 3.05 fps)

Pond 37P: DMH 38



Stage-Area-Storage for Pond 37P: DMH 38

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.30	**0.000**	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000	59.91	0.000
59.39	0.000	59.92	0.000
59.40	0.000	59.93	0.000
59.41	0.000	59.94	0.000
59.42	0.000	59.95	0.000
59.43	0.000	59.96	0.000
59.44	0.000	59.97	0.000
59.45	0.000	59.98	0.000
59.46	0.000	59.99	0.000
59.47	0.000	60.00	0.000
59.48	0.000	60.01	0.000
59.49	0.000	60.02	0.000
59.50	0.000	60.03	0.000
59.51	0.000	60.04	0.000
59.52	0.000	60.05	0.000
59.53	0.000	60.06	0.000
59.54	0.000	60.07	0.000
59.55	0.000	60.08	0.000
59.56	0.000	60.09	0.000
59.57	0.000	60.10	0.000
59.58	0.000	60.11	0.000
59.59	0.000	60.12	0.000
59.60	0.000	60.13	0.000
59.61	0.000	60.14	0.000
59.62	0.000	60.15	0.000
59.63	0.000	60.16	0.000
59.64	0.000	60.17	0.000
59.65	0.000	60.18	0.000
59.66	0.000	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000	60.24	0.000
59.72	0.000	60.25	0.000
59.73	0.000	60.26	0.000
59.74	0.000	60.27	0.000
59.75	0.000	60.28	0.000
59.76	0.000	60.29	0.000
59.77	0.000	60.30	0.000
59.78	0.000		
59.79	0.000		
59.80	0.000		
59.81	0.000		
59.82	0.000		

Summary for Pond 38P: DMH 39

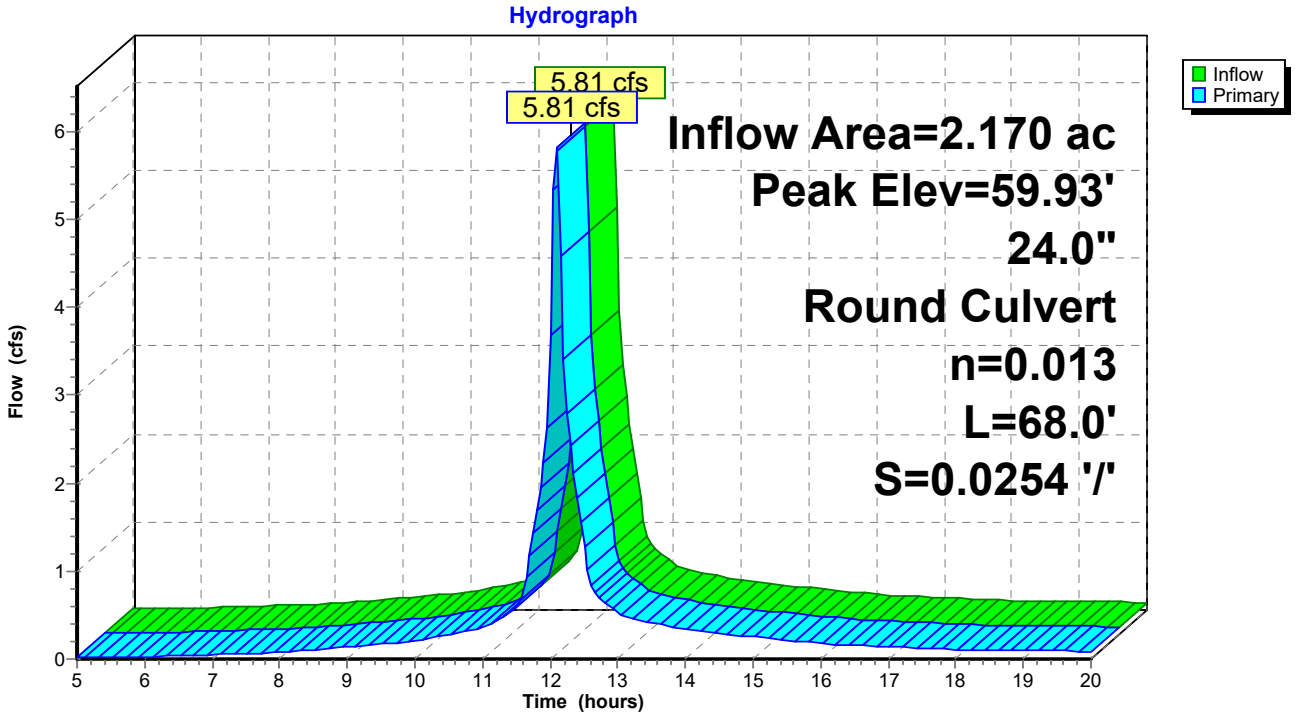
Inflow Area = 2.170 ac, 80.49% Impervious, Inflow Depth > 2.31" for 2-Year event
Inflow = 5.81 cfs @ 12.09 hrs, Volume= 0.417 af
Outflow = 5.81 cfs @ 12.09 hrs, Volume= 0.417 af, Atten= 0%, Lag= 0.0 min
Primary = 5.81 cfs @ 12.09 hrs, Volume= 0.417 af
Routed to Pond 15P : Inf. Basin 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.93' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.73'	**24.0" Round Culvert** L= 68.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.73' / 57.00' S= 0.0254 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.67 cfs @ 12.09 hrs HW=59.91' (Free Discharge)
1=Culvert (Inlet Controls 5.67 cfs @ 2.93 fps)

Pond 38P: DMH 39



Stage-Area-Storage for Pond 38P: DMH 39

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.73	**0.000**	59.79	0.000
58.75	0.000	59.81	0.000
58.77	0.000	59.83	0.000
58.79	0.000	59.85	0.000
58.81	0.000	59.87	0.000
58.83	0.000	59.89	0.000
58.85	0.000	59.91	0.000
58.87	0.000	59.93	0.000
58.89	0.000	59.95	0.000
58.91	0.000	59.97	0.000
58.93	0.000	59.99	0.000
58.95	0.000	60.01	0.000
58.97	0.000	60.03	0.000
58.99	0.000	60.05	0.000
59.01	0.000	60.07	0.000
59.03	0.000	60.09	0.000
59.05	0.000	60.11	0.000
59.07	0.000	60.13	0.000
59.09	0.000	60.15	0.000
59.11	0.000	60.17	0.000
59.13	0.000	60.19	0.000
59.15	0.000	60.21	0.000
59.17	0.000	60.23	0.000
59.19	0.000	60.25	0.000
59.21	0.000	60.27	0.000
59.23	0.000	60.29	0.000
59.25	0.000	60.31	0.000
59.27	0.000	60.33	0.000
59.29	0.000	60.35	0.000
59.31	0.000	60.37	0.000
59.33	0.000	60.39	0.000
59.35	0.000	60.41	0.000
59.37	0.000	60.43	0.000
59.39	0.000	60.45	0.000
59.41	0.000	60.47	0.000
59.43	0.000	60.49	0.000
59.45	0.000	60.51	0.000
59.47	0.000	60.53	0.000
59.49	0.000	60.55	0.000
59.51	0.000	60.57	0.000
59.53	0.000	60.59	0.000
59.55	0.000	60.61	0.000
59.57	0.000	60.63	0.000
59.59	0.000	60.65	0.000
59.61	0.000	60.67	0.000
59.63	0.000	60.69	0.000
59.65	0.000	60.71	0.000
59.67	0.000	60.73	0.000
59.69	0.000		
59.71	0.000		
59.73	0.000		
59.75	0.000		
59.77	0.000		

Summary for Pond 41P: CB 49

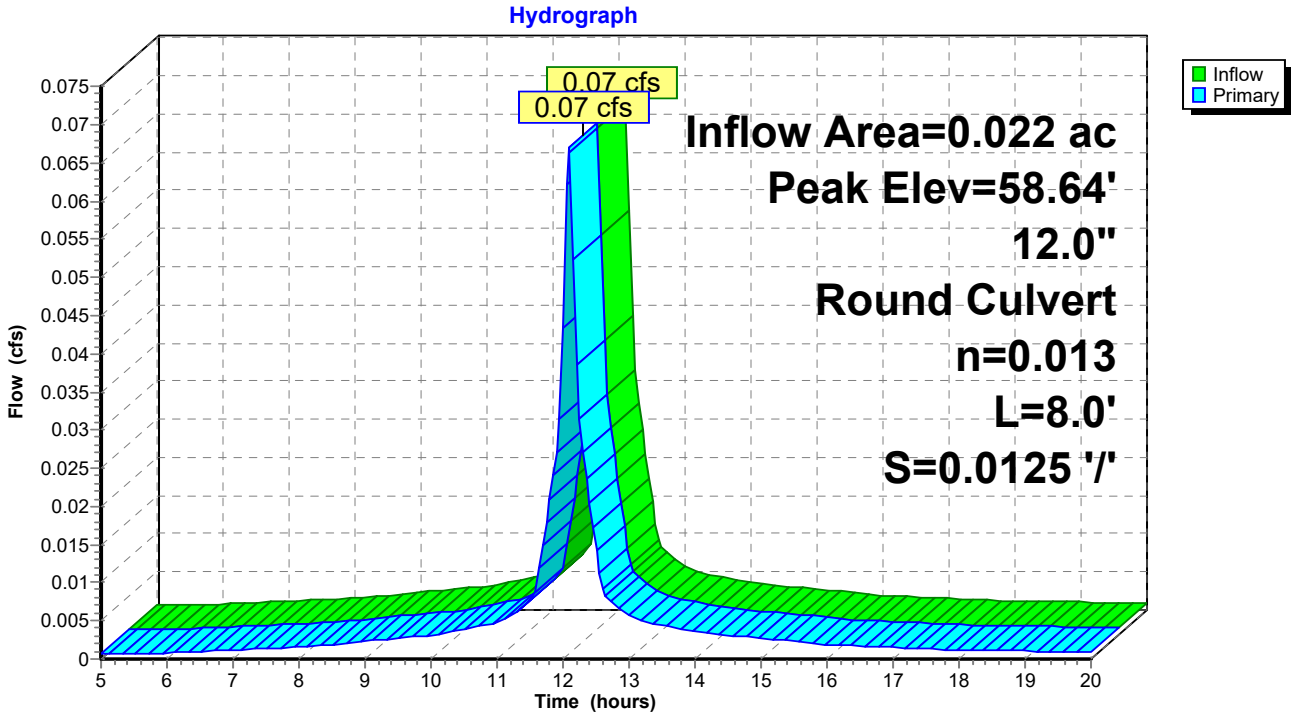
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth > 2.73" for 2-Year event
Inflow = 0.07 cfs @ 12.09 hrs, Volume= 0.005 af
Outflow = 0.07 cfs @ 12.09 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.0 min
Primary = 0.07 cfs @ 12.09 hrs, Volume= 0.005 af
Routed to Pond 43P : DMH 35

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.64' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.50'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.50' / 58.40' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.07 cfs @ 12.09 hrs HW=58.64' (Free Discharge)
1=Culvert (Inlet Controls 0.07 cfs @ 1.00 fps)

Pond 41P: CB 49



Stage-Area-Storage for Pond 41P: CB 49

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.50	**0.000**	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000		
58.99	0.000		
59.00	0.000		
59.01	0.000		
59.02	0.000		

Summary for Pond 42P: CB 50

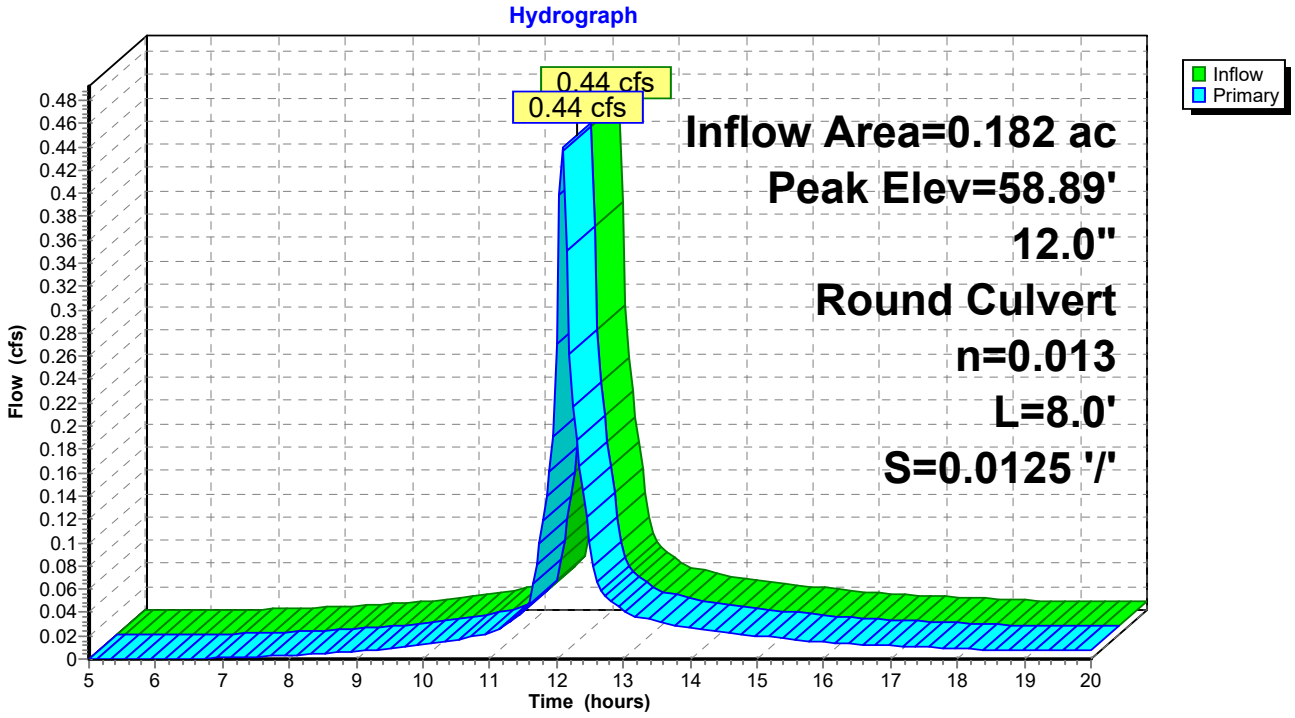
Inflow Area = 0.182 ac, 66.96% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 0.030 af
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 0.030 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 0.030 af
Routed to Pond 43P : DMH 35

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.89' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.50'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.50' / 58.40' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=58.88' (Free Discharge)
1=Culvert (Barrel Controls 0.43 cfs @ 2.32 fps)

Pond 42P: CB 50



Stage-Area-Storage for Pond 42P: CB 50

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.50	**0.000**	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000		
58.99	0.000		
59.00	0.000		
59.01	0.000		
59.02	0.000		

Summary for Pond 43P: DMH 35

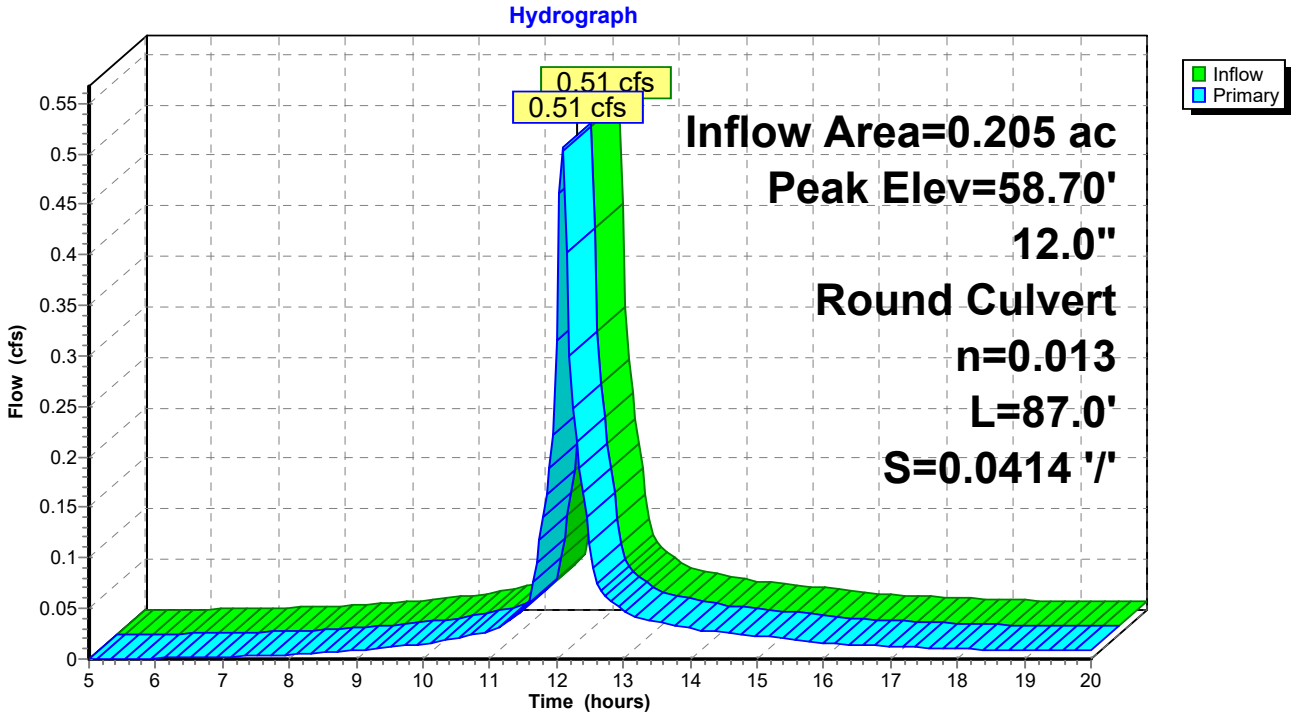
Inflow Area = 0.205 ac, 70.58% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.51 cfs @ 12.09 hrs, Volume= 0.035 af
Outflow = 0.51 cfs @ 12.09 hrs, Volume= 0.035 af, Atten= 0%, Lag= 0.0 min
Primary = 0.51 cfs @ 12.09 hrs, Volume= 0.035 af
Routed to Pond 206P : DMH 34

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.70' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.30'	**12.0" Round Culvert** L= 87.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.30' / 54.70' S= 0.0414 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.09 hrs HW=58.70' (Free Discharge)
1=Culvert (Inlet Controls 0.49 cfs @ 1.70 fps)

Pond 43P: DMH 35



Stage-Area-Storage for Pond 43P: DMH 35

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.30	**0.000**	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000		
58.79	0.000		
58.80	0.000		
58.81	0.000		
58.82	0.000		

Summary for Pond 46P: CB 48

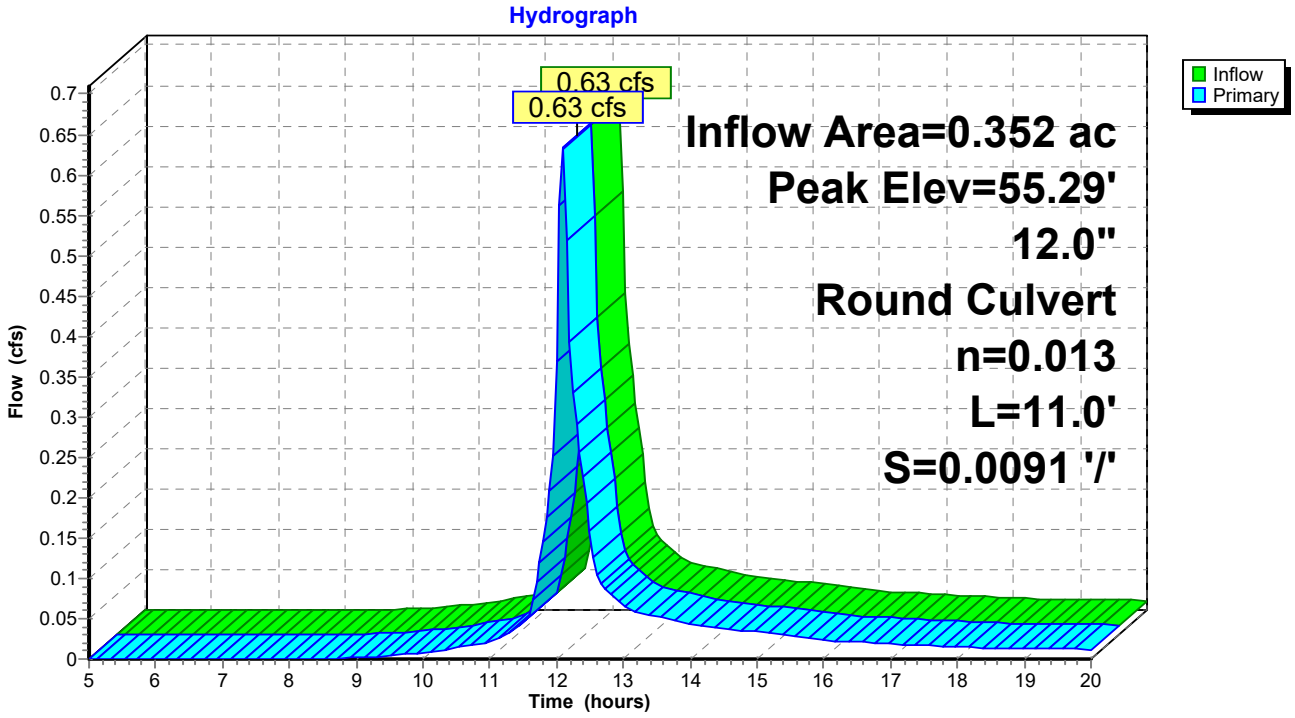
Inflow Area = 0.352 ac, 70.58% Impervious, Inflow Depth > 1.46" for 2-Year event
Inflow = 0.63 cfs @ 12.09 hrs, Volume= 0.043 af
Outflow = 0.63 cfs @ 12.09 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.63 cfs @ 12.09 hrs, Volume= 0.043 af
Routed to Pond 48P : DMH 33

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.29' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.80'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.80' / 54.70' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=55.28' (Free Discharge)
1=Culvert (Barrel Controls 0.62 cfs @ 2.45 fps)

Pond 46P: CB 48



Stage-Area-Storage for Pond 46P: CB 48

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.80	**0.000**	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000	55.61	0.000
55.09	0.000	55.62	0.000
55.10	0.000	55.63	0.000
55.11	0.000	55.64	0.000
55.12	0.000	55.65	0.000
55.13	0.000	55.66	0.000
55.14	0.000	55.67	0.000
55.15	0.000	55.68	0.000
55.16	0.000	55.69	0.000
55.17	0.000	55.70	0.000
55.18	0.000	55.71	0.000
55.19	0.000	55.72	0.000
55.20	0.000	55.73	0.000
55.21	0.000	55.74	0.000
55.22	0.000	55.75	0.000
55.23	0.000	55.76	0.000
55.24	0.000	55.77	0.000
55.25	0.000	55.78	0.000
55.26	0.000	55.79	0.000
55.27	0.000	55.80	0.000
55.28	0.000		
55.29	0.000		
55.30	0.000		
55.31	0.000		
55.32	0.000		

Summary for Pond 47P: CB 47

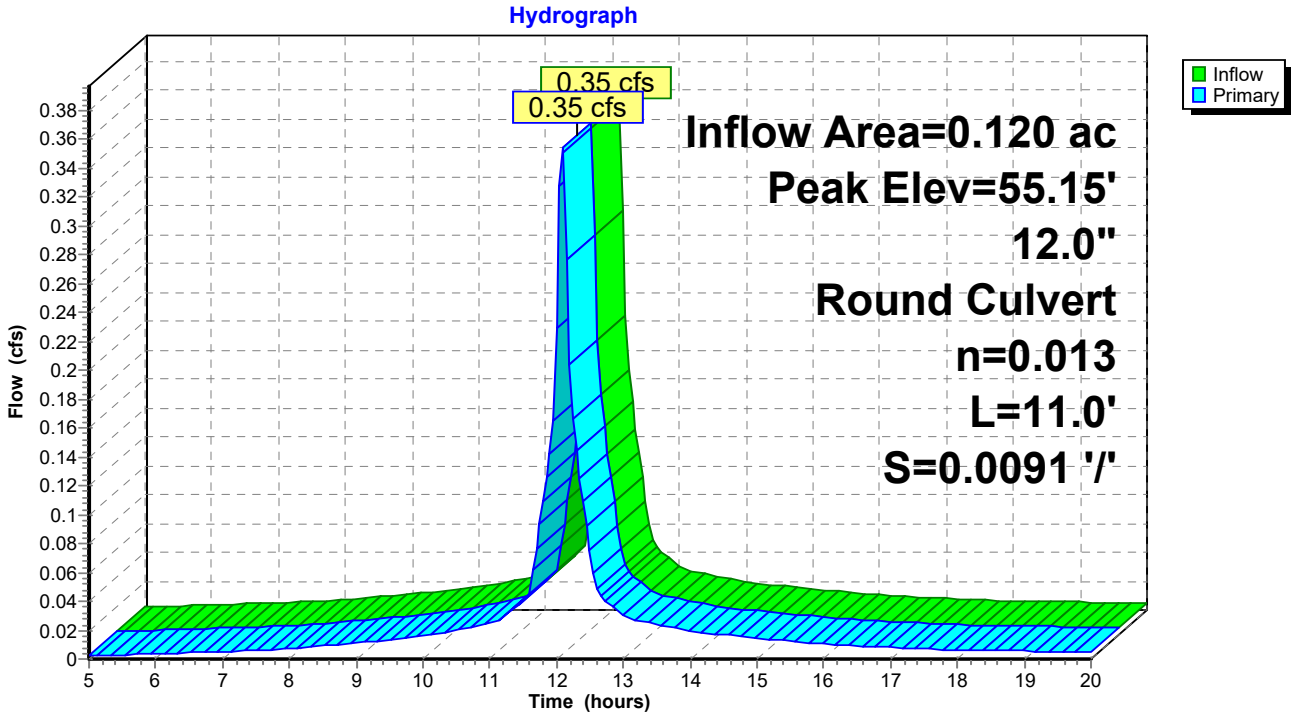
Inflow Area = 0.120 ac, 97.54% Impervious, Inflow Depth > 2.64" for 2-Year event
Inflow = 0.35 cfs @ 12.09 hrs, Volume= 0.027 af
Outflow = 0.35 cfs @ 12.09 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.35 cfs @ 12.09 hrs, Volume= 0.027 af
Routed to Pond 48P : DMH 33

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.15' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.80'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.80' / 54.70' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.34 cfs @ 12.09 hrs HW=55.14' (Free Discharge)
1=Culvert (Barrel Controls 0.34 cfs @ 2.15 fps)

Pond 47P: CB 47



Stage-Area-Storage for Pond 47P: CB 47

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.80	**0.000**	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000	55.61	0.000
55.09	0.000	55.62	0.000
55.10	0.000	55.63	0.000
55.11	0.000	55.64	0.000
55.12	0.000	55.65	0.000
55.13	0.000	55.66	0.000
55.14	0.000	55.67	0.000
55.15	0.000	55.68	0.000
55.16	0.000	55.69	0.000
55.17	0.000	55.70	0.000
55.18	0.000	55.71	0.000
55.19	0.000	55.72	0.000
55.20	0.000	55.73	0.000
55.21	0.000	55.74	0.000
55.22	0.000	55.75	0.000
55.23	0.000	55.76	0.000
55.24	0.000	55.77	0.000
55.25	0.000	55.78	0.000
55.26	0.000	55.79	0.000
55.27	0.000	55.80	0.000
55.28	0.000		
55.29	0.000		
55.30	0.000		
55.31	0.000		
55.32	0.000		

Summary for Pond 48P: DMH 33

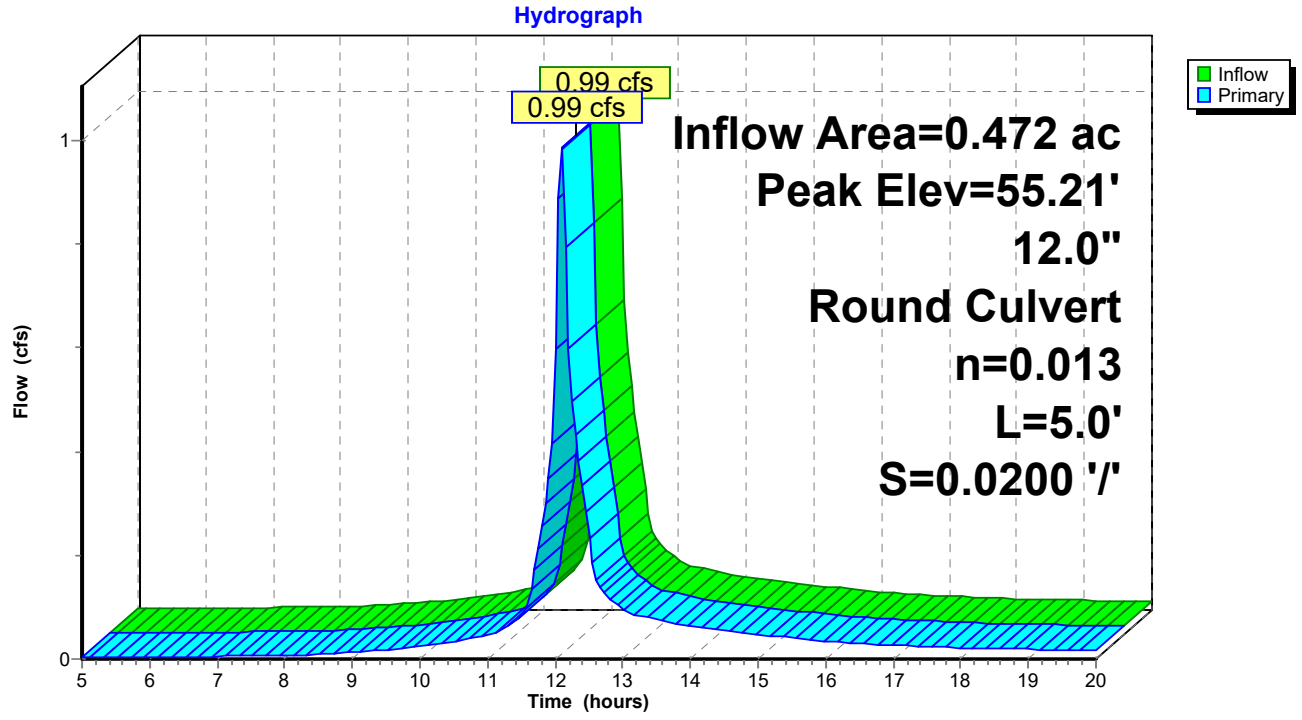
Inflow Area = 0.472 ac, 77.45% Impervious, Inflow Depth > 1.76" for 2-Year event
Inflow = 0.99 cfs @ 12.09 hrs, Volume= 0.069 af
Outflow = 0.99 cfs @ 12.09 hrs, Volume= 0.069 af, Atten= 0%, Lag= 0.0 min
Primary = 0.99 cfs @ 12.09 hrs, Volume= 0.069 af
Routed to Pond 49P : Sub. Inf. 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.21' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.97 cfs @ 12.09 hrs HW=55.20' (Free Discharge)
1=Culvert (Barrel Controls 0.97 cfs @ 2.79 fps)

Pond 48P: DMH 33



Stage-Area-Storage for Pond 48P: DMH 33

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 49P: Sub. Inf. 4

Inflow Area = 1.242 ac, 70.79% Impervious, Inflow Depth > 1.86" for 2-Year event
Inflow = 2.78 cfs @ 12.09 hrs, Volume= 0.193 af
Outflow = 0.14 cfs @ 14.84 hrs, Volume= 0.098 af, Atten= 95%, Lag= 164.8 min
Discarded = 0.12 cfs @ 14.84 hrs, Volume= 0.096 af
Primary = 0.02 cfs @ 14.84 hrs, Volume= 0.003 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.04' @ 14.84 hrs Surf.Area= 0.074 ac Storage= 0.113 af

Plug-Flow detention time= 192.3 min calculated for 0.098 af (51% of inflow)
Center-of-Mass det. time= 108.1 min (884.5 - 776.4)

Volume	Invert	Avail.Storage	Storage Description
#1A	54.00'	0.045 af	**55.25'W x 58.58'L x 3.00'H Field A** 0.223 af Overall - 0.111 af Embedded = 0.112 af x 40.0% Voids
#2A	54.50'	0.111 af	**ADS_StormTech SC-740 b +Cap** x 104 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 104 Chambers in 13 Rows Cap Storage= 2.7 cf x 2 x 13 rows = 69.0 cf
		0.156 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	54.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 50.00'
#2	Primary	54.00'	**12.0" Round Culvert** L= 76.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 51.50' S= 0.0329 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.00'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	56.80'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#5	Primary	54.00'	**12.0" Round Culvert** L= 76.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 51.00' S= 0.0395 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#6	Device 5	56.80'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#7	Device 5	56.00'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.12 cfs @ 14.84 hrs HW=56.04' (Free Discharge)
└─**1=Exfiltration** (Controls 0.12 cfs)

Primary OutFlow Max=0.02 cfs @ 14.84 hrs HW=56.04' (Free Discharge)
├─**2=Culvert** (Passes 0.01 cfs of 3.70 cfs potential flow)
│ ├─**3=Orifice/Grate** (Orifice Controls 0.01 cfs @ 0.66 fps)
│ └─**4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
└─**5=Culvert** (Passes 0.01 cfs of 3.70 cfs potential flow)
 ├─**6=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 └─**7=Orifice/Grate** (Orifice Controls 0.01 cfs @ 0.66 fps)

Pond 49P: Sub. Inf. 4 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 13 rows = 69.0 cf

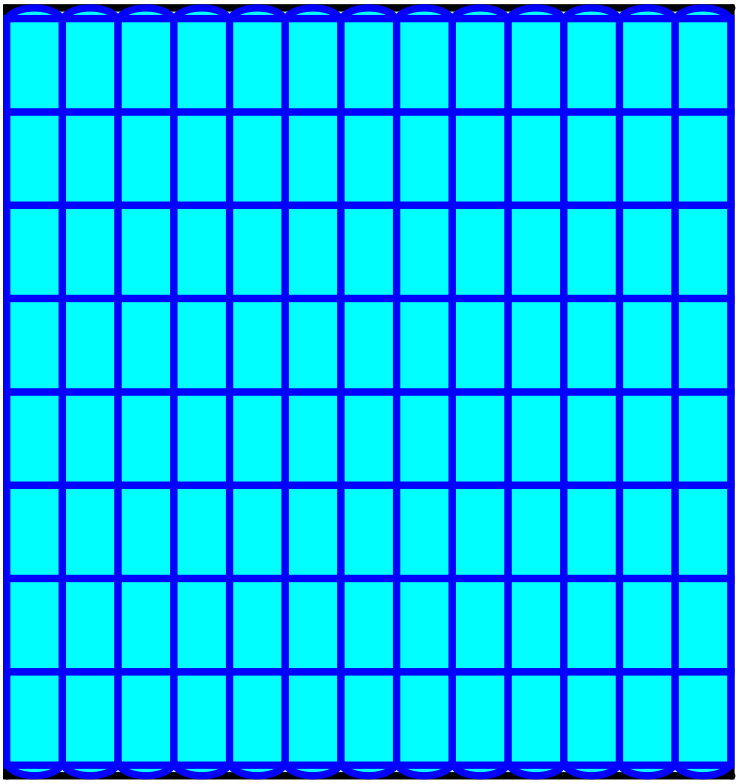
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length
13 Rows x 51.0" Wide = 55.25' Base Width
6.0" Stone Base + 30.0" Chamber Height = 3.00' Field Height

104 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 13 Rows = 4,846.8 cf Chamber Storage

9,709.1 cf Field - 4,846.8 cf Chambers = 4,862.3 cf Stone x 40.0% Voids = 1,944.9 cf Stone Storage

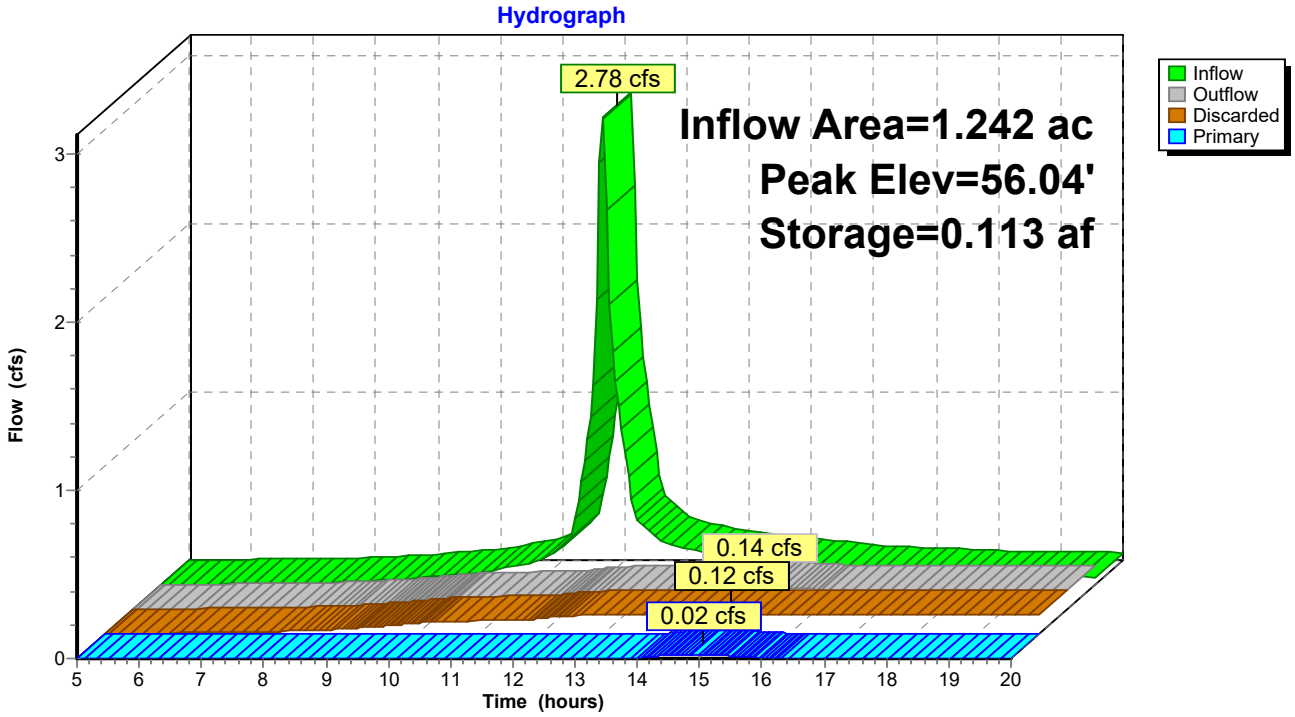
Chamber Storage + Stone Storage = 6,791.7 cf = 0.156 af
Overall Storage Efficiency = 70.0%
Overall System Size = 58.58' x 55.25' x 3.00'

104 Chambers
359.6 cy Field
180.1 cy Stone





Pond 49P: Sub. Inf. 4



Stage-Area-Storage for Pond 49P: Sub. Inf. 4

Elevation (feet)	Surface (acres)	Storage (acre-feet)
54.00	**0.074**	0.000
54.05	0.074	0.001
54.10	0.074	0.003
54.15	0.074	0.004
54.20	0.074	0.006
54.25	0.074	0.007
54.30	0.074	0.009
54.35	0.074	0.010
54.40	0.074	0.012
54.45	0.074	0.013
54.50	0.074	0.015
54.55	0.074	0.018
54.60	0.074	0.022
54.65	0.074	0.025
54.70	0.074	0.028
54.75	0.074	0.032
54.80	0.074	0.035
54.85	0.074	0.039
54.90	0.074	0.042
54.95	0.074	0.045
55.00	0.074	0.049
55.05	0.074	0.052
55.10	0.074	0.055
55.15	0.074	0.058
55.20	0.074	0.062
55.25	0.074	0.065
55.30	0.074	0.068
55.35	0.074	0.071
55.40	0.074	0.074
55.45	0.074	0.078
55.50	0.074	0.081
55.55	0.074	0.084
55.60	0.074	0.087
55.65	0.074	0.090
55.70	0.074	0.093
55.75	0.074	0.096
55.80	0.074	0.099
55.85	0.074	0.102
55.90	0.074	0.105
55.95	0.074	0.108
56.00	0.074	0.111
56.05	0.074	0.113
56.10	0.074	0.116
56.15	0.074	0.119
56.20	0.074	0.122
56.25	0.074	0.124
56.30	0.074	0.127
56.35	0.074	0.130
56.40	0.074	0.132
56.45	0.074	0.134
56.50	0.074	0.137
56.55	0.074	0.139
56.60	0.074	0.141
56.65	0.074	0.144
56.70	0.074	0.146
56.75	0.074	0.148
56.80	0.074	0.149
56.85	0.074	0.151
56.90	0.074	0.153
56.95	0.074	0.154
57.00	0.074	**0.156**

Summary for Pond 52P: CB 20

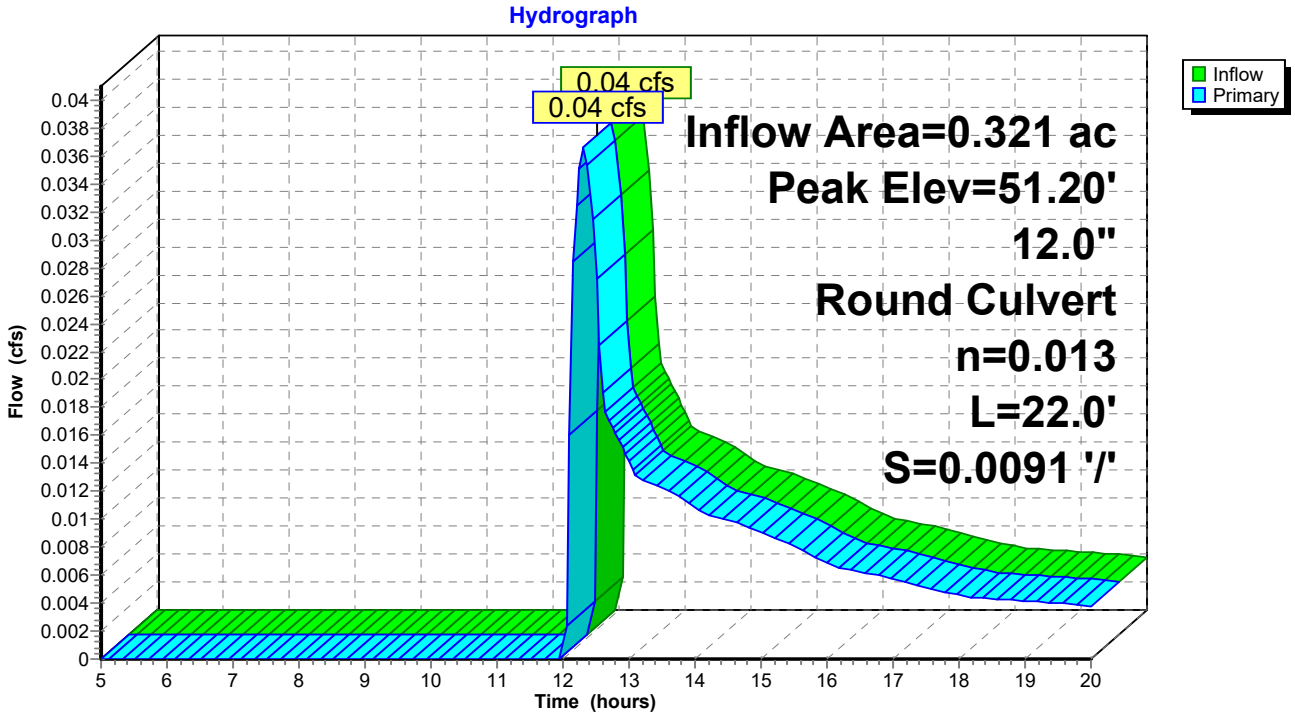
Inflow Area = 0.321 ac, 29.26% Impervious, Inflow Depth > 0.22" for 2-Year event
Inflow = 0.04 cfs @ 12.32 hrs, Volume= 0.006 af
Outflow = 0.04 cfs @ 12.32 hrs, Volume= 0.006 af, Atten= 0%, Lag= 0.0 min
Primary = 0.04 cfs @ 12.32 hrs, Volume= 0.006 af
Routed to Pond 54P : DMH 15

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.20' @ 12.32 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.10'	**12.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.10' / 50.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.04 cfs @ 12.32 hrs HW=51.20' (Free Discharge)
1=Culvert (Inlet Controls 0.04 cfs @ 0.86 fps)

Pond 52P: CB 20



Stage-Area-Storage for Pond 52P: CB 20

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.10	**0.000**	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000		
51.59	0.000		
51.60	0.000		
51.61	0.000		
51.62	0.000		

Summary for Pond 53P: CB 21

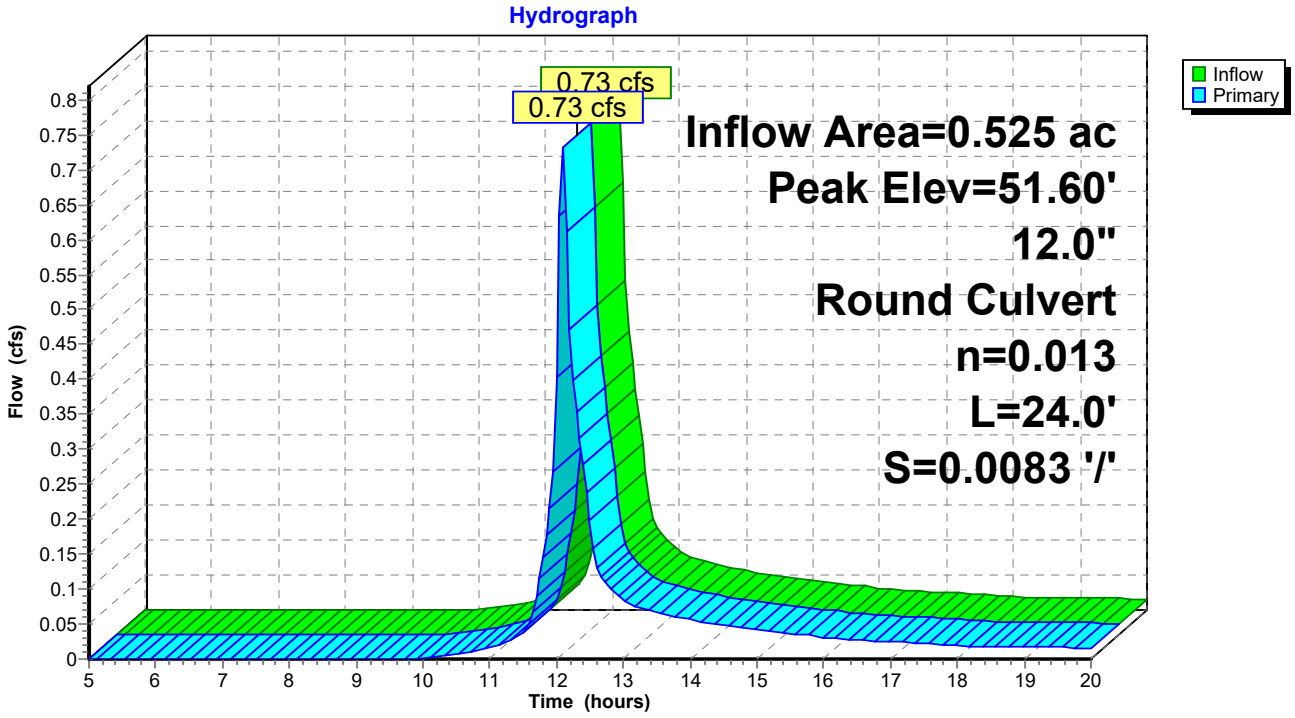
Inflow Area = 0.525 ac, 65.45% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 0.73 cfs @ 12.10 hrs, Volume= 0.050 af
Outflow = 0.73 cfs @ 12.10 hrs, Volume= 0.050 af, Atten= 0%, Lag= 0.0 min
Primary = 0.73 cfs @ 12.10 hrs, Volume= 0.050 af
Routed to Pond 54P : DMH 15

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.60' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.10'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.10' / 50.90' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.10 hrs HW=51.60' (Free Discharge)
1=Culvert (Barrel Controls 0.73 cfs @ 2.69 fps)

Pond 53P: CB 21



Stage-Area-Storage for Pond 53P: CB 21

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.10	**0.000**	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000		
51.59	0.000		
51.60	0.000		
51.61	0.000		
51.62	0.000		

Summary for Pond 54P: DMH 15

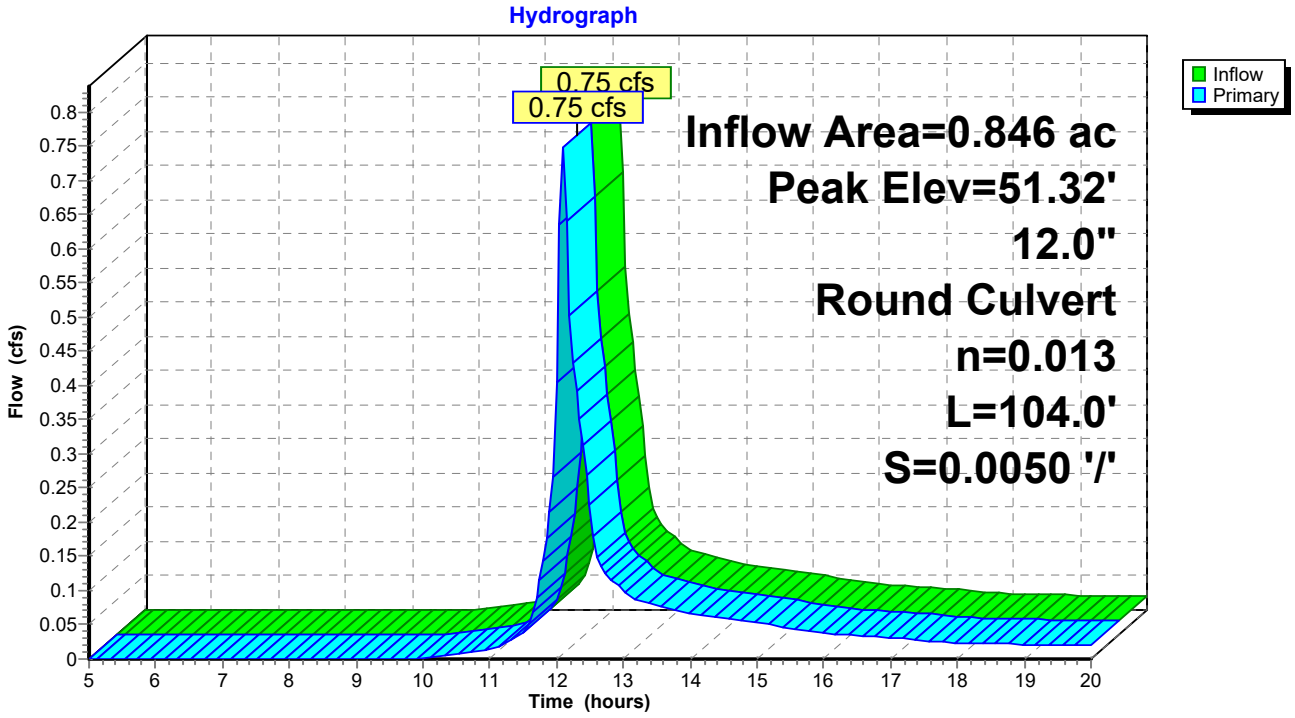
Inflow Area = 0.846 ac, 51.73% Impervious, Inflow Depth > 0.79" for 2-Year event
Inflow = 0.75 cfs @ 12.10 hrs, Volume= 0.056 af
Outflow = 0.75 cfs @ 12.10 hrs, Volume= 0.056 af, Atten= 0%, Lag= 0.0 min
Primary = 0.75 cfs @ 12.10 hrs, Volume= 0.056 af
Routed to Pond 55P : DMH 16

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.32' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.80'	**12.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.80' / 50.28' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.75 cfs @ 12.10 hrs HW=51.32' (Free Discharge)
1=Culvert (Barrel Controls 0.75 cfs @ 2.64 fps)

Pond 54P: DMH 15



Stage-Area-Storage for Pond 54P: DMH 15

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.80	**0.000**	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		
51.32	0.000		

Summary for Pond 55P: DMH 16

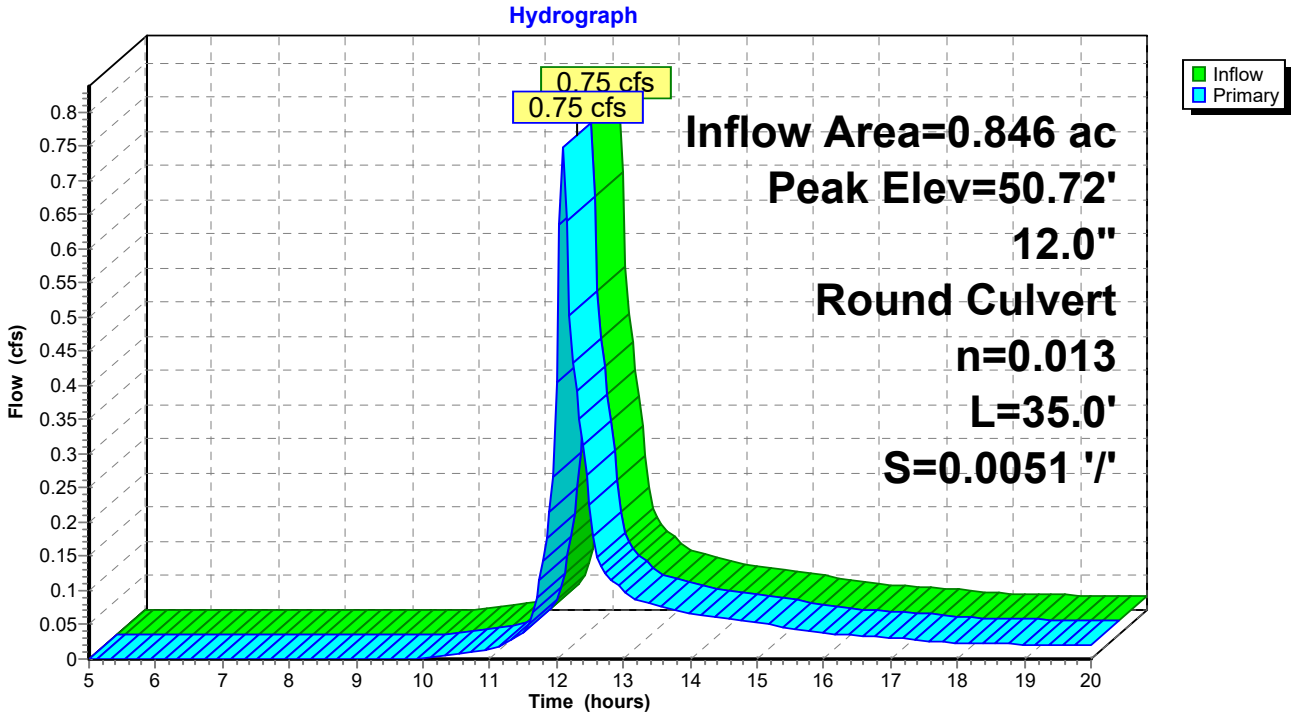
Inflow Area = 0.846 ac, 51.73% Impervious, Inflow Depth > 0.79" for 2-Year event
Inflow = 0.75 cfs @ 12.10 hrs, Volume= 0.056 af
Outflow = 0.75 cfs @ 12.10 hrs, Volume= 0.056 af, Atten= 0%, Lag= 0.0 min
Primary = 0.75 cfs @ 12.10 hrs, Volume= 0.056 af
Routed to Pond 56P : Inf. Basin 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.72' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.18'	**12.0" Round Culvert** L= 35.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.18' / 50.00' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.75 cfs @ 12.10 hrs HW=50.72' (Free Discharge)
1=Culvert (Barrel Controls 0.75 cfs @ 2.50 fps)

Pond 55P: DMH 16



Stage-Area-Storage for Pond 55P: DMH 16

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.18	**0.000**	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000	50.83	0.000
50.31	0.000	50.84	0.000
50.32	0.000	50.85	0.000
50.33	0.000	50.86	0.000
50.34	0.000	50.87	0.000
50.35	0.000	50.88	0.000
50.36	0.000	50.89	0.000
50.37	0.000	50.90	0.000
50.38	0.000	50.91	0.000
50.39	0.000	50.92	0.000
50.40	0.000	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000		
50.67	0.000		
50.68	0.000		
50.69	0.000		
50.70	0.000		

Summary for Pond 56P: Inf. Basin 4

Inflow Area = 1.385 ac, 33.76% Impervious, Inflow Depth > 0.48" for 2-Year event
Inflow = 0.75 cfs @ 12.10 hrs, Volume= 0.056 af
Outflow = 0.28 cfs @ 12.44 hrs, Volume= 0.056 af, Atten= 63%, Lag= 20.6 min
Discarded = 0.28 cfs @ 12.44 hrs, Volume= 0.056 af
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.38' @ 12.44 hrs Surf.Area= 1,473 sf Storage= 465 cf

Plug-Flow detention time= 12.5 min calculated for 0.056 af (100% of inflow)
Center-of-Mass det. time= 11.8 min (829.0 - 817.2)

Volume	Invert	Avail.Storage	Storage Description
#1	50.00'	11,770 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

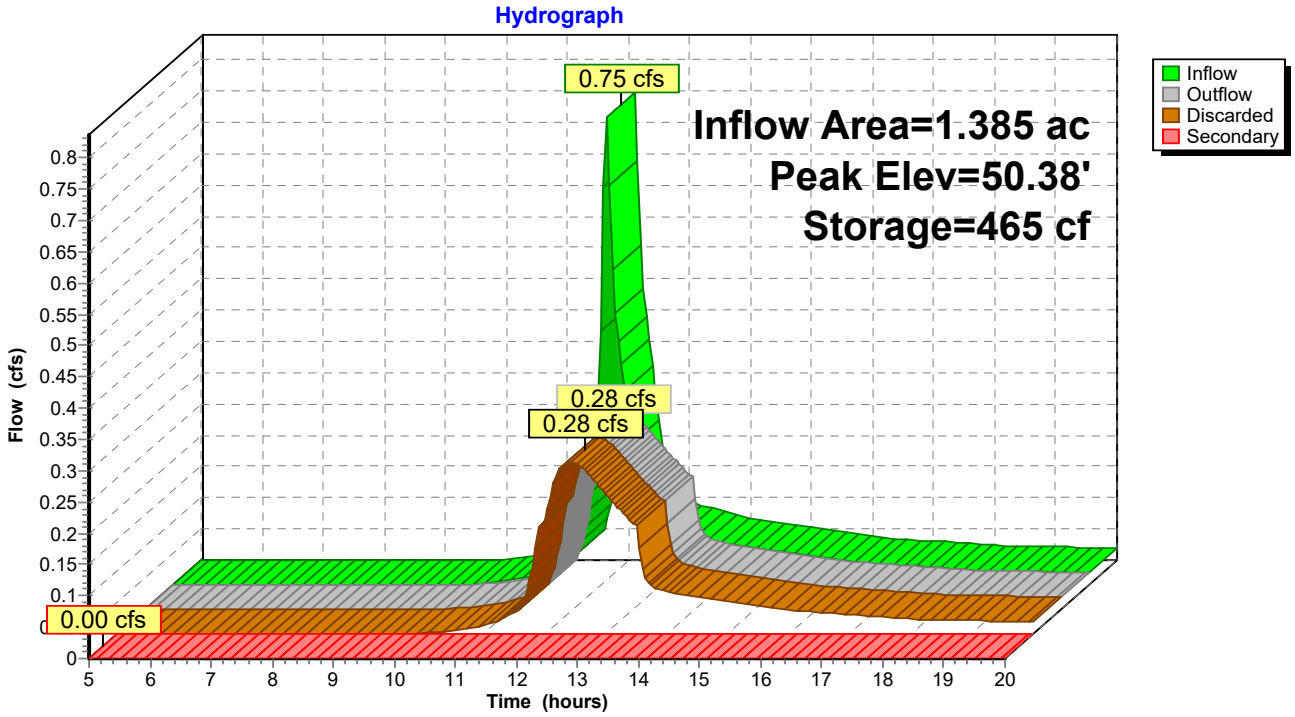
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
50.00	985	0	0
51.00	2,275	1,630	1,630
52.00	2,983	2,629	4,259
53.00	3,742	3,363	7,622
54.00	4,554	4,148	11,770

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.00'	**7.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 48.00'
#2	Secondary	53.50'	**6.0' long x 6.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83

Discarded OutFlow Max=0.28 cfs @ 12.44 hrs HW=50.38' (Free Discharge)
1=Exfiltration (Controls 0.28 cfs)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=50.00' (Free Discharge)
2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 56P: Inf. Basin 4



Stage-Area-Storage for Pond 56P: Inf. Basin 4

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
50.00	985	0
50.05	1,049	51
50.10	1,114	105
50.15	1,178	162
50.20	1,243	223
50.25	1,308	287
50.30	1,372	354
50.35	1,437	424
50.40	1,501	497
50.45	1,566	574
50.50	1,630	654
50.55	1,694	737
50.60	1,759	823
50.65	1,823	913
50.70	1,888	1,006
50.75	1,953	1,102
50.80	2,017	1,201
50.85	2,082	1,303
50.90	2,146	1,409
50.95	2,211	1,518
51.00	2,275	1,630
51.05	2,310	1,745
51.10	2,346	1,861
51.15	2,381	1,979
51.20	2,417	2,099
51.25	2,452	2,221
51.30	2,487	2,344
51.35	2,523	2,470
51.40	2,558	2,597
51.45	2,594	2,725
51.50	2,629	2,856
51.55	2,664	2,988
51.60	2,700	3,122
51.65	2,735	3,258
51.70	2,771	3,396
51.75	2,806	3,535
51.80	2,841	3,677
51.85	2,877	3,820
51.90	2,912	3,964
51.95	2,948	4,111
52.00	2,983	4,259
52.05	3,021	4,409
52.10	3,059	4,561
52.15	3,097	4,715
52.20	3,135	4,871
52.25	3,173	5,028
52.30	3,211	5,188
52.35	3,249	5,350
52.40	3,287	5,513
52.45	3,325	5,678
52.50	3,363	5,845
52.55	3,400	6,014
52.60	3,438	6,185
52.65	3,476	6,358
52.70	3,514	6,533
52.75	3,552	6,710
52.80	3,590	6,888
52.85	3,628	7,069
52.90	3,666	7,251
52.95	3,704	7,435
53.00	3,742	7,622
53.05	3,783	7,810
53.10	3,823	8,000
53.15	3,864	8,192
53.20	3,904	8,386
53.25	3,945	8,582
53.30	3,986	8,781
53.35	4,026	8,981
53.40	4,067	9,183
53.45	4,107	9,388
53.50	4,148	9,594
53.55	4,189	9,802
53.60	4,229	10,013
53.65	4,270	10,225
53.70	4,310	10,440
53.75	4,351	10,656
53.80	4,392	10,875
53.85	4,432	11,096
53.90	4,473	11,318
53.95	4,513	11,543
54.00	**4,554**	**11,770**

Summary for Pond 60P: Sub. Det. 1

Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 2.02" for 2-Year event
Inflow = 4.86 cfs @ 12.09 hrs, Volume= 0.336 af
Outflow = 3.84 cfs @ 12.16 hrs, Volume= 0.251 af, Atten= 21%, Lag= 4.3 min
Primary = 3.84 cfs @ 12.16 hrs, Volume= 0.251 af
Routed to Pond 187P : Constructed Wetland 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.80' @ 12.16 hrs Surf.Area= 0.094 ac Storage= 0.116 af

Plug-Flow detention time= 107.4 min calculated for 0.250 af (74% of inflow)
Center-of-Mass det. time= 47.1 min (820.5 - 773.4)

Volume	Invert	Avail.Storage	Storage Description
#1A	60.00'	0.083 af	**39.50'W x 103.30'L x 3.50'H Field A** 0.328 af Overall - 0.119 af Embedded = 0.209 af x 40.0% Voids
#2A	60.50'	0.119 af	**ADS_StormTech SC-740 b +Cap** x 112 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 112 Chambers in 8 Rows Cap Storage= 2.7 cf x 2 x 8 rows = 42.5 cf
		0.203 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**18.0" Round Culvert** L= 29.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 56.00' S= 0.1379 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	60.50'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	61.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=3.76 cfs @ 12.16 hrs HW=61.79' (Free Discharge)
↑**1=Culvert** (Passes 3.76 cfs of 6.85 cfs potential flow)
↑**2=Orifice/Grate** (Orifice Controls 0.03 cfs @ 5.38 fps)
3=Sharp-Crested Rectangular Weir (Weir Controls 3.73 cfs @ 2.17 fps)

Pond 60P: Sub. Det. 1 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 8 rows = 42.5 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

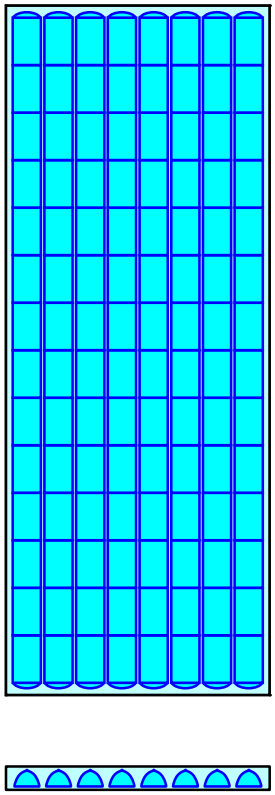
14 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 101.30' Row Length +12.0" End Stone x 2 = 103.30' Base Length
8 Rows x 51.0" Wide + 6.0" Spacing x 7 + 12.0" Side Stone x 2 = 39.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

112 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 8 Rows = 5,187.8 cf Chamber Storage

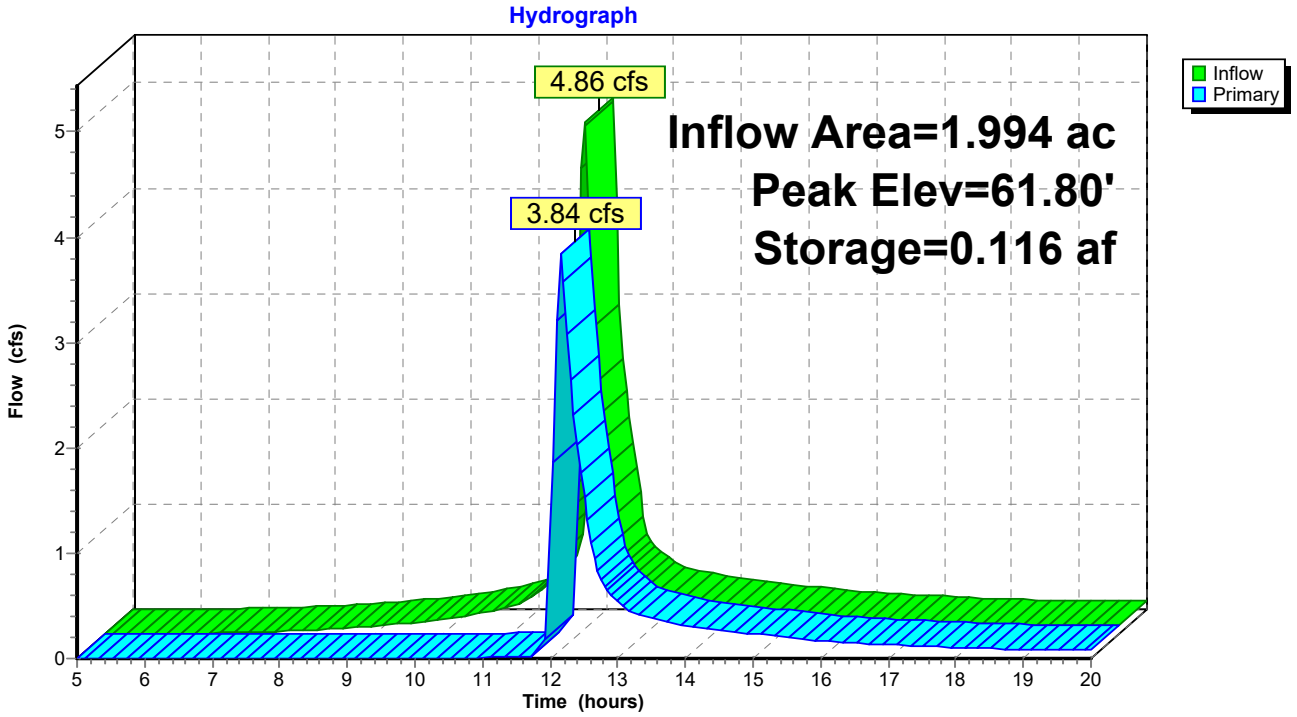
14,280.8 cf Field - 5,187.8 cf Chambers = 9,093.0 cf Stone x 40.0% Voids = 3,637.2 cf Stone Storage

Chamber Storage + Stone Storage = 8,825.0 cf = 0.203 af
Overall Storage Efficiency = 61.8%
Overall System Size = 103.30' x 39.50' x 3.50'

112 Chambers
528.9 cy Field
336.8 cy Stone



Pond 60P: Sub. Det. 1



Stage-Area-Storage for Pond 60P: Sub. Det. 1

Elevation (feet)	Storage (acre-feet)
60.00	0.000
60.05	0.002
60.10	0.004
60.15	0.006
60.20	0.007
60.25	0.009
60.30	0.011
60.35	0.013
60.40	0.015
60.45	0.017
60.50	0.019
60.55	0.023
60.60	0.027
60.65	0.031
60.70	0.034
60.75	0.038
60.80	0.042
60.85	0.046
60.90	0.050
60.95	0.054
61.00	0.058
61.05	0.061
61.10	0.065
61.15	0.069
61.20	0.073
61.25	0.077
61.30	0.080
61.35	0.084
61.40	0.088
61.45	0.091
61.50	0.095
61.55	0.099
61.60	0.102
61.65	0.106
61.70	0.109
61.75	0.113
61.80	0.116
61.85	0.120
61.90	0.123
61.95	0.126
62.00	0.130
62.05	0.133
62.10	0.136
62.15	0.140
62.20	0.143
62.25	0.146
62.30	0.149
62.35	0.152
62.40	0.155
62.45	0.158
62.50	0.161
62.55	0.163
62.60	0.166
62.65	0.169
62.70	0.171
62.75	0.174
62.80	0.176
62.85	0.178
62.90	0.180
62.95	0.182
63.00	0.184
63.05	0.186
63.10	0.188
63.15	0.189
63.20	0.191
63.25	0.193
63.30	0.195
63.35	0.197
63.40	0.199
63.45	0.201
63.50	**0.203**

Summary for Pond 61P: CB 8

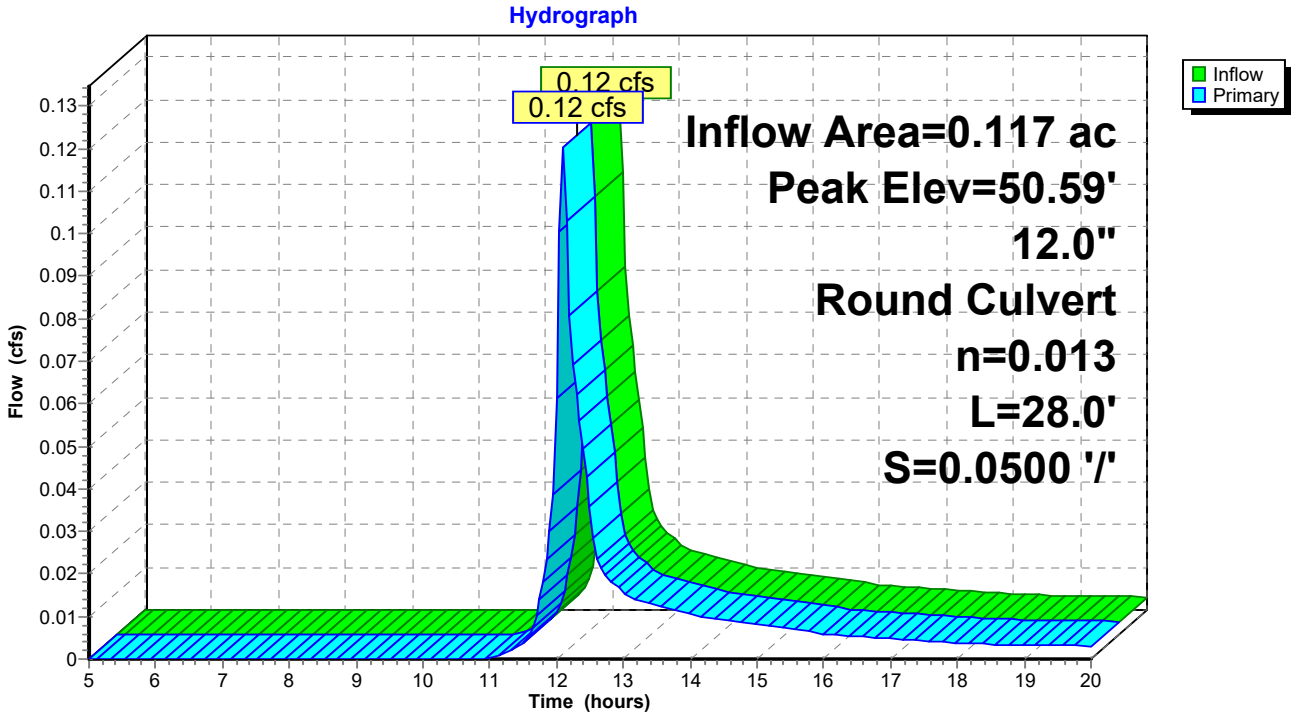
Inflow Area = 0.117 ac, 57.03% Impervious, Inflow Depth > 0.86" for 2-Year event
Inflow = 0.12 cfs @ 12.10 hrs, Volume= 0.008 af
Outflow = 0.12 cfs @ 12.10 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.0 min
Primary = 0.12 cfs @ 12.10 hrs, Volume= 0.008 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.59' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.40'	**12.0" Round Culvert** L= 28.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.40' / 49.00' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.12 cfs @ 12.10 hrs HW=50.59' (Free Discharge)
1=Culvert (Inlet Controls 0.12 cfs @ 1.17 fps)

Pond 61P: CB 8



Stage-Area-Storage for Pond 61P: CB 8

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.40	**0.000**	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000		
50.89	0.000		
50.90	0.000		
50.91	0.000		
50.92	0.000		

Summary for Pond 62P: CB 66

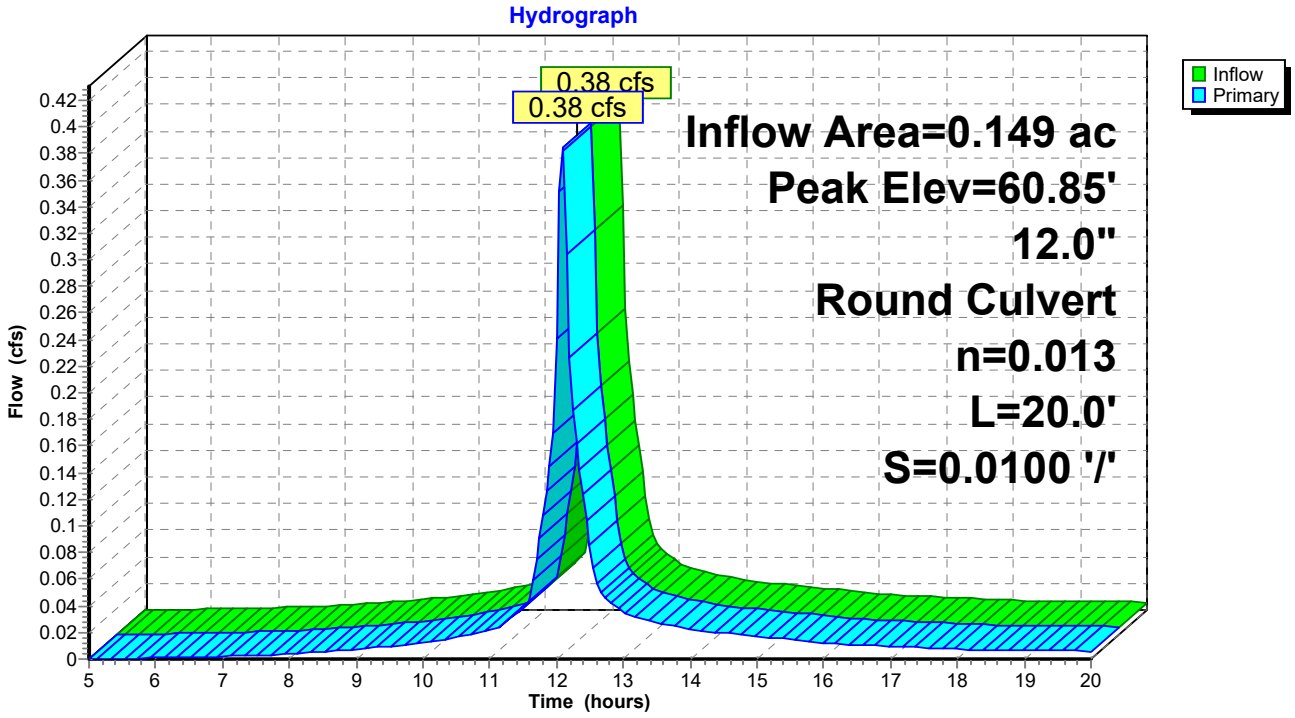
Inflow Area = 0.149 ac, 73.97% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.38 cfs @ 12.09 hrs, Volume= 0.027 af
Outflow = 0.38 cfs @ 12.09 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.38 cfs @ 12.09 hrs, Volume= 0.027 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.85' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.50'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.50' / 60.30' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.38 cfs @ 12.09 hrs HW=60.84' (Free Discharge)
1=Culvert (Inlet Controls 0.38 cfs @ 1.57 fps)

Pond 62P: CB 66



Stage-Area-Storage for Pond 62P: CB 66

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.50	**0.000**	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000		
60.99	0.000		
61.00	0.000		
61.01	0.000		
61.02	0.000		

Summary for Pond 63P: CB 67

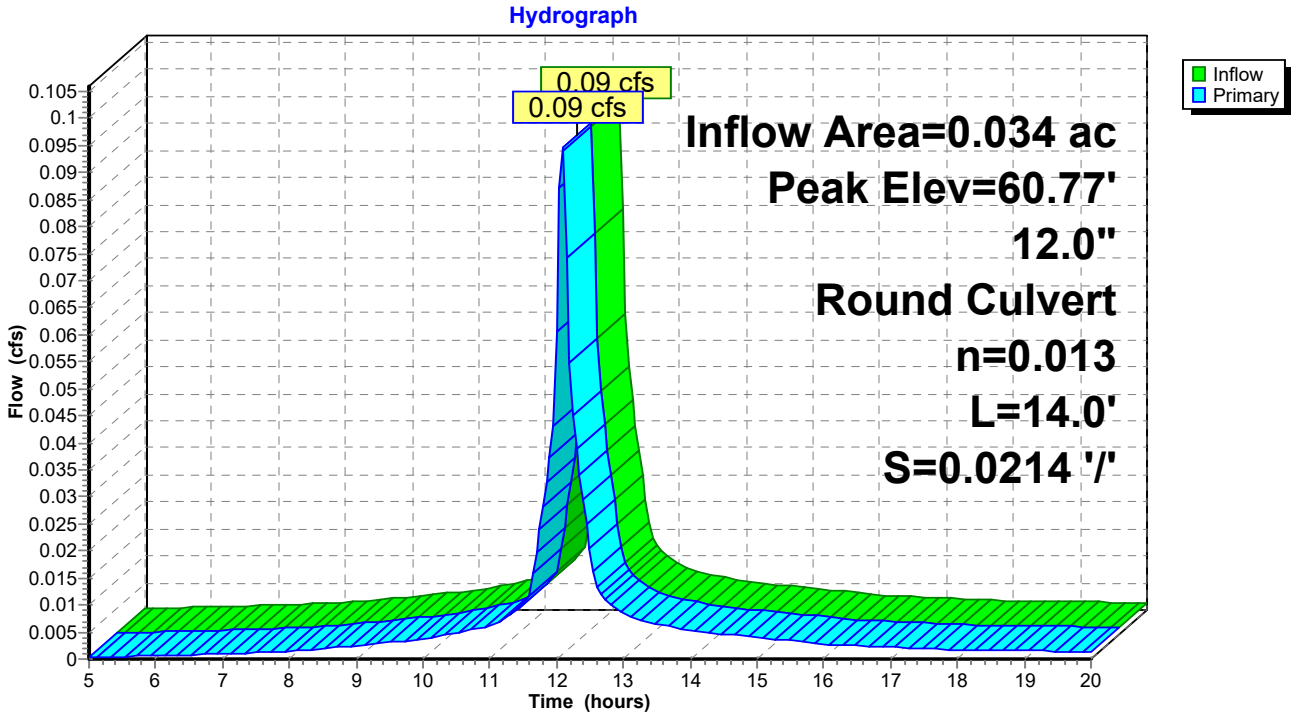
Inflow Area = 0.034 ac, 87.02% Impervious, Inflow Depth > 2.45" for 2-Year event
Inflow = 0.09 cfs @ 12.09 hrs, Volume= 0.007 af
Outflow = 0.09 cfs @ 12.09 hrs, Volume= 0.007 af, Atten= 0%, Lag= 0.0 min
Primary = 0.09 cfs @ 12.09 hrs, Volume= 0.007 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.60'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.60' / 60.30' S= 0.0214 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.09 cfs @ 12.09 hrs HW=60.76' (Free Discharge)
1=Culvert (Inlet Controls 0.09 cfs @ 1.09 fps)

Pond 63P: CB 67



Stage-Area-Storage for Pond 63P: CB 67

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.60	**0.000**	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000		
61.09	0.000		
61.10	0.000		
61.11	0.000		
61.12	0.000		

Summary for Pond 64P: DMH 47

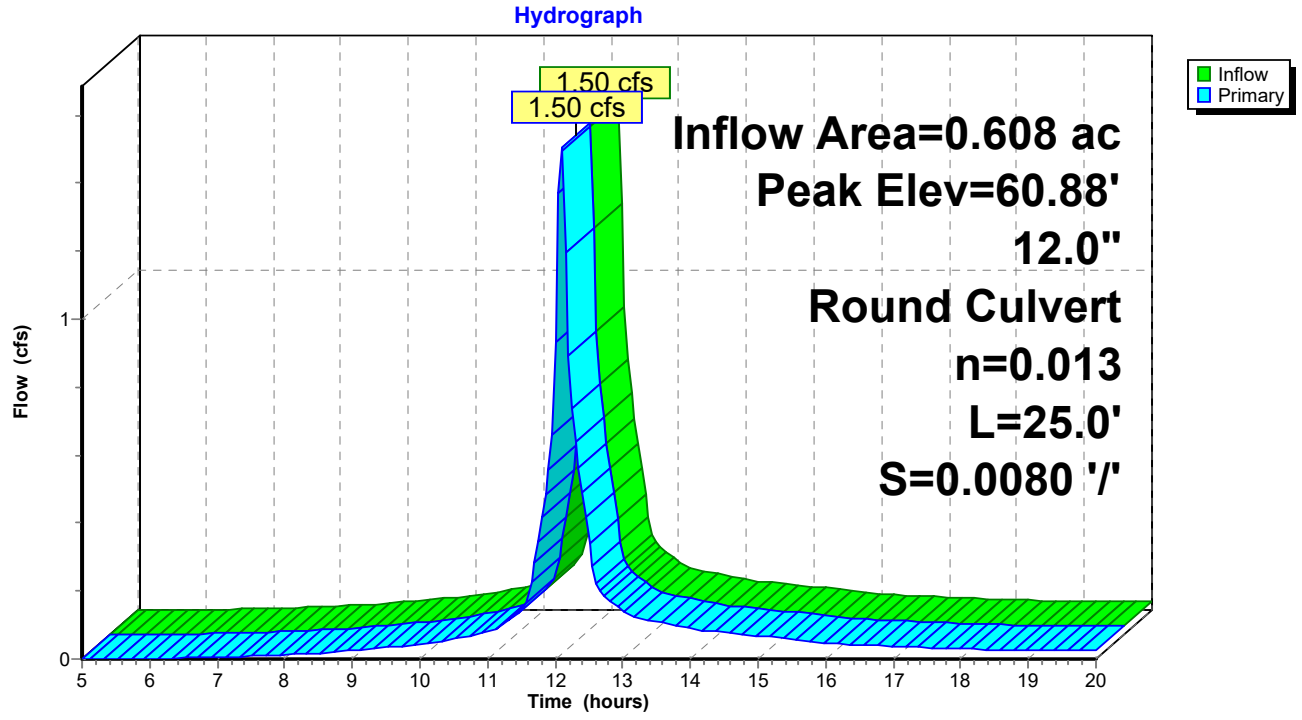
Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 2.06" for 2-Year event
Inflow = 1.50 cfs @ 12.09 hrs, Volume= 0.105 af
Outflow = 1.50 cfs @ 12.09 hrs, Volume= 0.105 af, Atten= 0%, Lag= 0.0 min
Primary = 1.50 cfs @ 12.09 hrs, Volume= 0.105 af
Routed to Pond 207P : DMH 48

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.88' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.10'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.10' / 59.90' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.47 cfs @ 12.09 hrs HW=60.87' (Free Discharge)
1=Culvert (Barrel Controls 1.47 cfs @ 3.12 fps)

Pond 64P: DMH 47



Stage-Area-Storage for Pond 64P: DMH 47

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.10	**0.000**	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000		
60.59	0.000		
60.60	0.000		
60.61	0.000		
60.62	0.000		

Summary for Pond 65P: DMH 49

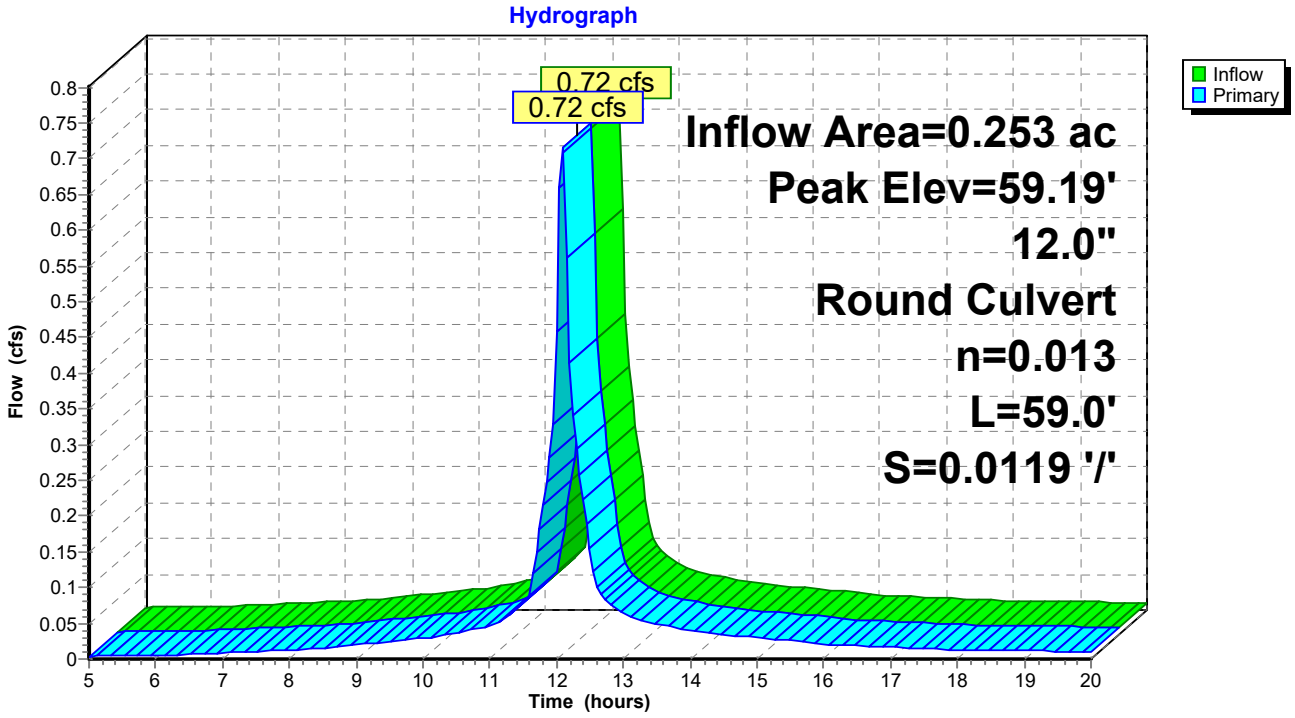
Inflow Area = 0.253 ac, 88.87% Impervious, Inflow Depth > 2.49" for 2-Year event
Inflow = 0.72 cfs @ 12.09 hrs, Volume= 0.052 af
Outflow = 0.72 cfs @ 12.09 hrs, Volume= 0.052 af, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 12.09 hrs, Volume= 0.052 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.70'	**12.0" Round Culvert** L= 59.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.70' / 58.00' S= 0.0119 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.70 cfs @ 12.09 hrs HW=59.18' (Free Discharge)
1=Culvert (Inlet Controls 0.70 cfs @ 1.86 fps)

Pond 65P: DMH 49



Stage-Area-Storage for Pond 65P: DMH 49

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.70	**0.000**	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000		
59.19	0.000		
59.20	0.000		
59.21	0.000		
59.22	0.000		

Summary for Pond 66P: CB 68

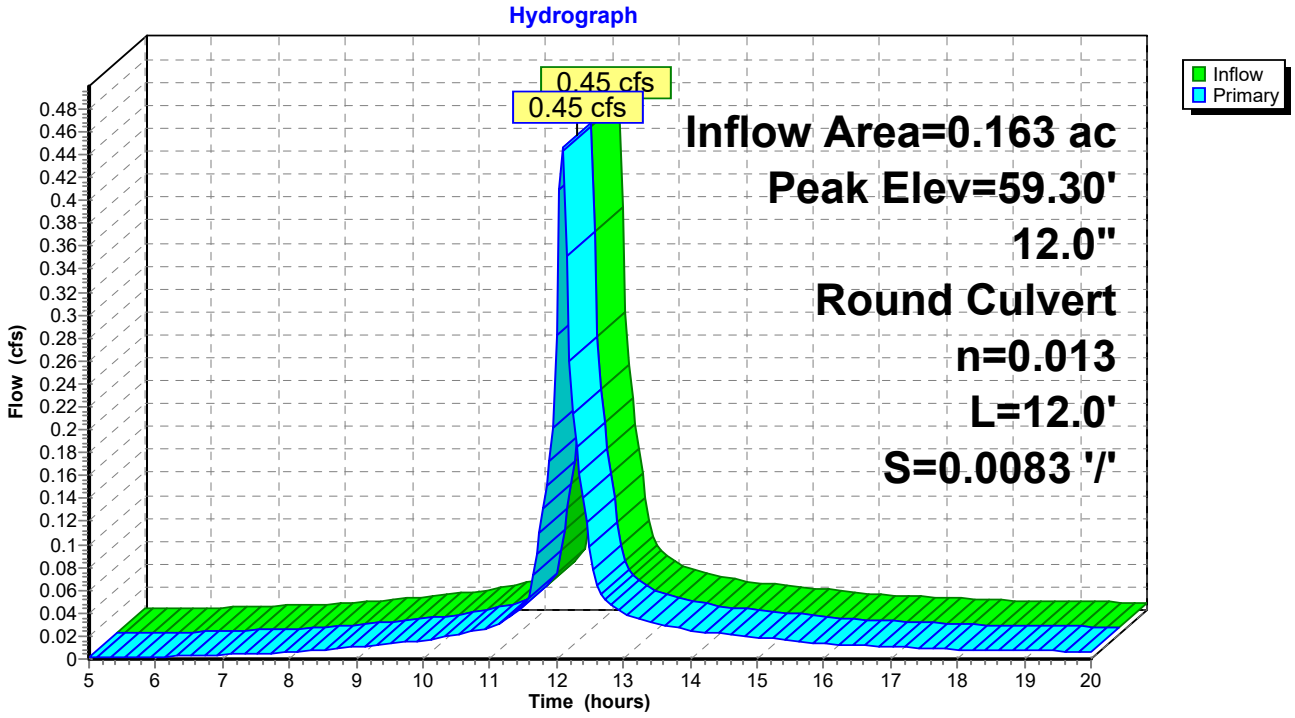
Inflow Area = 0.163 ac, 82.69% Impervious, Inflow Depth > 2.36" for 2-Year event
Inflow = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af
Outflow = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af
Routed to Pond 65P : DMH 49

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.90'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.90' / 58.80' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=59.29' (Free Discharge)
1=Culvert (Barrel Controls 0.43 cfs @ 2.24 fps)

Pond 66P: CB 68



Stage-Area-Storage for Pond 66P: CB 68

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.90	**0.000**	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000	59.71	0.000
59.19	0.000	59.72	0.000
59.20	0.000	59.73	0.000
59.21	0.000	59.74	0.000
59.22	0.000	59.75	0.000
59.23	0.000	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000		
59.39	0.000		
59.40	0.000		
59.41	0.000		
59.42	0.000		

Summary for Pond 67P: CB 69

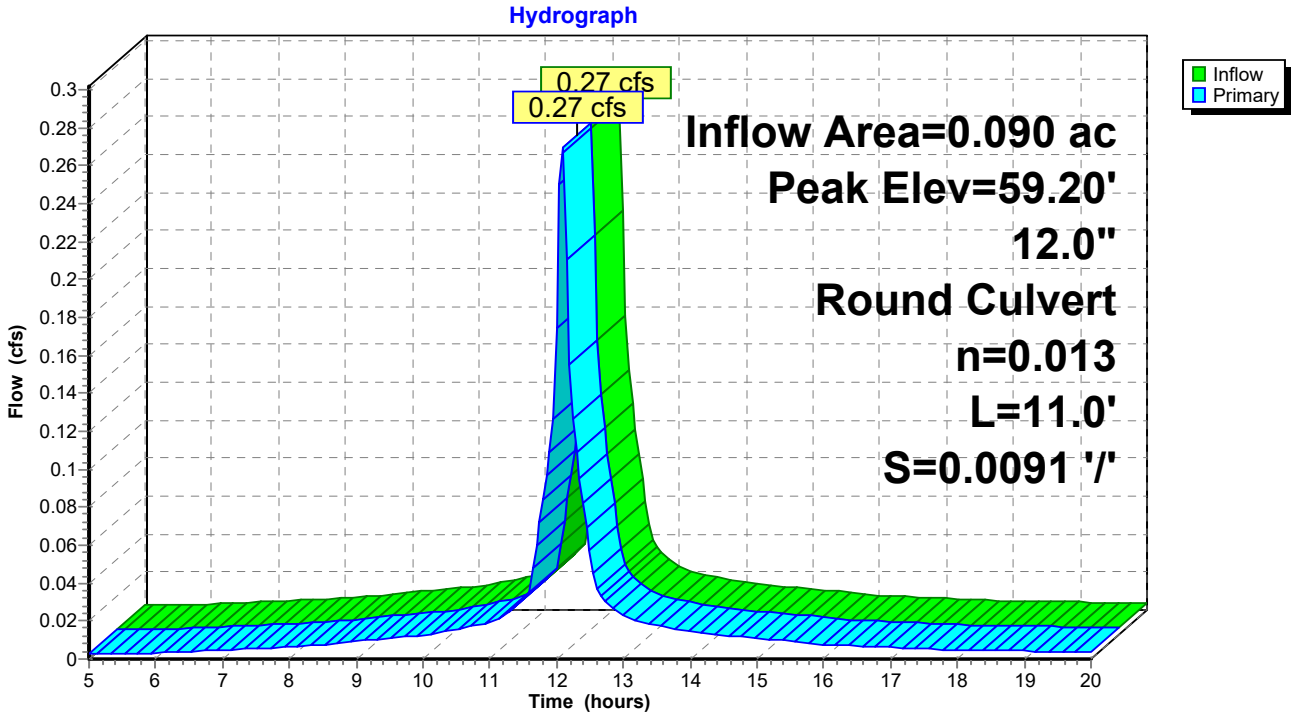
Inflow Area = 0.090 ac,100.00% Impervious, Inflow Depth > 2.73" for 2-Year event
Inflow = 0.27 cfs @ 12.09 hrs, Volume= 0.021 af
Outflow = 0.27 cfs @ 12.09 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.09 hrs, Volume= 0.021 af
Routed to Pond 65P : DMH 49

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.20' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.90'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.90' / 58.80' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=59.19' (Free Discharge)
1=Culvert (Barrel Controls 0.26 cfs @ 2.03 fps)

Pond 67P: CB 69



Stage-Area-Storage for Pond 67P: CB 69

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.90	**0.000**	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000	59.71	0.000
59.19	0.000	59.72	0.000
59.20	0.000	59.73	0.000
59.21	0.000	59.74	0.000
59.22	0.000	59.75	0.000
59.23	0.000	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000		
59.39	0.000		
59.40	0.000		
59.41	0.000		
59.42	0.000		

Summary for Pond 68P: Sub. Inf. 5

Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 2.06" for 2-Year event
Inflow = 1.50 cfs @ 12.09 hrs, Volume= 0.105 af
Outflow = 0.60 cfs @ 12.34 hrs, Volume= 0.076 af, Atten= 60%, Lag= 14.7 min
Discarded = 0.07 cfs @ 12.34 hrs, Volume= 0.054 af
Primary = 0.54 cfs @ 12.34 hrs, Volume= 0.022 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.92' @ 12.34 hrs Surf.Area= 0.042 ac Storage= 0.041 af

Plug-Flow detention time= 137.1 min calculated for 0.076 af (73% of inflow)
Center-of-Mass det. time= 73.7 min (845.3 - 771.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	59.30'	0.030 af	**24.83'W x 74.40'L x 2.33'H Field A** 0.099 af Overall - 0.024 af Embedded = 0.075 af x 40.0% Voids
#2A	59.80'	0.024 af	**ADS_StormTech SC-310 +Cap** x 70 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 70 Chambers in 7 Rows
		0.054 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	59.30'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 56.00'
#2	Primary	59.30'	**12.0" Round Culvert** L= 71.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.30' / 57.00' S= 0.0324 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	60.80'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.07 cfs @ 12.34 hrs HW=60.92' (Free Discharge)
└**1=Exfiltration** (Controls 0.07 cfs)

Primary OutFlow Max=0.53 cfs @ 12.34 hrs HW=60.92' (Free Discharge)
└**2=Culvert** (Passes 0.53 cfs of 3.16 cfs potential flow)
└**3=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.53 cfs @ 1.12 fps)

Pond 68P: Sub. Inf. 5 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-310 +Cap (ADS StormTech® SC-310 with cap length)
Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf
Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap

34.0" Wide + 6.0" Spacing = 40.0" C-C Row Spacing

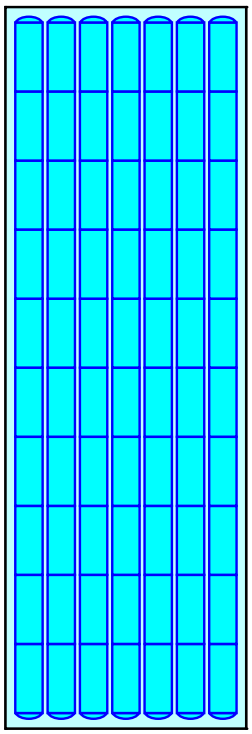
10 Chambers/Row x 7.12' Long +0.60' Cap Length x 2 = 72.40' Row Length +12.0" End Stone x 2 = 74.40' Base Length
7 Rows x 34.0" Wide + 6.0" Spacing x 6 + 12.0" Side Stone x 2 = 24.83' Base Width
6.0" Stone Base + 16.0" Chamber Height + 6.0" Stone Cover = 2.33' Field Height

70 Chambers x 14.7 cf = 1,031.9 cf Chamber Storage

4,311.1 cf Field - 1,031.9 cf Chambers = 3,279.1 cf Stone x 40.0% Voids = 1,311.7 cf Stone Storage

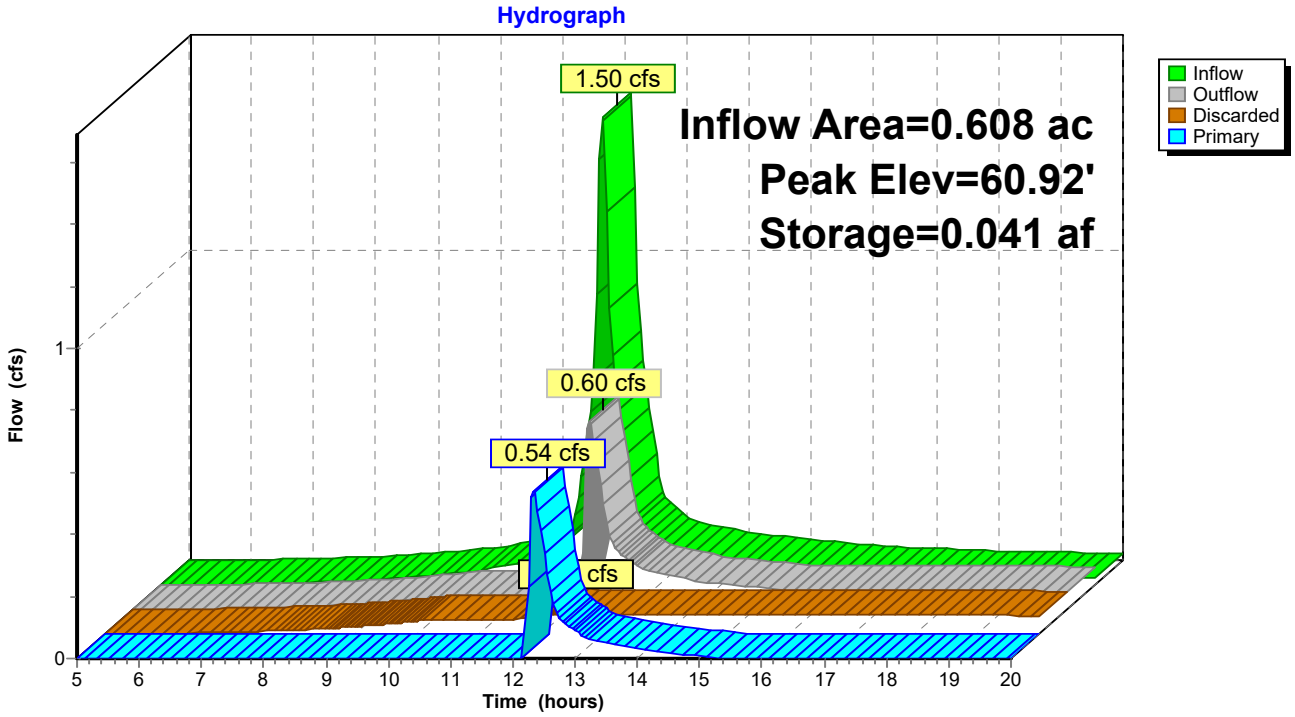
Chamber Storage + Stone Storage = 2,343.6 cf = 0.054 af
Overall Storage Efficiency = 54.4%
Overall System Size = 74.40' x 24.83' x 2.33'

70 Chambers
159.7 cy Field
121.4 cy Stone





Pond 68P: Sub. Inf. 5



Stage-Area-Storage for Pond 68P: Sub. Inf. 5

Elevation (feet)	Surface (acres)	Storage (acre-feet)
59.30	**0.042**	0.000
59.35	0.042	0.001
59.40	0.042	0.002
59.45	0.042	0.003
59.50	0.042	0.003
59.55	0.042	0.004
59.60	0.042	0.005
59.65	0.042	0.006
59.70	0.042	0.007
59.75	0.042	0.008
59.80	0.042	0.008
59.85	0.042	0.010
59.90	0.042	0.012
59.95	0.042	0.013
60.00	0.042	0.015
60.05	0.042	0.017
60.10	0.042	0.018
60.15	0.042	0.020
60.20	0.042	0.022
60.25	0.042	0.023
60.30	0.042	0.025
60.35	0.042	0.026
60.40	0.042	0.028
60.45	0.042	0.029
60.50	0.042	0.031
60.55	0.042	0.032
60.60	0.042	0.033
60.65	0.042	0.035
60.70	0.042	0.036
60.75	0.042	0.037
60.80	0.042	0.039
60.85	0.042	0.040
60.90	0.042	0.041
60.95	0.042	0.042
61.00	0.042	0.043
61.05	0.042	0.044
61.10	0.042	0.045
61.15	0.042	0.046
61.20	0.042	0.046
61.25	0.042	0.047
61.30	0.042	0.048
61.35	0.042	0.049
61.40	0.042	0.050
61.45	0.042	0.051
61.50	0.042	0.052
61.55	0.042	0.052
61.60	0.042	**0.053**

Summary for Pond 69P: CB 72

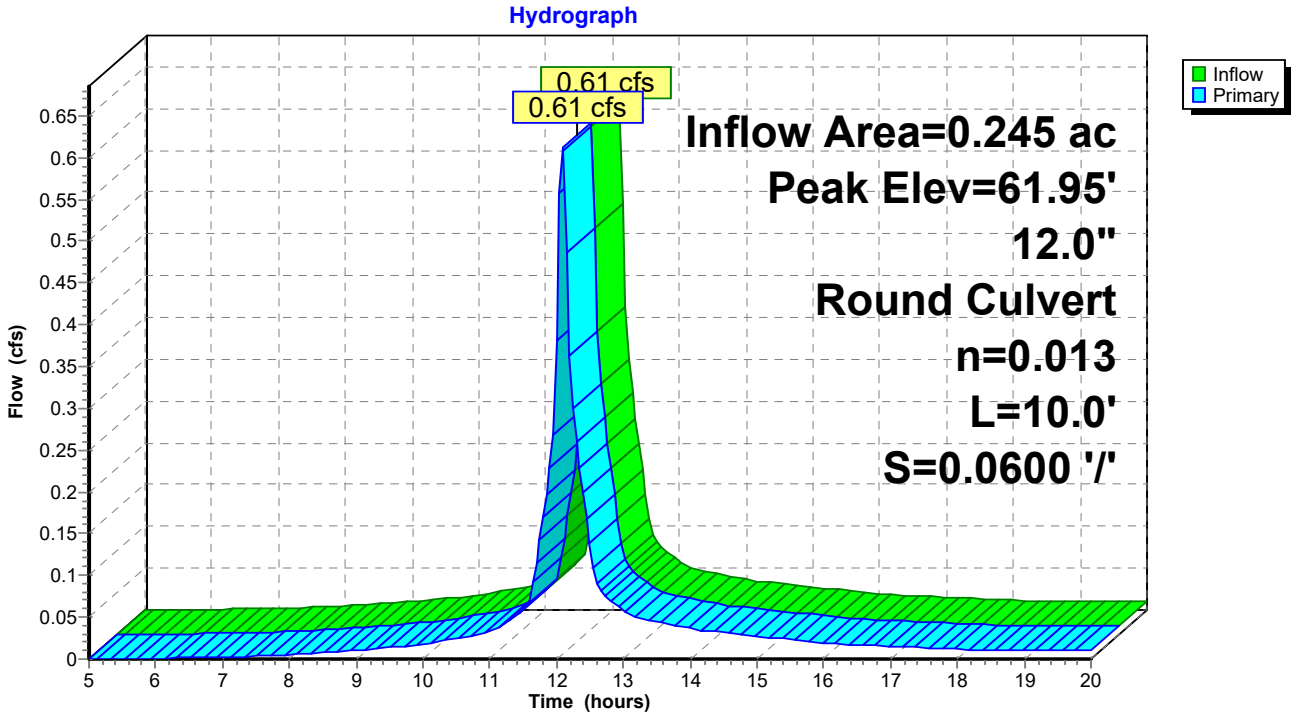
Inflow Area = 0.245 ac, 72.86% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af
Outflow = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af
Routed to Pond 71P : DMH 54

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.95' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.50' / 60.90' S= 0.0600 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.09 hrs HW=61.94' (Free Discharge)
1=Culvert (Inlet Controls 0.60 cfs @ 1.79 fps)

Pond 69P: CB 72



Stage-Area-Storage for Pond 69P: CB 72

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.50	**0.000**	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000		
61.99	0.000		
62.00	0.000		
62.01	0.000		
62.02	0.000		

Summary for Pond 70P: CB 73

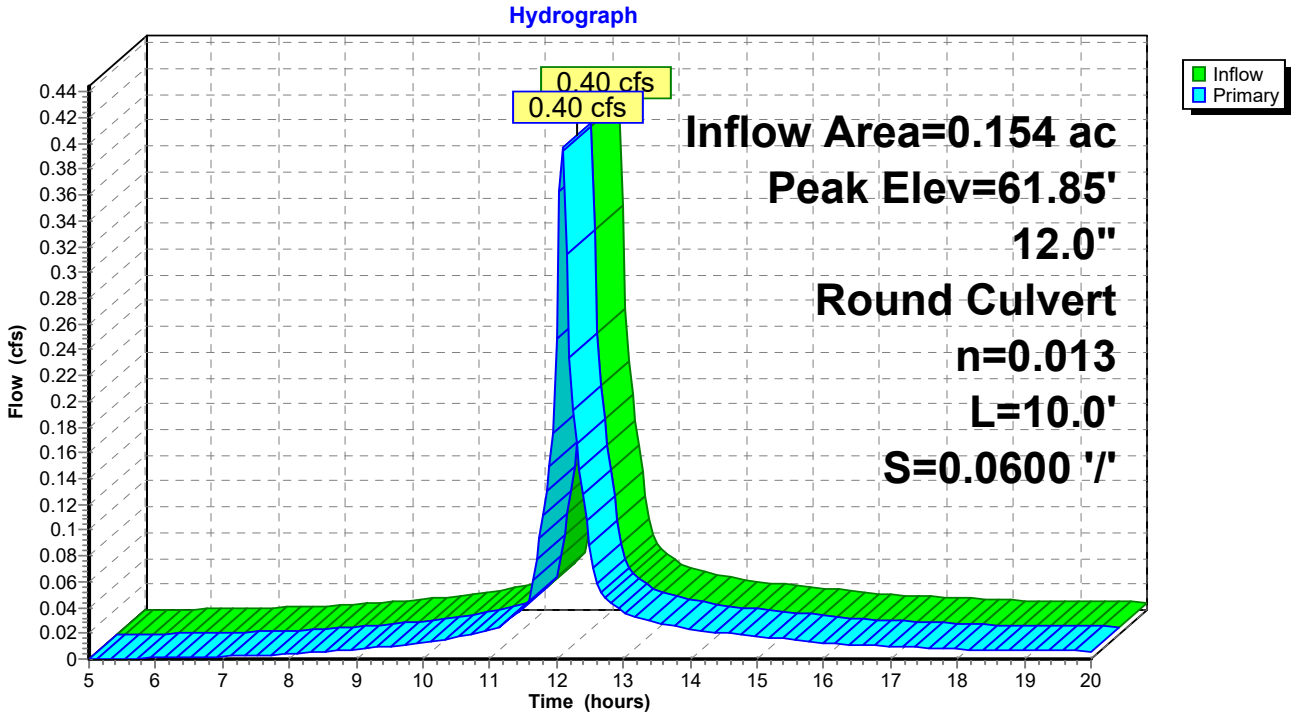
Inflow Area = 0.154 ac, 76.98% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.40 cfs @ 12.09 hrs, Volume= 0.028 af
Outflow = 0.40 cfs @ 12.09 hrs, Volume= 0.028 af, Atten= 0%, Lag= 0.0 min
Primary = 0.40 cfs @ 12.09 hrs, Volume= 0.028 af
Routed to Pond 71P : DMH 54

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.85' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.50' / 60.90' S= 0.0600 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.39 cfs @ 12.09 hrs HW=61.85' (Free Discharge)
1=Culvert (Inlet Controls 0.39 cfs @ 1.59 fps)

Pond 70P: CB 73



Stage-Area-Storage for Pond 70P: CB 73

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.50	**0.000**	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000		
61.99	0.000		
62.00	0.000		
62.01	0.000		
62.02	0.000		

Summary for Pond 71P: DMH 54

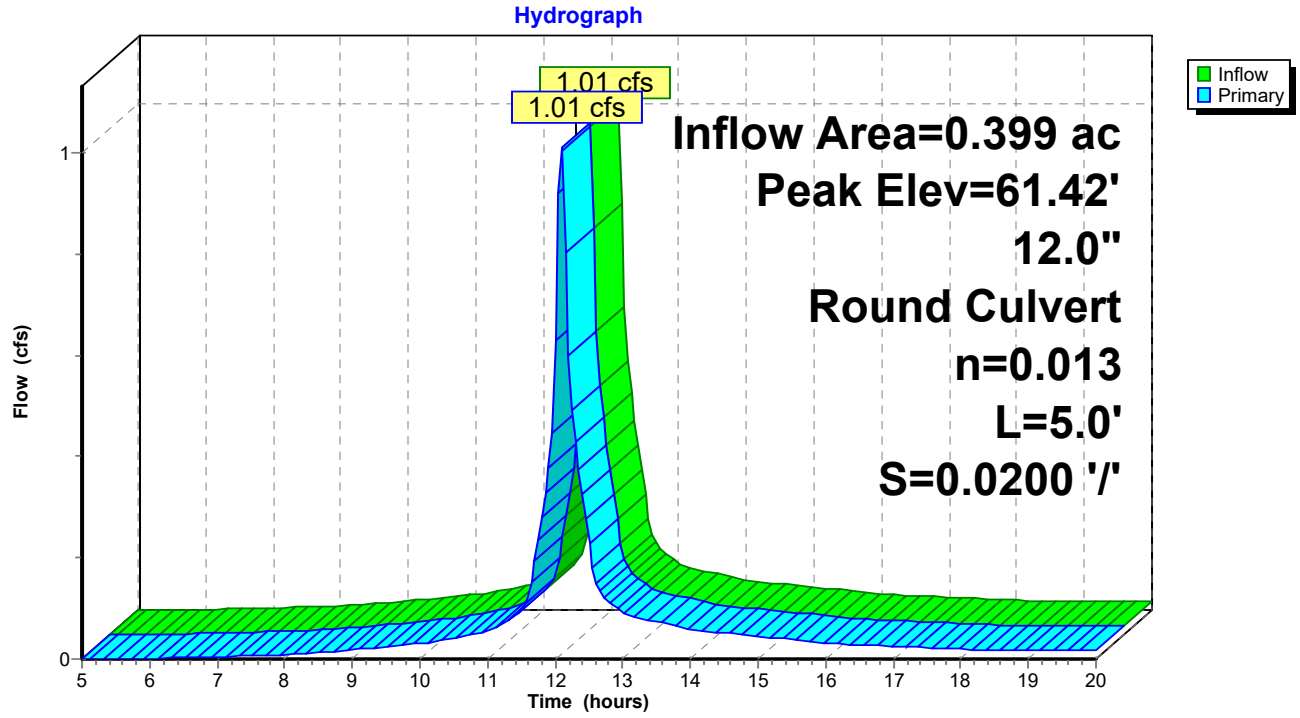
Inflow Area = 0.399 ac, 74.45% Impervious, Inflow Depth > 2.12" for 2-Year event
Inflow = 1.01 cfs @ 12.09 hrs, Volume= 0.070 af
Outflow = 1.01 cfs @ 12.09 hrs, Volume= 0.070 af, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.09 hrs, Volume= 0.070 af
Routed to Pond 72P : Sub. Inf. 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.42' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 60.70' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.99 cfs @ 12.09 hrs HW=61.41' (Free Discharge)
1=Culvert (Barrel Controls 0.99 cfs @ 2.80 fps)

Pond 71P: DMH 54



Stage-Area-Storage for Pond 71P: DMH 54

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000		
61.29	0.000		
61.30	0.000		
61.31	0.000		
61.32	0.000		

Summary for Pond 72P: Sub. Inf. 7

Inflow Area = 0.399 ac, 74.45% Impervious, Inflow Depth > 2.12" for 2-Year event
Inflow = 1.01 cfs @ 12.09 hrs, Volume= 0.070 af
Outflow = 0.24 cfs @ 12.49 hrs, Volume= 0.055 af, Atten= 76%, Lag= 24.2 min
Discarded = 0.06 cfs @ 12.49 hrs, Volume= 0.046 af
Primary = 0.18 cfs @ 12.49 hrs, Volume= 0.009 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.68' @ 12.49 hrs Surf.Area= 0.034 ac Storage= 0.030 af

Plug-Flow detention time= 149.1 min calculated for 0.055 af (79% of inflow)
Center-of-Mass det. time= 93.8 min (863.4 - 769.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	60.20'	0.024 af	**38.17'W x 38.80'L x 2.33'H Field A** 0.079 af Overall - 0.019 af Embedded = 0.061 af x 40.0% Voids
#2A	60.70'	0.019 af	**ADS_StormTech SC-310 +Cap** x 55 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 55 Chambers in 11 Rows
		0.043 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	60.20'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 58.10'
#2	Primary	60.20'	**12.0" Round Culvert** L= 32.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.20' / 57.00' S= 0.1000 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	61.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	62.20'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.06 cfs @ 12.49 hrs HW=61.68' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.06 cfs)

Primary OutFlow Max=0.18 cfs @ 12.49 hrs HW=61.68' (Free Discharge)
↑—**2=Culvert** (Passes 0.18 cfs of 2.95 cfs potential flow)
↑—**3=Orifice/Grate** (Orifice Controls 0.18 cfs @ 1.43 fps)
—**4=Sharp-Crested Vee/Trap Weir** (Controls 0.00 cfs)

Pond 72P: Sub. Inf. 7 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-310 +Cap (ADS StormTech® SC-310 with cap length)
Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf
Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap

34.0" Wide + 6.0" Spacing = 40.0" C-C Row Spacing

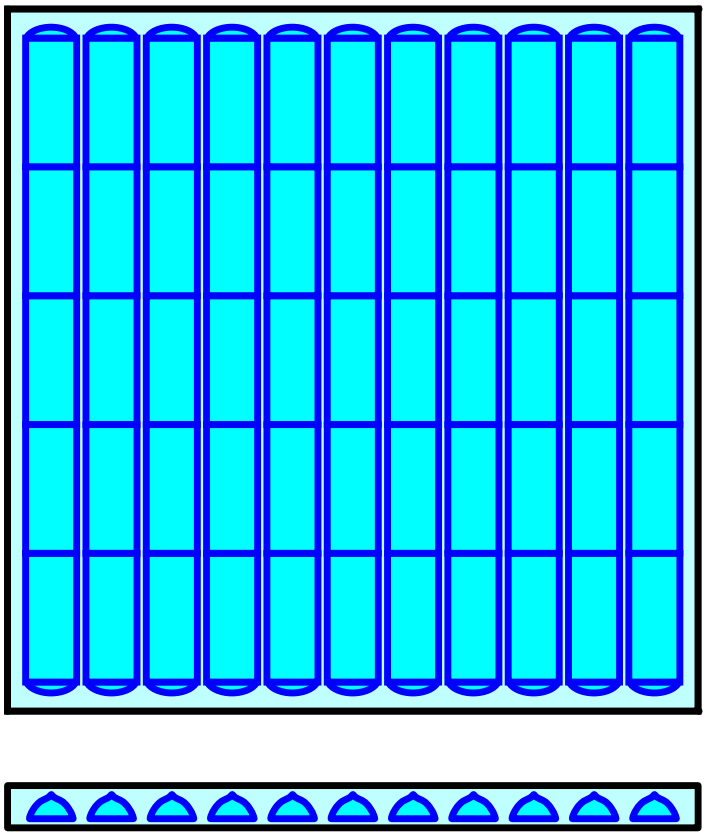
5 Chambers/Row x 7.12' Long +0.60' Cap Length x 2 = 36.80' Row Length +12.0" End Stone x 2 = 38.80' Base Length
11 Rows x 34.0" Wide + 6.0" Spacing x 10 + 12.0" Side Stone x 2 = 38.17' Base Width
6.0" Stone Base + 16.0" Chamber Height + 6.0" Stone Cover = 2.33' Field Height

55 Chambers x 14.7 cf = 810.8 cf Chamber Storage

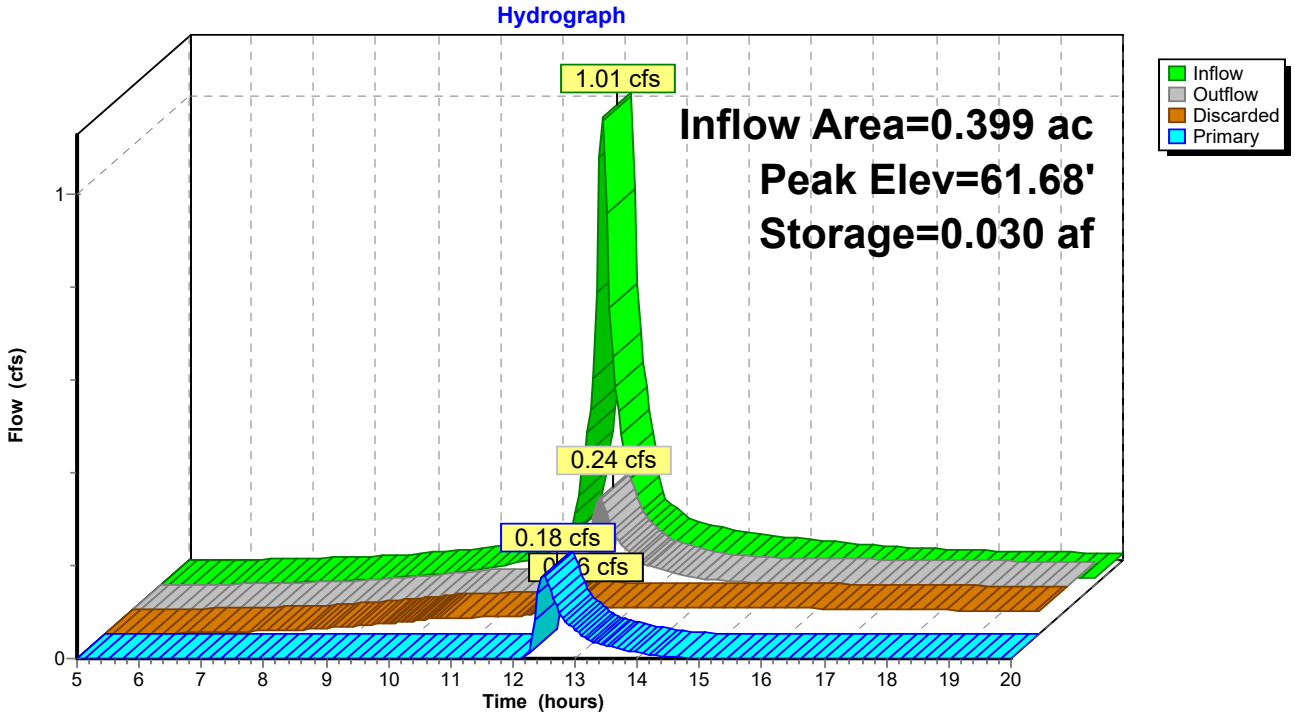
3,455.4 cf Field - 810.8 cf Chambers = 2,644.5 cf Stone x 40.0% Voids = 1,057.8 cf Stone Storage

Chamber Storage + Stone Storage = 1,868.6 cf = 0.043 af
Overall Storage Efficiency = 54.1%
Overall System Size = 38.80' x 38.17' x 2.33'

55 Chambers
128.0 cy Field
97.9 cy Stone



Pond 72P: Sub. Inf. 7



Stage-Area-Storage for Pond 72P: Sub. Inf. 7

Elevation (feet)	Surface (acres)	Storage (acre-feet)
60.20	**0.034**	0.000
60.25	0.034	0.001
60.30	0.034	0.001
60.35	0.034	0.002
60.40	0.034	0.003
60.45	0.034	0.003
60.50	0.034	0.004
60.55	0.034	0.005
60.60	0.034	0.005
60.65	0.034	0.006
60.70	0.034	0.007
60.75	0.034	0.008
60.80	0.034	0.009
60.85	0.034	0.011
60.90	0.034	0.012
60.95	0.034	0.013
61.00	0.034	0.015
61.05	0.034	0.016
61.10	0.034	0.017
61.15	0.034	0.018
61.20	0.034	0.020
61.25	0.034	0.021
61.30	0.034	0.022
61.35	0.034	0.023
61.40	0.034	0.024
61.45	0.034	0.026
61.50	0.034	0.027
61.55	0.034	0.028
61.60	0.034	0.029
61.65	0.034	0.030
61.70	0.034	0.031
61.75	0.034	0.032
61.80	0.034	0.033
61.85	0.034	0.033
61.90	0.034	0.034
61.95	0.034	0.035
62.00	0.034	0.036
62.05	0.034	0.036
62.10	0.034	0.037
62.15	0.034	0.038
62.20	0.034	0.038
62.25	0.034	0.039
62.30	0.034	0.040
62.35	0.034	0.040
62.40	0.034	0.041
62.45	0.034	0.042
62.50	0.034	**0.042**

Summary for Pond 73P: CB 64

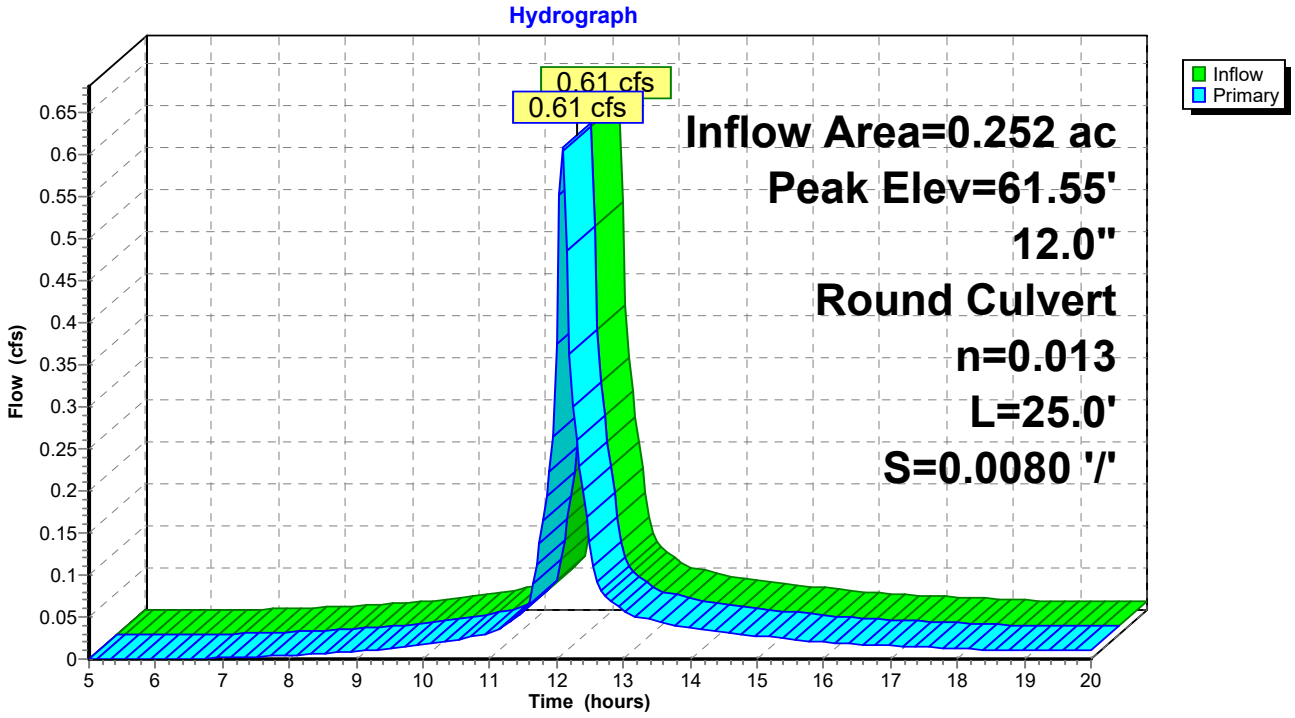
Inflow Area = 0.252 ac, 65.83% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 0.042 af
Outflow = 0.61 cfs @ 12.09 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.09 hrs, Volume= 0.042 af
Routed to Pond 75P : DMH 46

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.55' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.10'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.10' / 60.90' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.59 cfs @ 12.09 hrs HW=61.55' (Free Discharge)
1=Culvert (Barrel Controls 0.59 cfs @ 2.56 fps)

Pond 73P: CB 64



Stage-Area-Storage for Pond 73P: CB 64

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.10	**0.000**	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000		
61.59	0.000		
61.60	0.000		
61.61	0.000		
61.62	0.000		

Summary for Pond 74P: CB 65

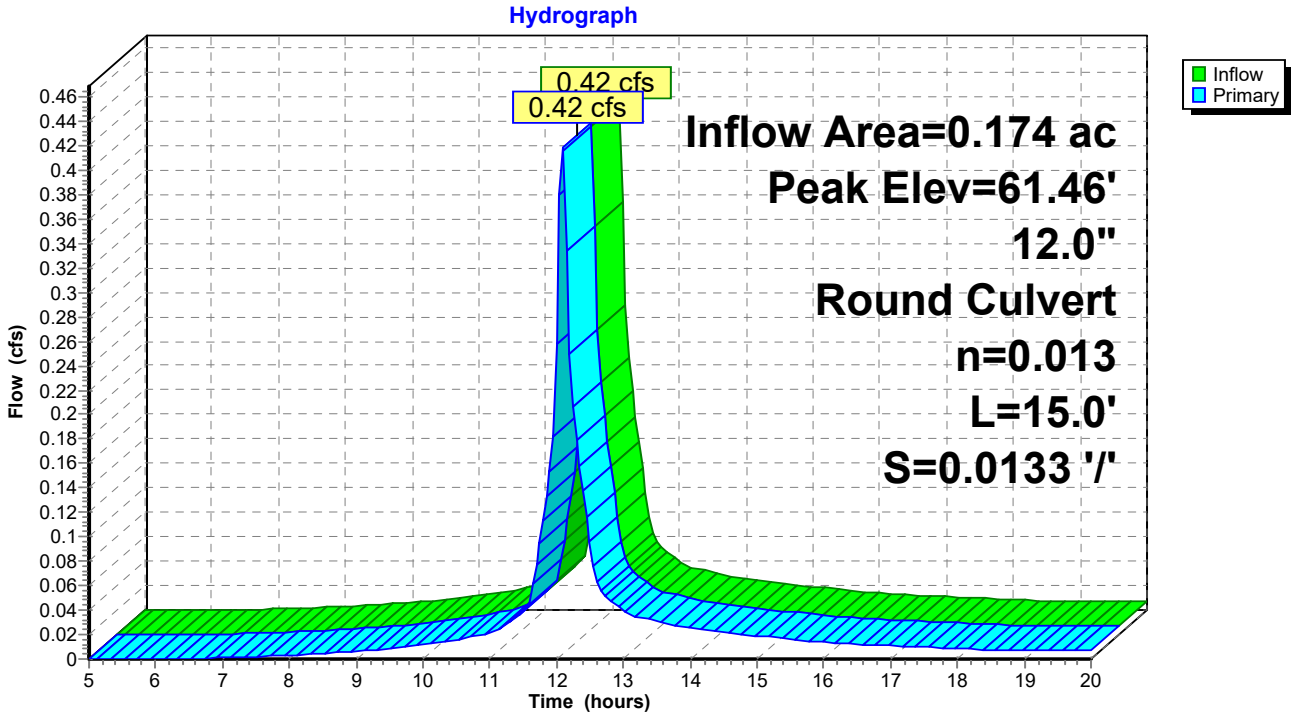
Inflow Area = 0.174 ac, 65.05% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af
Outflow = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af
Routed to Pond 75P : DMH 46

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.46' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.10'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.10' / 60.90' S= 0.0133 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.41 cfs @ 12.09 hrs HW=61.46' (Free Discharge)
1=Culvert (Inlet Controls 0.41 cfs @ 1.61 fps)

Pond 74P: CB 65



Stage-Area-Storage for Pond 74P: CB 65

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.10	**0.000**	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000		
61.59	0.000		
61.60	0.000		
61.61	0.000		
61.62	0.000		

Summary for Pond 75P: DMH 46

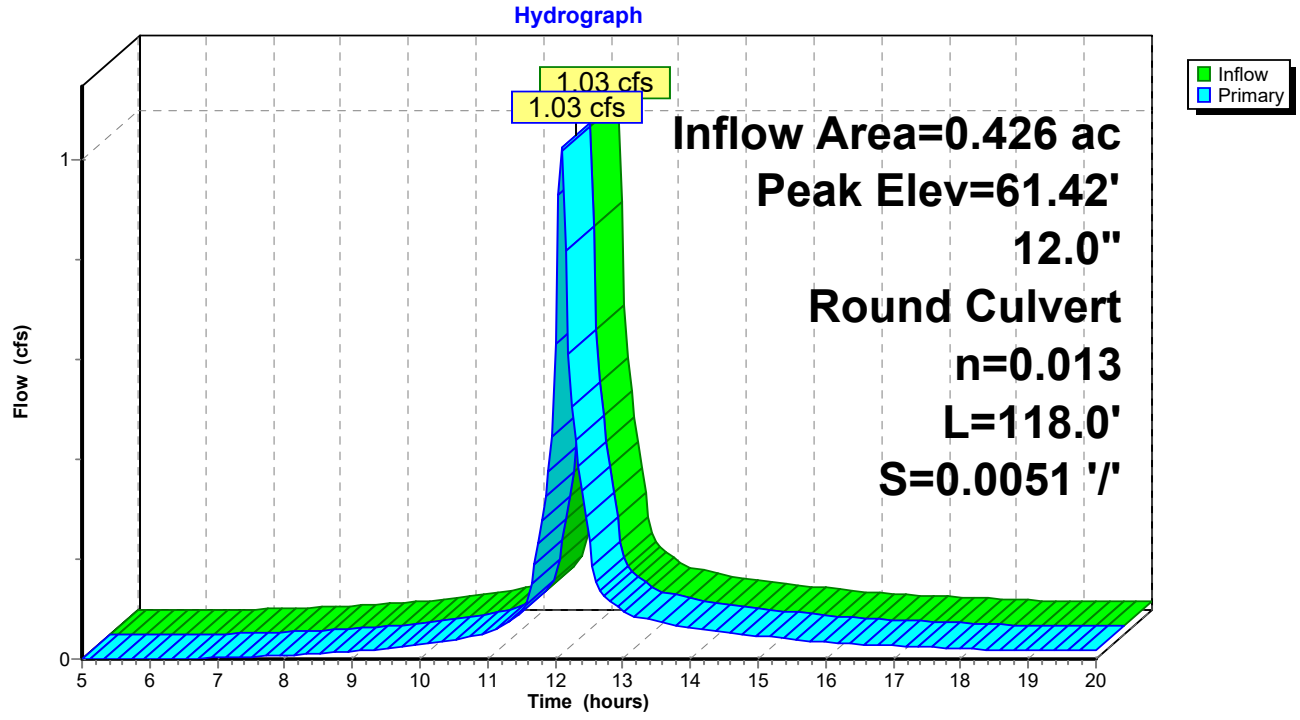
Inflow Area = 0.426 ac, 65.51% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 1.03 cfs @ 12.09 hrs, Volume= 0.071 af
Outflow = 1.03 cfs @ 12.09 hrs, Volume= 0.071 af, Atten= 0%, Lag= 0.0 min
Primary = 1.03 cfs @ 12.09 hrs, Volume= 0.071 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.42' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**12.0" Round Culvert** L= 118.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 60.20' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=61.41' (Free Discharge)
1=Culvert (Barrel Controls 1.00 cfs @ 2.86 fps)

Pond 75P: DMH 46



Stage-Area-Storage for Pond 75P: DMH 46

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000		
61.29	0.000		
61.30	0.000		
61.31	0.000		
61.32	0.000		

Summary for Pond 76P: CB 70

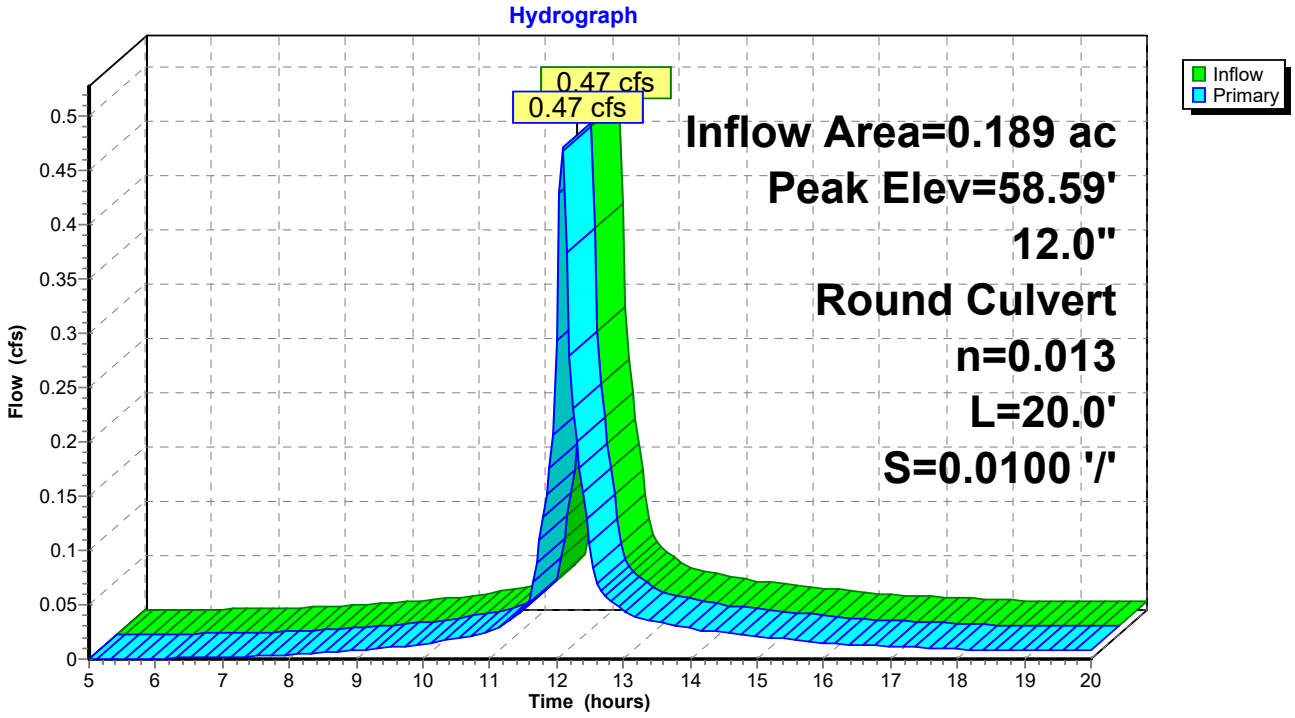
Inflow Area = 0.189 ac, 71.07% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.47 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.47 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.47 cfs @ 12.09 hrs, Volume= 0.033 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.59' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 58.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.46 cfs @ 12.09 hrs HW=58.58' (Free Discharge)
1=Culvert (Inlet Controls 0.46 cfs @ 1.66 fps)

Pond 76P: CB 70



Stage-Area-Storage for Pond 76P: CB 70

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000		
58.69	0.000		
58.70	0.000		
58.71	0.000		
58.72	0.000		

Summary for Pond 77P: CB 71

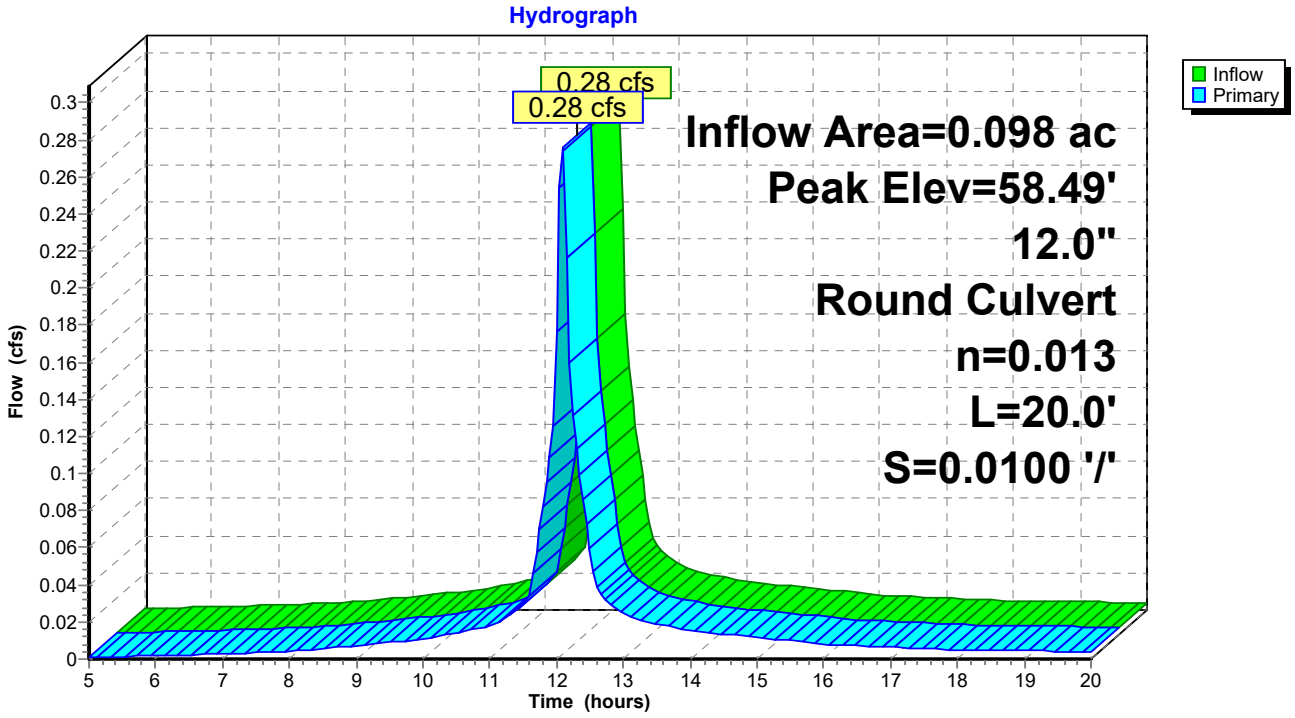
Inflow Area = 0.098 ac, 95.31% Impervious, Inflow Depth > 2.45" for 2-Year event
Inflow = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af
Outflow = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.49' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 58.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=58.49' (Free Discharge)
1=Culvert (Inlet Controls 0.27 cfs @ 1.44 fps)

Pond 77P: CB 71



Stage-Area-Storage for Pond 77P: CB 71

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000		
58.69	0.000		
58.70	0.000		
58.71	0.000		
58.72	0.000		

Summary for Pond 78P: DMH 50

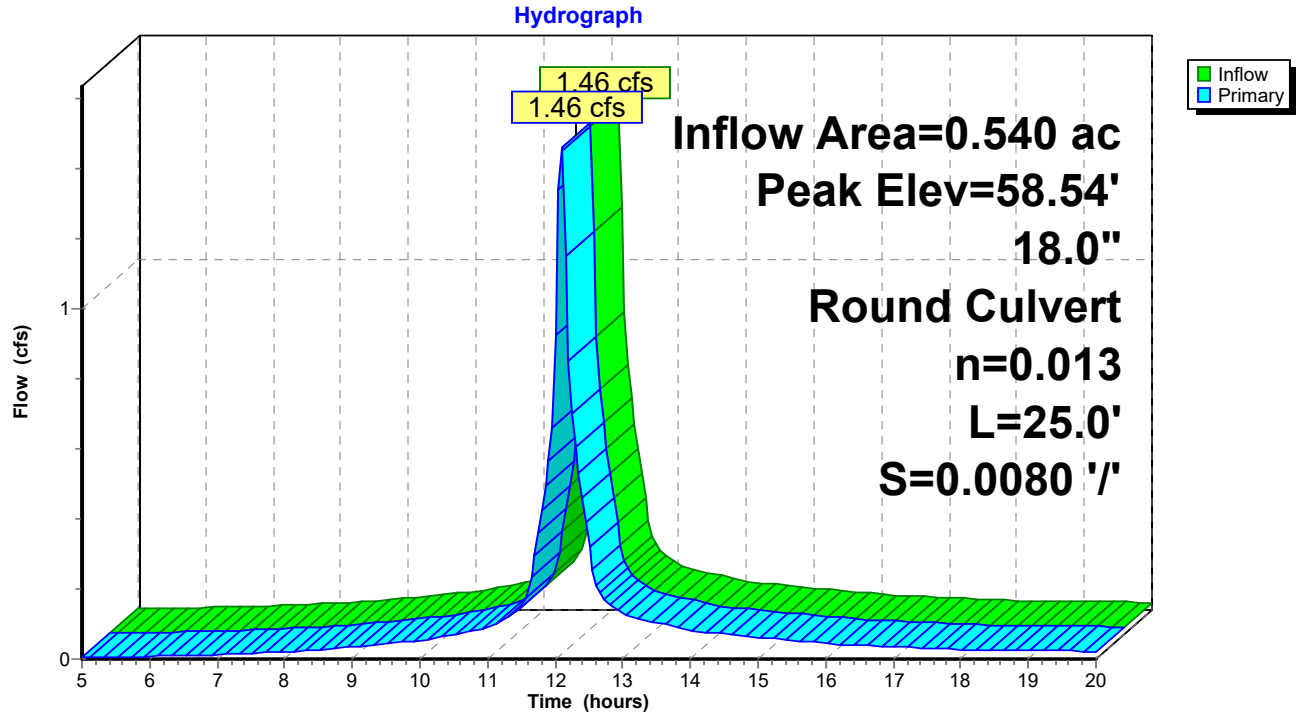
Inflow Area = 0.540 ac, 83.81% Impervious, Inflow Depth > 2.34" for 2-Year event
Inflow = 1.46 cfs @ 12.09 hrs, Volume= 0.105 af
Outflow = 1.46 cfs @ 12.09 hrs, Volume= 0.105 af, Atten= 0%, Lag= 0.0 min
Primary = 1.46 cfs @ 12.09 hrs, Volume= 0.105 af
Routed to Pond 79P : DMH 51

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.54' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.90'	**18.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.90' / 57.70' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.43 cfs @ 12.09 hrs HW=58.53' (Free Discharge)
1=Culvert (Barrel Controls 1.43 cfs @ 2.97 fps)

Pond 78P: DMH 50



Stage-Area-Storage for Pond 78P: DMH 50

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.90	**0.000**	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000	59.11	0.000
58.06	0.000	58.59	0.000	59.12	0.000
58.07	0.000	58.60	0.000	59.13	0.000
58.08	0.000	58.61	0.000	59.14	0.000
58.09	0.000	58.62	0.000	59.15	0.000
58.10	0.000	58.63	0.000	59.16	0.000
58.11	0.000	58.64	0.000	59.17	0.000
58.12	0.000	58.65	0.000	59.18	0.000
58.13	0.000	58.66	0.000	59.19	0.000
58.14	0.000	58.67	0.000	59.20	0.000
58.15	0.000	58.68	0.000	59.21	0.000
58.16	0.000	58.69	0.000	59.22	0.000
58.17	0.000	58.70	0.000	59.23	0.000
58.18	0.000	58.71	0.000	59.24	0.000
58.19	0.000	58.72	0.000	59.25	0.000
58.20	0.000	58.73	0.000	59.26	0.000
58.21	0.000	58.74	0.000	59.27	0.000
58.22	0.000	58.75	0.000	59.28	0.000
58.23	0.000	58.76	0.000	59.29	0.000
58.24	0.000	58.77	0.000	59.30	0.000
58.25	0.000	58.78	0.000	59.31	0.000
58.26	0.000	58.79	0.000	59.32	0.000
58.27	0.000	58.80	0.000	59.33	0.000
58.28	0.000	58.81	0.000	59.34	0.000
58.29	0.000	58.82	0.000	59.35	0.000
58.30	0.000	58.83	0.000	59.36	0.000
58.31	0.000	58.84	0.000	59.37	0.000
58.32	0.000	58.85	0.000	59.38	0.000
58.33	0.000	58.86	0.000	59.39	0.000
58.34	0.000	58.87	0.000	59.40	0.000
58.35	0.000	58.88	0.000		
58.36	0.000	58.89	0.000		
58.37	0.000	58.90	0.000		
58.38	0.000	58.91	0.000		
58.39	0.000	58.92	0.000		
58.40	0.000	58.93	0.000		
58.41	0.000	58.94	0.000		
58.42	0.000	58.95	0.000		

Summary for Pond 79P: DMH 51

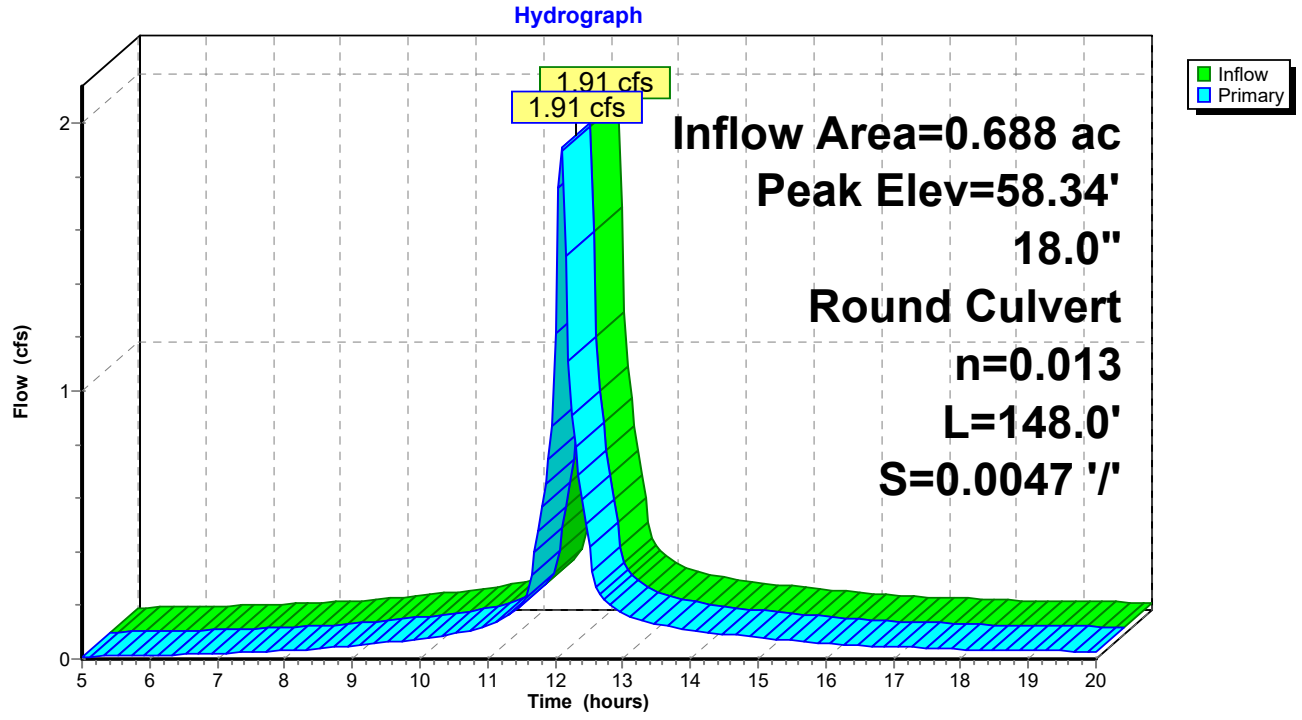
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 2.42" for 2-Year event
Inflow = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af
Outflow = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af, Atten= 0%, Lag= 0.0 min
Primary = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af
Routed to Pond 80P : DMH 52

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.34' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.60'	**18.0" Round Culvert** L= 148.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.60' / 56.91' S= 0.0047 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.86 cfs @ 12.09 hrs HW=58.33' (Free Discharge)
1=Culvert (Barrel Controls 1.86 cfs @ 3.18 fps)

Pond 79P: DMH 51



Stage-Area-Storage for Pond 79P: DMH 51

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.60	**0.000**	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000	58.90	0.000
57.85	0.000	58.38	0.000	58.91	0.000
57.86	0.000	58.39	0.000	58.92	0.000
57.87	0.000	58.40	0.000	58.93	0.000
57.88	0.000	58.41	0.000	58.94	0.000
57.89	0.000	58.42	0.000	58.95	0.000
57.90	0.000	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000		
58.06	0.000	58.59	0.000		
58.07	0.000	58.60	0.000		
58.08	0.000	58.61	0.000		
58.09	0.000	58.62	0.000		
58.10	0.000	58.63	0.000		
58.11	0.000	58.64	0.000		
58.12	0.000	58.65	0.000		

Summary for Pond 80P: DMH 52

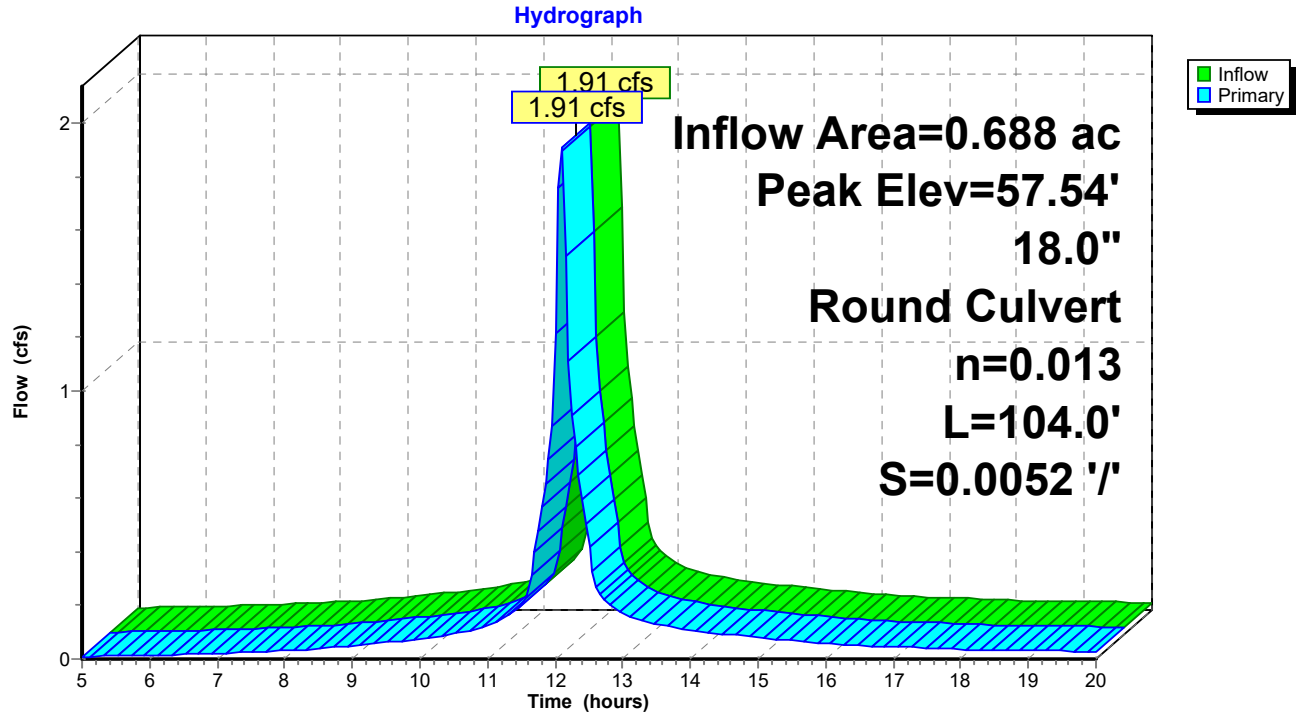
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 2.42" for 2-Year event
Inflow = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af
Outflow = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af, Atten= 0%, Lag= 0.0 min
Primary = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af
Routed to Pond 81P : DMH 53

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.54' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.81'	**18.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.81' / 56.27' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.86 cfs @ 12.09 hrs HW=57.53' (Free Discharge)
1=Culvert (Barrel Controls 1.86 cfs @ 3.22 fps)

Pond 80P: DMH 52



Stage-Area-Storage for Pond 80P: DMH 52

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.81	**0.000**	57.34	0.000	57.87	0.000
56.82	0.000	57.35	0.000	57.88	0.000
56.83	0.000	57.36	0.000	57.89	0.000
56.84	0.000	57.37	0.000	57.90	0.000
56.85	0.000	57.38	0.000	57.91	0.000
56.86	0.000	57.39	0.000	57.92	0.000
56.87	0.000	57.40	0.000	57.93	0.000
56.88	0.000	57.41	0.000	57.94	0.000
56.89	0.000	57.42	0.000	57.95	0.000
56.90	0.000	57.43	0.000	57.96	0.000
56.91	0.000	57.44	0.000	57.97	0.000
56.92	0.000	57.45	0.000	57.98	0.000
56.93	0.000	57.46	0.000	57.99	0.000
56.94	0.000	57.47	0.000	58.00	0.000
56.95	0.000	57.48	0.000	58.01	0.000
56.96	0.000	57.49	0.000	58.02	0.000
56.97	0.000	57.50	0.000	58.03	0.000
56.98	0.000	57.51	0.000	58.04	0.000
56.99	0.000	57.52	0.000	58.05	0.000
57.00	0.000	57.53	0.000	58.06	0.000
57.01	0.000	57.54	0.000	58.07	0.000
57.02	0.000	57.55	0.000	58.08	0.000
57.03	0.000	57.56	0.000	58.09	0.000
57.04	0.000	57.57	0.000	58.10	0.000
57.05	0.000	57.58	0.000	58.11	0.000
57.06	0.000	57.59	0.000	58.12	0.000
57.07	0.000	57.60	0.000	58.13	0.000
57.08	0.000	57.61	0.000	58.14	0.000
57.09	0.000	57.62	0.000	58.15	0.000
57.10	0.000	57.63	0.000	58.16	0.000
57.11	0.000	57.64	0.000	58.17	0.000
57.12	0.000	57.65	0.000	58.18	0.000
57.13	0.000	57.66	0.000	58.19	0.000
57.14	0.000	57.67	0.000	58.20	0.000
57.15	0.000	57.68	0.000	58.21	0.000
57.16	0.000	57.69	0.000	58.22	0.000
57.17	0.000	57.70	0.000	58.23	0.000
57.18	0.000	57.71	0.000	58.24	0.000
57.19	0.000	57.72	0.000	58.25	0.000
57.20	0.000	57.73	0.000	58.26	0.000
57.21	0.000	57.74	0.000	58.27	0.000
57.22	0.000	57.75	0.000	58.28	0.000
57.23	0.000	57.76	0.000	58.29	0.000
57.24	0.000	57.77	0.000	58.30	0.000
57.25	0.000	57.78	0.000	58.31	0.000
57.26	0.000	57.79	0.000		
57.27	0.000	57.80	0.000		
57.28	0.000	57.81	0.000		
57.29	0.000	57.82	0.000		
57.30	0.000	57.83	0.000		
57.31	0.000	57.84	0.000		
57.32	0.000	57.85	0.000		
57.33	0.000	57.86	0.000		

Summary for Pond 81P: DMH 53

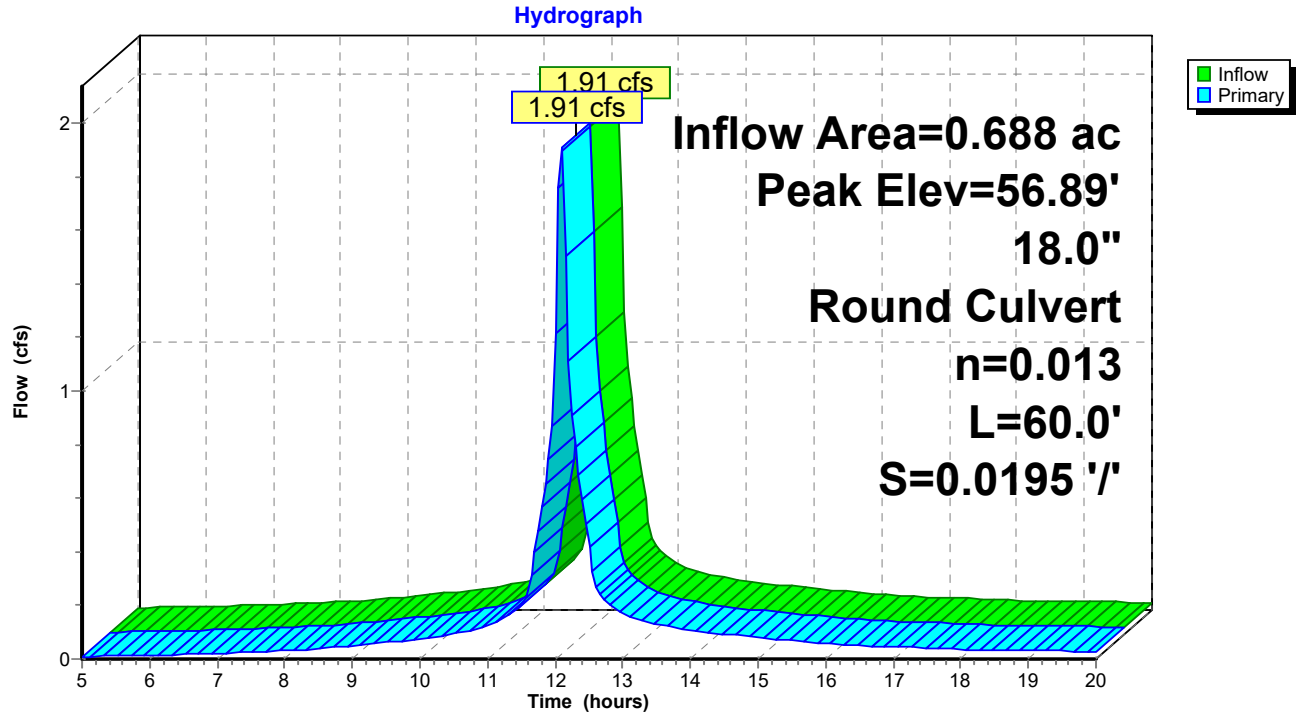
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 2.42" for 2-Year event
Inflow = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af
Outflow = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af, Atten= 0%, Lag= 0.0 min
Primary = 1.91 cfs @ 12.09 hrs, Volume= 0.139 af
Routed to Pond 82P : Constructed Wetland 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.89' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.17'	**18.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.17' / 55.00' S= 0.0195 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.86 cfs @ 12.09 hrs HW=56.88' (Free Discharge)
1=Culvert (Inlet Controls 1.86 cfs @ 2.26 fps)

Pond 81P: DMH 53



Stage-Area-Storage for Pond 81P: DMH 53

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.17	**0.000**	56.70	0.000	57.23	0.000
56.18	0.000	56.71	0.000	57.24	0.000
56.19	0.000	56.72	0.000	57.25	0.000
56.20	0.000	56.73	0.000	57.26	0.000
56.21	0.000	56.74	0.000	57.27	0.000
56.22	0.000	56.75	0.000	57.28	0.000
56.23	0.000	56.76	0.000	57.29	0.000
56.24	0.000	56.77	0.000	57.30	0.000
56.25	0.000	56.78	0.000	57.31	0.000
56.26	0.000	56.79	0.000	57.32	0.000
56.27	0.000	56.80	0.000	57.33	0.000
56.28	0.000	56.81	0.000	57.34	0.000
56.29	0.000	56.82	0.000	57.35	0.000
56.30	0.000	56.83	0.000	57.36	0.000
56.31	0.000	56.84	0.000	57.37	0.000
56.32	0.000	56.85	0.000	57.38	0.000
56.33	0.000	56.86	0.000	57.39	0.000
56.34	0.000	56.87	0.000	57.40	0.000
56.35	0.000	56.88	0.000	57.41	0.000
56.36	0.000	56.89	0.000	57.42	0.000
56.37	0.000	56.90	0.000	57.43	0.000
56.38	0.000	56.91	0.000	57.44	0.000
56.39	0.000	56.92	0.000	57.45	0.000
56.40	0.000	56.93	0.000	57.46	0.000
56.41	0.000	56.94	0.000	57.47	0.000
56.42	0.000	56.95	0.000	57.48	0.000
56.43	0.000	56.96	0.000	57.49	0.000
56.44	0.000	56.97	0.000	57.50	0.000
56.45	0.000	56.98	0.000	57.51	0.000
56.46	0.000	56.99	0.000	57.52	0.000
56.47	0.000	57.00	0.000	57.53	0.000
56.48	0.000	57.01	0.000	57.54	0.000
56.49	0.000	57.02	0.000	57.55	0.000
56.50	0.000	57.03	0.000	57.56	0.000
56.51	0.000	57.04	0.000	57.57	0.000
56.52	0.000	57.05	0.000	57.58	0.000
56.53	0.000	57.06	0.000	57.59	0.000
56.54	0.000	57.07	0.000	57.60	0.000
56.55	0.000	57.08	0.000	57.61	0.000
56.56	0.000	57.09	0.000	57.62	0.000
56.57	0.000	57.10	0.000	57.63	0.000
56.58	0.000	57.11	0.000	57.64	0.000
56.59	0.000	57.12	0.000	57.65	0.000
56.60	0.000	57.13	0.000	57.66	0.000
56.61	0.000	57.14	0.000	57.67	0.000
56.62	0.000	57.15	0.000		
56.63	0.000	57.16	0.000		
56.64	0.000	57.17	0.000		
56.65	0.000	57.18	0.000		
56.66	0.000	57.19	0.000		
56.67	0.000	57.20	0.000		
56.68	0.000	57.21	0.000		
56.69	0.000	57.22	0.000		

Summary for Pond 82P: Constructed Wetland 2

Inflow Area = 1.006 ac, 75.98% Impervious, Inflow Depth > 2.04" for 2-Year event
Inflow = 2.37 cfs @ 12.09 hrs, Volume= 0.171 af
Outflow = 0.65 cfs @ 12.45 hrs, Volume= 0.109 af, Atten= 72%, Lag= 21.7 min
Primary = 0.65 cfs @ 12.45 hrs, Volume= 0.109 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.51' @ 12.45 hrs Surf.Area= 3,014 sf Storage= 3,756 cf

Plug-Flow detention time= 154.8 min calculated for 0.108 af (64% of inflow)
Center-of-Mass det. time= 80.8 min (843.9 - 763.1)

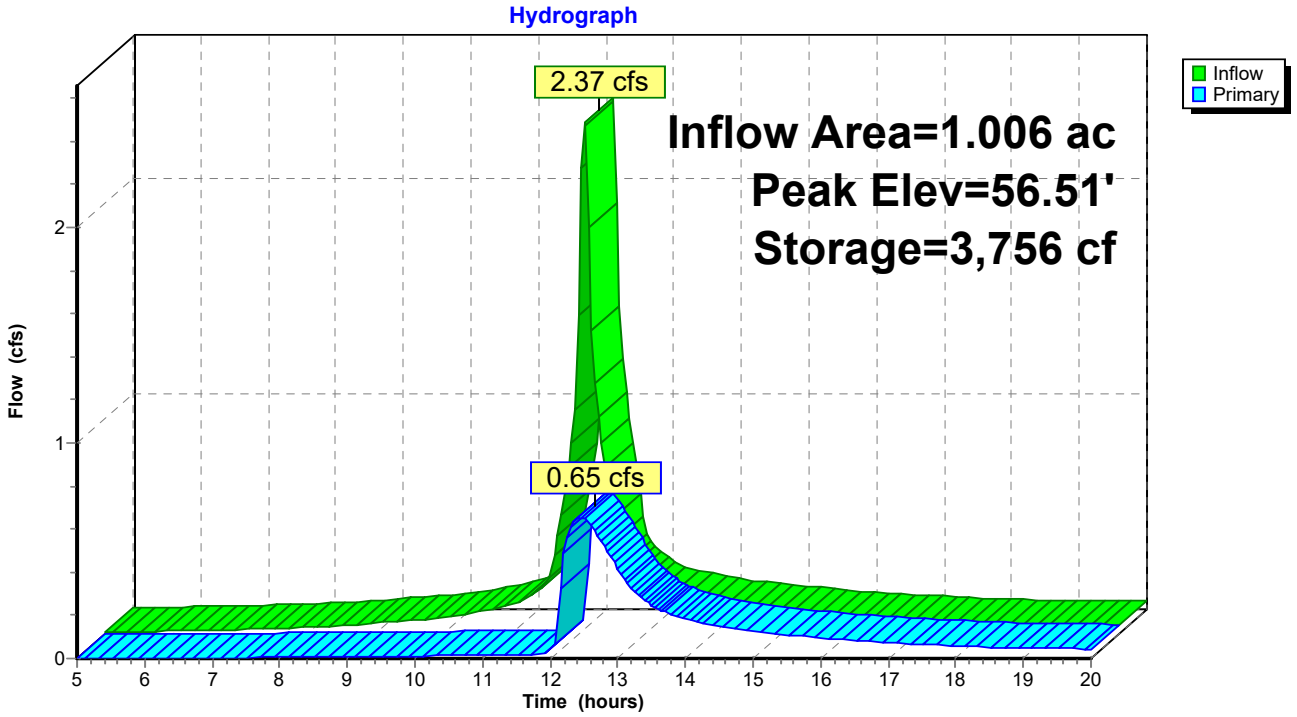
Volume	Invert	Avail.Storage	Storage Description
#1	55.00'	13,641 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
55.00	1,981	0	0
56.00	2,646	2,314	2,314
57.00	3,368	3,007	5,321
58.00	4,146	3,757	9,078
59.00	4,980	4,563	13,641

Device	Routing	Invert	Outlet Devices
#1	Primary	55.00'	**12.0" Round Culvert** L= 52.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.00' / 54.00' S= 0.0192 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	55.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.10'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.65 cfs @ 12.45 hrs HW=56.51' (Free Discharge)
└**1=Culvert** (Passes 0.65 cfs of 3.00 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.03 cfs @ 5.83 fps)
  └**3=Orifice/Grate** (Orifice Controls 0.62 cfs @ 2.37 fps)

Pond 82P: Constructed Wetland 2



Stage-Area-Storage for Pond 82P: Constructed Wetland 2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
55.00	1,981	0
55.05	2,014	100
55.10	2,048	201
55.15	2,081	305
55.20	2,114	410
55.25	2,147	516
55.30	2,180	624
55.35	2,214	734
55.40	2,247	846
55.45	2,280	959
55.50	2,314	1,074
55.55	2,347	1,190
55.60	2,380	1,308
55.65	2,413	1,428
55.70	2,447	1,550
55.75	2,480	1,673
55.80	2,513	1,798
55.85	2,546	1,924
55.90	2,579	2,052
55.95	2,613	2,182
56.00	2,646	2,314
56.05	2,682	2,447
56.10	2,718	2,582
56.15	2,754	2,719
56.20	2,790	2,857
56.25	2,827	2,998
56.30	2,863	3,140
56.35	2,899	3,284
56.40	2,935	3,430
56.45	2,971	3,577
56.50	3,007	3,727
56.55	3,043	3,878
56.60	3,079	4,031
56.65	3,115	4,186
56.70	3,151	4,343
56.75	3,188	4,501
56.80	3,224	4,661
56.85	3,260	4,823
56.90	3,296	4,987
56.95	3,332	5,153
57.00	3,368	5,321
57.05	3,407	5,490
57.10	3,446	5,661
57.15	3,485	5,834
57.20	3,524	6,010
57.25	3,563	6,187
57.30	3,601	6,366
57.35	3,640	6,547
57.40	3,679	6,730
57.45	3,718	6,915
57.50	3,757	7,102
57.55	3,796	7,291
57.60	3,835	7,481
57.65	3,874	7,674
57.70	3,913	7,869
57.75	3,952	8,065
57.80	3,990	8,264
57.85	4,029	8,464
57.90	4,068	8,667
57.95	4,107	8,871
58.00	4,146	9,078
58.05	4,188	9,286
58.10	4,229	9,496
58.15	4,271	9,709
58.20	4,313	9,923
58.25	4,355	10,140
58.30	4,396	10,359
58.35	4,438	10,580
58.40	4,480	10,803
58.45	4,521	11,028
58.50	4,563	11,255
58.55	4,605	11,484
58.60	4,646	11,715
58.65	4,688	11,949
58.70	4,730	12,184
58.75	4,772	12,422
58.80	4,813	12,661
58.85	4,855	12,903
58.90	4,897	13,147
58.95	4,938	13,393
59.00	**4,980**	**13,641**

Summary for Pond 83P: CB 86

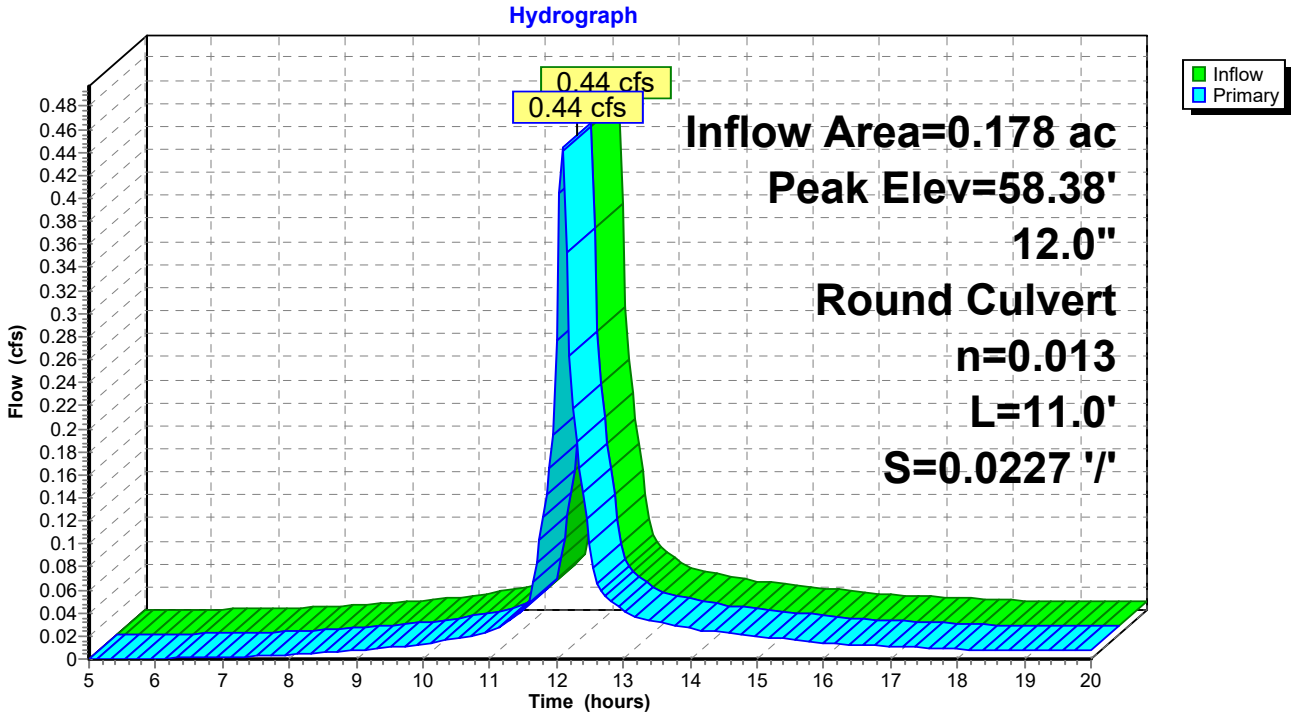
Inflow Area = 0.178 ac, 72.79% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af
Routed to Pond 85P : DMH 65

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.38' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.00' / 57.75' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=58.37' (Free Discharge)
1=Culvert (Inlet Controls 0.43 cfs @ 1.64 fps)

Pond 83P: CB 86



Stage-Area-Storage for Pond 83P: CB 86

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.00	**0.000**	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000	58.66	0.000
58.14	0.000	58.67	0.000
58.15	0.000	58.68	0.000
58.16	0.000	58.69	0.000
58.17	0.000	58.70	0.000
58.18	0.000	58.71	0.000
58.19	0.000	58.72	0.000
58.20	0.000	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000		
58.49	0.000		
58.50	0.000		
58.51	0.000		
58.52	0.000		

Summary for Pond 84P: CB 87

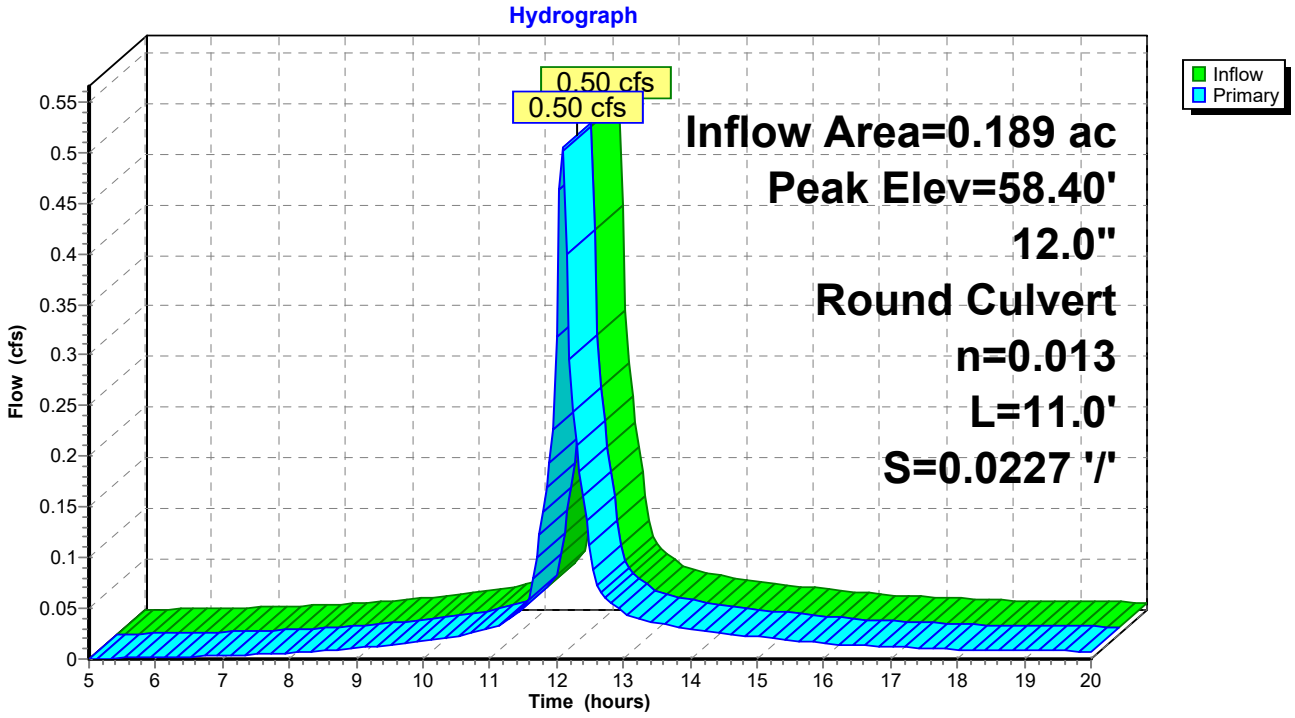
Inflow Area = 0.189 ac, 78.29% Impervious, Inflow Depth > 2.26" for 2-Year event
Inflow = 0.50 cfs @ 12.09 hrs, Volume= 0.036 af
Outflow = 0.50 cfs @ 12.09 hrs, Volume= 0.036 af, Atten= 0%, Lag= 0.0 min
Primary = 0.50 cfs @ 12.09 hrs, Volume= 0.036 af
Routed to Pond 85P : DMH 65

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.40' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.00' / 57.75' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.09 hrs HW=58.40' (Free Discharge)
1=Culvert (Inlet Controls 0.49 cfs @ 1.69 fps)

Pond 84P: CB 87



Stage-Area-Storage for Pond 84P: CB 87

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.00	**0.000**	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000	58.66	0.000
58.14	0.000	58.67	0.000
58.15	0.000	58.68	0.000
58.16	0.000	58.69	0.000
58.17	0.000	58.70	0.000
58.18	0.000	58.71	0.000
58.19	0.000	58.72	0.000
58.20	0.000	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000		
58.49	0.000		
58.50	0.000		
58.51	0.000		
58.52	0.000		

Summary for Pond 85P: DMH 65

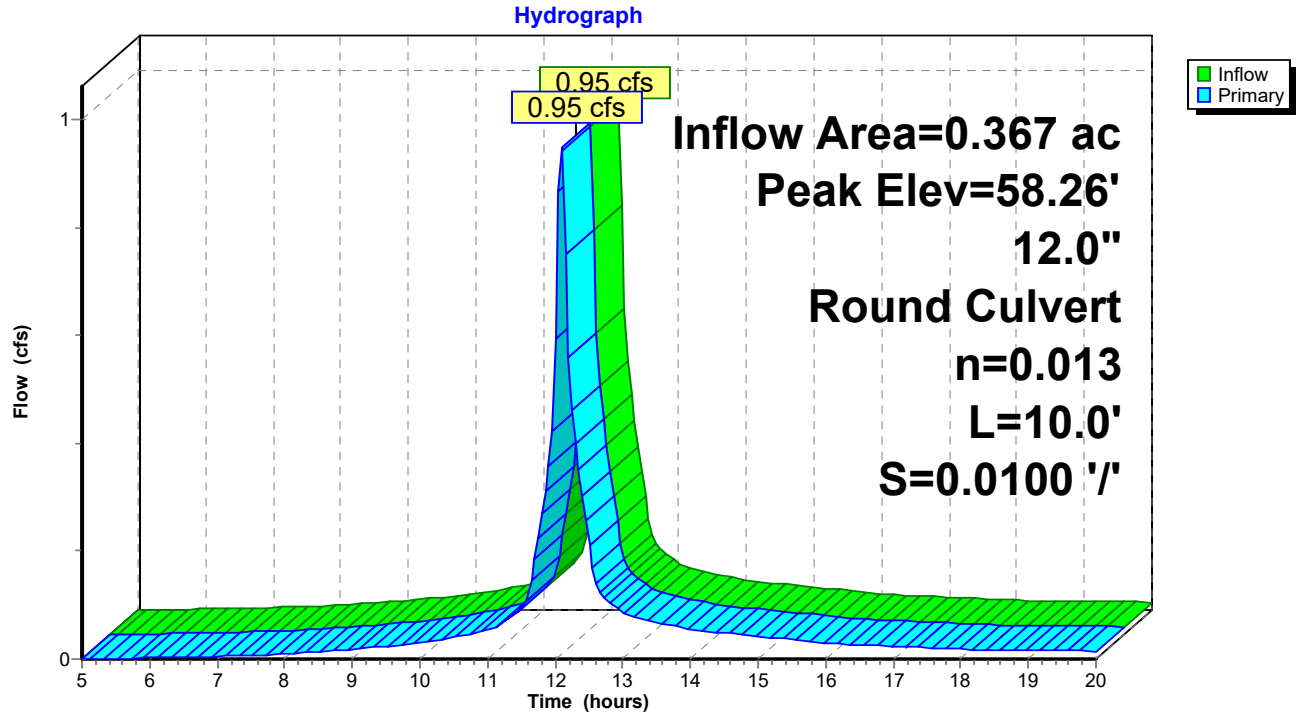
Inflow Area = 0.367 ac, 75.63% Impervious, Inflow Depth > 2.18" for 2-Year event
Inflow = 0.95 cfs @ 12.09 hrs, Volume= 0.067 af
Outflow = 0.95 cfs @ 12.09 hrs, Volume= 0.067 af, Atten= 0%, Lag= 0.0 min
Primary = 0.95 cfs @ 12.09 hrs, Volume= 0.067 af
Routed to Pond 97P : Sub. Det. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.26' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.65'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.65' / 57.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.93 cfs @ 12.09 hrs HW=58.25' (Free Discharge)
1=Culvert (Barrel Controls 0.93 cfs @ 2.68 fps)

Pond 85P: DMH 65



Stage-Area-Storage for Pond 85P: DMH 65

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.65	**0.000**	58.18	0.000
57.66	0.000	58.19	0.000
57.67	0.000	58.20	0.000
57.68	0.000	58.21	0.000
57.69	0.000	58.22	0.000
57.70	0.000	58.23	0.000
57.71	0.000	58.24	0.000
57.72	0.000	58.25	0.000
57.73	0.000	58.26	0.000
57.74	0.000	58.27	0.000
57.75	0.000	58.28	0.000
57.76	0.000	58.29	0.000
57.77	0.000	58.30	0.000
57.78	0.000	58.31	0.000
57.79	0.000	58.32	0.000
57.80	0.000	58.33	0.000
57.81	0.000	58.34	0.000
57.82	0.000	58.35	0.000
57.83	0.000	58.36	0.000
57.84	0.000	58.37	0.000
57.85	0.000	58.38	0.000
57.86	0.000	58.39	0.000
57.87	0.000	58.40	0.000
57.88	0.000	58.41	0.000
57.89	0.000	58.42	0.000
57.90	0.000	58.43	0.000
57.91	0.000	58.44	0.000
57.92	0.000	58.45	0.000
57.93	0.000	58.46	0.000
57.94	0.000	58.47	0.000
57.95	0.000	58.48	0.000
57.96	0.000	58.49	0.000
57.97	0.000	58.50	0.000
57.98	0.000	58.51	0.000
57.99	0.000	58.52	0.000
58.00	0.000	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000		
58.14	0.000		
58.15	0.000		
58.16	0.000		
58.17	0.000		

Summary for Pond 86P: Sub. Inf. 6

Inflow Area = 0.589 ac, 36.87% Impervious, Inflow Depth > 1.46" for 2-Year event
Inflow = 1.06 cfs @ 12.09 hrs, Volume= 0.071 af
Outflow = 0.07 cfs @ 14.07 hrs, Volume= 0.048 af, Atten= 93%, Lag= 118.8 min
Discarded = 0.07 cfs @ 14.07 hrs, Volume= 0.047 af
Primary = 0.00 cfs @ 14.07 hrs, Volume= 0.000 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.52' @ 14.07 hrs Surf.Area= 0.037 ac Storage= 0.037 af

Plug-Flow detention time= 197.5 min calculated for 0.048 af (67% of inflow)
Center-of-Mass det. time= 126.7 min (923.3 - 796.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	61.00'	0.034 af	**30.00'W x 53.46'L x 3.50'H Field A** 0.129 af Overall - 0.045 af Embedded = 0.084 af x 40.0% Voids
#2A	61.50'	0.045 af	**ADS_StormTech SC-740 b +Cap** x 42 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 42 Chambers in 6 Rows Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf
		0.079 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	61.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 59.00'
#2	Primary	61.00'	**12.0" Round Culvert** L= 105.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 57.00' S= 0.0381 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	62.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	63.50'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.07 cfs @ 14.07 hrs HW=62.52' (Free Discharge)
↑└**1=Exfiltration** (Controls 0.07 cfs)

Primary OutFlow Max=0.00 cfs @ 14.07 hrs HW=62.52' (Free Discharge)
↑└**2=Culvert** (Passes 0.00 cfs of 3.01 cfs potential flow)
  ↑└**3=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.46 fps)
  └**4=Sharp-Crested Vee/Trap Weir** (Controls 0.00 cfs)

Pond 86P: Sub. Inf. 6 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

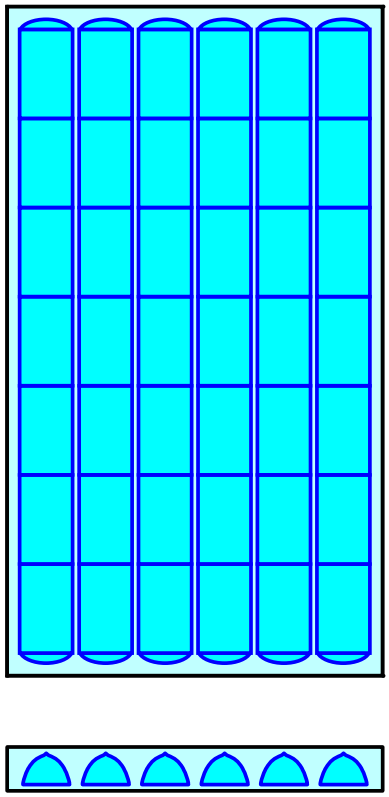
7 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 51.46' Row Length +12.0" End Stone x 2 = 53.46' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

42 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 1,961.3 cf Chamber Storage

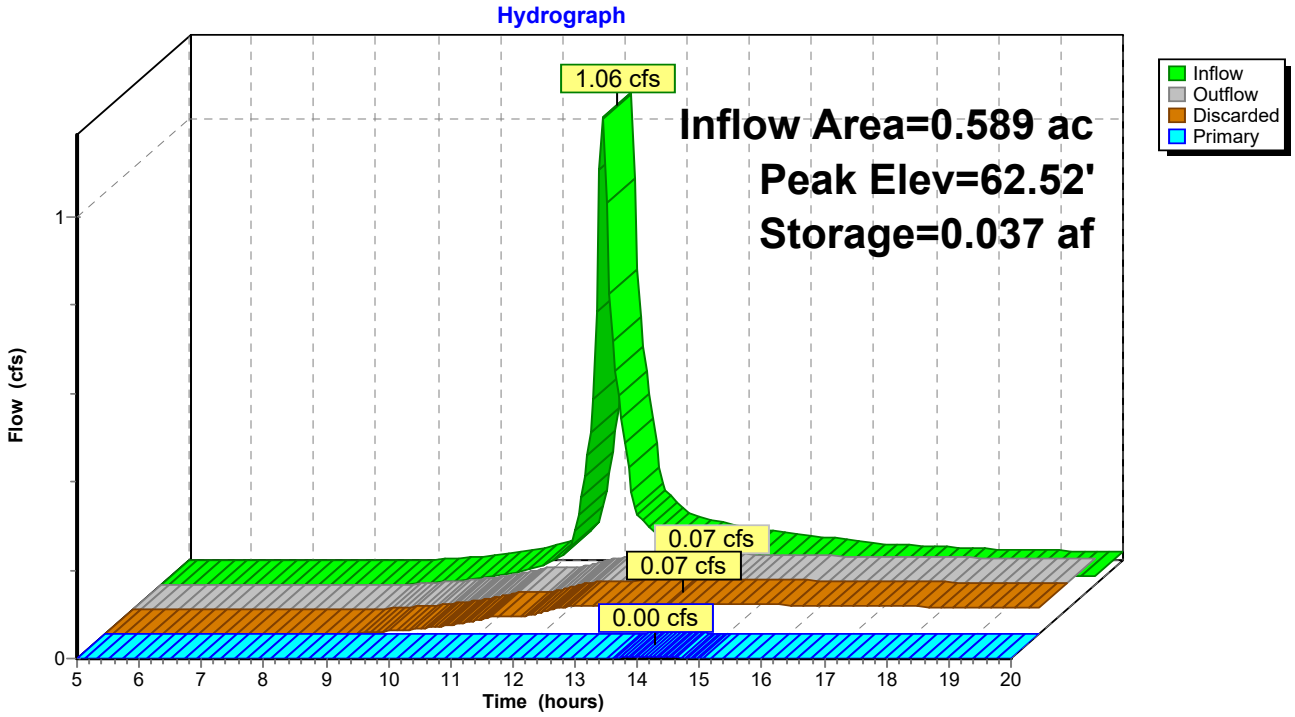
5,613.0 cf Field - 1,961.3 cf Chambers = 3,651.6 cf Stone x 40.0% Voids = 1,460.6 cf Stone Storage

Chamber Storage + Stone Storage = 3,422.0 cf = 0.079 af
Overall Storage Efficiency = 61.0%
Overall System Size = 53.46' x 30.00' x 3.50'

42 Chambers
207.9 cy Field
135.2 cy Stone



Pond 86P: Sub. Inf. 6



Stage-Area-Storage for Pond 86P: Sub. Inf. 6

Elevation (feet)	Surface (acres)	Storage (acre-feet)
61.00	**0.037**	0.000
61.05	0.037	0.001
61.10	0.037	0.001
61.15	0.037	0.002
61.20	0.037	0.003
61.25	0.037	0.004
61.30	0.037	0.004
61.35	0.037	0.005
61.40	0.037	0.006
61.45	0.037	0.007
61.50	0.037	0.007
61.55	0.037	0.009
61.60	0.037	0.010
61.65	0.037	0.012
61.70	0.037	0.013
61.75	0.037	0.015
61.80	0.037	0.016
61.85	0.037	0.018
61.90	0.037	0.019
61.95	0.037	0.021
62.00	0.037	0.022
62.05	0.037	0.024
62.10	0.037	0.025
62.15	0.037	0.027
62.20	0.037	0.028
62.25	0.037	0.030
62.30	0.037	0.031
62.35	0.037	0.032
62.40	0.037	0.034
62.45	0.037	0.035
62.50	0.037	0.037
62.55	0.037	0.038
62.60	0.037	0.040
62.65	0.037	0.041
62.70	0.037	0.042
62.75	0.037	0.044
62.80	0.037	0.045
62.85	0.037	0.046
62.90	0.037	0.048
62.95	0.037	0.049
63.00	0.037	0.050
63.05	0.037	0.051
63.10	0.037	0.053
63.15	0.037	0.054
63.20	0.037	0.055
63.25	0.037	0.056
63.30	0.037	0.058
63.35	0.037	0.059
63.40	0.037	0.060
63.45	0.037	0.061
63.50	0.037	0.062
63.55	0.037	0.063
63.60	0.037	0.064
63.65	0.037	0.065
63.70	0.037	0.066
63.75	0.037	0.067
63.80	0.037	0.068
63.85	0.037	0.069
63.90	0.037	0.070
63.95	0.037	0.070
64.00	0.037	0.071
64.05	0.037	0.072
64.10	0.037	0.073
64.15	0.037	0.073
64.20	0.037	0.074
64.25	0.037	0.075
64.30	0.037	0.076
64.35	0.037	0.076
64.40	0.037	0.077
64.45	0.037	0.078
64.50	0.037	**0.079**

Summary for Pond 87P: CB 85

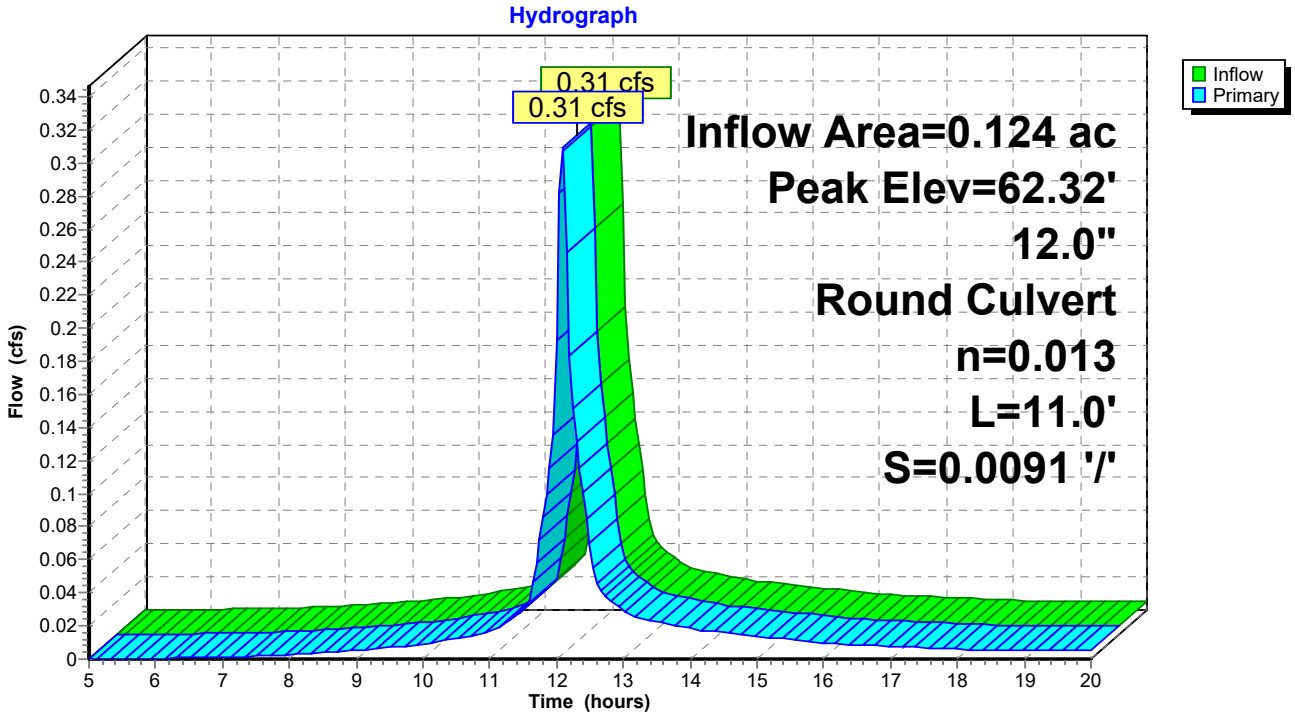
Inflow Area = 0.124 ac, 69.69% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.31 cfs @ 12.09 hrs, Volume= 0.021 af
Outflow = 0.31 cfs @ 12.09 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.09 hrs, Volume= 0.021 af
Routed to Pond 92P : DMH 63

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.32' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.30 cfs @ 12.09 hrs HW=62.32' (Free Discharge)
1=Culvert (Barrel Controls 0.30 cfs @ 2.09 fps)

Pond 87P: CB 85



Stage-Area-Storage for Pond 87P: CB 85

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000		
62.49	0.000		
62.50	0.000		
62.51	0.000		
62.52	0.000		

Summary for Pond 88P: CB 84

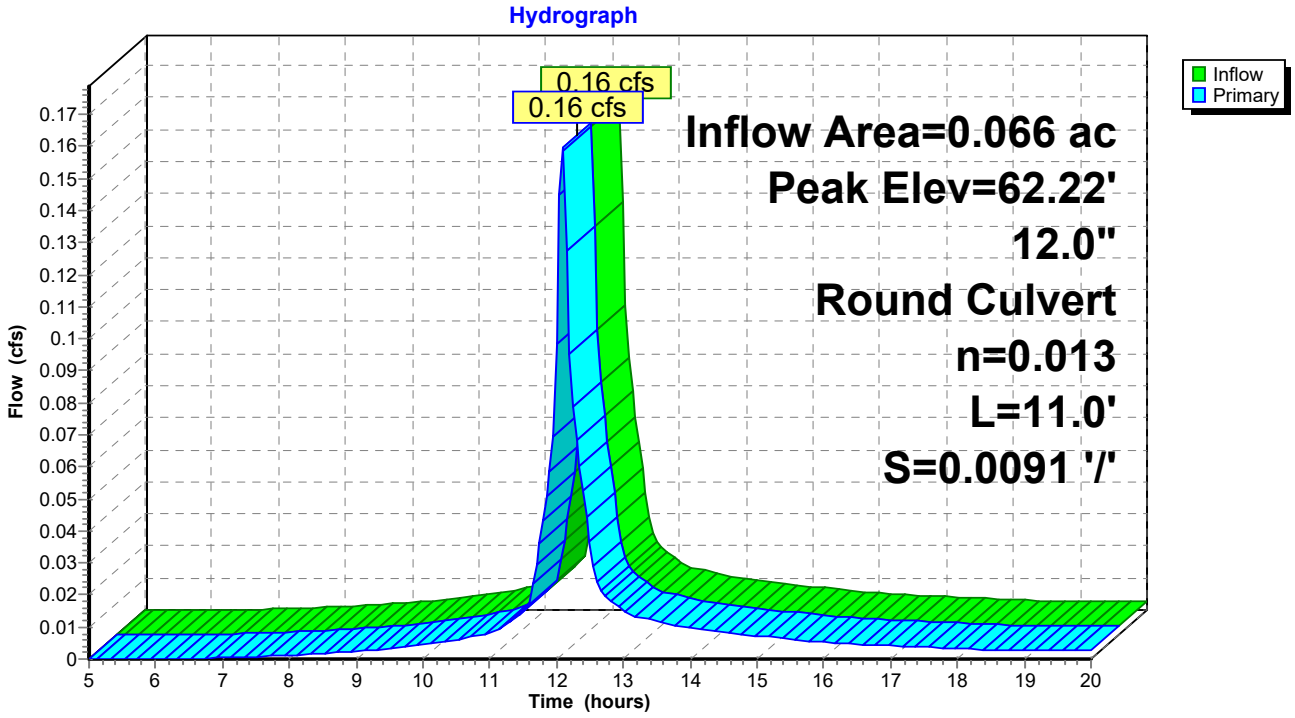
Inflow Area = 0.066 ac, 66.55% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 0.16 cfs @ 12.09 hrs, Volume= 0.011 af
Outflow = 0.16 cfs @ 12.09 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Primary = 0.16 cfs @ 12.09 hrs, Volume= 0.011 af
Routed to Pond 92P : DMH 63

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.22' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.16 cfs @ 12.09 hrs HW=62.22' (Free Discharge)
1=Culvert (Barrel Controls 0.16 cfs @ 1.82 fps)

Pond 88P: CB 84



Stage-Area-Storage for Pond 88P: CB 84

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000		
62.49	0.000		
62.50	0.000		
62.51	0.000		
62.52	0.000		

Summary for Pond 89P: CB 74

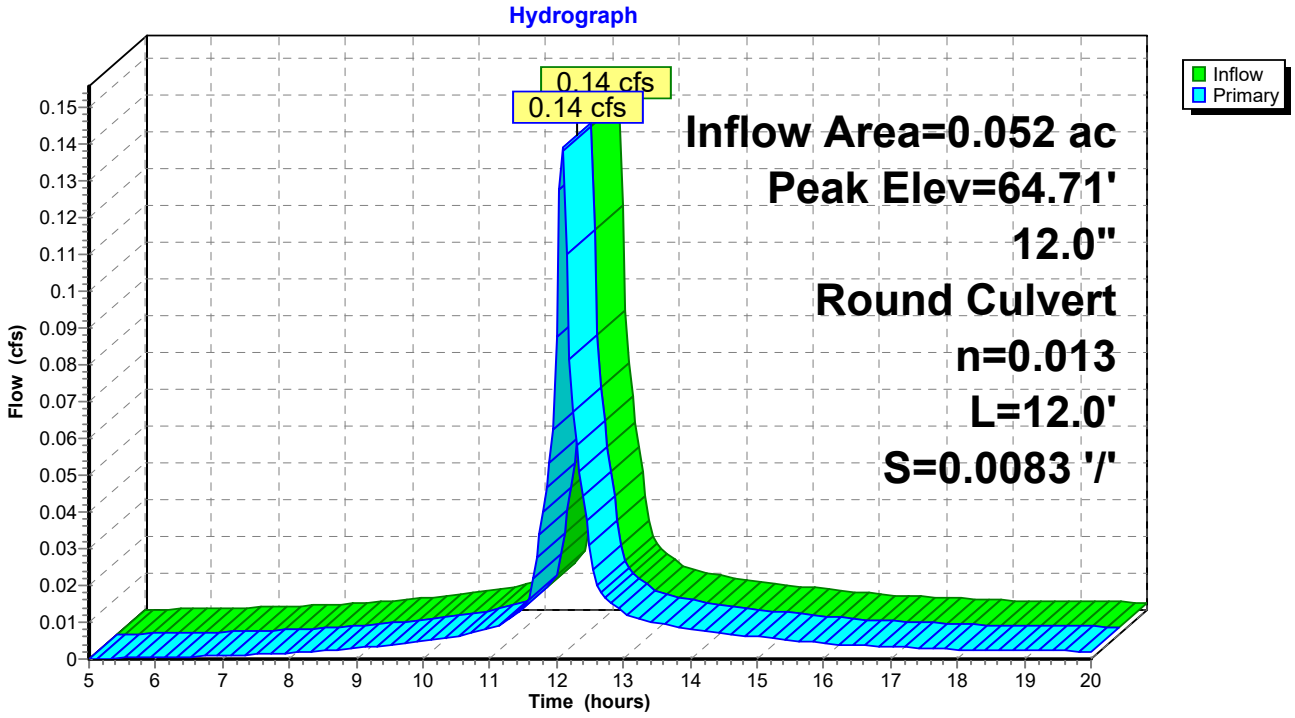
Inflow Area = 0.052 ac, 80.20% Impervious, Inflow Depth > 2.26" for 2-Year event
Inflow = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af
Outflow = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min
Primary = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af
Routed to Pond 91P : DMH 55

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.71' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.50'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.50' / 64.40' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.14 cfs @ 12.09 hrs HW=64.71' (Free Discharge)
1=Culvert (Barrel Controls 0.14 cfs @ 1.74 fps)

Pond 89P: CB 74



Stage-Area-Storage for Pond 89P: CB 74

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.50	**0.000**	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000	65.31	0.000
64.79	0.000	65.32	0.000
64.80	0.000	65.33	0.000
64.81	0.000	65.34	0.000
64.82	0.000	65.35	0.000
64.83	0.000	65.36	0.000
64.84	0.000	65.37	0.000
64.85	0.000	65.38	0.000
64.86	0.000	65.39	0.000
64.87	0.000	65.40	0.000
64.88	0.000	65.41	0.000
64.89	0.000	65.42	0.000
64.90	0.000	65.43	0.000
64.91	0.000	65.44	0.000
64.92	0.000	65.45	0.000
64.93	0.000	65.46	0.000
64.94	0.000	65.47	0.000
64.95	0.000	65.48	0.000
64.96	0.000	65.49	0.000
64.97	0.000	65.50	0.000
64.98	0.000		
64.99	0.000		
65.00	0.000		
65.01	0.000		
65.02	0.000		

Summary for Pond 90P: CB 75

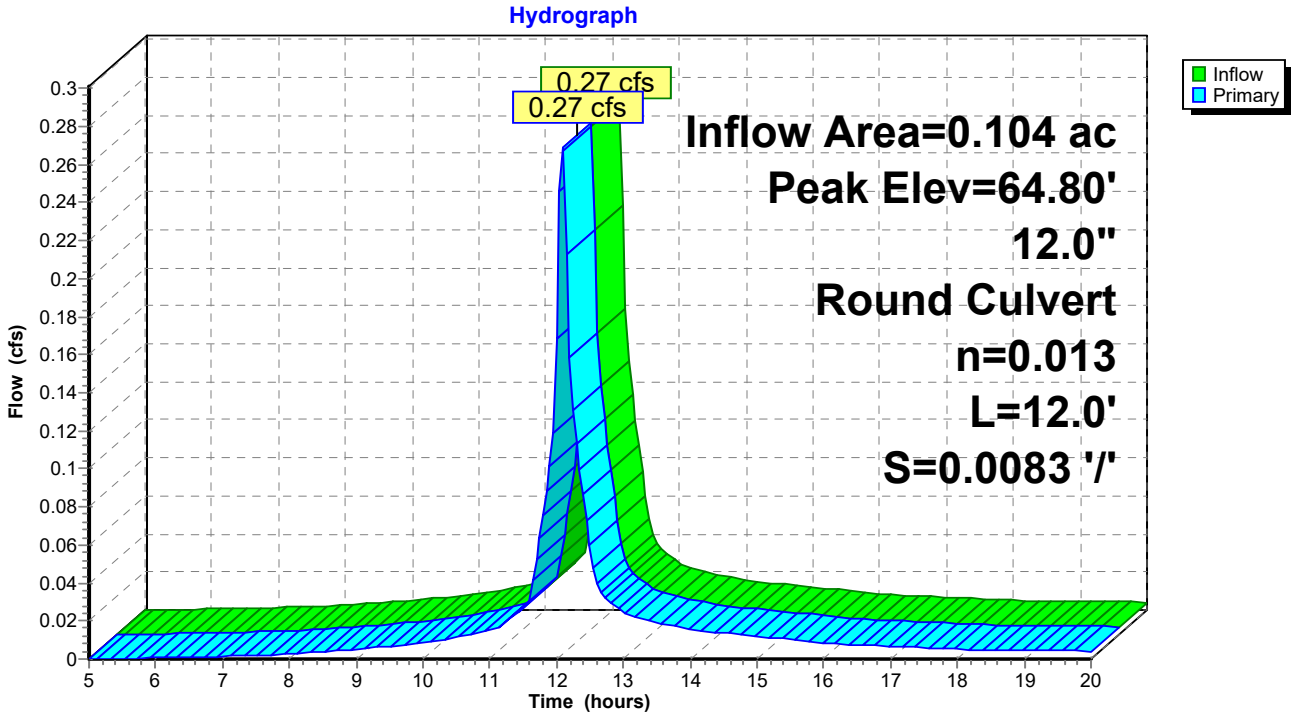
Inflow Area = 0.104 ac, 76.91% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af
Outflow = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af
Routed to Pond 91P : DMH 55

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.80' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.50'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.50' / 64.40' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=64.80' (Free Discharge)
1=Culvert (Barrel Controls 0.26 cfs @ 2.01 fps)

Pond 90P: CB 75



Stage-Area-Storage for Pond 90P: CB 75

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.50	**0.000**	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000	65.31	0.000
64.79	0.000	65.32	0.000
64.80	0.000	65.33	0.000
64.81	0.000	65.34	0.000
64.82	0.000	65.35	0.000
64.83	0.000	65.36	0.000
64.84	0.000	65.37	0.000
64.85	0.000	65.38	0.000
64.86	0.000	65.39	0.000
64.87	0.000	65.40	0.000
64.88	0.000	65.41	0.000
64.89	0.000	65.42	0.000
64.90	0.000	65.43	0.000
64.91	0.000	65.44	0.000
64.92	0.000	65.45	0.000
64.93	0.000	65.46	0.000
64.94	0.000	65.47	0.000
64.95	0.000	65.48	0.000
64.96	0.000	65.49	0.000
64.97	0.000	65.50	0.000
64.98	0.000		
64.99	0.000		
65.00	0.000		
65.01	0.000		
65.02	0.000		

Summary for Pond 91P: DMH 55

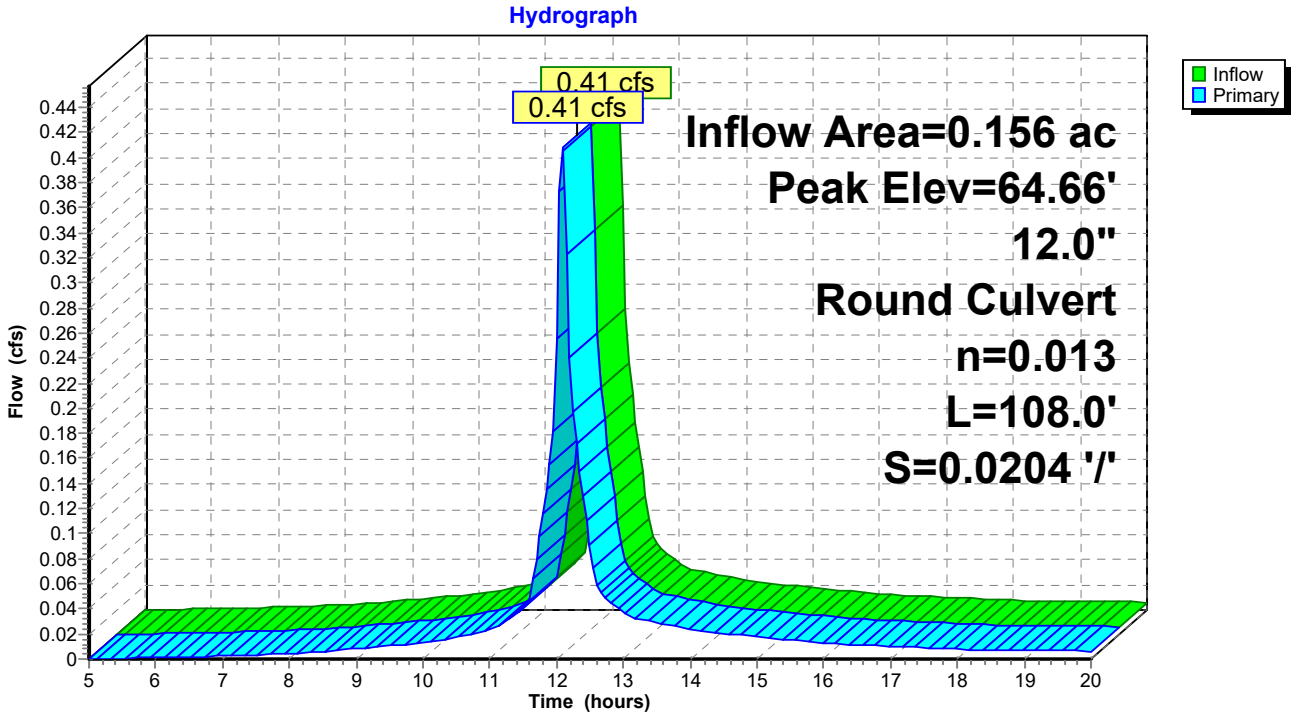
Inflow Area = 0.156 ac, 78.01% Impervious, Inflow Depth > 2.20" for 2-Year event
Inflow = 0.41 cfs @ 12.09 hrs, Volume= 0.029 af
Outflow = 0.41 cfs @ 12.09 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.41 cfs @ 12.09 hrs, Volume= 0.029 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.30'	**12.0" Round Culvert** L= 108.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.30' / 62.10' S= 0.0204 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=64.65' (Free Discharge)
1=Culvert (Inlet Controls 0.40 cfs @ 1.60 fps)

Pond 91P: DMH 55



Stage-Area-Storage for Pond 91P: DMH 55

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.30	**0.000**	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000	64.89	0.000
64.37	0.000	64.90	0.000
64.38	0.000	64.91	0.000
64.39	0.000	64.92	0.000
64.40	0.000	64.93	0.000
64.41	0.000	64.94	0.000
64.42	0.000	64.95	0.000
64.43	0.000	64.96	0.000
64.44	0.000	64.97	0.000
64.45	0.000	64.98	0.000
64.46	0.000	64.99	0.000
64.47	0.000	65.00	0.000
64.48	0.000	65.01	0.000
64.49	0.000	65.02	0.000
64.50	0.000	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000		
64.79	0.000		
64.80	0.000		
64.81	0.000		
64.82	0.000		

Summary for Pond 92P: DMH 63

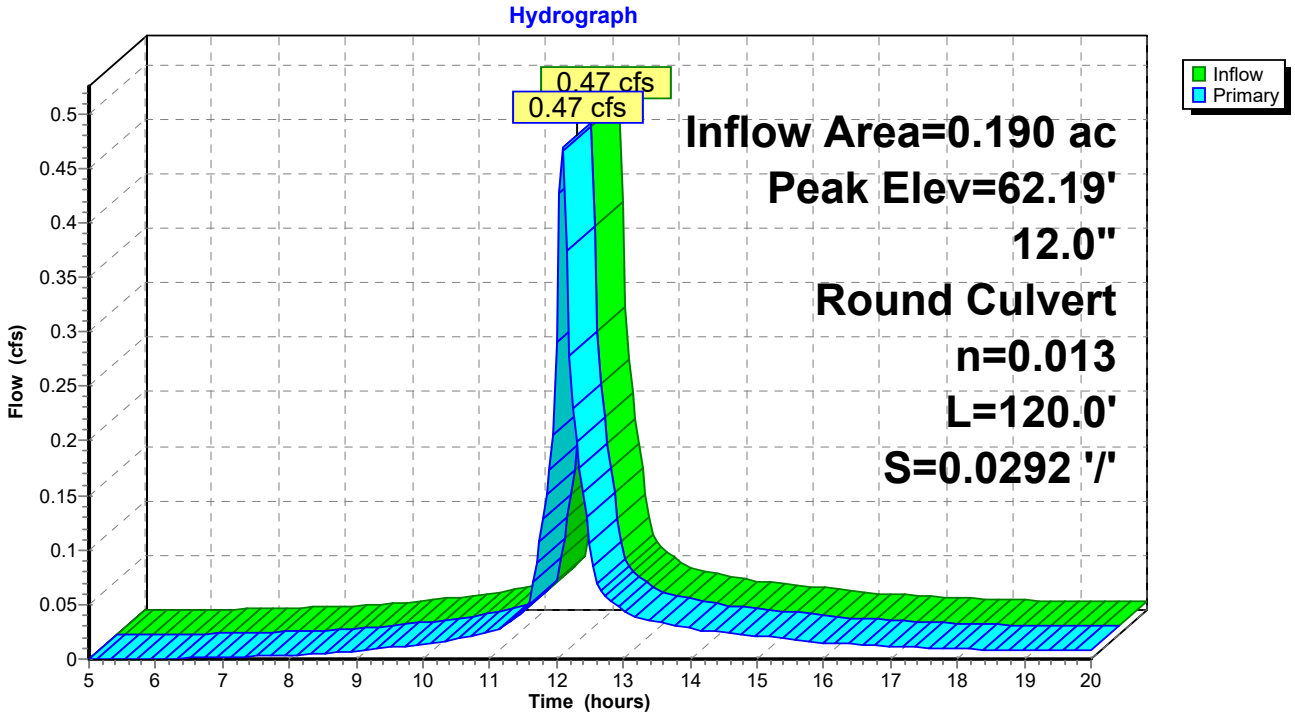
Inflow Area = 0.190 ac, 68.59% Impervious, Inflow Depth > 2.05" for 2-Year event
Inflow = 0.47 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.47 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.47 cfs @ 12.09 hrs, Volume= 0.033 af
Routed to Pond 93P : DMH 62

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.80'	**12.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.80' / 58.30' S= 0.0292 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.46 cfs @ 12.09 hrs HW=62.18' (Free Discharge)
1=Culvert (Inlet Controls 0.46 cfs @ 1.66 fps)

Pond 92P: DMH 63



Stage-Area-Storage for Pond 92P: DMH 63

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.80	**0.000**	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000	62.51	0.000
61.99	0.000	62.52	0.000
62.00	0.000	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000		
62.29	0.000		
62.30	0.000		
62.31	0.000		
62.32	0.000		

Summary for Pond 93P: DMH 62

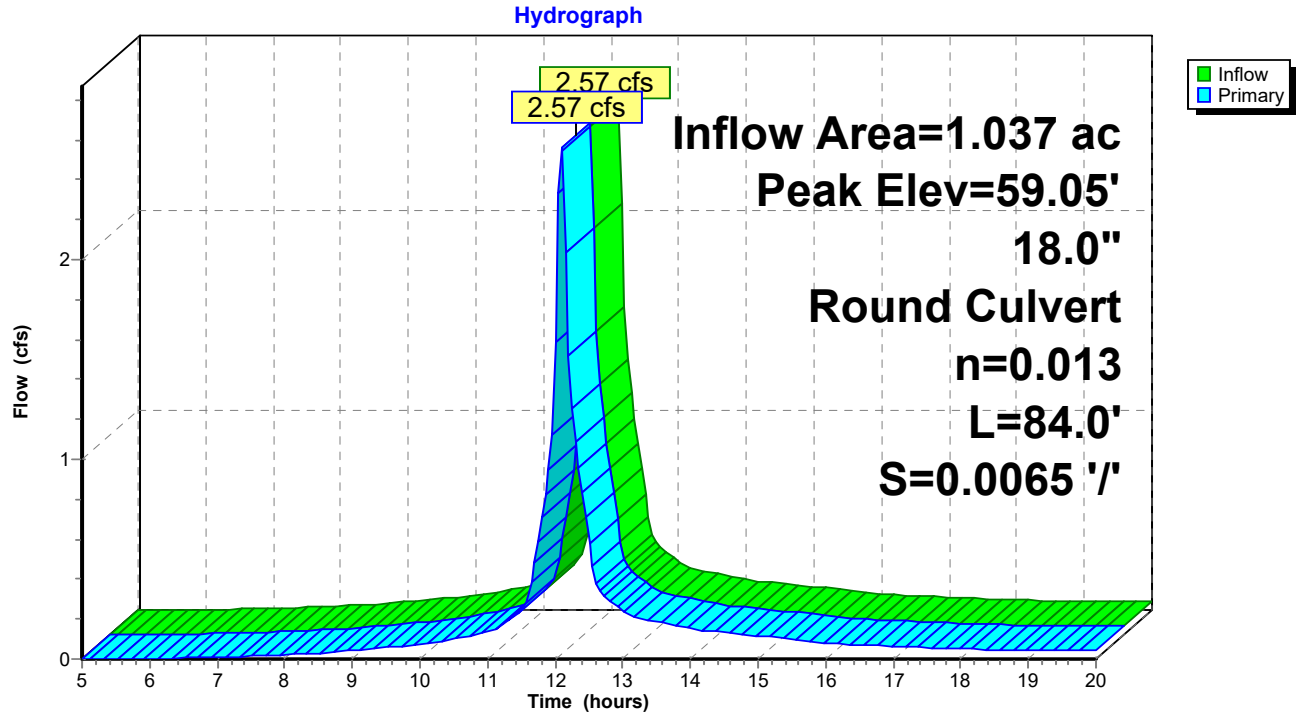
Inflow Area = 1.037 ac, 70.16% Impervious, Inflow Depth > 2.06" for 2-Year event
Inflow = 2.57 cfs @ 12.09 hrs, Volume= 0.178 af
Outflow = 2.57 cfs @ 12.09 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 2.57 cfs @ 12.09 hrs, Volume= 0.178 af
Routed to Pond 209P : DMH 64

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**18.0" Round Culvert** L= 84.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 57.65' S= 0.0065 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.51 cfs @ 12.09 hrs HW=59.04' (Free Discharge)
1=Culvert (Inlet Controls 2.51 cfs @ 2.46 fps)

Pond 93P: DMH 62



Stage-Area-Storage for Pond 93P: DMH 62

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000	59.26	0.000
58.21	0.000	58.74	0.000	59.27	0.000
58.22	0.000	58.75	0.000	59.28	0.000
58.23	0.000	58.76	0.000	59.29	0.000
58.24	0.000	58.77	0.000	59.30	0.000
58.25	0.000	58.78	0.000	59.31	0.000
58.26	0.000	58.79	0.000	59.32	0.000
58.27	0.000	58.80	0.000	59.33	0.000
58.28	0.000	58.81	0.000	59.34	0.000
58.29	0.000	58.82	0.000	59.35	0.000
58.30	0.000	58.83	0.000	59.36	0.000
58.31	0.000	58.84	0.000	59.37	0.000
58.32	0.000	58.85	0.000	59.38	0.000
58.33	0.000	58.86	0.000	59.39	0.000
58.34	0.000	58.87	0.000	59.40	0.000
58.35	0.000	58.88	0.000	59.41	0.000
58.36	0.000	58.89	0.000	59.42	0.000
58.37	0.000	58.90	0.000	59.43	0.000
58.38	0.000	58.91	0.000	59.44	0.000
58.39	0.000	58.92	0.000	59.45	0.000
58.40	0.000	58.93	0.000	59.46	0.000
58.41	0.000	58.94	0.000	59.47	0.000
58.42	0.000	58.95	0.000	59.48	0.000
58.43	0.000	58.96	0.000	59.49	0.000
58.44	0.000	58.97	0.000	59.50	0.000
58.45	0.000	58.98	0.000	59.51	0.000
58.46	0.000	58.99	0.000	59.52	0.000
58.47	0.000	59.00	0.000	59.53	0.000
58.48	0.000	59.01	0.000	59.54	0.000
58.49	0.000	59.02	0.000	59.55	0.000
58.50	0.000	59.03	0.000	59.56	0.000
58.51	0.000	59.04	0.000	59.57	0.000
58.52	0.000	59.05	0.000	59.58	0.000
58.53	0.000	59.06	0.000	59.59	0.000
58.54	0.000	59.07	0.000	59.60	0.000
58.55	0.000	59.08	0.000	59.61	0.000
58.56	0.000	59.09	0.000	59.62	0.000
58.57	0.000	59.10	0.000	59.63	0.000
58.58	0.000	59.11	0.000	59.64	0.000
58.59	0.000	59.12	0.000	59.65	0.000
58.60	0.000	59.13	0.000	59.66	0.000
58.61	0.000	59.14	0.000	59.67	0.000
58.62	0.000	59.15	0.000	59.68	0.000
58.63	0.000	59.16	0.000	59.69	0.000
58.64	0.000	59.17	0.000	59.70	0.000
58.65	0.000	59.18	0.000		
58.66	0.000	59.19	0.000		
58.67	0.000	59.20	0.000		
58.68	0.000	59.21	0.000		
58.69	0.000	59.22	0.000		
58.70	0.000	59.23	0.000		
58.71	0.000	59.24	0.000		
58.72	0.000	59.25	0.000		

Summary for Pond 94P: CB 77

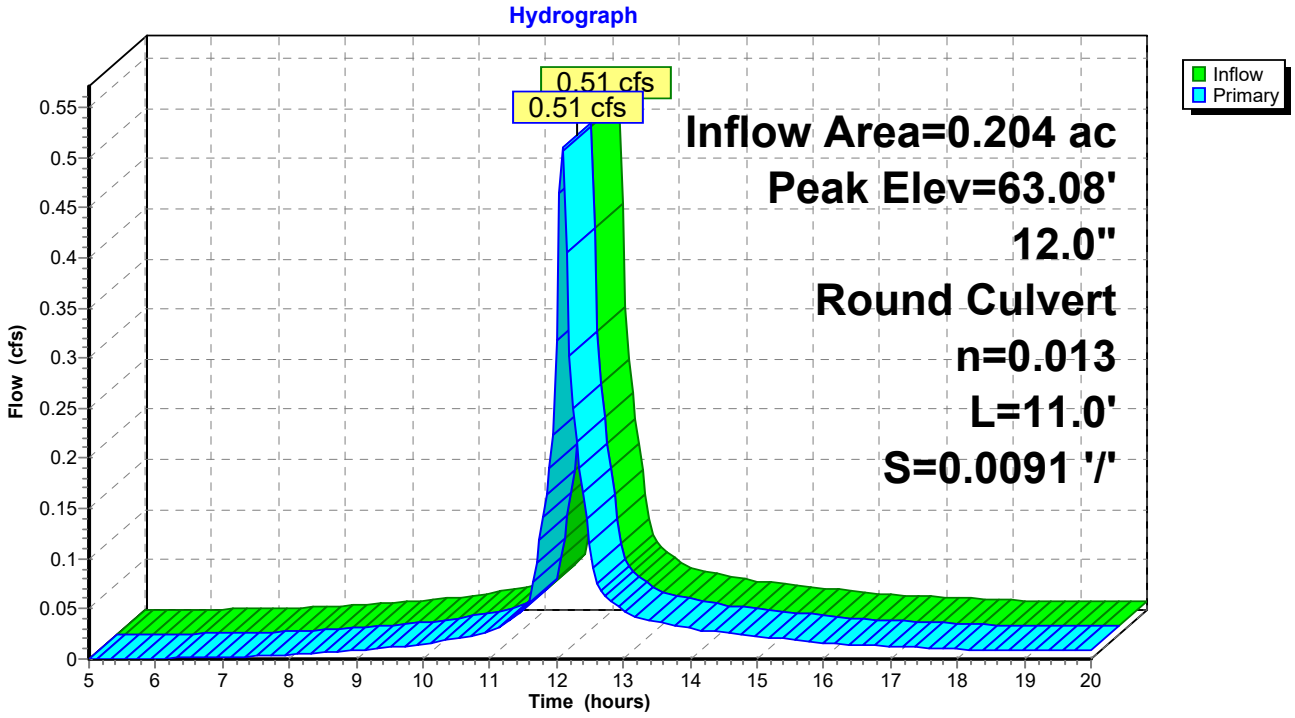
Inflow Area = 0.204 ac, 71.21% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.51 cfs @ 12.09 hrs, Volume= 0.035 af
Outflow = 0.51 cfs @ 12.09 hrs, Volume= 0.035 af, Atten= 0%, Lag= 0.0 min
Primary = 0.51 cfs @ 12.09 hrs, Volume= 0.035 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.08' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.65'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.65' / 62.55' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.50 cfs @ 12.09 hrs HW=63.07' (Free Discharge)
1=Culvert (Barrel Controls 0.50 cfs @ 2.33 fps)

Pond 94P: CB 77



Stage-Area-Storage for Pond 94P: CB 77

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.65	**0.000**	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000	63.31	0.000
62.79	0.000	63.32	0.000
62.80	0.000	63.33	0.000
62.81	0.000	63.34	0.000
62.82	0.000	63.35	0.000
62.83	0.000	63.36	0.000
62.84	0.000	63.37	0.000
62.85	0.000	63.38	0.000
62.86	0.000	63.39	0.000
62.87	0.000	63.40	0.000
62.88	0.000	63.41	0.000
62.89	0.000	63.42	0.000
62.90	0.000	63.43	0.000
62.91	0.000	63.44	0.000
62.92	0.000	63.45	0.000
62.93	0.000	63.46	0.000
62.94	0.000	63.47	0.000
62.95	0.000	63.48	0.000
62.96	0.000	63.49	0.000
62.97	0.000	63.50	0.000
62.98	0.000	63.51	0.000
62.99	0.000	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000		
63.14	0.000		
63.15	0.000		
63.16	0.000		
63.17	0.000		

Summary for Pond 95P: CB 76

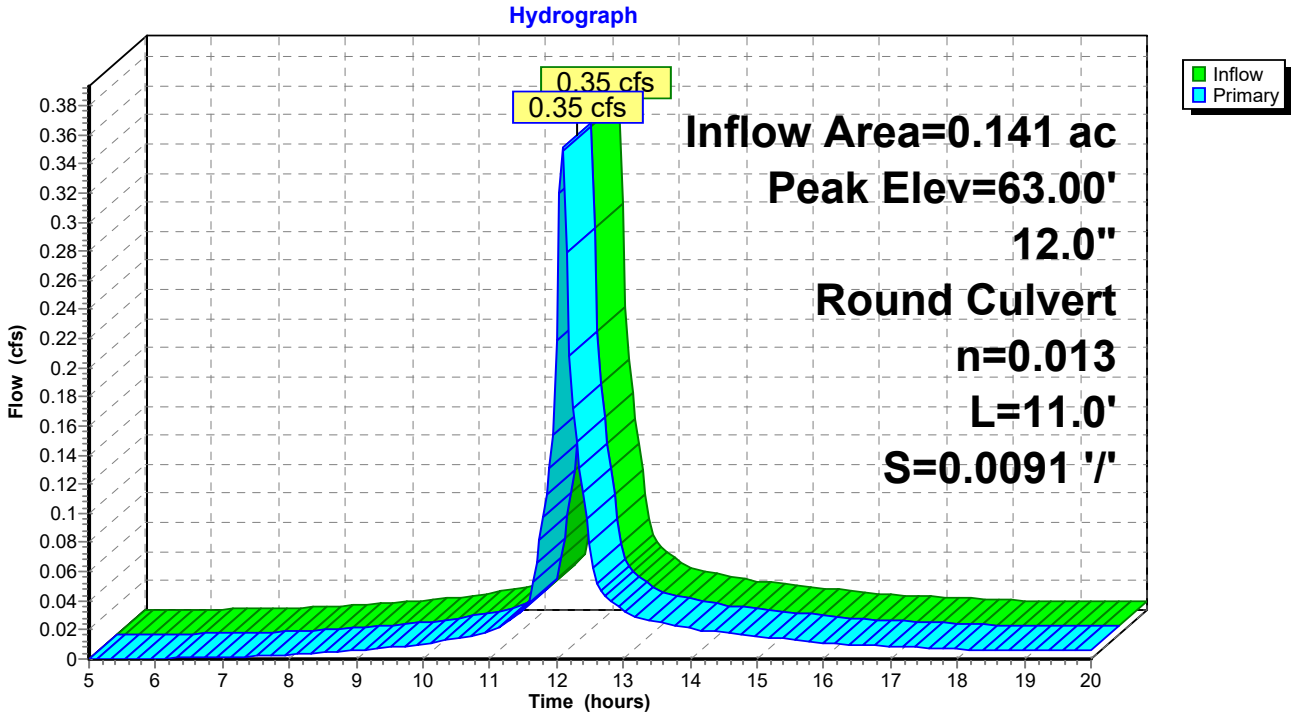
Inflow Area = 0.141 ac, 70.69% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.35 cfs @ 12.09 hrs, Volume= 0.024 af
Outflow = 0.35 cfs @ 12.09 hrs, Volume= 0.024 af, Atten= 0%, Lag= 0.0 min
Primary = 0.35 cfs @ 12.09 hrs, Volume= 0.024 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.00' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.65'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.65' / 62.55' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.34 cfs @ 12.09 hrs HW=62.99' (Free Discharge)
1=Culvert (Barrel Controls 0.34 cfs @ 2.15 fps)

Pond 95P: CB 76



Stage-Area-Storage for Pond 95P: CB 76

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.65	**0.000**	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000	63.31	0.000
62.79	0.000	63.32	0.000
62.80	0.000	63.33	0.000
62.81	0.000	63.34	0.000
62.82	0.000	63.35	0.000
62.83	0.000	63.36	0.000
62.84	0.000	63.37	0.000
62.85	0.000	63.38	0.000
62.86	0.000	63.39	0.000
62.87	0.000	63.40	0.000
62.88	0.000	63.41	0.000
62.89	0.000	63.42	0.000
62.90	0.000	63.43	0.000
62.91	0.000	63.44	0.000
62.92	0.000	63.45	0.000
62.93	0.000	63.46	0.000
62.94	0.000	63.47	0.000
62.95	0.000	63.48	0.000
62.96	0.000	63.49	0.000
62.97	0.000	63.50	0.000
62.98	0.000	63.51	0.000
62.99	0.000	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000		
63.14	0.000		
63.15	0.000		
63.16	0.000		
63.17	0.000		

Summary for Pond 96P: DMH 56

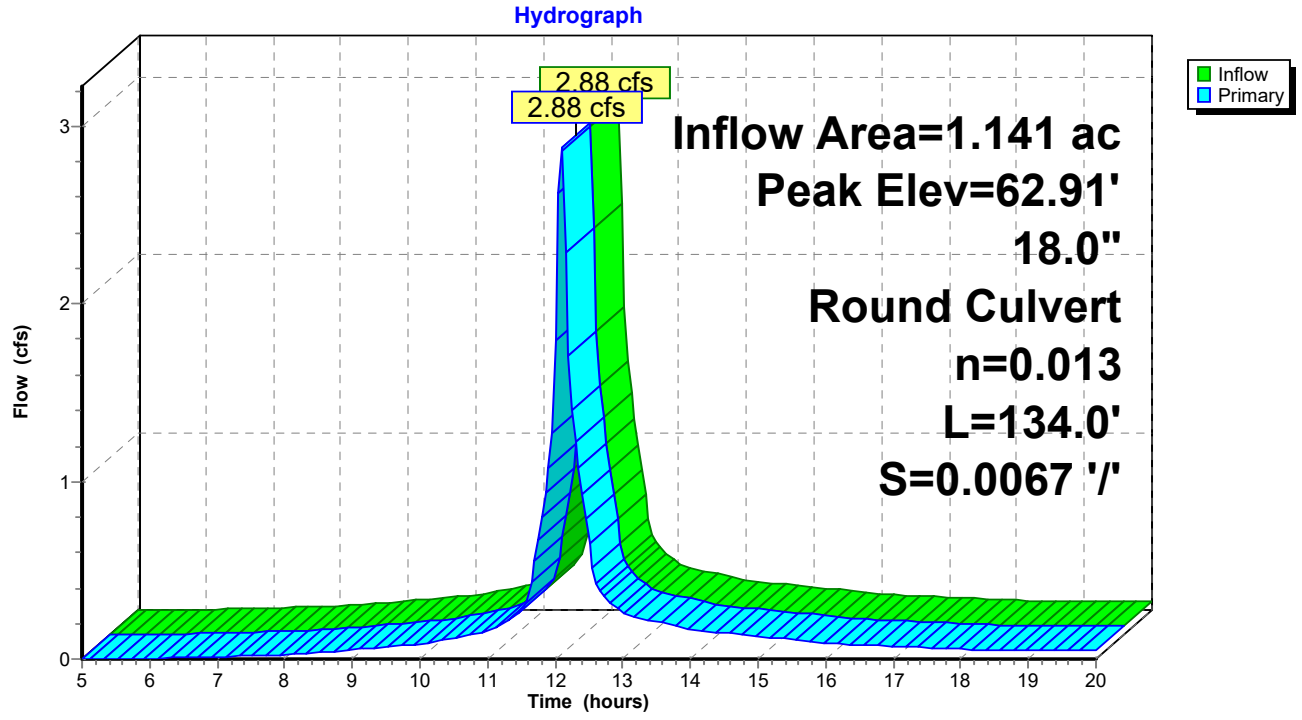
Inflow Area = 1.141 ac, 72.03% Impervious, Inflow Depth > 2.11" for 2-Year event
Inflow = 2.88 cfs @ 12.09 hrs, Volume= 0.201 af
Outflow = 2.88 cfs @ 12.09 hrs, Volume= 0.201 af, Atten= 0%, Lag= 0.0 min
Primary = 2.88 cfs @ 12.09 hrs, Volume= 0.201 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.91' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**18.0" Round Culvert** L= 134.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.10' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.81 cfs @ 12.09 hrs HW=62.90' (Free Discharge)
1=Culvert (Inlet Controls 2.81 cfs @ 2.55 fps)

Pond 96P: DMH 56



Stage-Area-Storage for Pond 96P: DMH 56

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000	63.06	0.000
62.01	0.000	62.54	0.000	63.07	0.000
62.02	0.000	62.55	0.000	63.08	0.000
62.03	0.000	62.56	0.000	63.09	0.000
62.04	0.000	62.57	0.000	63.10	0.000
62.05	0.000	62.58	0.000	63.11	0.000
62.06	0.000	62.59	0.000	63.12	0.000
62.07	0.000	62.60	0.000	63.13	0.000
62.08	0.000	62.61	0.000	63.14	0.000
62.09	0.000	62.62	0.000	63.15	0.000
62.10	0.000	62.63	0.000	63.16	0.000
62.11	0.000	62.64	0.000	63.17	0.000
62.12	0.000	62.65	0.000	63.18	0.000
62.13	0.000	62.66	0.000	63.19	0.000
62.14	0.000	62.67	0.000	63.20	0.000
62.15	0.000	62.68	0.000	63.21	0.000
62.16	0.000	62.69	0.000	63.22	0.000
62.17	0.000	62.70	0.000	63.23	0.000
62.18	0.000	62.71	0.000	63.24	0.000
62.19	0.000	62.72	0.000	63.25	0.000
62.20	0.000	62.73	0.000	63.26	0.000
62.21	0.000	62.74	0.000	63.27	0.000
62.22	0.000	62.75	0.000	63.28	0.000
62.23	0.000	62.76	0.000	63.29	0.000
62.24	0.000	62.77	0.000	63.30	0.000
62.25	0.000	62.78	0.000	63.31	0.000
62.26	0.000	62.79	0.000	63.32	0.000
62.27	0.000	62.80	0.000	63.33	0.000
62.28	0.000	62.81	0.000	63.34	0.000
62.29	0.000	62.82	0.000	63.35	0.000
62.30	0.000	62.83	0.000	63.36	0.000
62.31	0.000	62.84	0.000	63.37	0.000
62.32	0.000	62.85	0.000	63.38	0.000
62.33	0.000	62.86	0.000	63.39	0.000
62.34	0.000	62.87	0.000	63.40	0.000
62.35	0.000	62.88	0.000	63.41	0.000
62.36	0.000	62.89	0.000	63.42	0.000
62.37	0.000	62.90	0.000	63.43	0.000
62.38	0.000	62.91	0.000	63.44	0.000
62.39	0.000	62.92	0.000	63.45	0.000
62.40	0.000	62.93	0.000	63.46	0.000
62.41	0.000	62.94	0.000	63.47	0.000
62.42	0.000	62.95	0.000	63.48	0.000
62.43	0.000	62.96	0.000	63.49	0.000
62.44	0.000	62.97	0.000	63.50	0.000
62.45	0.000	62.98	0.000		
62.46	0.000	62.99	0.000		
62.47	0.000	63.00	0.000		
62.48	0.000	63.01	0.000		
62.49	0.000	63.02	0.000		
62.50	0.000	63.03	0.000		
62.51	0.000	63.04	0.000		
62.52	0.000	63.05	0.000		

Summary for Pond 97P: Sub. Det. 2

Inflow Area = 1.404 ac, 71.59% Impervious, Inflow Depth > 2.09" for 2-Year event
Inflow = 3.51 cfs @ 12.09 hrs, Volume= 0.245 af
Outflow = 0.04 cfs @ 20.00 hrs, Volume= 0.031 af, Atten= 99%, Lag= 474.6 min
Primary = 0.04 cfs @ 20.00 hrs, Volume= 0.031 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.34' @ 20.00 hrs Surf.Area= 0.088 ac Storage= 0.214 af

Plug-Flow detention time= 331.8 min calculated for 0.031 af (13% of inflow)
Center-of-Mass det. time= 157.8 min (928.2 - 770.3)

Volume	Invert	Avail.Storage	Storage Description
#1A	57.50'	0.014 af	**66.00'W x 58.00'L x 5.71'H Field A** 0.502 af Overall - 0.467 af Embedded = 0.035 af x 40.0% Voids
#2A	57.54'	0.367 af	**Shea Leaching Chamber 8x14x5.7** x 32 Inside #1 Inside= 84.0"W x 60.0"H => 38.46 sf x 13.00'L = 500.0 cf Outside= 96.0"W x 68.0"H => 45.36 sf x 14.00'L = 635.0 cf 32 Chambers in 8 Rows
		0.381 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	57.50'	**18.0" Round Culvert** L= 30.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.50' / 53.00' S= 0.1500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	57.50'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	60.50'	**2.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 1	61.70'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=0.04 cfs @ 20.00 hrs HW=60.34' (Free Discharge)
└**1=Culvert** (Passes 0.04 cfs of 9.72 cfs potential flow)
├**2=Orifice/Grate** (Orifice Controls 0.04 cfs @ 8.06 fps)
├**3=Orifice/Grate** (Controls 0.00 cfs)
└**4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 97P: Sub. Det. 2 - Chamber Wizard Field A

Chamber Model = Shea Leaching Chamber 8x14x5.7 (Shea Galley)
Inside= 84.0"W x 60.0"H => 38.46 sf x 13.00'L = 500.0 cf
Outside= 96.0"W x 68.0"H => 45.36 sf x 14.00'L = 635.0 cf

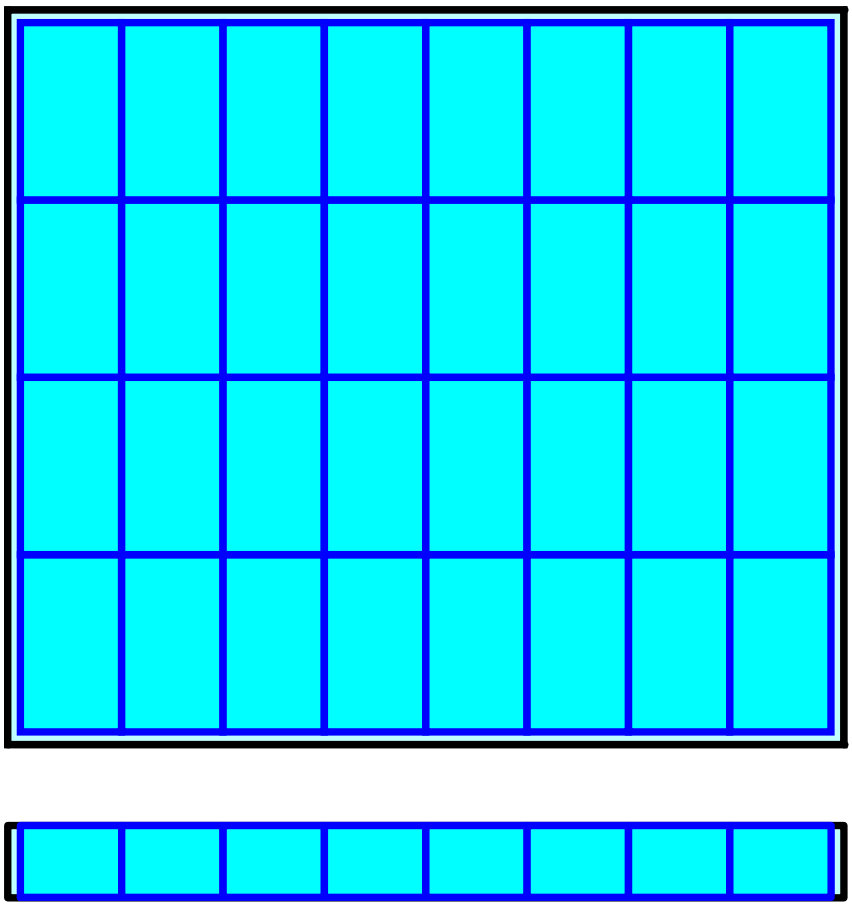
4 Chambers/Row x 14.00' Long = 56.00' Row Length +12.0" End Stone x 2 = 58.00' Base Length
8 Rows x 96.0" Wide + 12.0" Side Stone x 2 = 66.00' Base Width
0.5" Stone Base + 68.0" Chamber Height = 5.71' Field Height

32 Chambers x 500.0 cf = 16,000.0 cf Chamber Storage
32 Chambers x 635.0 cf = 20,321.3 cf Displacement

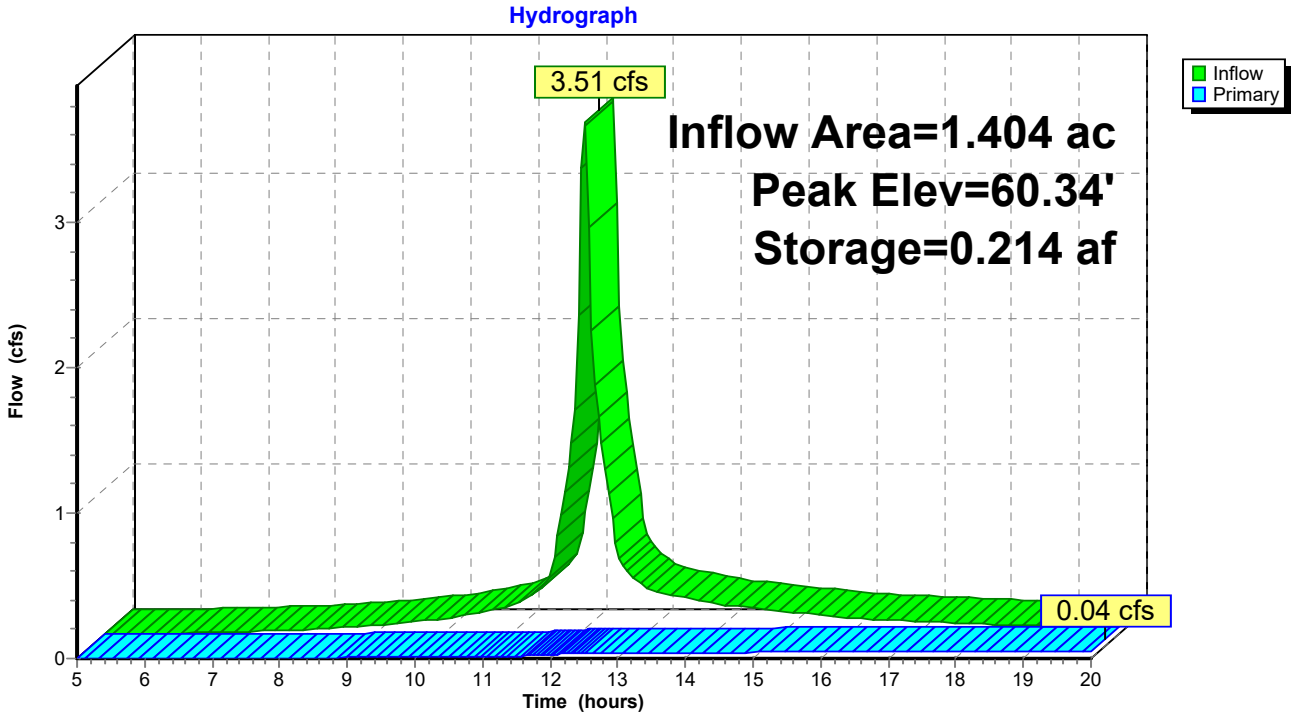
21,864.3 cf Field - 20,321.3 cf Chambers = 1,543.0 cf Stone x 40.0% Voids = 617.2 cf Stone Storage

Chamber Storage + Stone Storage = 16,617.2 cf = 0.381 af
Overall Storage Efficiency = 76.0%
Overall System Size = 58.00' x 66.00' x 5.71'

32 Chambers
809.8 cy Field
57.1 cy Stone



Pond 97P: Sub. Det. 2



Stage-Area-Storage for Pond 97P: Sub. Det. 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.50	0.000	60.15	0.199	62.80	0.381
57.55	0.002	60.20	0.203	62.85	0.381
57.60	0.006	60.25	0.206	62.90	0.381
57.65	0.010	60.30	0.210	62.95	0.381
57.70	0.013	60.35	0.214	63.00	0.381
57.75	0.017	60.40	0.218	63.05	0.381
57.80	0.021	60.45	0.222	63.10	0.381
57.85	0.025	60.50	0.225	63.15	0.381
57.90	0.029	60.55	0.229	63.20	**0.381**
57.95	0.032	60.60	0.233		
58.00	0.036	60.65	0.237		
58.05	0.040	60.70	0.241		
58.10	0.044	60.75	0.244		
58.15	0.048	60.80	0.248		
58.20	0.051	60.85	0.252		
58.25	0.055	60.90	0.256		
58.30	0.059	60.95	0.259		
58.35	0.063	61.00	0.263		
58.40	0.066	61.05	0.267		
58.45	0.070	61.10	0.271		
58.50	0.074	61.15	0.275		
58.55	0.078	61.20	0.278		
58.60	0.082	61.25	0.282		
58.65	0.085	61.30	0.286		
58.70	0.089	61.35	0.290		
58.75	0.093	61.40	0.294		
58.80	0.097	61.45	0.297		
58.85	0.101	61.50	0.301		
58.90	0.104	61.55	0.305		
58.95	0.108	61.60	0.309		
59.00	0.112	61.65	0.312		
59.05	0.116	61.70	0.316		
59.10	0.119	61.75	0.320		
59.15	0.123	61.80	0.324		
59.20	0.127	61.85	0.328		
59.25	0.131	61.90	0.331		
59.30	0.135	61.95	0.335		
59.35	0.138	62.00	0.339		
59.40	0.142	62.05	0.343		
59.45	0.146	62.10	0.347		
59.50	0.150	62.15	0.350		
59.55	0.154	62.20	0.354		
59.60	0.157	62.25	0.358		
59.65	0.161	62.30	0.362		
59.70	0.165	62.35	0.365		
59.75	0.169	62.40	0.369		
59.80	0.172	62.45	0.373		
59.85	0.176	62.50	0.377		
59.90	0.180	62.55	0.380		
59.95	0.184	62.60	0.380		
60.00	0.188	62.65	0.380		
60.05	0.191	62.70	0.380		
60.10	0.195	62.75	0.380		

Summary for Pond 98P: DMH 61

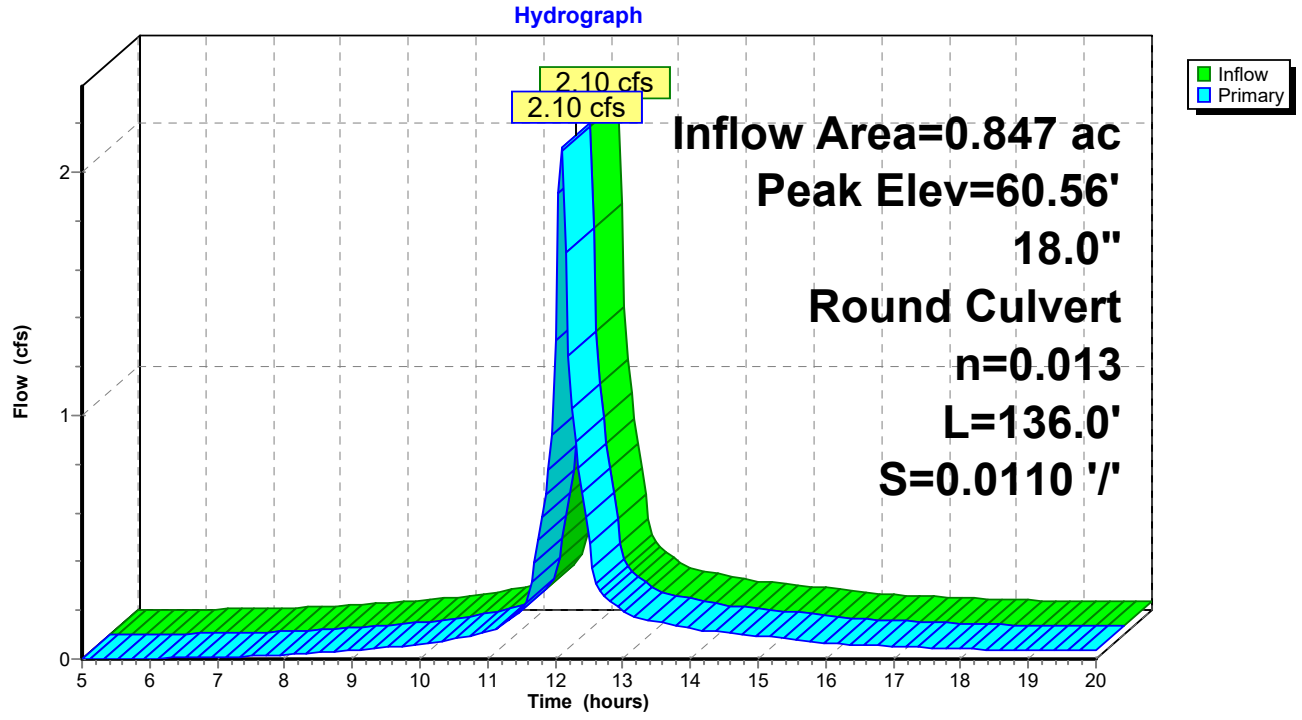
Inflow Area = 0.847 ac, 70.52% Impervious, Inflow Depth > 2.07" for 2-Year event
Inflow = 2.10 cfs @ 12.09 hrs, Volume= 0.146 af
Outflow = 2.10 cfs @ 12.09 hrs, Volume= 0.146 af, Atten= 0%, Lag= 0.0 min
Primary = 2.10 cfs @ 12.09 hrs, Volume= 0.146 af
Routed to Pond 93P : DMH 62

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.56' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.80'	**18.0" Round Culvert** L= 136.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.80' / 58.30' S= 0.0110 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.05 cfs @ 12.09 hrs HW=60.55' (Free Discharge)
1=Culvert (Inlet Controls 2.05 cfs @ 2.33 fps)

Pond 98P: DMH 61



Stage-Area-Storage for Pond 98P: DMH 61

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.80	**0.000**	60.33	0.000	60.86	0.000
59.81	0.000	60.34	0.000	60.87	0.000
59.82	0.000	60.35	0.000	60.88	0.000
59.83	0.000	60.36	0.000	60.89	0.000
59.84	0.000	60.37	0.000	60.90	0.000
59.85	0.000	60.38	0.000	60.91	0.000
59.86	0.000	60.39	0.000	60.92	0.000
59.87	0.000	60.40	0.000	60.93	0.000
59.88	0.000	60.41	0.000	60.94	0.000
59.89	0.000	60.42	0.000	60.95	0.000
59.90	0.000	60.43	0.000	60.96	0.000
59.91	0.000	60.44	0.000	60.97	0.000
59.92	0.000	60.45	0.000	60.98	0.000
59.93	0.000	60.46	0.000	60.99	0.000
59.94	0.000	60.47	0.000	61.00	0.000
59.95	0.000	60.48	0.000	61.01	0.000
59.96	0.000	60.49	0.000	61.02	0.000
59.97	0.000	60.50	0.000	61.03	0.000
59.98	0.000	60.51	0.000	61.04	0.000
59.99	0.000	60.52	0.000	61.05	0.000
60.00	0.000	60.53	0.000	61.06	0.000
60.01	0.000	60.54	0.000	61.07	0.000
60.02	0.000	60.55	0.000	61.08	0.000
60.03	0.000	60.56	0.000	61.09	0.000
60.04	0.000	60.57	0.000	61.10	0.000
60.05	0.000	60.58	0.000	61.11	0.000
60.06	0.000	60.59	0.000	61.12	0.000
60.07	0.000	60.60	0.000	61.13	0.000
60.08	0.000	60.61	0.000	61.14	0.000
60.09	0.000	60.62	0.000	61.15	0.000
60.10	0.000	60.63	0.000	61.16	0.000
60.11	0.000	60.64	0.000	61.17	0.000
60.12	0.000	60.65	0.000	61.18	0.000
60.13	0.000	60.66	0.000	61.19	0.000
60.14	0.000	60.67	0.000	61.20	0.000
60.15	0.000	60.68	0.000	61.21	0.000
60.16	0.000	60.69	0.000	61.22	0.000
60.17	0.000	60.70	0.000	61.23	0.000
60.18	0.000	60.71	0.000	61.24	0.000
60.19	0.000	60.72	0.000	61.25	0.000
60.20	0.000	60.73	0.000	61.26	0.000
60.21	0.000	60.74	0.000	61.27	0.000
60.22	0.000	60.75	0.000	61.28	0.000
60.23	0.000	60.76	0.000	61.29	0.000
60.24	0.000	60.77	0.000	61.30	0.000
60.25	0.000	60.78	0.000		
60.26	0.000	60.79	0.000		
60.27	0.000	60.80	0.000		
60.28	0.000	60.81	0.000		
60.29	0.000	60.82	0.000		
60.30	0.000	60.83	0.000		
60.31	0.000	60.84	0.000		
60.32	0.000	60.85	0.000		

Summary for Pond 99P: CB 81

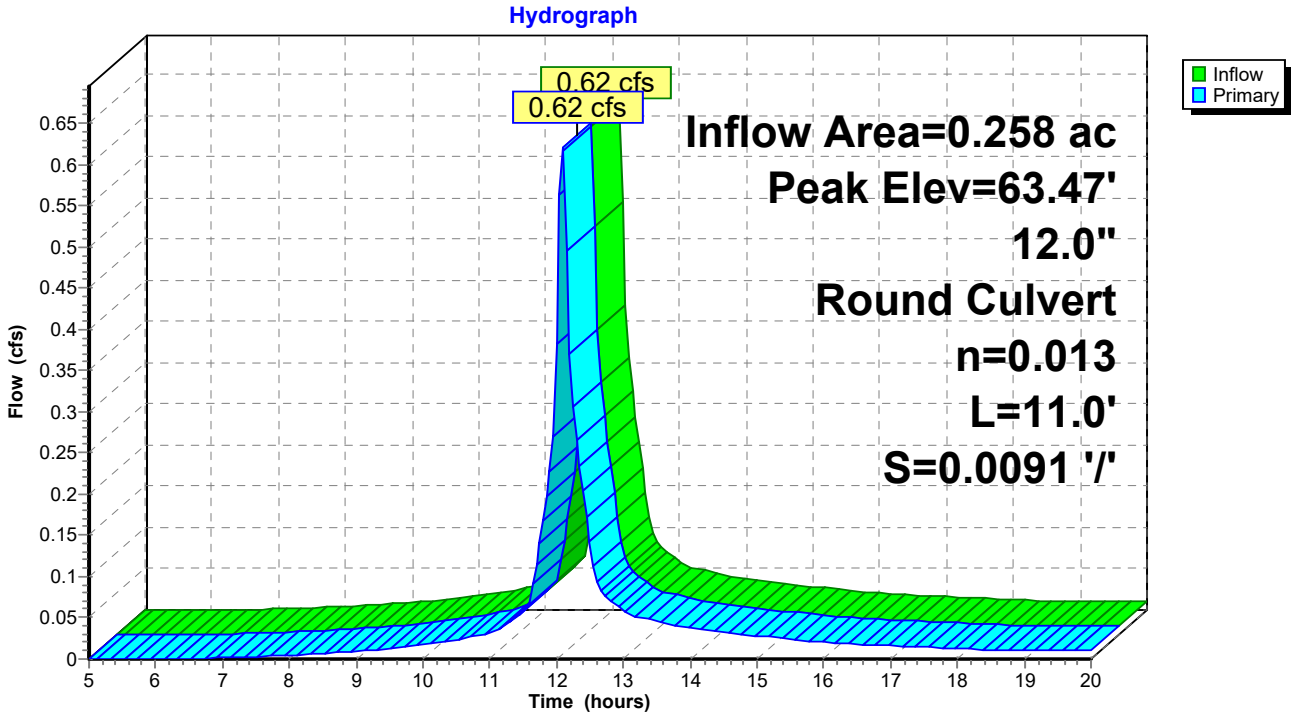
Inflow Area = 0.258 ac, 68.08% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 0.62 cfs @ 12.09 hrs, Volume= 0.043 af
Outflow = 0.62 cfs @ 12.09 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.62 cfs @ 12.09 hrs, Volume= 0.043 af
Routed to Pond 101P : DMH 59

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.47' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.99'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.99' / 62.89' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.09 hrs HW=63.46' (Free Discharge)
1=Culvert (Barrel Controls 0.61 cfs @ 2.43 fps)

Pond 99P: CB 81



Stage-Area-Storage for Pond 99P: CB 81

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.99	**0.000**	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000	63.66	0.000
63.14	0.000	63.67	0.000
63.15	0.000	63.68	0.000
63.16	0.000	63.69	0.000
63.17	0.000	63.70	0.000
63.18	0.000	63.71	0.000
63.19	0.000	63.72	0.000
63.20	0.000	63.73	0.000
63.21	0.000	63.74	0.000
63.22	0.000	63.75	0.000
63.23	0.000	63.76	0.000
63.24	0.000	63.77	0.000
63.25	0.000	63.78	0.000
63.26	0.000	63.79	0.000
63.27	0.000	63.80	0.000
63.28	0.000	63.81	0.000
63.29	0.000	63.82	0.000
63.30	0.000	63.83	0.000
63.31	0.000	63.84	0.000
63.32	0.000	63.85	0.000
63.33	0.000	63.86	0.000
63.34	0.000	63.87	0.000
63.35	0.000	63.88	0.000
63.36	0.000	63.89	0.000
63.37	0.000	63.90	0.000
63.38	0.000	63.91	0.000
63.39	0.000	63.92	0.000
63.40	0.000	63.93	0.000
63.41	0.000	63.94	0.000
63.42	0.000	63.95	0.000
63.43	0.000	63.96	0.000
63.44	0.000	63.97	0.000
63.45	0.000	63.98	0.000
63.46	0.000	63.99	0.000
63.47	0.000		
63.48	0.000		
63.49	0.000		
63.50	0.000		
63.51	0.000		

Summary for Pond 100P: CB 80

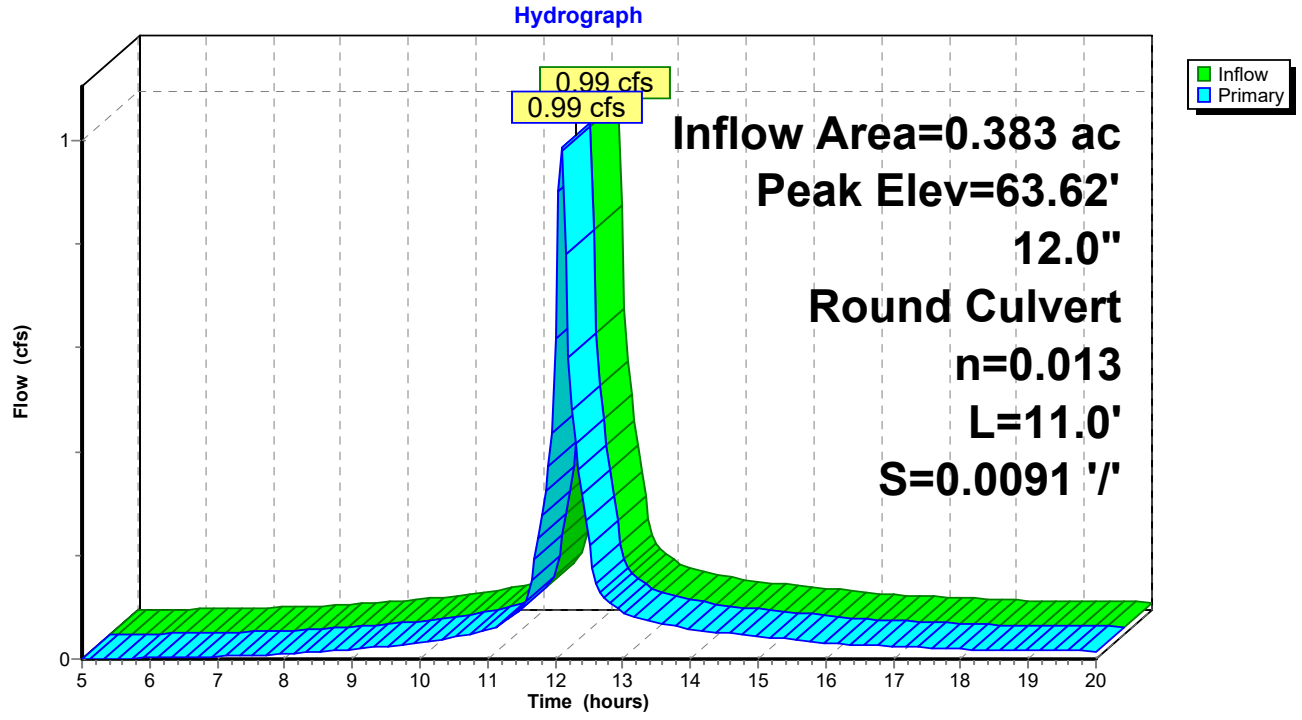
Inflow Area = 0.383 ac, 73.17% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.99 cfs @ 12.09 hrs, Volume= 0.069 af
Outflow = 0.99 cfs @ 12.09 hrs, Volume= 0.069 af, Atten= 0%, Lag= 0.0 min
Primary = 0.99 cfs @ 12.09 hrs, Volume= 0.069 af
Routed to Pond 101P : DMH 59

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.62' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.99'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.99' / 62.89' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.96 cfs @ 12.09 hrs HW=63.61' (Free Discharge)
1=Culvert (Barrel Controls 0.96 cfs @ 2.69 fps)

Pond 100P: CB 80



Stage-Area-Storage for Pond 100P: CB 80

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.99	**0.000**	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000	63.66	0.000
63.14	0.000	63.67	0.000
63.15	0.000	63.68	0.000
63.16	0.000	63.69	0.000
63.17	0.000	63.70	0.000
63.18	0.000	63.71	0.000
63.19	0.000	63.72	0.000
63.20	0.000	63.73	0.000
63.21	0.000	63.74	0.000
63.22	0.000	63.75	0.000
63.23	0.000	63.76	0.000
63.24	0.000	63.77	0.000
63.25	0.000	63.78	0.000
63.26	0.000	63.79	0.000
63.27	0.000	63.80	0.000
63.28	0.000	63.81	0.000
63.29	0.000	63.82	0.000
63.30	0.000	63.83	0.000
63.31	0.000	63.84	0.000
63.32	0.000	63.85	0.000
63.33	0.000	63.86	0.000
63.34	0.000	63.87	0.000
63.35	0.000	63.88	0.000
63.36	0.000	63.89	0.000
63.37	0.000	63.90	0.000
63.38	0.000	63.91	0.000
63.39	0.000	63.92	0.000
63.40	0.000	63.93	0.000
63.41	0.000	63.94	0.000
63.42	0.000	63.95	0.000
63.43	0.000	63.96	0.000
63.44	0.000	63.97	0.000
63.45	0.000	63.98	0.000
63.46	0.000	63.99	0.000
63.47	0.000		
63.48	0.000		
63.49	0.000		
63.50	0.000		
63.51	0.000		

Summary for Pond 101P: DMH 59

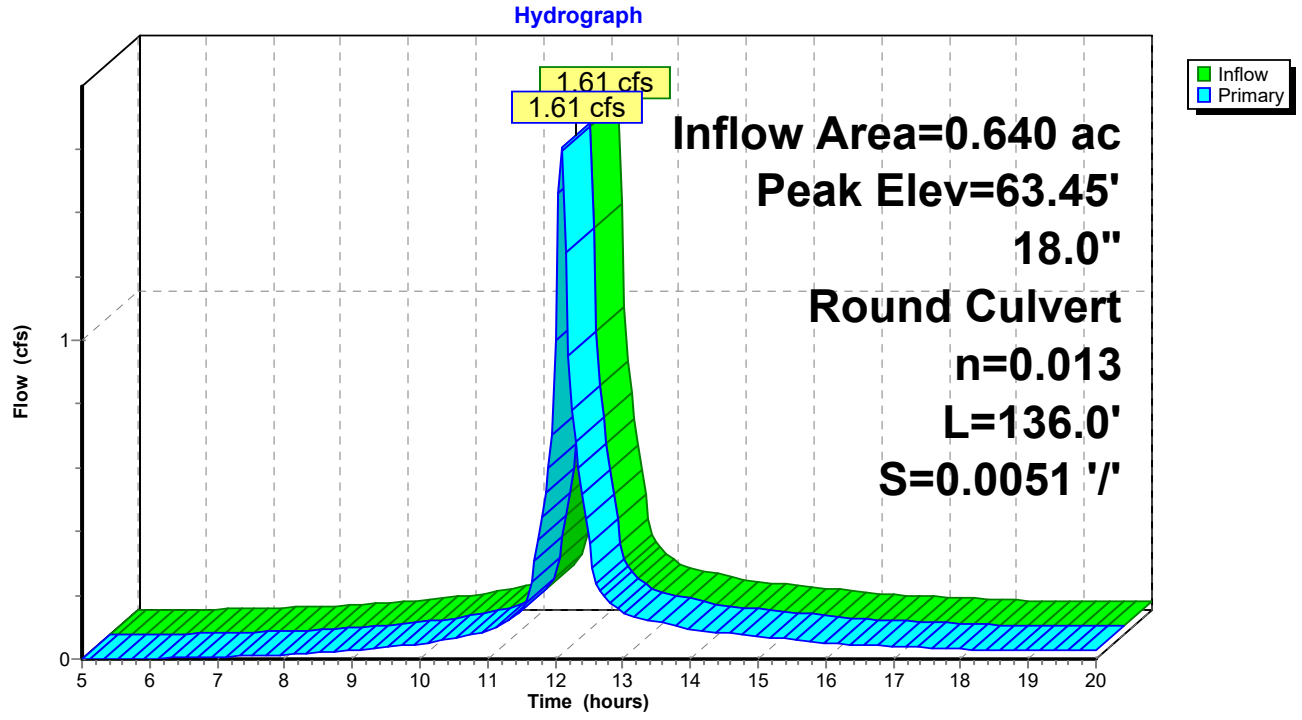
Inflow Area = 0.640 ac, 71.12% Impervious, Inflow Depth > 2.10" for 2-Year event
Inflow = 1.61 cfs @ 12.09 hrs, Volume= 0.112 af
Outflow = 1.61 cfs @ 12.09 hrs, Volume= 0.112 af, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 12.09 hrs, Volume= 0.112 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.45' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.79'	**18.0" Round Culvert** L= 136.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.79' / 62.10' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.57 cfs @ 12.09 hrs HW=63.45' (Free Discharge)
1=Culvert (Barrel Controls 1.57 cfs @ 3.12 fps)

Pond 101P: DMH 59



Stage-Area-Storage for Pond 101P: DMH 59

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.79	**0.000**	63.32	0.000	63.85	0.000
62.80	0.000	63.33	0.000	63.86	0.000
62.81	0.000	63.34	0.000	63.87	0.000
62.82	0.000	63.35	0.000	63.88	0.000
62.83	0.000	63.36	0.000	63.89	0.000
62.84	0.000	63.37	0.000	63.90	0.000
62.85	0.000	63.38	0.000	63.91	0.000
62.86	0.000	63.39	0.000	63.92	0.000
62.87	0.000	63.40	0.000	63.93	0.000
62.88	0.000	63.41	0.000	63.94	0.000
62.89	0.000	63.42	0.000	63.95	0.000
62.90	0.000	63.43	0.000	63.96	0.000
62.91	0.000	63.44	0.000	63.97	0.000
62.92	0.000	63.45	0.000	63.98	0.000
62.93	0.000	63.46	0.000	63.99	0.000
62.94	0.000	63.47	0.000	64.00	0.000
62.95	0.000	63.48	0.000	64.01	0.000
62.96	0.000	63.49	0.000	64.02	0.000
62.97	0.000	63.50	0.000	64.03	0.000
62.98	0.000	63.51	0.000	64.04	0.000
62.99	0.000	63.52	0.000	64.05	0.000
63.00	0.000	63.53	0.000	64.06	0.000
63.01	0.000	63.54	0.000	64.07	0.000
63.02	0.000	63.55	0.000	64.08	0.000
63.03	0.000	63.56	0.000	64.09	0.000
63.04	0.000	63.57	0.000	64.10	0.000
63.05	0.000	63.58	0.000	64.11	0.000
63.06	0.000	63.59	0.000	64.12	0.000
63.07	0.000	63.60	0.000	64.13	0.000
63.08	0.000	63.61	0.000	64.14	0.000
63.09	0.000	63.62	0.000	64.15	0.000
63.10	0.000	63.63	0.000	64.16	0.000
63.11	0.000	63.64	0.000	64.17	0.000
63.12	0.000	63.65	0.000	64.18	0.000
63.13	0.000	63.66	0.000	64.19	0.000
63.14	0.000	63.67	0.000	64.20	0.000
63.15	0.000	63.68	0.000	64.21	0.000
63.16	0.000	63.69	0.000	64.22	0.000
63.17	0.000	63.70	0.000	64.23	0.000
63.18	0.000	63.71	0.000	64.24	0.000
63.19	0.000	63.72	0.000	64.25	0.000
63.20	0.000	63.73	0.000	64.26	0.000
63.21	0.000	63.74	0.000	64.27	0.000
63.22	0.000	63.75	0.000	64.28	0.000
63.23	0.000	63.76	0.000	64.29	0.000
63.24	0.000	63.77	0.000		
63.25	0.000	63.78	0.000		
63.26	0.000	63.79	0.000		
63.27	0.000	63.80	0.000		
63.28	0.000	63.81	0.000		
63.29	0.000	63.82	0.000		
63.30	0.000	63.83	0.000		
63.31	0.000	63.84	0.000		

Summary for Pond 102P: CB 93

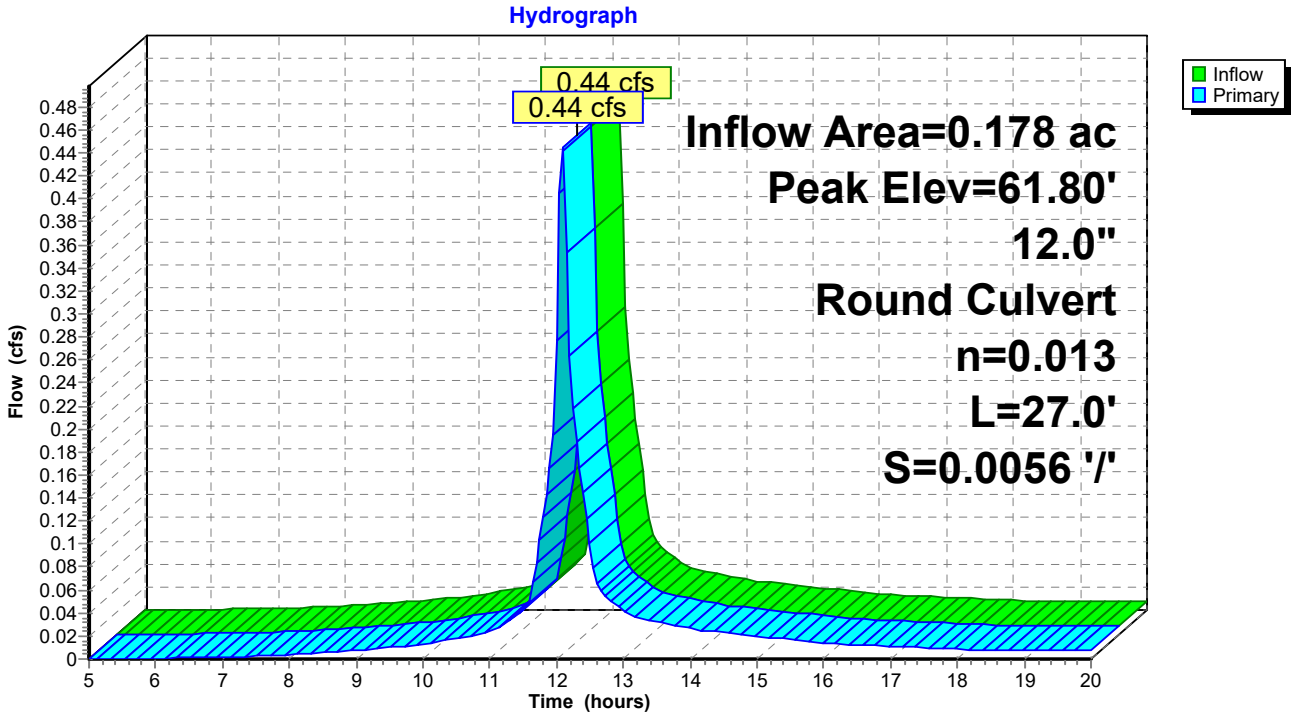
Inflow Area = 0.178 ac, 69.60% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 0.031 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.80' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.25' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=61.80' (Free Discharge)
1=Culvert (Barrel Controls 0.43 cfs @ 2.20 fps)

Pond 102P: CB 93



Stage-Area-Storage for Pond 102P: CB 93

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000		
61.89	0.000		
61.90	0.000		
61.91	0.000		
61.92	0.000		

Summary for Pond 103P: CB 92

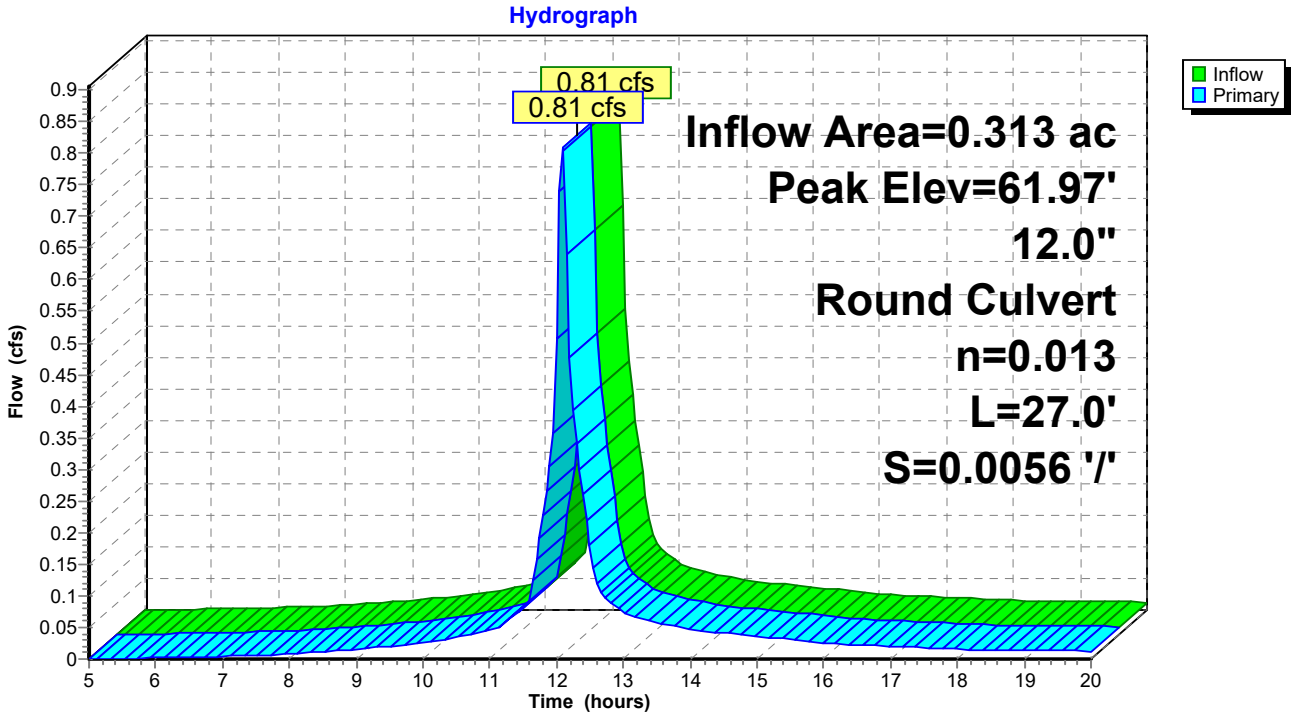
Inflow Area = 0.313 ac, 76.83% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.81 cfs @ 12.09 hrs, Volume= 0.057 af
Outflow = 0.81 cfs @ 12.09 hrs, Volume= 0.057 af, Atten= 0%, Lag= 0.0 min
Primary = 0.81 cfs @ 12.09 hrs, Volume= 0.057 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.25' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.79 cfs @ 12.09 hrs HW=61.96' (Free Discharge)
1=Culvert (Barrel Controls 0.79 cfs @ 2.54 fps)

Pond 103P: CB 92



Stage-Area-Storage for Pond 103P: CB 92

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000		
61.89	0.000		
61.90	0.000		
61.91	0.000		
61.92	0.000		

Summary for Pond 104P: CB 83

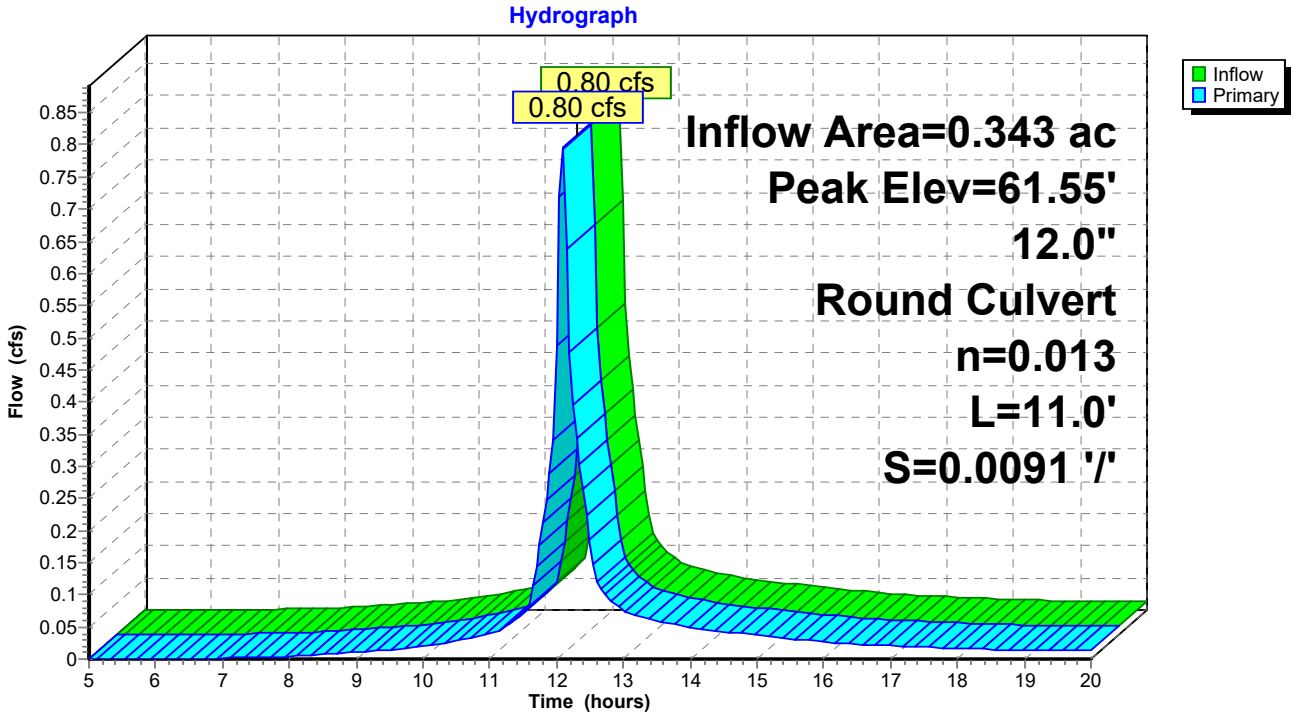
Inflow Area = 0.343 ac, 64.21% Impervious, Inflow Depth > 1.91" for 2-Year event
Inflow = 0.80 cfs @ 12.09 hrs, Volume= 0.055 af
Outflow = 0.80 cfs @ 12.09 hrs, Volume= 0.055 af, Atten= 0%, Lag= 0.0 min
Primary = 0.80 cfs @ 12.09 hrs, Volume= 0.055 af
Routed to Pond 106P : DMH 60

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.55' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.78 cfs @ 12.09 hrs HW=61.55' (Free Discharge)
1=Culvert (Barrel Controls 0.78 cfs @ 2.57 fps)

Pond 104P: CB 83



Stage-Area-Storage for Pond 104P: CB 83

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000		
61.49	0.000		
61.50	0.000		
61.51	0.000		
61.52	0.000		

Summary for Pond 105P: CB 82

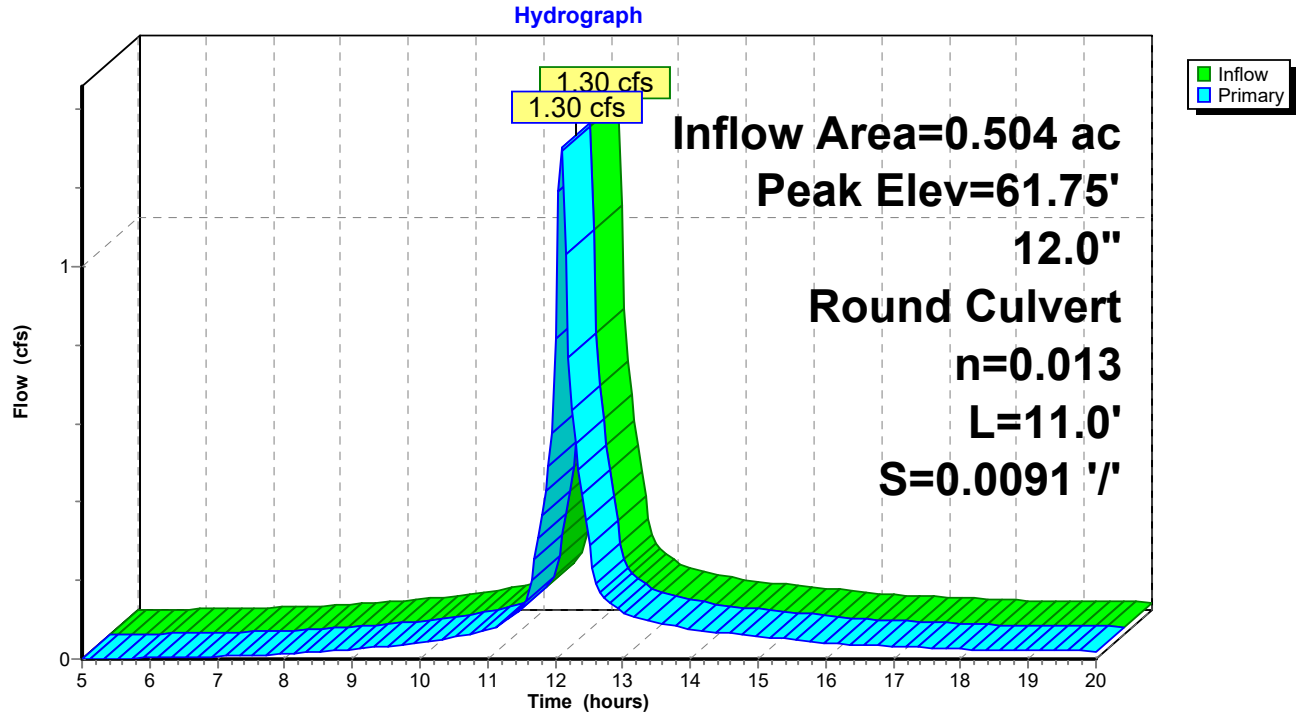
Inflow Area = 0.504 ac, 74.80% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 1.30 cfs @ 12.09 hrs, Volume= 0.091 af
Outflow = 1.30 cfs @ 12.09 hrs, Volume= 0.091 af, Atten= 0%, Lag= 0.0 min
Primary = 1.30 cfs @ 12.09 hrs, Volume= 0.091 af
Routed to Pond 106P : DMH 60

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.75' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.27 cfs @ 12.09 hrs HW=61.73' (Free Discharge)
1=Culvert (Barrel Controls 1.27 cfs @ 2.87 fps)

Pond 105P: CB 82



Stage-Area-Storage for Pond 105P: CB 82

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000		
61.49	0.000		
61.50	0.000		
61.51	0.000		
61.52	0.000		

Summary for Pond 106P: DMH 60

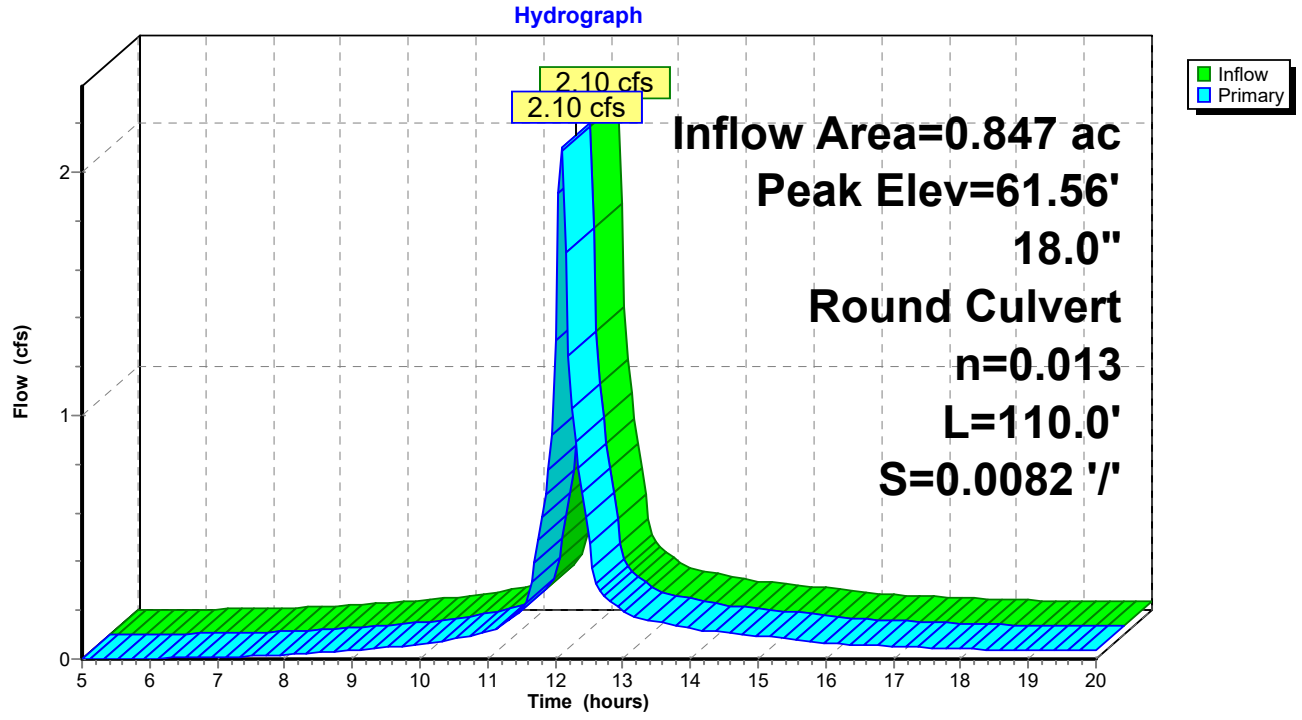
Inflow Area = 0.847 ac, 70.52% Impervious, Inflow Depth > 2.07" for 2-Year event
Inflow = 2.10 cfs @ 12.09 hrs, Volume= 0.146 af
Outflow = 2.10 cfs @ 12.09 hrs, Volume= 0.146 af, Atten= 0%, Lag= 0.0 min
Primary = 2.10 cfs @ 12.09 hrs, Volume= 0.146 af
Routed to Pond 98P : DMH 61

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.56' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**18.0" Round Culvert** L= 110.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 59.90' S= 0.0082 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.05 cfs @ 12.09 hrs HW=61.55' (Free Discharge)
1=Culvert (Inlet Controls 2.05 cfs @ 2.33 fps)

Pond 106P: DMH 60



Stage-Area-Storage for Pond 106P: DMH 60

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.33	0.000	61.86	0.000
60.81	0.000	61.34	0.000	61.87	0.000
60.82	0.000	61.35	0.000	61.88	0.000
60.83	0.000	61.36	0.000	61.89	0.000
60.84	0.000	61.37	0.000	61.90	0.000
60.85	0.000	61.38	0.000	61.91	0.000
60.86	0.000	61.39	0.000	61.92	0.000
60.87	0.000	61.40	0.000	61.93	0.000
60.88	0.000	61.41	0.000	61.94	0.000
60.89	0.000	61.42	0.000	61.95	0.000
60.90	0.000	61.43	0.000	61.96	0.000
60.91	0.000	61.44	0.000	61.97	0.000
60.92	0.000	61.45	0.000	61.98	0.000
60.93	0.000	61.46	0.000	61.99	0.000
60.94	0.000	61.47	0.000	62.00	0.000
60.95	0.000	61.48	0.000	62.01	0.000
60.96	0.000	61.49	0.000	62.02	0.000
60.97	0.000	61.50	0.000	62.03	0.000
60.98	0.000	61.51	0.000	62.04	0.000
60.99	0.000	61.52	0.000	62.05	0.000
61.00	0.000	61.53	0.000	62.06	0.000
61.01	0.000	61.54	0.000	62.07	0.000
61.02	0.000	61.55	0.000	62.08	0.000
61.03	0.000	61.56	0.000	62.09	0.000
61.04	0.000	61.57	0.000	62.10	0.000
61.05	0.000	61.58	0.000	62.11	0.000
61.06	0.000	61.59	0.000	62.12	0.000
61.07	0.000	61.60	0.000	62.13	0.000
61.08	0.000	61.61	0.000	62.14	0.000
61.09	0.000	61.62	0.000	62.15	0.000
61.10	0.000	61.63	0.000	62.16	0.000
61.11	0.000	61.64	0.000	62.17	0.000
61.12	0.000	61.65	0.000	62.18	0.000
61.13	0.000	61.66	0.000	62.19	0.000
61.14	0.000	61.67	0.000	62.20	0.000
61.15	0.000	61.68	0.000	62.21	0.000
61.16	0.000	61.69	0.000	62.22	0.000
61.17	0.000	61.70	0.000	62.23	0.000
61.18	0.000	61.71	0.000	62.24	0.000
61.19	0.000	61.72	0.000	62.25	0.000
61.20	0.000	61.73	0.000	62.26	0.000
61.21	0.000	61.74	0.000	62.27	0.000
61.22	0.000	61.75	0.000	62.28	0.000
61.23	0.000	61.76	0.000	62.29	0.000
61.24	0.000	61.77	0.000	62.30	0.000
61.25	0.000	61.78	0.000		
61.26	0.000	61.79	0.000		
61.27	0.000	61.80	0.000		
61.28	0.000	61.81	0.000		
61.29	0.000	61.82	0.000		
61.30	0.000	61.83	0.000		
61.31	0.000	61.84	0.000		
61.32	0.000	61.85	0.000		

Summary for Pond 107P: CB

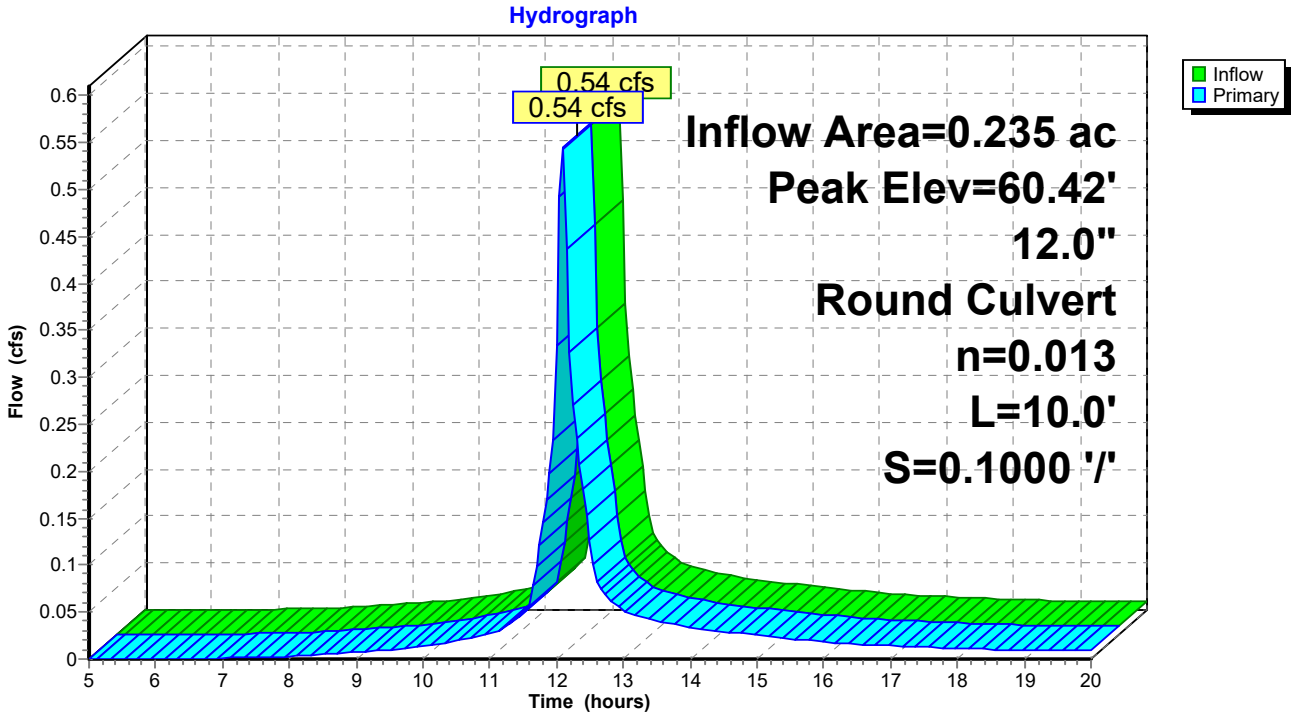
Inflow Area = 0.235 ac, 64.37% Impervious, Inflow Depth > 1.91" for 2-Year event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af
Outflow = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af, Atten= 0%, Lag= 0.0 min
Primary = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.42' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.00' S= 0.1000 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.53 cfs @ 12.09 hrs HW=60.41' (Free Discharge)
1=Culvert (Inlet Controls 0.53 cfs @ 1.73 fps)

Pond 107P: CB



Stage-Area-Storage for Pond 107P: CB

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 108P: CB 88

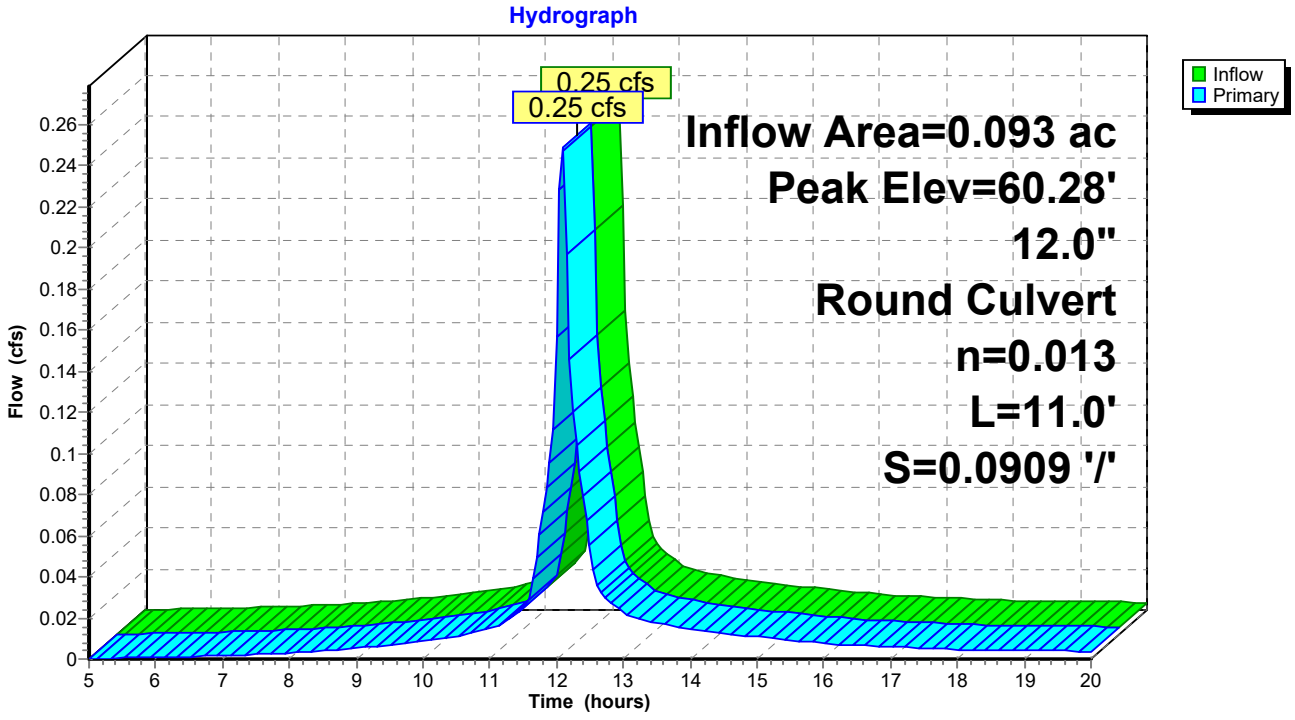
Inflow Area = 0.093 ac, 80.29% Impervious, Inflow Depth > 2.26" for 2-Year event
Inflow = 0.25 cfs @ 12.09 hrs, Volume= 0.018 af
Outflow = 0.25 cfs @ 12.09 hrs, Volume= 0.018 af, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.09 hrs, Volume= 0.018 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.28' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.00' S= 0.0909 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.24 cfs @ 12.09 hrs HW=60.27' (Free Discharge)
1=Culvert (Inlet Controls 0.24 cfs @ 1.40 fps)

Pond 108P: CB 88



Stage-Area-Storage for Pond 108P: CB 88

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 109P: CB 79

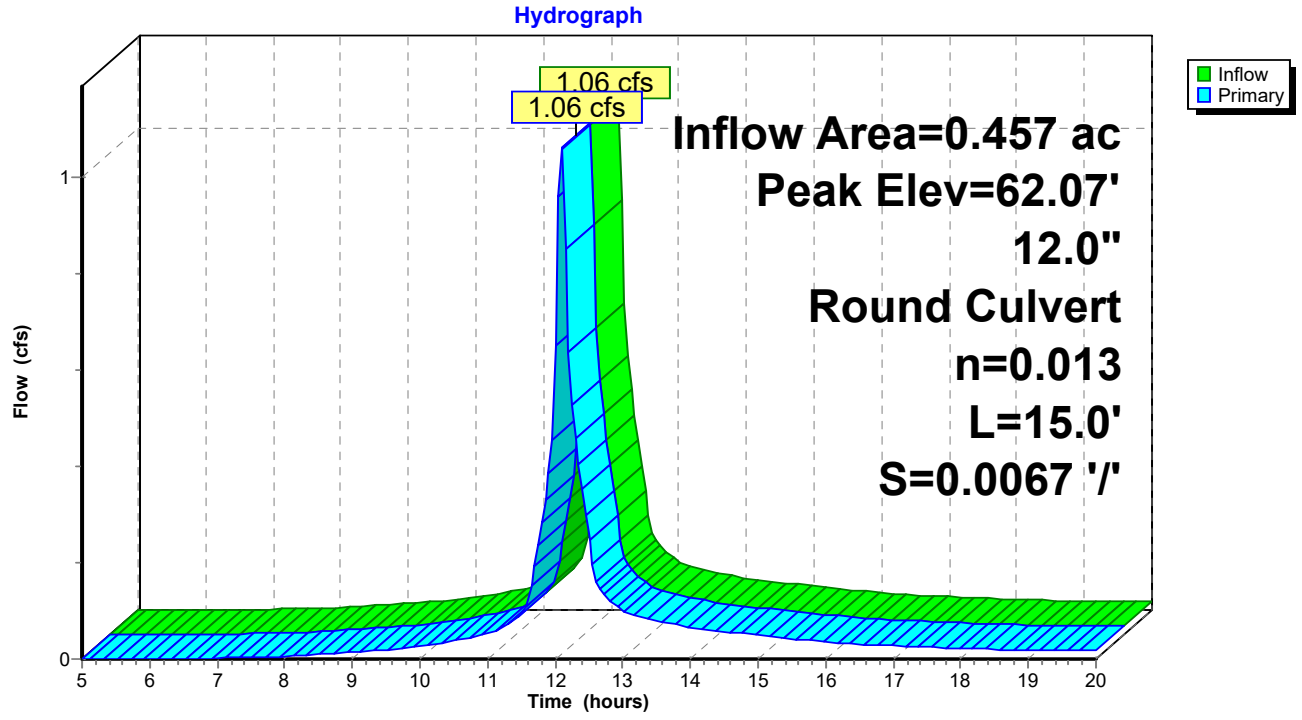
Inflow Area = 0.457 ac, 64.44% Impervious, Inflow Depth > 1.91" for 2-Year event
Inflow = 1.06 cfs @ 12.09 hrs, Volume= 0.073 af
Outflow = 1.06 cfs @ 12.09 hrs, Volume= 0.073 af, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.09 hrs, Volume= 0.073 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.07' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.30' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.04 cfs @ 12.09 hrs HW=62.06' (Free Discharge)
1=Culvert (Barrel Controls 1.04 cfs @ 2.68 fps)

Pond 109P: CB 79



Stage-Area-Storage for Pond 109P: CB 79

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000		
61.89	0.000		
61.90	0.000		
61.91	0.000		
61.92	0.000		

Summary for Pond 110P: CB 78

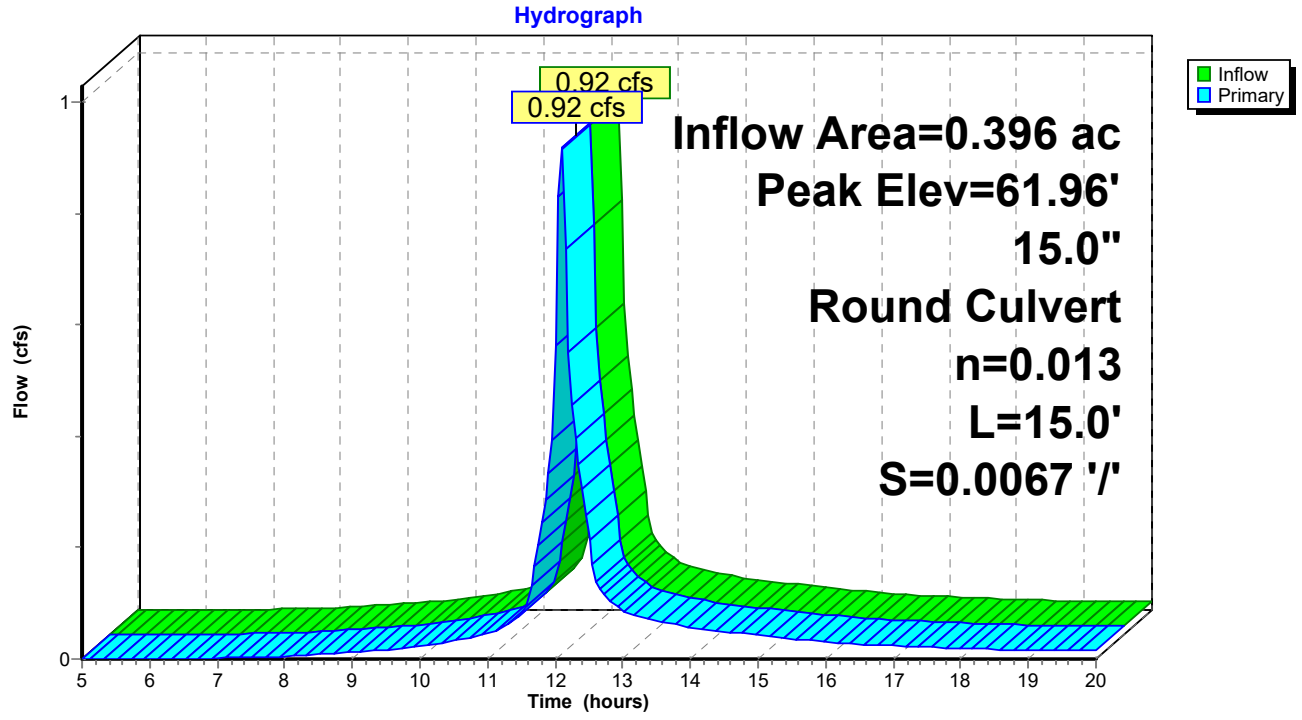
Inflow Area = 0.396 ac, 64.26% Impervious, Inflow Depth > 1.91" for 2-Year event
Inflow = 0.92 cfs @ 12.09 hrs, Volume= 0.063 af
Outflow = 0.92 cfs @ 12.09 hrs, Volume= 0.063 af, Atten= 0%, Lag= 0.0 min
Primary = 0.92 cfs @ 12.09 hrs, Volume= 0.063 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**15.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.30' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.90 cfs @ 12.09 hrs HW=61.95' (Free Discharge)
1=Culvert (Barrel Controls 0.90 cfs @ 2.52 fps)

Pond 110P: CB 78



Stage-Area-Storage for Pond 110P: CB 78

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000	62.46	0.000
61.41	0.000	61.94	0.000	62.47	0.000
61.42	0.000	61.95	0.000	62.48	0.000
61.43	0.000	61.96	0.000	62.49	0.000
61.44	0.000	61.97	0.000	62.50	0.000
61.45	0.000	61.98	0.000	62.51	0.000
61.46	0.000	61.99	0.000	62.52	0.000
61.47	0.000	62.00	0.000	62.53	0.000
61.48	0.000	62.01	0.000	62.54	0.000
61.49	0.000	62.02	0.000	62.55	0.000
61.50	0.000	62.03	0.000	62.56	0.000
61.51	0.000	62.04	0.000	62.57	0.000
61.52	0.000	62.05	0.000	62.58	0.000
61.53	0.000	62.06	0.000	62.59	0.000
61.54	0.000	62.07	0.000	62.60	0.000
61.55	0.000	62.08	0.000	62.61	0.000
61.56	0.000	62.09	0.000	62.62	0.000
61.57	0.000	62.10	0.000	62.63	0.000
61.58	0.000	62.11	0.000	62.64	0.000
61.59	0.000	62.12	0.000	62.65	0.000
61.60	0.000	62.13	0.000		
61.61	0.000	62.14	0.000		
61.62	0.000	62.15	0.000		
61.63	0.000	62.16	0.000		
61.64	0.000	62.17	0.000		
61.65	0.000	62.18	0.000		
61.66	0.000	62.19	0.000		
61.67	0.000	62.20	0.000		
61.68	0.000	62.21	0.000		
61.69	0.000	62.22	0.000		
61.70	0.000	62.23	0.000		
61.71	0.000	62.24	0.000		
61.72	0.000	62.25	0.000		
61.73	0.000	62.26	0.000		
61.74	0.000	62.27	0.000		
61.75	0.000	62.28	0.000		
61.76	0.000	62.29	0.000		
61.77	0.000	62.30	0.000		
61.78	0.000	62.31	0.000		
61.79	0.000	62.32	0.000		
61.80	0.000	62.33	0.000		
61.81	0.000	62.34	0.000		
61.82	0.000	62.35	0.000		
61.83	0.000	62.36	0.000		
61.84	0.000	62.37	0.000		
61.85	0.000	62.38	0.000		
61.86	0.000	62.39	0.000		
61.87	0.000	62.40	0.000		
61.88	0.000	62.41	0.000		
61.89	0.000	62.42	0.000		
61.90	0.000	62.43	0.000		
61.91	0.000	62.44	0.000		
61.92	0.000	62.45	0.000		

Summary for Pond 111P: DMH 57

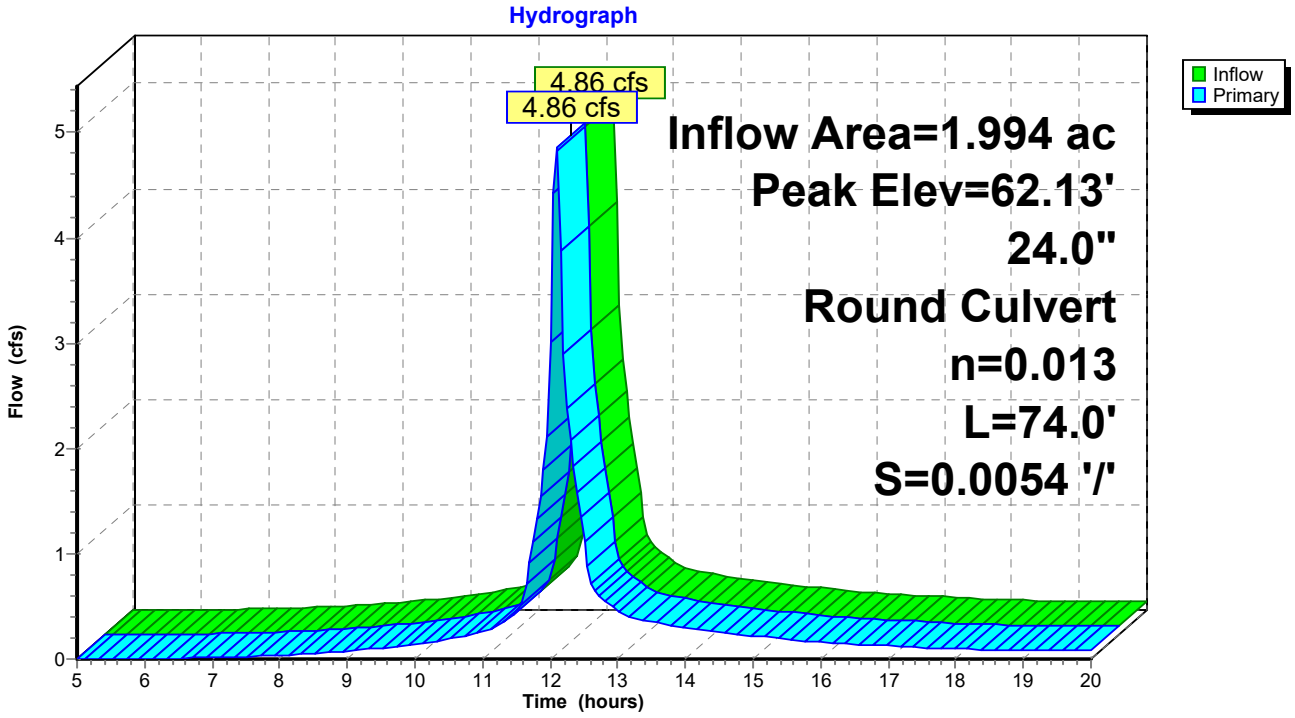
Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 2.02" for 2-Year event
Inflow = 4.86 cfs @ 12.09 hrs, Volume= 0.336 af
Outflow = 4.86 cfs @ 12.09 hrs, Volume= 0.336 af, Atten= 0%, Lag= 0.0 min
Primary = 4.86 cfs @ 12.09 hrs, Volume= 0.336 af
Routed to Pond 208P : DMH 58

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.13' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**24.0" Round Culvert** L= 74.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.60' S= 0.0054 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.75 cfs @ 12.09 hrs HW=62.11' (Free Discharge)
1=Culvert (Barrel Controls 4.75 cfs @ 3.82 fps)

Pond 111P: DMH 57



Stage-Area-Storage for Pond 111P: DMH 57

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	62.06	0.000
61.02	0.000	62.08	0.000
61.04	0.000	62.10	0.000
61.06	0.000	62.12	0.000
61.08	0.000	62.14	0.000
61.10	0.000	62.16	0.000
61.12	0.000	62.18	0.000
61.14	0.000	62.20	0.000
61.16	0.000	62.22	0.000
61.18	0.000	62.24	0.000
61.20	0.000	62.26	0.000
61.22	0.000	62.28	0.000
61.24	0.000	62.30	0.000
61.26	0.000	62.32	0.000
61.28	0.000	62.34	0.000
61.30	0.000	62.36	0.000
61.32	0.000	62.38	0.000
61.34	0.000	62.40	0.000
61.36	0.000	62.42	0.000
61.38	0.000	62.44	0.000
61.40	0.000	62.46	0.000
61.42	0.000	62.48	0.000
61.44	0.000	62.50	0.000
61.46	0.000	62.52	0.000
61.48	0.000	62.54	0.000
61.50	0.000	62.56	0.000
61.52	0.000	62.58	0.000
61.54	0.000	62.60	0.000
61.56	0.000	62.62	0.000
61.58	0.000	62.64	0.000
61.60	0.000	62.66	0.000
61.62	0.000	62.68	0.000
61.64	0.000	62.70	0.000
61.66	0.000	62.72	0.000
61.68	0.000	62.74	0.000
61.70	0.000	62.76	0.000
61.72	0.000	62.78	0.000
61.74	0.000	62.80	0.000
61.76	0.000	62.82	0.000
61.78	0.000	62.84	0.000
61.80	0.000	62.86	0.000
61.82	0.000	62.88	0.000
61.84	0.000	62.90	0.000
61.86	0.000	62.92	0.000
61.88	0.000	62.94	0.000
61.90	0.000	62.96	0.000
61.92	0.000	62.98	0.000
61.94	0.000	63.00	0.000
61.96	0.000		
61.98	0.000		
62.00	0.000		
62.02	0.000		
62.04	0.000		

Summary for Pond 112P: CB 45

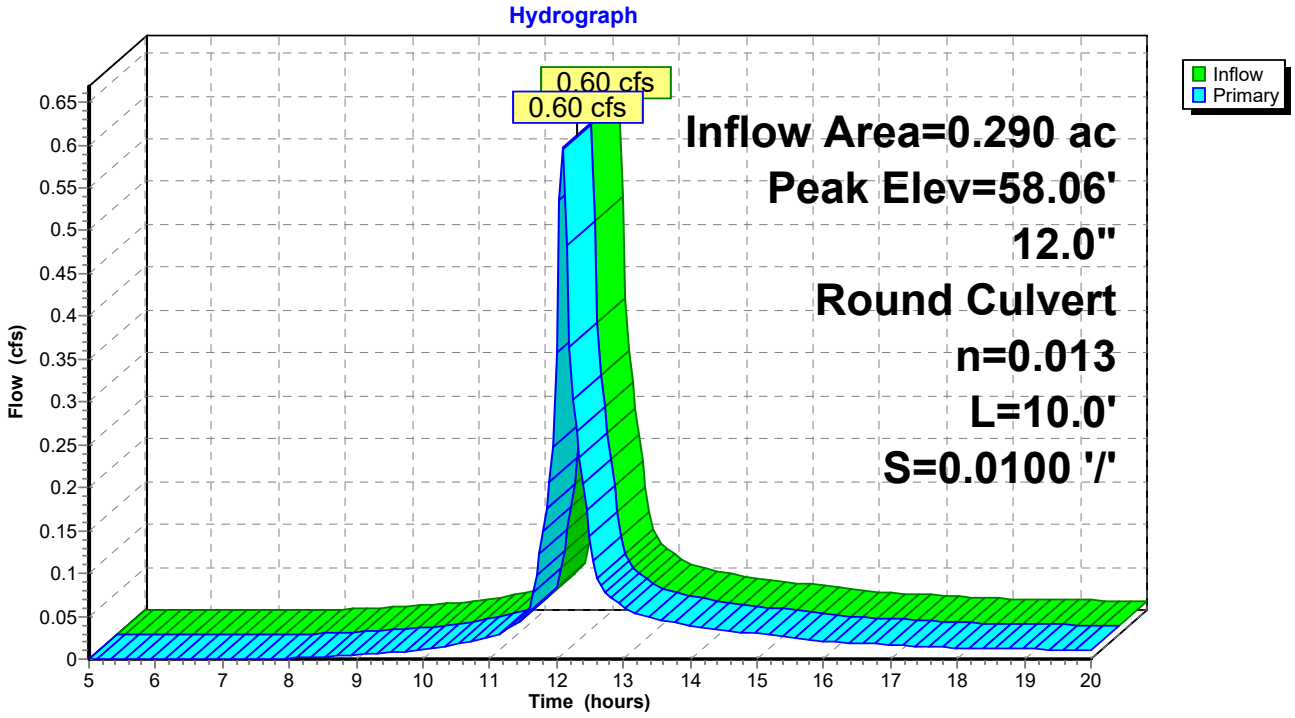
Inflow Area = 0.290 ac, 58.56% Impervious, Inflow Depth > 1.67" for 2-Year event
Inflow = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af
Outflow = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af
Routed to Pond 123P : DMH 31

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.06' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.59'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.59' / 57.49' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.59 cfs @ 12.09 hrs HW=58.05' (Free Discharge)
1=Culvert (Barrel Controls 0.59 cfs @ 2.43 fps)

Pond 112P: CB 45



Stage-Area-Storage for Pond 112P: CB 45

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.59	**0.000**	58.12	0.000
57.60	0.000	58.13	0.000
57.61	0.000	58.14	0.000
57.62	0.000	58.15	0.000
57.63	0.000	58.16	0.000
57.64	0.000	58.17	0.000
57.65	0.000	58.18	0.000
57.66	0.000	58.19	0.000
57.67	0.000	58.20	0.000
57.68	0.000	58.21	0.000
57.69	0.000	58.22	0.000
57.70	0.000	58.23	0.000
57.71	0.000	58.24	0.000
57.72	0.000	58.25	0.000
57.73	0.000	58.26	0.000
57.74	0.000	58.27	0.000
57.75	0.000	58.28	0.000
57.76	0.000	58.29	0.000
57.77	0.000	58.30	0.000
57.78	0.000	58.31	0.000
57.79	0.000	58.32	0.000
57.80	0.000	58.33	0.000
57.81	0.000	58.34	0.000
57.82	0.000	58.35	0.000
57.83	0.000	58.36	0.000
57.84	0.000	58.37	0.000
57.85	0.000	58.38	0.000
57.86	0.000	58.39	0.000
57.87	0.000	58.40	0.000
57.88	0.000	58.41	0.000
57.89	0.000	58.42	0.000
57.90	0.000	58.43	0.000
57.91	0.000	58.44	0.000
57.92	0.000	58.45	0.000
57.93	0.000	58.46	0.000
57.94	0.000	58.47	0.000
57.95	0.000	58.48	0.000
57.96	0.000	58.49	0.000
57.97	0.000	58.50	0.000
57.98	0.000	58.51	0.000
57.99	0.000	58.52	0.000
58.00	0.000	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000		
58.08	0.000		
58.09	0.000		
58.10	0.000		
58.11	0.000		

Summary for Pond 113P: CB 95

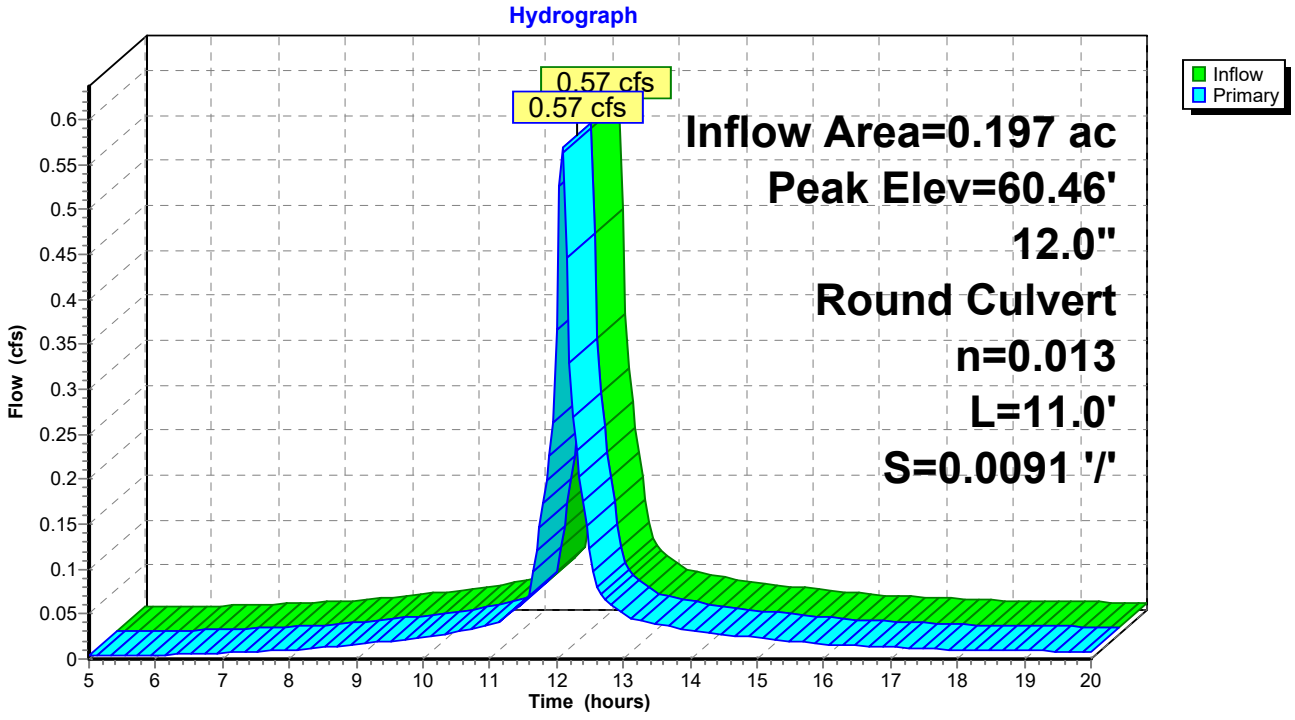
Inflow Area = 0.197 ac, 91.64% Impervious, Inflow Depth > 2.55" for 2-Year event
Inflow = 0.57 cfs @ 12.09 hrs, Volume= 0.042 af
Outflow = 0.57 cfs @ 12.09 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.57 cfs @ 12.09 hrs, Volume= 0.042 af
Routed to Pond 118P : DMH 70

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.46' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.55 cfs @ 12.09 hrs HW=60.45' (Free Discharge)
1=Culvert (Barrel Controls 0.55 cfs @ 2.38 fps)

Pond 113P: CB 95



Stage-Area-Storage for Pond 113P: CB 95

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 114P: CB 94

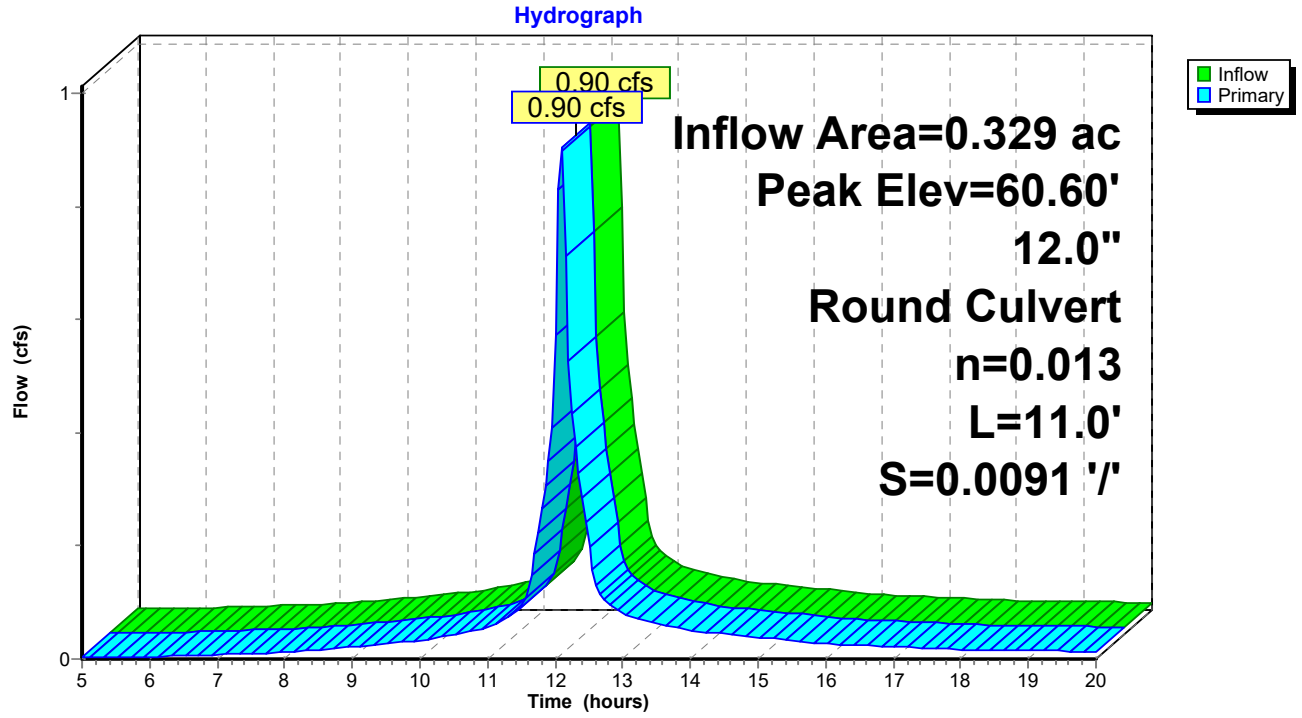
Inflow Area = 0.329 ac, 82.49% Impervious, Inflow Depth > 2.36" for 2-Year event
Inflow = 0.90 cfs @ 12.09 hrs, Volume= 0.065 af
Outflow = 0.90 cfs @ 12.09 hrs, Volume= 0.065 af, Atten= 0%, Lag= 0.0 min
Primary = 0.90 cfs @ 12.09 hrs, Volume= 0.065 af
Routed to Pond 118P : DMH 70

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.60' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.88 cfs @ 12.09 hrs HW=60.59' (Free Discharge)
1=Culvert (Barrel Controls 0.88 cfs @ 2.64 fps)

Pond 114P: CB 94



Stage-Area-Storage for Pond 114P: CB 94

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 115P: CB 91

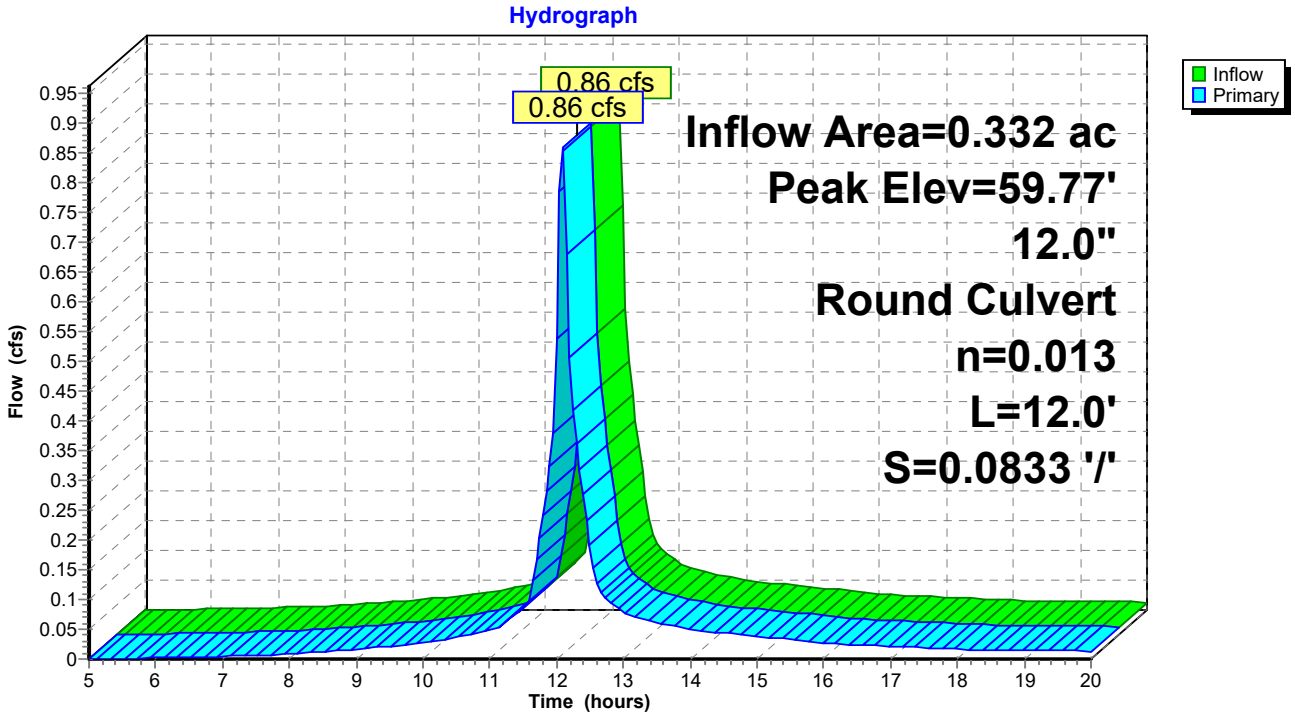
Inflow Area = 0.332 ac, 76.35% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.86 cfs @ 12.09 hrs, Volume= 0.060 af
Outflow = 0.86 cfs @ 12.09 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.86 cfs @ 12.09 hrs, Volume= 0.060 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.23'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.23' / 58.23' S= 0.0833 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=59.76' (Free Discharge)
1=Culvert (Inlet Controls 0.84 cfs @ 1.96 fps)

Pond 115P: CB 91



Stage-Area-Storage for Pond 115P: CB 91

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.23	**0.000**	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000	59.91	0.000
59.39	0.000	59.92	0.000
59.40	0.000	59.93	0.000
59.41	0.000	59.94	0.000
59.42	0.000	59.95	0.000
59.43	0.000	59.96	0.000
59.44	0.000	59.97	0.000
59.45	0.000	59.98	0.000
59.46	0.000	59.99	0.000
59.47	0.000	60.00	0.000
59.48	0.000	60.01	0.000
59.49	0.000	60.02	0.000
59.50	0.000	60.03	0.000
59.51	0.000	60.04	0.000
59.52	0.000	60.05	0.000
59.53	0.000	60.06	0.000
59.54	0.000	60.07	0.000
59.55	0.000	60.08	0.000
59.56	0.000	60.09	0.000
59.57	0.000	60.10	0.000
59.58	0.000	60.11	0.000
59.59	0.000	60.12	0.000
59.60	0.000	60.13	0.000
59.61	0.000	60.14	0.000
59.62	0.000	60.15	0.000
59.63	0.000	60.16	0.000
59.64	0.000	60.17	0.000
59.65	0.000	60.18	0.000
59.66	0.000	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000		
59.72	0.000		
59.73	0.000		
59.74	0.000		
59.75	0.000		

Summary for Pond 116P: CB 90

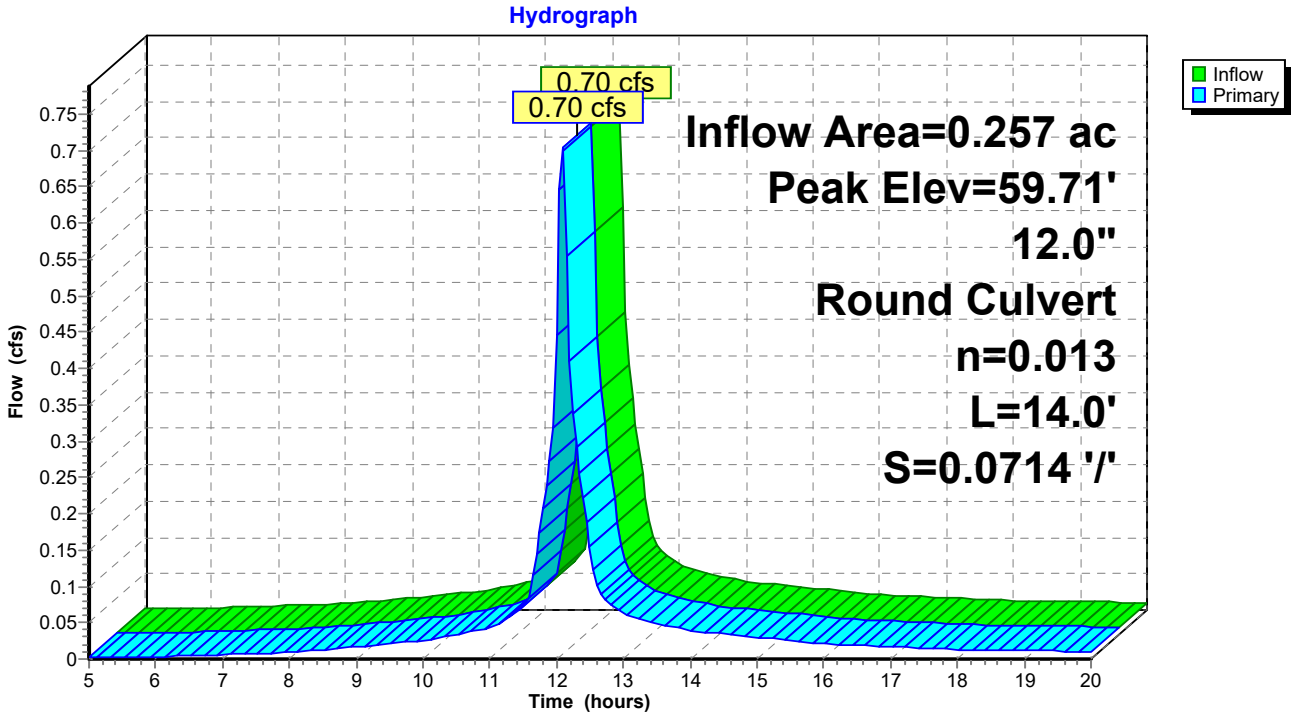
Inflow Area = 0.257 ac, 83.40% Impervious, Inflow Depth > 2.36" for 2-Year event
Inflow = 0.70 cfs @ 12.09 hrs, Volume= 0.050 af
Outflow = 0.70 cfs @ 12.09 hrs, Volume= 0.050 af, Atten= 0%, Lag= 0.0 min
Primary = 0.70 cfs @ 12.09 hrs, Volume= 0.050 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.71' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.23'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.23' / 58.23' S= 0.0714 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.69 cfs @ 12.09 hrs HW=59.71' (Free Discharge)
1=Culvert (Inlet Controls 0.69 cfs @ 1.86 fps)

Pond 116P: CB 90



Stage-Area-Storage for Pond 116P: CB 90

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.23	**0.000**	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000	59.91	0.000
59.39	0.000	59.92	0.000
59.40	0.000	59.93	0.000
59.41	0.000	59.94	0.000
59.42	0.000	59.95	0.000
59.43	0.000	59.96	0.000
59.44	0.000	59.97	0.000
59.45	0.000	59.98	0.000
59.46	0.000	59.99	0.000
59.47	0.000	60.00	0.000
59.48	0.000	60.01	0.000
59.49	0.000	60.02	0.000
59.50	0.000	60.03	0.000
59.51	0.000	60.04	0.000
59.52	0.000	60.05	0.000
59.53	0.000	60.06	0.000
59.54	0.000	60.07	0.000
59.55	0.000	60.08	0.000
59.56	0.000	60.09	0.000
59.57	0.000	60.10	0.000
59.58	0.000	60.11	0.000
59.59	0.000	60.12	0.000
59.60	0.000	60.13	0.000
59.61	0.000	60.14	0.000
59.62	0.000	60.15	0.000
59.63	0.000	60.16	0.000
59.64	0.000	60.17	0.000
59.65	0.000	60.18	0.000
59.66	0.000	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000		
59.72	0.000		
59.73	0.000		
59.74	0.000		
59.75	0.000		

Summary for Pond 117P: DMH 69

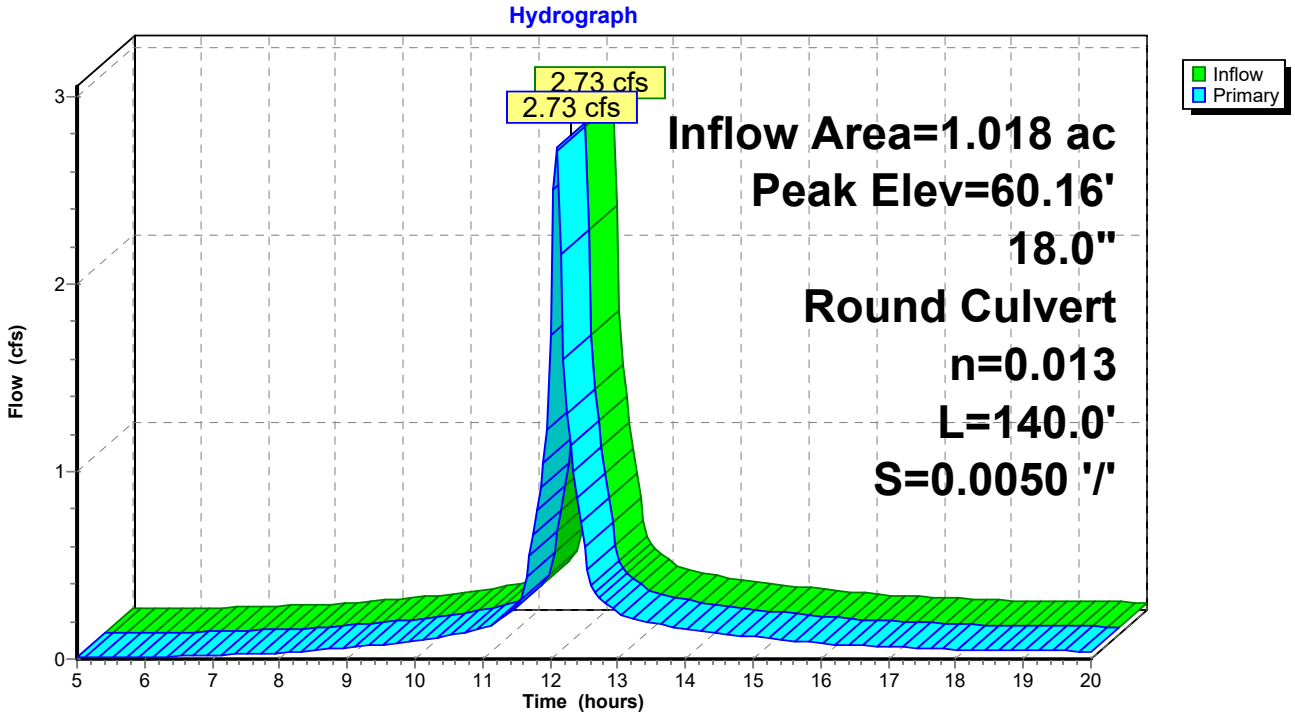
Inflow Area = 1.018 ac, 80.27% Impervious, Inflow Depth > 2.29" for 2-Year event
Inflow = 2.73 cfs @ 12.09 hrs, Volume= 0.194 af
Outflow = 2.73 cfs @ 12.09 hrs, Volume= 0.194 af, Atten= 0%, Lag= 0.0 min
Primary = 2.73 cfs @ 12.09 hrs, Volume= 0.194 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.16' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.26'	**18.0" Round Culvert** L= 140.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.26' / 58.56' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.66 cfs @ 12.09 hrs HW=60.14' (Free Discharge)
1=Culvert (Barrel Controls 2.66 cfs @ 3.53 fps)

Pond 117P: DMH 69



Stage-Area-Storage for Pond 117P: DMH 69

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.26	**0.000**	59.79	0.000	60.32	0.000
59.27	0.000	59.80	0.000	60.33	0.000
59.28	0.000	59.81	0.000	60.34	0.000
59.29	0.000	59.82	0.000	60.35	0.000
59.30	0.000	59.83	0.000	60.36	0.000
59.31	0.000	59.84	0.000	60.37	0.000
59.32	0.000	59.85	0.000	60.38	0.000
59.33	0.000	59.86	0.000	60.39	0.000
59.34	0.000	59.87	0.000	60.40	0.000
59.35	0.000	59.88	0.000	60.41	0.000
59.36	0.000	59.89	0.000	60.42	0.000
59.37	0.000	59.90	0.000	60.43	0.000
59.38	0.000	59.91	0.000	60.44	0.000
59.39	0.000	59.92	0.000	60.45	0.000
59.40	0.000	59.93	0.000	60.46	0.000
59.41	0.000	59.94	0.000	60.47	0.000
59.42	0.000	59.95	0.000	60.48	0.000
59.43	0.000	59.96	0.000	60.49	0.000
59.44	0.000	59.97	0.000	60.50	0.000
59.45	0.000	59.98	0.000	60.51	0.000
59.46	0.000	59.99	0.000	60.52	0.000
59.47	0.000	60.00	0.000	60.53	0.000
59.48	0.000	60.01	0.000	60.54	0.000
59.49	0.000	60.02	0.000	60.55	0.000
59.50	0.000	60.03	0.000	60.56	0.000
59.51	0.000	60.04	0.000	60.57	0.000
59.52	0.000	60.05	0.000	60.58	0.000
59.53	0.000	60.06	0.000	60.59	0.000
59.54	0.000	60.07	0.000	60.60	0.000
59.55	0.000	60.08	0.000	60.61	0.000
59.56	0.000	60.09	0.000	60.62	0.000
59.57	0.000	60.10	0.000	60.63	0.000
59.58	0.000	60.11	0.000	60.64	0.000
59.59	0.000	60.12	0.000	60.65	0.000
59.60	0.000	60.13	0.000	60.66	0.000
59.61	0.000	60.14	0.000	60.67	0.000
59.62	0.000	60.15	0.000	60.68	0.000
59.63	0.000	60.16	0.000	60.69	0.000
59.64	0.000	60.17	0.000	60.70	0.000
59.65	0.000	60.18	0.000	60.71	0.000
59.66	0.000	60.19	0.000	60.72	0.000
59.67	0.000	60.20	0.000	60.73	0.000
59.68	0.000	60.21	0.000	60.74	0.000
59.69	0.000	60.22	0.000	60.75	0.000
59.70	0.000	60.23	0.000	60.76	0.000
59.71	0.000	60.24	0.000		
59.72	0.000	60.25	0.000		
59.73	0.000	60.26	0.000		
59.74	0.000	60.27	0.000		
59.75	0.000	60.28	0.000		
59.76	0.000	60.29	0.000		
59.77	0.000	60.30	0.000		
59.78	0.000	60.31	0.000		

Summary for Pond 118P: DMH 70

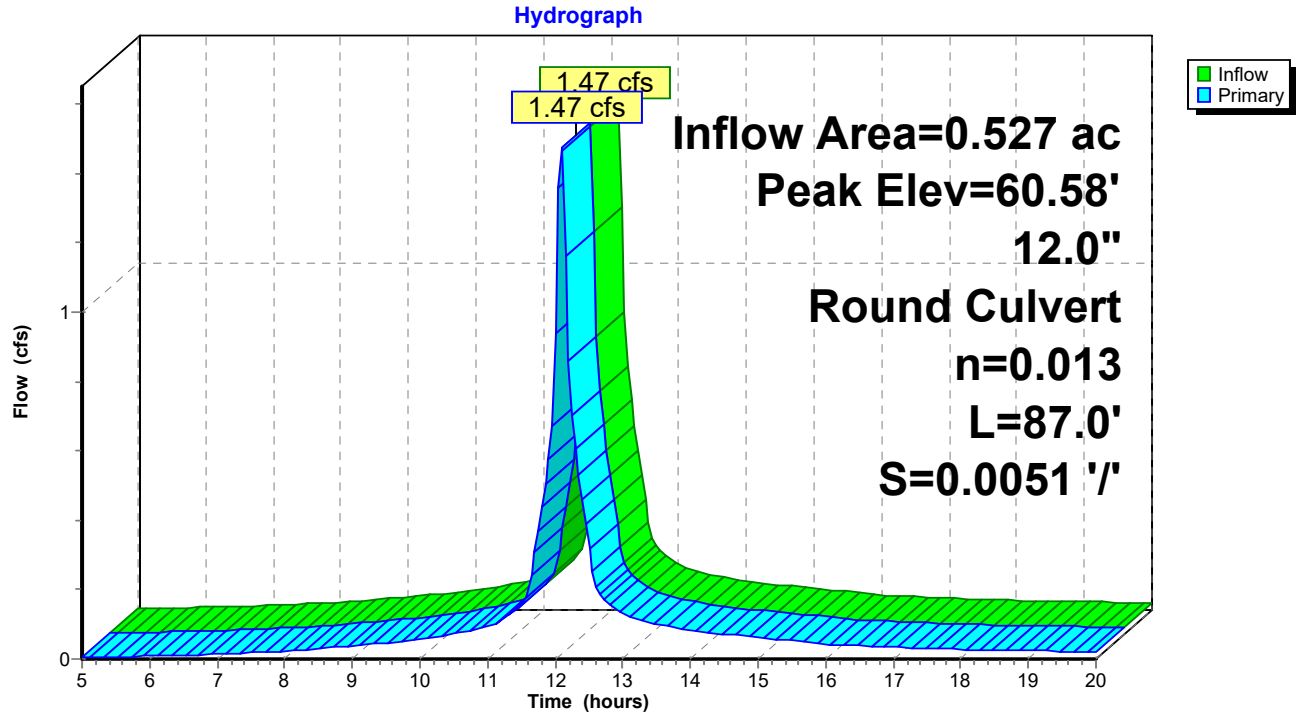
Inflow Area = 0.527 ac, 85.92% Impervious, Inflow Depth > 2.43" for 2-Year event
Inflow = 1.47 cfs @ 12.09 hrs, Volume= 0.107 af
Outflow = 1.47 cfs @ 12.09 hrs, Volume= 0.107 af, Atten= 0%, Lag= 0.0 min
Primary = 1.47 cfs @ 12.09 hrs, Volume= 0.107 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.58' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.80'	**12.0" Round Culvert** L= 87.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.80' / 59.36' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.43 cfs @ 12.09 hrs HW=60.57' (Free Discharge)
1=Culvert (Barrel Controls 1.43 cfs @ 3.06 fps)

Pond 118P: DMH 70



Stage-Area-Storage for Pond 118P: DMH 70

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.80	**0.000**	60.33	0.000
59.81	0.000	60.34	0.000
59.82	0.000	60.35	0.000
59.83	0.000	60.36	0.000
59.84	0.000	60.37	0.000
59.85	0.000	60.38	0.000
59.86	0.000	60.39	0.000
59.87	0.000	60.40	0.000
59.88	0.000	60.41	0.000
59.89	0.000	60.42	0.000
59.90	0.000	60.43	0.000
59.91	0.000	60.44	0.000
59.92	0.000	60.45	0.000
59.93	0.000	60.46	0.000
59.94	0.000	60.47	0.000
59.95	0.000	60.48	0.000
59.96	0.000	60.49	0.000
59.97	0.000	60.50	0.000
59.98	0.000	60.51	0.000
59.99	0.000	60.52	0.000
60.00	0.000	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000		
60.29	0.000		
60.30	0.000		
60.31	0.000		
60.32	0.000		

Summary for Pond 119P: DMH 66

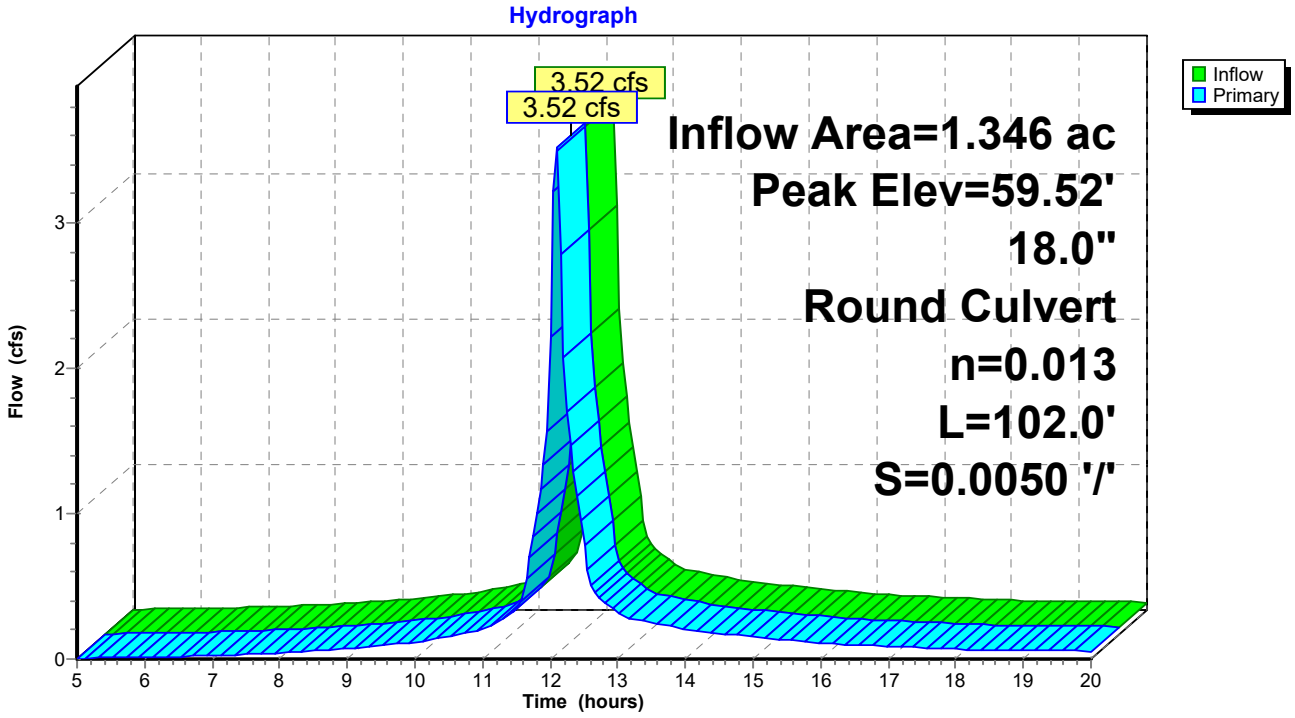
Inflow Area = 1.346 ac, 77.50% Impervious, Inflow Depth > 2.22" for 2-Year event
Inflow = 3.52 cfs @ 12.09 hrs, Volume= 0.249 af
Outflow = 3.52 cfs @ 12.09 hrs, Volume= 0.249 af, Atten= 0%, Lag= 0.0 min
Primary = 3.52 cfs @ 12.09 hrs, Volume= 0.249 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.52' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.46'	**18.0" Round Culvert** L= 102.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.46' / 57.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.43 cfs @ 12.09 hrs HW=59.51' (Free Discharge)
1=Culvert (Barrel Controls 3.43 cfs @ 3.67 fps)

Pond 119P: DMH 66



Stage-Area-Storage for Pond 119P: DMH 66

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.46	**0.000**	58.99	0.000	59.52	0.000
58.47	0.000	59.00	0.000	59.53	0.000
58.48	0.000	59.01	0.000	59.54	0.000
58.49	0.000	59.02	0.000	59.55	0.000
58.50	0.000	59.03	0.000	59.56	0.000
58.51	0.000	59.04	0.000	59.57	0.000
58.52	0.000	59.05	0.000	59.58	0.000
58.53	0.000	59.06	0.000	59.59	0.000
58.54	0.000	59.07	0.000	59.60	0.000
58.55	0.000	59.08	0.000	59.61	0.000
58.56	0.000	59.09	0.000	59.62	0.000
58.57	0.000	59.10	0.000	59.63	0.000
58.58	0.000	59.11	0.000	59.64	0.000
58.59	0.000	59.12	0.000	59.65	0.000
58.60	0.000	59.13	0.000	59.66	0.000
58.61	0.000	59.14	0.000	59.67	0.000
58.62	0.000	59.15	0.000	59.68	0.000
58.63	0.000	59.16	0.000	59.69	0.000
58.64	0.000	59.17	0.000	59.70	0.000
58.65	0.000	59.18	0.000	59.71	0.000
58.66	0.000	59.19	0.000	59.72	0.000
58.67	0.000	59.20	0.000	59.73	0.000
58.68	0.000	59.21	0.000	59.74	0.000
58.69	0.000	59.22	0.000	59.75	0.000
58.70	0.000	59.23	0.000	59.76	0.000
58.71	0.000	59.24	0.000	59.77	0.000
58.72	0.000	59.25	0.000	59.78	0.000
58.73	0.000	59.26	0.000	59.79	0.000
58.74	0.000	59.27	0.000	59.80	0.000
58.75	0.000	59.28	0.000	59.81	0.000
58.76	0.000	59.29	0.000	59.82	0.000
58.77	0.000	59.30	0.000	59.83	0.000
58.78	0.000	59.31	0.000	59.84	0.000
58.79	0.000	59.32	0.000	59.85	0.000
58.80	0.000	59.33	0.000	59.86	0.000
58.81	0.000	59.34	0.000	59.87	0.000
58.82	0.000	59.35	0.000	59.88	0.000
58.83	0.000	59.36	0.000	59.89	0.000
58.84	0.000	59.37	0.000	59.90	0.000
58.85	0.000	59.38	0.000	59.91	0.000
58.86	0.000	59.39	0.000	59.92	0.000
58.87	0.000	59.40	0.000	59.93	0.000
58.88	0.000	59.41	0.000	59.94	0.000
58.89	0.000	59.42	0.000	59.95	0.000
58.90	0.000	59.43	0.000	59.96	0.000
58.91	0.000	59.44	0.000		
58.92	0.000	59.45	0.000		
58.93	0.000	59.46	0.000		
58.94	0.000	59.47	0.000		
58.95	0.000	59.48	0.000		
58.96	0.000	59.49	0.000		
58.97	0.000	59.50	0.000		
58.98	0.000	59.51	0.000		

Summary for Pond 120P: DMH 67

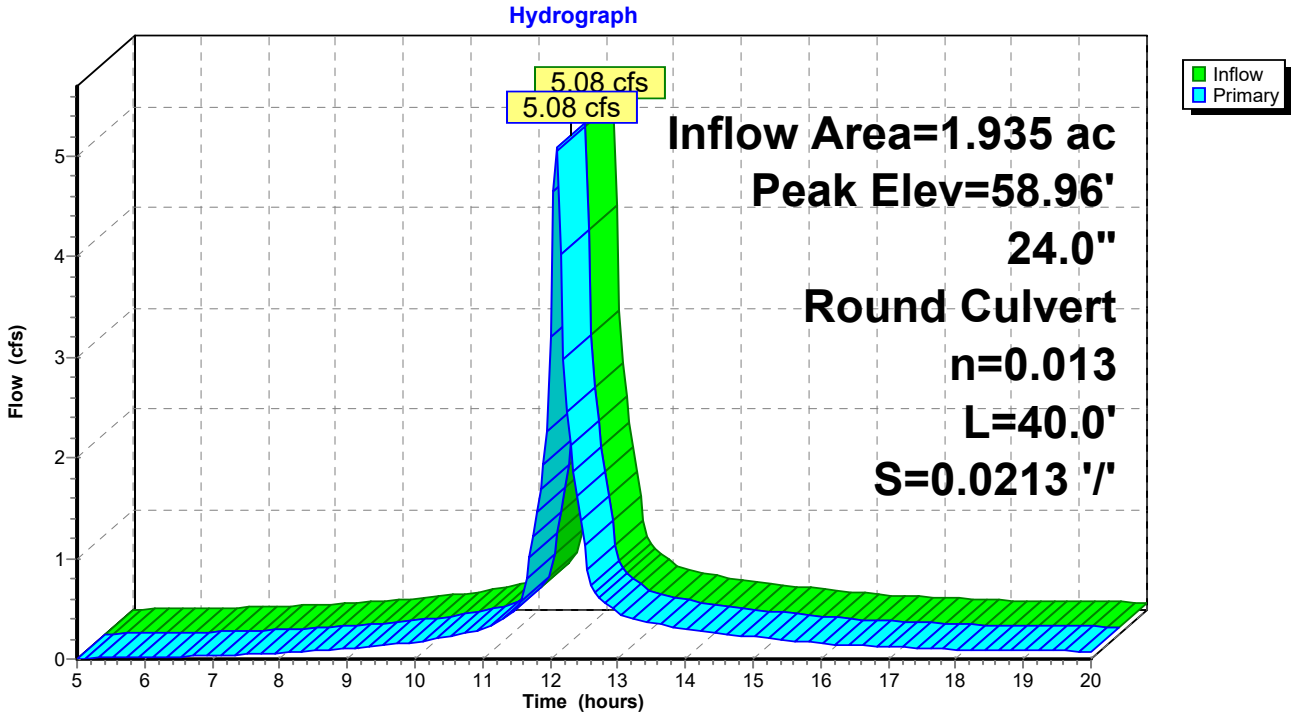
Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 2.23" for 2-Year event
Inflow = 5.08 cfs @ 12.09 hrs, Volume= 0.360 af
Outflow = 5.08 cfs @ 12.09 hrs, Volume= 0.360 af, Atten= 0%, Lag= 0.0 min
Primary = 5.08 cfs @ 12.09 hrs, Volume= 0.360 af
Routed to Pond 210P : DMH 68

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.85'	**24.0" Round Culvert** L= 40.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.85' / 57.00' S= 0.0213 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.96 cfs @ 12.09 hrs HW=58.95' (Free Discharge)
1=Culvert (Inlet Controls 4.96 cfs @ 2.81 fps)

Pond 120P: DMH 67



Stage-Area-Storage for Pond 120P: DMH 67

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.85	**0.000**	58.91	0.000
57.87	0.000	58.93	0.000
57.89	0.000	58.95	0.000
57.91	0.000	58.97	0.000
57.93	0.000	58.99	0.000
57.95	0.000	59.01	0.000
57.97	0.000	59.03	0.000
57.99	0.000	59.05	0.000
58.01	0.000	59.07	0.000
58.03	0.000	59.09	0.000
58.05	0.000	59.11	0.000
58.07	0.000	59.13	0.000
58.09	0.000	59.15	0.000
58.11	0.000	59.17	0.000
58.13	0.000	59.19	0.000
58.15	0.000	59.21	0.000
58.17	0.000	59.23	0.000
58.19	0.000	59.25	0.000
58.21	0.000	59.27	0.000
58.23	0.000	59.29	0.000
58.25	0.000	59.31	0.000
58.27	0.000	59.33	0.000
58.29	0.000	59.35	0.000
58.31	0.000	59.37	0.000
58.33	0.000	59.39	0.000
58.35	0.000	59.41	0.000
58.37	0.000	59.43	0.000
58.39	0.000	59.45	0.000
58.41	0.000	59.47	0.000
58.43	0.000	59.49	0.000
58.45	0.000	59.51	0.000
58.47	0.000	59.53	0.000
58.49	0.000	59.55	0.000
58.51	0.000	59.57	0.000
58.53	0.000	59.59	0.000
58.55	0.000	59.61	0.000
58.57	0.000	59.63	0.000
58.59	0.000	59.65	0.000
58.61	0.000	59.67	0.000
58.63	0.000	59.69	0.000
58.65	0.000	59.71	0.000
58.67	0.000	59.73	0.000
58.69	0.000	59.75	0.000
58.71	0.000	59.77	0.000
58.73	0.000	59.79	0.000
58.75	0.000	59.81	0.000
58.77	0.000	59.83	0.000
58.79	0.000	59.85	0.000
58.81	0.000		
58.83	0.000		
58.85	0.000		
58.87	0.000		
58.89	0.000		

Summary for Pond 122P: CB 46

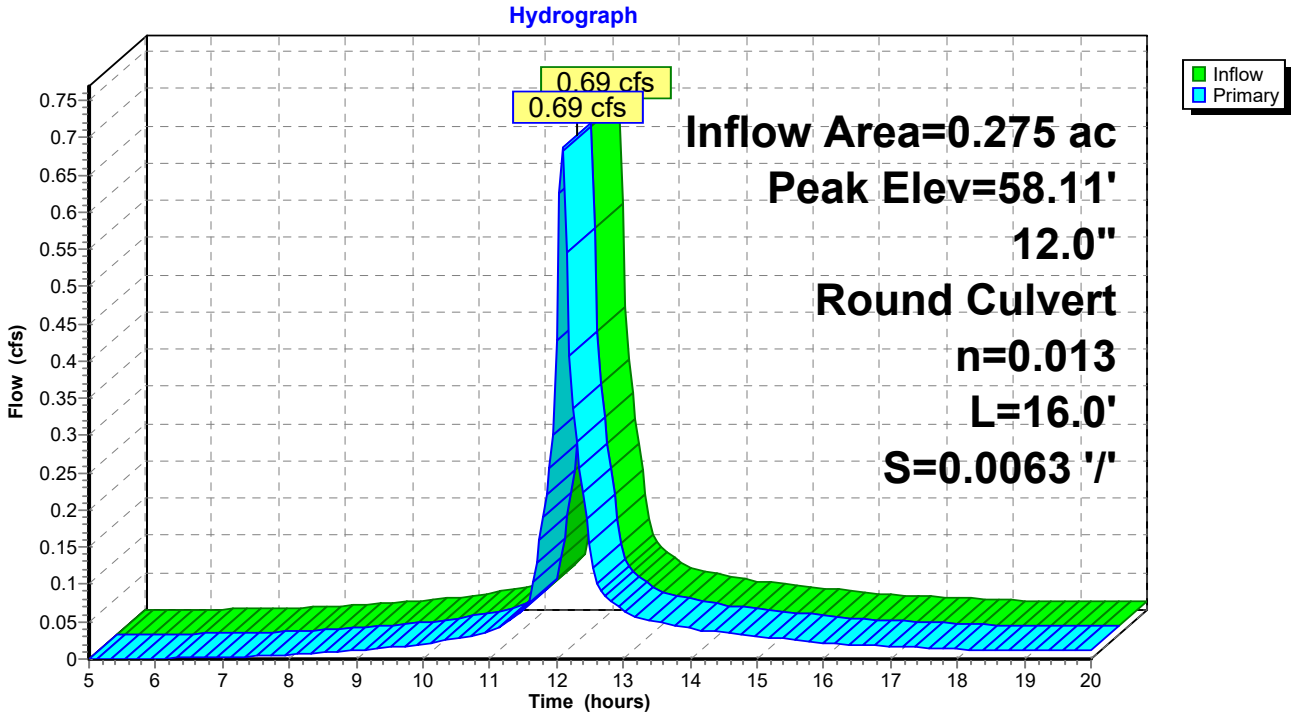
Inflow Area = 0.275 ac, 72.42% Impervious, Inflow Depth > 2.08" for 2-Year event
Inflow = 0.69 cfs @ 12.09 hrs, Volume= 0.048 af
Outflow = 0.69 cfs @ 12.09 hrs, Volume= 0.048 af, Atten= 0%, Lag= 0.0 min
Primary = 0.69 cfs @ 12.09 hrs, Volume= 0.048 af
Routed to Pond 123P : DMH 31

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.11' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.59'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.59' / 57.49' S= 0.0063 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.67 cfs @ 12.09 hrs HW=58.10' (Free Discharge)
1=Culvert (Barrel Controls 0.67 cfs @ 2.41 fps)

Pond 122P: CB 46



Stage-Area-Storage for Pond 122P: CB 46

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.59	**0.000**	58.12	0.000
57.60	0.000	58.13	0.000
57.61	0.000	58.14	0.000
57.62	0.000	58.15	0.000
57.63	0.000	58.16	0.000
57.64	0.000	58.17	0.000
57.65	0.000	58.18	0.000
57.66	0.000	58.19	0.000
57.67	0.000	58.20	0.000
57.68	0.000	58.21	0.000
57.69	0.000	58.22	0.000
57.70	0.000	58.23	0.000
57.71	0.000	58.24	0.000
57.72	0.000	58.25	0.000
57.73	0.000	58.26	0.000
57.74	0.000	58.27	0.000
57.75	0.000	58.28	0.000
57.76	0.000	58.29	0.000
57.77	0.000	58.30	0.000
57.78	0.000	58.31	0.000
57.79	0.000	58.32	0.000
57.80	0.000	58.33	0.000
57.81	0.000	58.34	0.000
57.82	0.000	58.35	0.000
57.83	0.000	58.36	0.000
57.84	0.000	58.37	0.000
57.85	0.000	58.38	0.000
57.86	0.000	58.39	0.000
57.87	0.000	58.40	0.000
57.88	0.000	58.41	0.000
57.89	0.000	58.42	0.000
57.90	0.000	58.43	0.000
57.91	0.000	58.44	0.000
57.92	0.000	58.45	0.000
57.93	0.000	58.46	0.000
57.94	0.000	58.47	0.000
57.95	0.000	58.48	0.000
57.96	0.000	58.49	0.000
57.97	0.000	58.50	0.000
57.98	0.000	58.51	0.000
57.99	0.000	58.52	0.000
58.00	0.000	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000		
58.08	0.000		
58.09	0.000		
58.10	0.000		
58.11	0.000		

Summary for Pond 123P: DMH 31

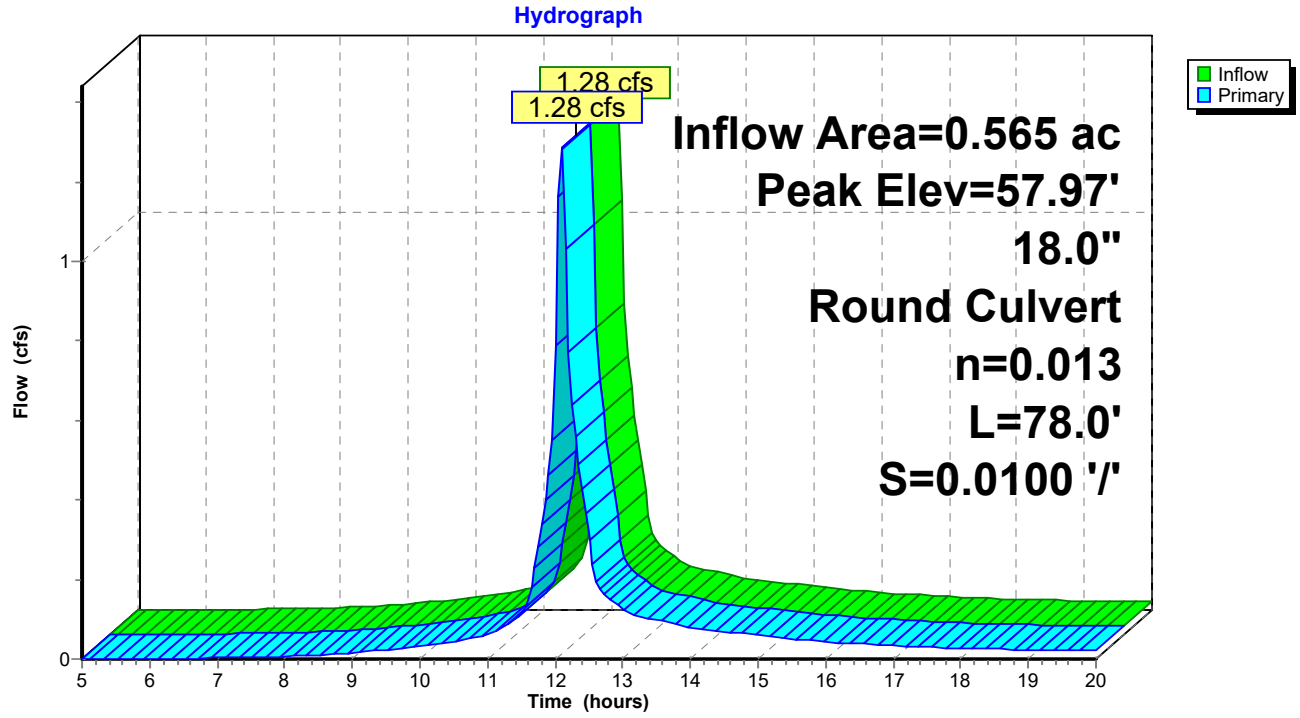
Inflow Area = 0.565 ac, 65.31% Impervious, Inflow Depth > 1.87" for 2-Year event
Inflow = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af
Outflow = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af
Routed to Pond 124P : DMH 32

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.39'	**18.0" Round Culvert** L= 78.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.39' / 56.61' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.26 cfs @ 12.09 hrs HW=57.96' (Free Discharge)
1=Culvert (Inlet Controls 1.26 cfs @ 2.03 fps)

Pond 123P: DMH 31



Stage-Area-Storage for Pond 123P: DMH 31

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.39	**0.000**	57.92	0.000	58.45	0.000
57.40	0.000	57.93	0.000	58.46	0.000
57.41	0.000	57.94	0.000	58.47	0.000
57.42	0.000	57.95	0.000	58.48	0.000
57.43	0.000	57.96	0.000	58.49	0.000
57.44	0.000	57.97	0.000	58.50	0.000
57.45	0.000	57.98	0.000	58.51	0.000
57.46	0.000	57.99	0.000	58.52	0.000
57.47	0.000	58.00	0.000	58.53	0.000
57.48	0.000	58.01	0.000	58.54	0.000
57.49	0.000	58.02	0.000	58.55	0.000
57.50	0.000	58.03	0.000	58.56	0.000
57.51	0.000	58.04	0.000	58.57	0.000
57.52	0.000	58.05	0.000	58.58	0.000
57.53	0.000	58.06	0.000	58.59	0.000
57.54	0.000	58.07	0.000	58.60	0.000
57.55	0.000	58.08	0.000	58.61	0.000
57.56	0.000	58.09	0.000	58.62	0.000
57.57	0.000	58.10	0.000	58.63	0.000
57.58	0.000	58.11	0.000	58.64	0.000
57.59	0.000	58.12	0.000	58.65	0.000
57.60	0.000	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000		
57.85	0.000	58.38	0.000		
57.86	0.000	58.39	0.000		
57.87	0.000	58.40	0.000		
57.88	0.000	58.41	0.000		
57.89	0.000	58.42	0.000		
57.90	0.000	58.43	0.000		
57.91	0.000	58.44	0.000		

Summary for Pond 124P: DMH 32

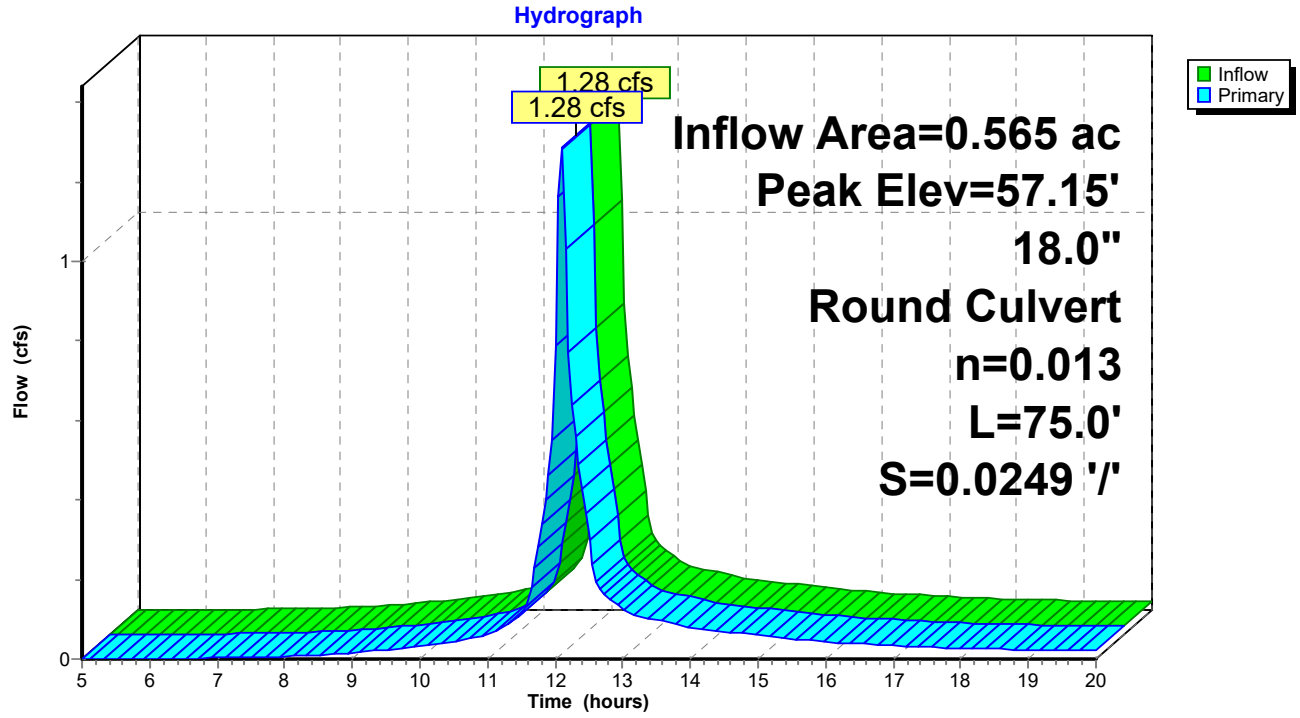
Inflow Area = 0.565 ac, 65.31% Impervious, Inflow Depth > 1.87" for 2-Year event
Inflow = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af
Outflow = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af
Routed to Pond 206P : DMH 34

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.15' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.57'	**18.0" Round Culvert** L= 75.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.57' / 54.70' S= 0.0249 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.26 cfs @ 12.09 hrs HW=57.14' (Free Discharge)
1=Culvert (Inlet Controls 1.26 cfs @ 2.03 fps)

Pond 124P: DMH 32



Stage-Area-Storage for Pond 124P: DMH 32

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.57	**0.000**	57.10	0.000	57.63	0.000
56.58	0.000	57.11	0.000	57.64	0.000
56.59	0.000	57.12	0.000	57.65	0.000
56.60	0.000	57.13	0.000	57.66	0.000
56.61	0.000	57.14	0.000	57.67	0.000
56.62	0.000	57.15	0.000	57.68	0.000
56.63	0.000	57.16	0.000	57.69	0.000
56.64	0.000	57.17	0.000	57.70	0.000
56.65	0.000	57.18	0.000	57.71	0.000
56.66	0.000	57.19	0.000	57.72	0.000
56.67	0.000	57.20	0.000	57.73	0.000
56.68	0.000	57.21	0.000	57.74	0.000
56.69	0.000	57.22	0.000	57.75	0.000
56.70	0.000	57.23	0.000	57.76	0.000
56.71	0.000	57.24	0.000	57.77	0.000
56.72	0.000	57.25	0.000	57.78	0.000
56.73	0.000	57.26	0.000	57.79	0.000
56.74	0.000	57.27	0.000	57.80	0.000
56.75	0.000	57.28	0.000	57.81	0.000
56.76	0.000	57.29	0.000	57.82	0.000
56.77	0.000	57.30	0.000	57.83	0.000
56.78	0.000	57.31	0.000	57.84	0.000
56.79	0.000	57.32	0.000	57.85	0.000
56.80	0.000	57.33	0.000	57.86	0.000
56.81	0.000	57.34	0.000	57.87	0.000
56.82	0.000	57.35	0.000	57.88	0.000
56.83	0.000	57.36	0.000	57.89	0.000
56.84	0.000	57.37	0.000	57.90	0.000
56.85	0.000	57.38	0.000	57.91	0.000
56.86	0.000	57.39	0.000	57.92	0.000
56.87	0.000	57.40	0.000	57.93	0.000
56.88	0.000	57.41	0.000	57.94	0.000
56.89	0.000	57.42	0.000	57.95	0.000
56.90	0.000	57.43	0.000	57.96	0.000
56.91	0.000	57.44	0.000	57.97	0.000
56.92	0.000	57.45	0.000	57.98	0.000
56.93	0.000	57.46	0.000	57.99	0.000
56.94	0.000	57.47	0.000	58.00	0.000
56.95	0.000	57.48	0.000	58.01	0.000
56.96	0.000	57.49	0.000	58.02	0.000
56.97	0.000	57.50	0.000	58.03	0.000
56.98	0.000	57.51	0.000	58.04	0.000
56.99	0.000	57.52	0.000	58.05	0.000
57.00	0.000	57.53	0.000	58.06	0.000
57.01	0.000	57.54	0.000	58.07	0.000
57.02	0.000	57.55	0.000		
57.03	0.000	57.56	0.000		
57.04	0.000	57.57	0.000		
57.05	0.000	57.58	0.000		
57.06	0.000	57.59	0.000		
57.07	0.000	57.60	0.000		
57.08	0.000	57.61	0.000		
57.09	0.000	57.62	0.000		

Summary for Pond 125P: CB 36

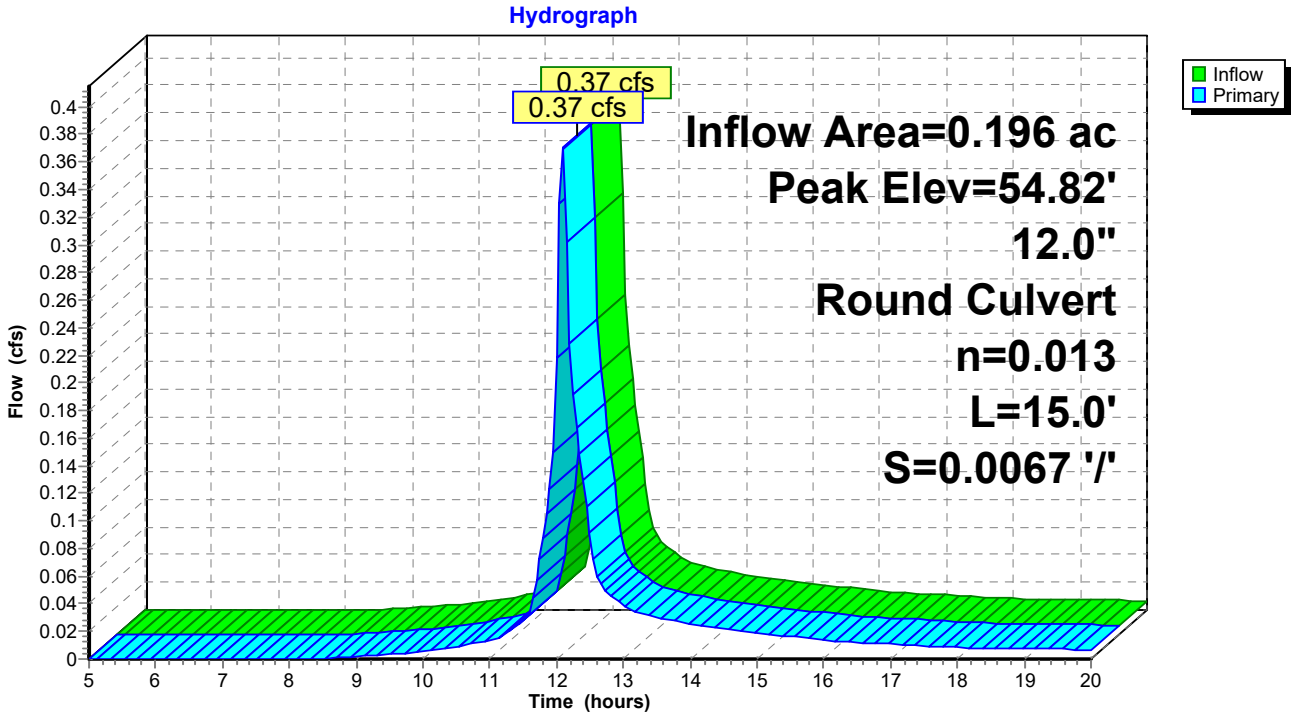
Inflow Area = 0.196 ac, 76.76% Impervious, Inflow Depth > 1.53" for 2-Year event
Inflow = 0.37 cfs @ 12.09 hrs, Volume= 0.025 af
Outflow = 0.37 cfs @ 12.09 hrs, Volume= 0.025 af, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 12.09 hrs, Volume= 0.025 af
Routed to Pond 127P : DMH 26

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.82' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.45'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.45' / 54.35' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.36 cfs @ 12.09 hrs HW=54.81' (Free Discharge)
1=Culvert (Barrel Controls 0.36 cfs @ 2.11 fps)

Pond 125P: CB 36



Stage-Area-Storage for Pond 125P: CB 36

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.45	**0.000**	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000		
54.94	0.000		
54.95	0.000		
54.96	0.000		
54.97	0.000		

Summary for Pond 126P: CB 37

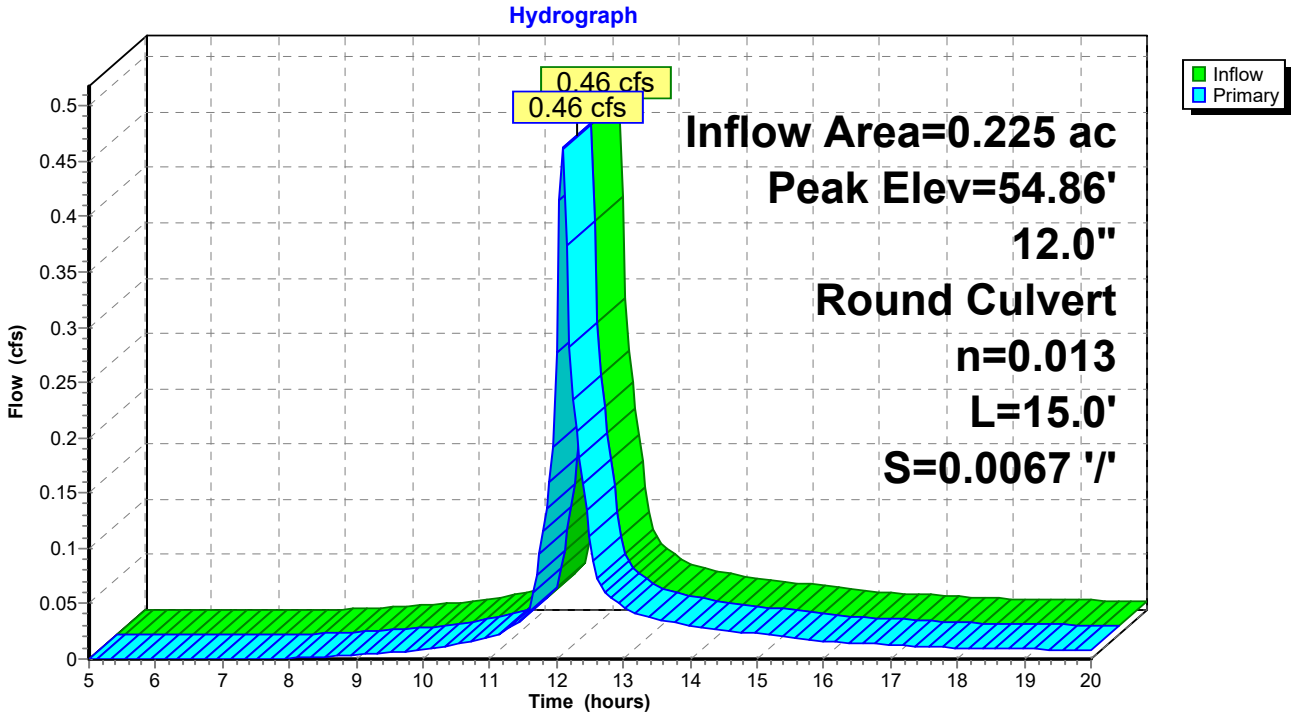
Inflow Area = 0.225 ac, 79.18% Impervious, Inflow Depth > 1.67" for 2-Year event
Inflow = 0.46 cfs @ 12.09 hrs, Volume= 0.031 af
Outflow = 0.46 cfs @ 12.09 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min
Primary = 0.46 cfs @ 12.09 hrs, Volume= 0.031 af
Routed to Pond 127P : DMH 26

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.86' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.45'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.45' / 54.35' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.45 cfs @ 12.09 hrs HW=54.86' (Free Discharge)
1=Culvert (Barrel Controls 0.45 cfs @ 2.21 fps)

Pond 126P: CB 37



Stage-Area-Storage for Pond 126P: CB 37

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.45	**0.000**	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000		
54.94	0.000		
54.95	0.000		
54.96	0.000		
54.97	0.000		

Summary for Pond 127P: DMH 26

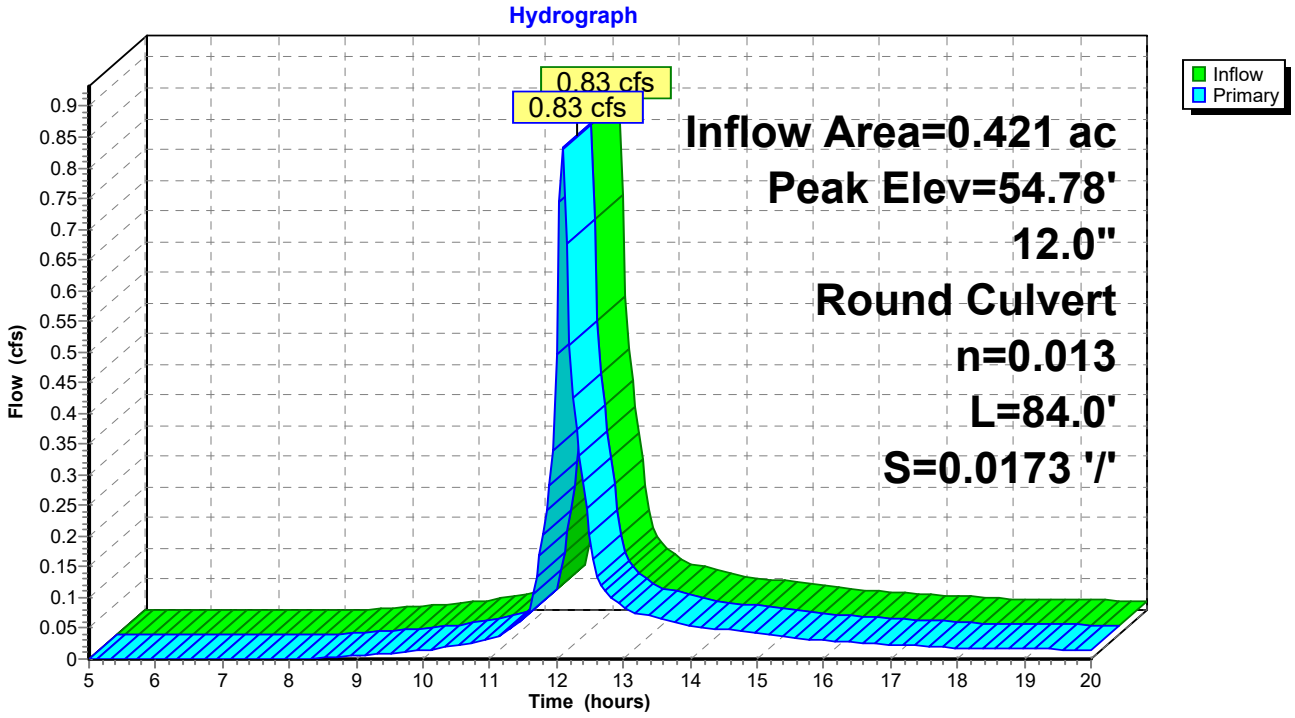
Inflow Area = 0.421 ac, 78.05% Impervious, Inflow Depth > 1.60" for 2-Year event
Inflow = 0.83 cfs @ 12.09 hrs, Volume= 0.056 af
Outflow = 0.83 cfs @ 12.09 hrs, Volume= 0.056 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.09 hrs, Volume= 0.056 af
Routed to Pond 205P : DMH 27

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.25'	**12.0" Round Culvert** L= 84.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.25' / 52.80' S= 0.0173 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.82 cfs @ 12.09 hrs HW=54.78' (Free Discharge)
1=Culvert (Inlet Controls 0.82 cfs @ 1.95 fps)

Pond 127P: DMH 26



Stage-Area-Storage for Pond 127P: DMH 26

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.25	**0.000**	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000		
54.74	0.000		
54.75	0.000		
54.76	0.000		
54.77	0.000		

Summary for Pond 128P: CB 30

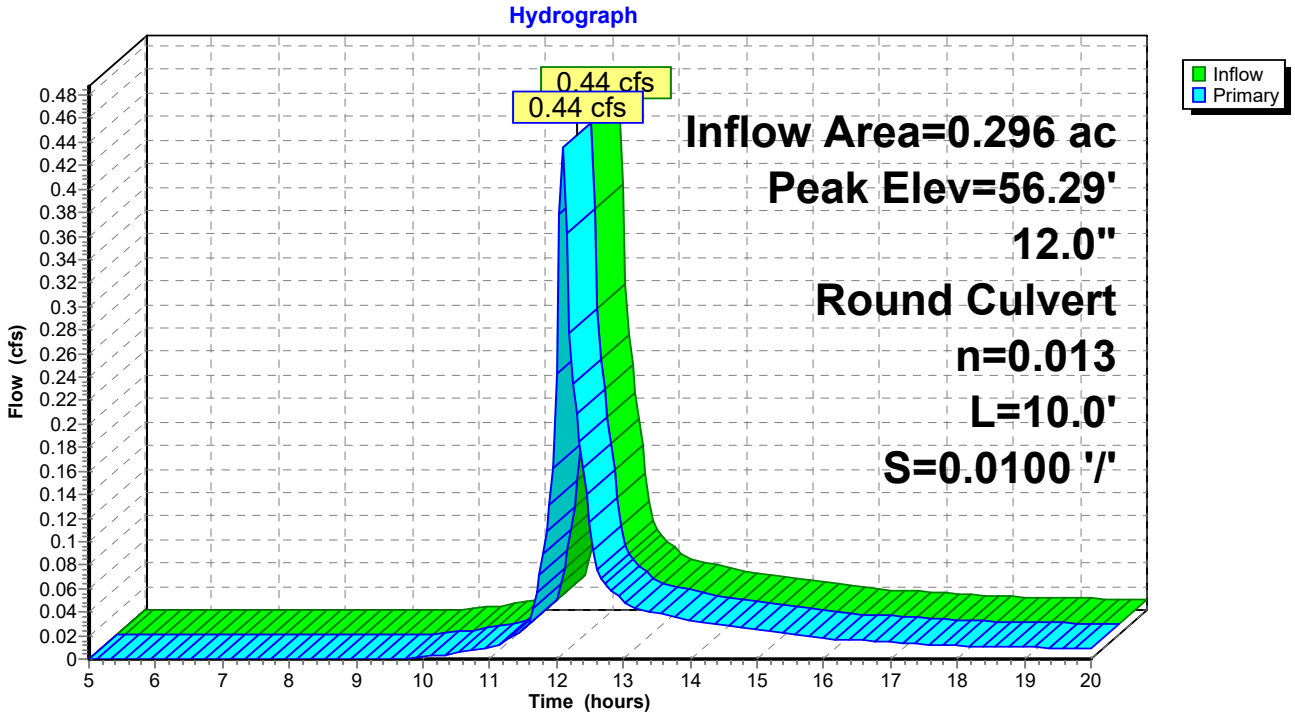
Inflow Area = 0.296 ac, 67.55% Impervious, Inflow Depth > 1.20" for 2-Year event
Inflow = 0.44 cfs @ 12.10 hrs, Volume= 0.029 af
Outflow = 0.44 cfs @ 12.10 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.10 hrs, Volume= 0.029 af
Routed to Pond 141P : DMH 23

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.29' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.90'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.90' / 55.80' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.10 hrs HW=56.29' (Free Discharge)
1=Culvert (Barrel Controls 0.43 cfs @ 2.28 fps)

Pond 128P: CB 30



Stage-Area-Storage for Pond 128P: CB 30

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.90	**0.000**	56.43	0.000
55.91	0.000	56.44	0.000
55.92	0.000	56.45	0.000
55.93	0.000	56.46	0.000
55.94	0.000	56.47	0.000
55.95	0.000	56.48	0.000
55.96	0.000	56.49	0.000
55.97	0.000	56.50	0.000
55.98	0.000	56.51	0.000
55.99	0.000	56.52	0.000
56.00	0.000	56.53	0.000
56.01	0.000	56.54	0.000
56.02	0.000	56.55	0.000
56.03	0.000	56.56	0.000
56.04	0.000	56.57	0.000
56.05	0.000	56.58	0.000
56.06	0.000	56.59	0.000
56.07	0.000	56.60	0.000
56.08	0.000	56.61	0.000
56.09	0.000	56.62	0.000
56.10	0.000	56.63	0.000
56.11	0.000	56.64	0.000
56.12	0.000	56.65	0.000
56.13	0.000	56.66	0.000
56.14	0.000	56.67	0.000
56.15	0.000	56.68	0.000
56.16	0.000	56.69	0.000
56.17	0.000	56.70	0.000
56.18	0.000	56.71	0.000
56.19	0.000	56.72	0.000
56.20	0.000	56.73	0.000
56.21	0.000	56.74	0.000
56.22	0.000	56.75	0.000
56.23	0.000	56.76	0.000
56.24	0.000	56.77	0.000
56.25	0.000	56.78	0.000
56.26	0.000	56.79	0.000
56.27	0.000	56.80	0.000
56.28	0.000	56.81	0.000
56.29	0.000	56.82	0.000
56.30	0.000	56.83	0.000
56.31	0.000	56.84	0.000
56.32	0.000	56.85	0.000
56.33	0.000	56.86	0.000
56.34	0.000	56.87	0.000
56.35	0.000	56.88	0.000
56.36	0.000	56.89	0.000
56.37	0.000	56.90	0.000
56.38	0.000		
56.39	0.000		
56.40	0.000		
56.41	0.000		
56.42	0.000		

Summary for Pond 129P: CB 34

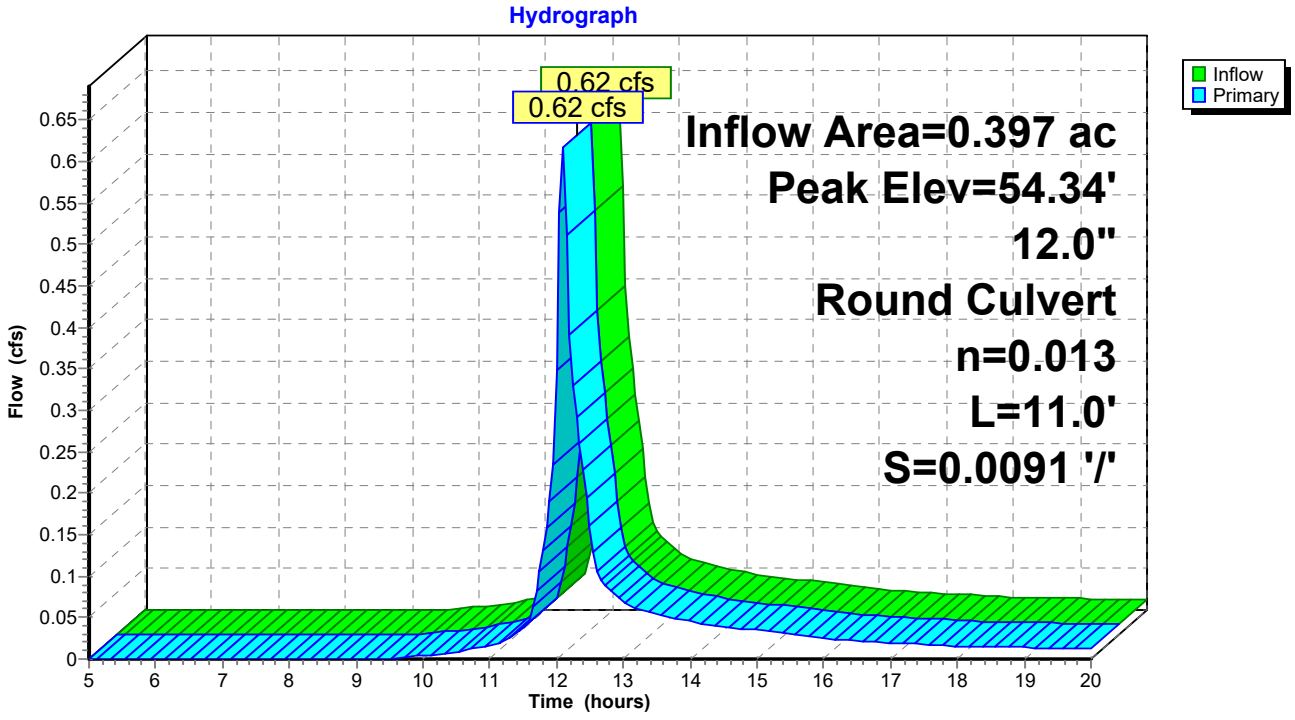
Inflow Area = 0.397 ac, 70.10% Impervious, Inflow Depth > 1.26" for 2-Year event
Inflow = 0.62 cfs @ 12.10 hrs, Volume= 0.042 af
Outflow = 0.62 cfs @ 12.10 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.62 cfs @ 12.10 hrs, Volume= 0.042 af
Routed to Pond 134P : DMH 25

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.34' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.86'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.86' / 53.76' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.10 hrs HW=54.33' (Free Discharge)
1=Culvert (Barrel Controls 0.61 cfs @ 2.43 fps)

Pond 129P: CB 34



Stage-Area-Storage for Pond 129P: CB 34

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.86	**0.000**	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000	54.72	0.000
54.20	0.000	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000		
54.35	0.000		
54.36	0.000		
54.37	0.000		
54.38	0.000		

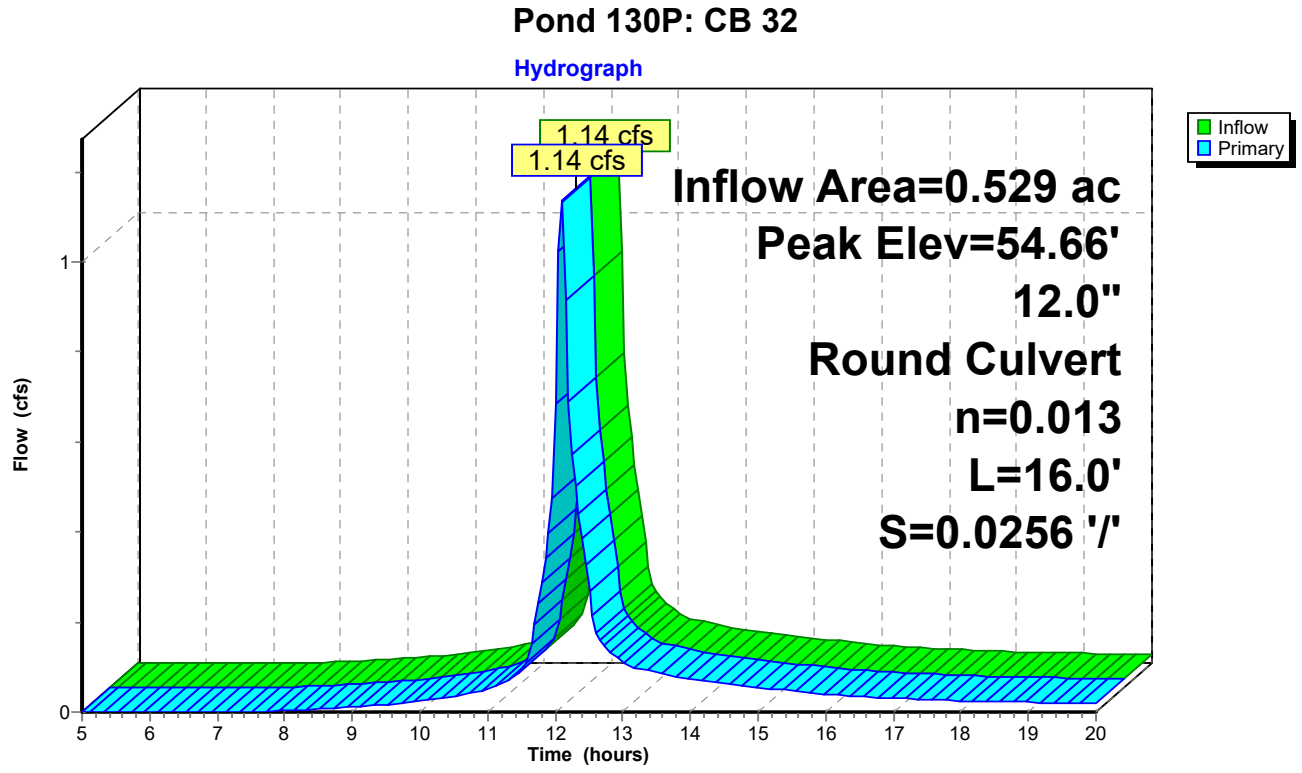
Summary for Pond 130P: CB 32

Inflow Area = 0.529 ac, 81.18% Impervious, Inflow Depth > 1.75" for 2-Year event
Inflow = 1.14 cfs @ 12.09 hrs, Volume= 0.077 af
Outflow = 1.14 cfs @ 12.09 hrs, Volume= 0.077 af, Atten= 0%, Lag= 0.0 min
Primary = 1.14 cfs @ 12.09 hrs, Volume= 0.077 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.02'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.02' / 53.61' S= 0.0256 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.11 cfs @ 12.09 hrs HW=54.65' (Free Discharge)
1=Culvert (Inlet Controls 1.11 cfs @ 2.13 fps)



Stage-Area-Storage for Pond 130P: CB 32

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.02	**0.000**	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000	54.72	0.000
54.20	0.000	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000		
54.51	0.000		
54.52	0.000		
54.53	0.000		
54.54	0.000		

Summary for Pond 131P: CB 35

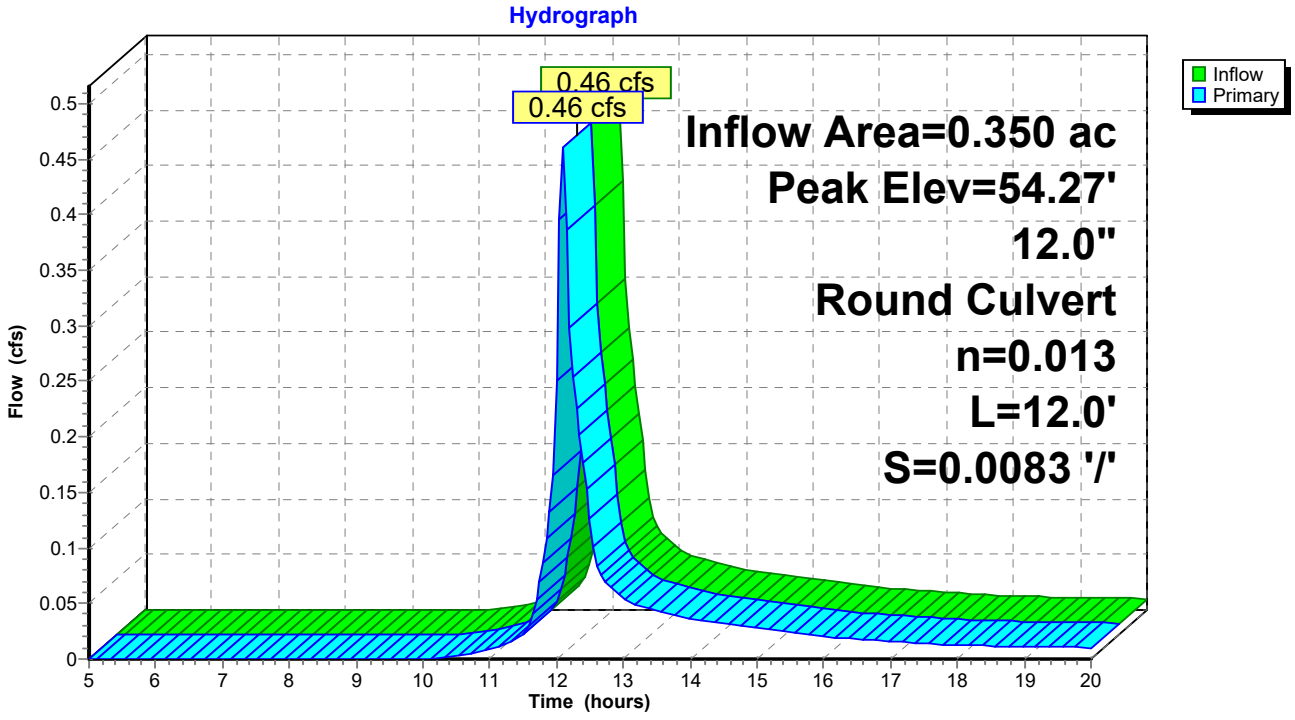
Inflow Area = 0.350 ac, 63.87% Impervious, Inflow Depth > 1.08" for 2-Year event
Inflow = 0.46 cfs @ 12.10 hrs, Volume= 0.031 af
Outflow = 0.46 cfs @ 12.10 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min
Primary = 0.46 cfs @ 12.10 hrs, Volume= 0.031 af
Routed to Pond 134P : DMH 25

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.27' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.86'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.86' / 53.76' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.46 cfs @ 12.10 hrs HW=54.27' (Free Discharge)
1=Culvert (Barrel Controls 0.46 cfs @ 2.27 fps)

Pond 131P: CB 35



Stage-Area-Storage for Pond 131P: CB 35

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.86	**0.000**	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000	54.72	0.000
54.20	0.000	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000		
54.35	0.000		
54.36	0.000		
54.37	0.000		
54.38	0.000		

Summary for Pond 132P: CB 33

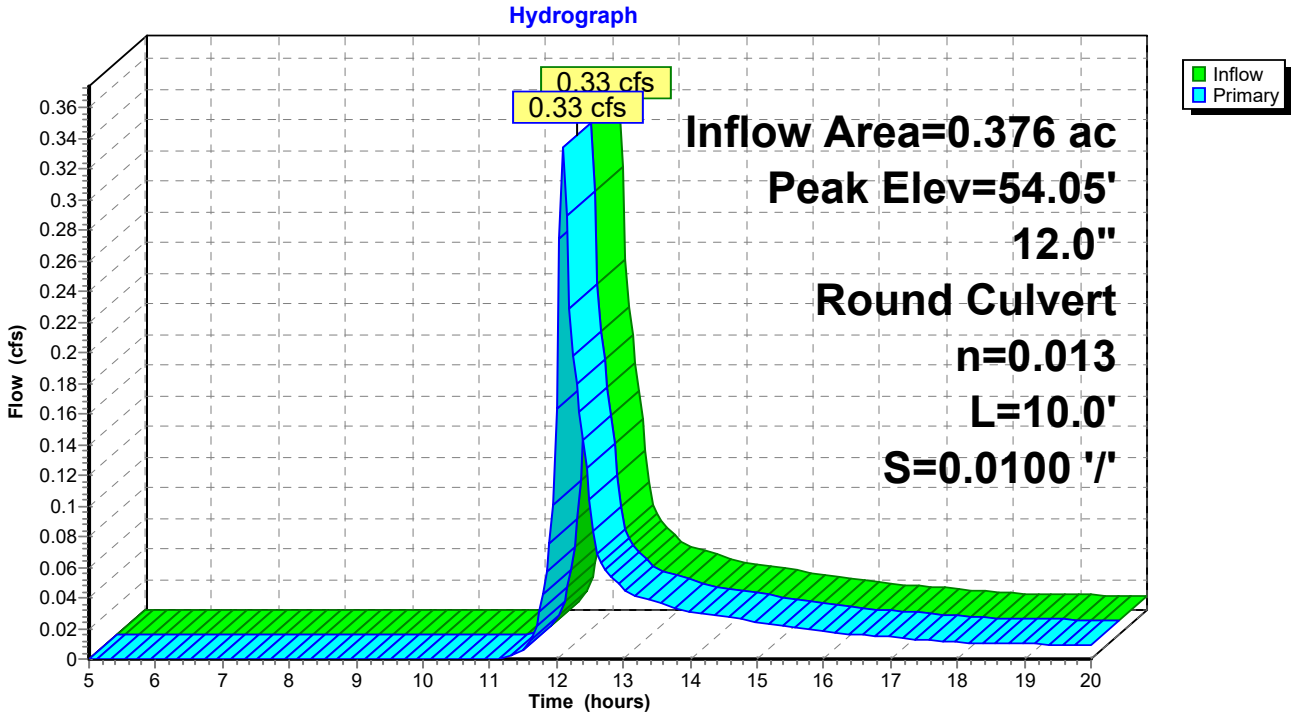
Inflow Area = 0.376 ac, 53.54% Impervious, Inflow Depth > 0.77" for 2-Year event
Inflow = 0.33 cfs @ 12.10 hrs, Volume= 0.024 af
Outflow = 0.33 cfs @ 12.10 hrs, Volume= 0.024 af, Atten= 0%, Lag= 0.0 min
Primary = 0.33 cfs @ 12.10 hrs, Volume= 0.024 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.05' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.71'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.71' / 53.61' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.33 cfs @ 12.10 hrs HW=54.04' (Free Discharge)
1=Culvert (Barrel Controls 0.33 cfs @ 2.16 fps)

Pond 132P: CB 33



Stage-Area-Storage for Pond 132P: CB 33

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.71	**0.000**	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000		
54.20	0.000		
54.21	0.000		
54.22	0.000		
54.23	0.000		

Summary for Pond 133P: DMH 24

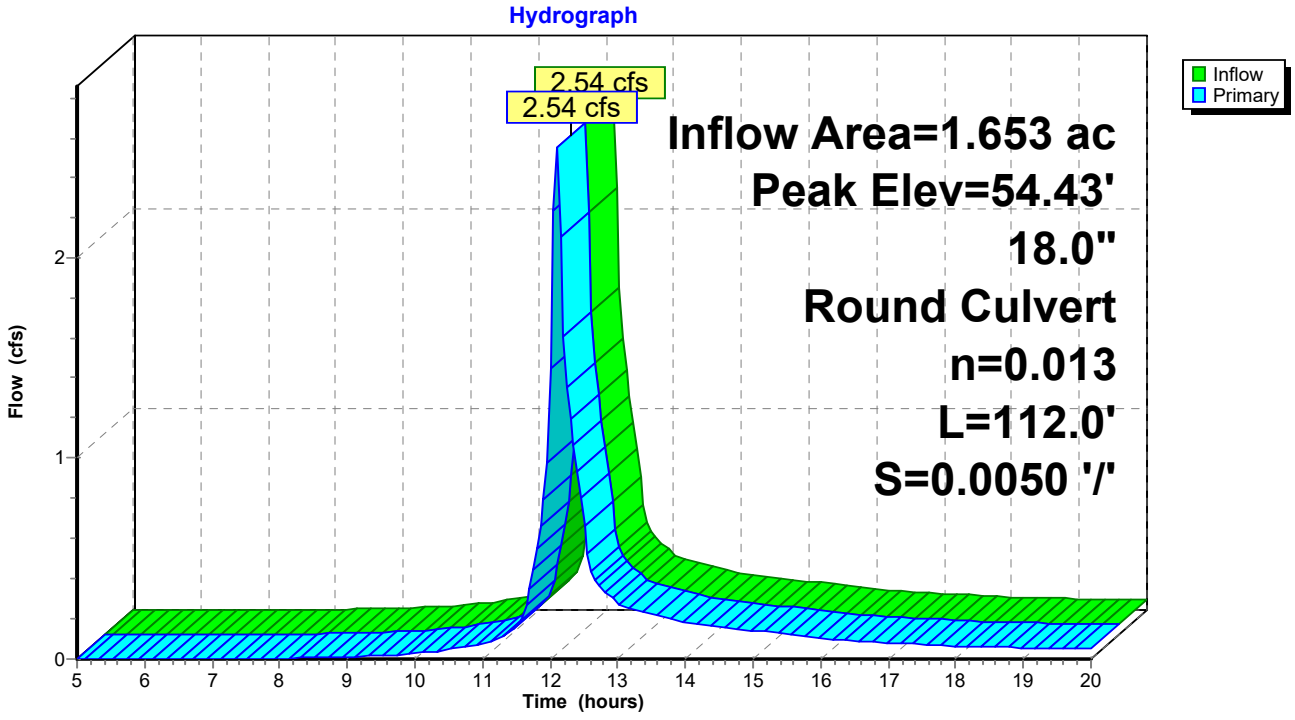
Inflow Area = 1.653 ac, 68.56% Impervious, Inflow Depth > 1.27" for 2-Year event
Inflow = 2.54 cfs @ 12.10 hrs, Volume= 0.174 af
Outflow = 2.54 cfs @ 12.10 hrs, Volume= 0.174 af, Atten= 0%, Lag= 0.0 min
Primary = 2.54 cfs @ 12.10 hrs, Volume= 0.174 af
Routed to Pond 135P : Inf. Basin 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.43' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.56'	**18.0" Round Culvert** L= 112.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.56' / 53.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.51 cfs @ 12.10 hrs HW=54.42' (Free Discharge)
1=Culvert (Barrel Controls 2.51 cfs @ 3.44 fps)

Pond 133P: DMH 24



Stage-Area-Storage for Pond 133P: DMH 24

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.56	**0.000**	54.09	0.000	54.62	0.000
53.57	0.000	54.10	0.000	54.63	0.000
53.58	0.000	54.11	0.000	54.64	0.000
53.59	0.000	54.12	0.000	54.65	0.000
53.60	0.000	54.13	0.000	54.66	0.000
53.61	0.000	54.14	0.000	54.67	0.000
53.62	0.000	54.15	0.000	54.68	0.000
53.63	0.000	54.16	0.000	54.69	0.000
53.64	0.000	54.17	0.000	54.70	0.000
53.65	0.000	54.18	0.000	54.71	0.000
53.66	0.000	54.19	0.000	54.72	0.000
53.67	0.000	54.20	0.000	54.73	0.000
53.68	0.000	54.21	0.000	54.74	0.000
53.69	0.000	54.22	0.000	54.75	0.000
53.70	0.000	54.23	0.000	54.76	0.000
53.71	0.000	54.24	0.000	54.77	0.000
53.72	0.000	54.25	0.000	54.78	0.000
53.73	0.000	54.26	0.000	54.79	0.000
53.74	0.000	54.27	0.000	54.80	0.000
53.75	0.000	54.28	0.000	54.81	0.000
53.76	0.000	54.29	0.000	54.82	0.000
53.77	0.000	54.30	0.000	54.83	0.000
53.78	0.000	54.31	0.000	54.84	0.000
53.79	0.000	54.32	0.000	54.85	0.000
53.80	0.000	54.33	0.000	54.86	0.000
53.81	0.000	54.34	0.000	54.87	0.000
53.82	0.000	54.35	0.000	54.88	0.000
53.83	0.000	54.36	0.000	54.89	0.000
53.84	0.000	54.37	0.000	54.90	0.000
53.85	0.000	54.38	0.000	54.91	0.000
53.86	0.000	54.39	0.000	54.92	0.000
53.87	0.000	54.40	0.000	54.93	0.000
53.88	0.000	54.41	0.000	54.94	0.000
53.89	0.000	54.42	0.000	54.95	0.000
53.90	0.000	54.43	0.000	54.96	0.000
53.91	0.000	54.44	0.000	54.97	0.000
53.92	0.000	54.45	0.000	54.98	0.000
53.93	0.000	54.46	0.000	54.99	0.000
53.94	0.000	54.47	0.000	55.00	0.000
53.95	0.000	54.48	0.000	55.01	0.000
53.96	0.000	54.49	0.000	55.02	0.000
53.97	0.000	54.50	0.000	55.03	0.000
53.98	0.000	54.51	0.000	55.04	0.000
53.99	0.000	54.52	0.000	55.05	0.000
54.00	0.000	54.53	0.000	55.06	0.000
54.01	0.000	54.54	0.000		
54.02	0.000	54.55	0.000		
54.03	0.000	54.56	0.000		
54.04	0.000	54.57	0.000		
54.05	0.000	54.58	0.000		
54.06	0.000	54.59	0.000		
54.07	0.000	54.60	0.000		
54.08	0.000	54.61	0.000		

Summary for Pond 134P: DMH 25

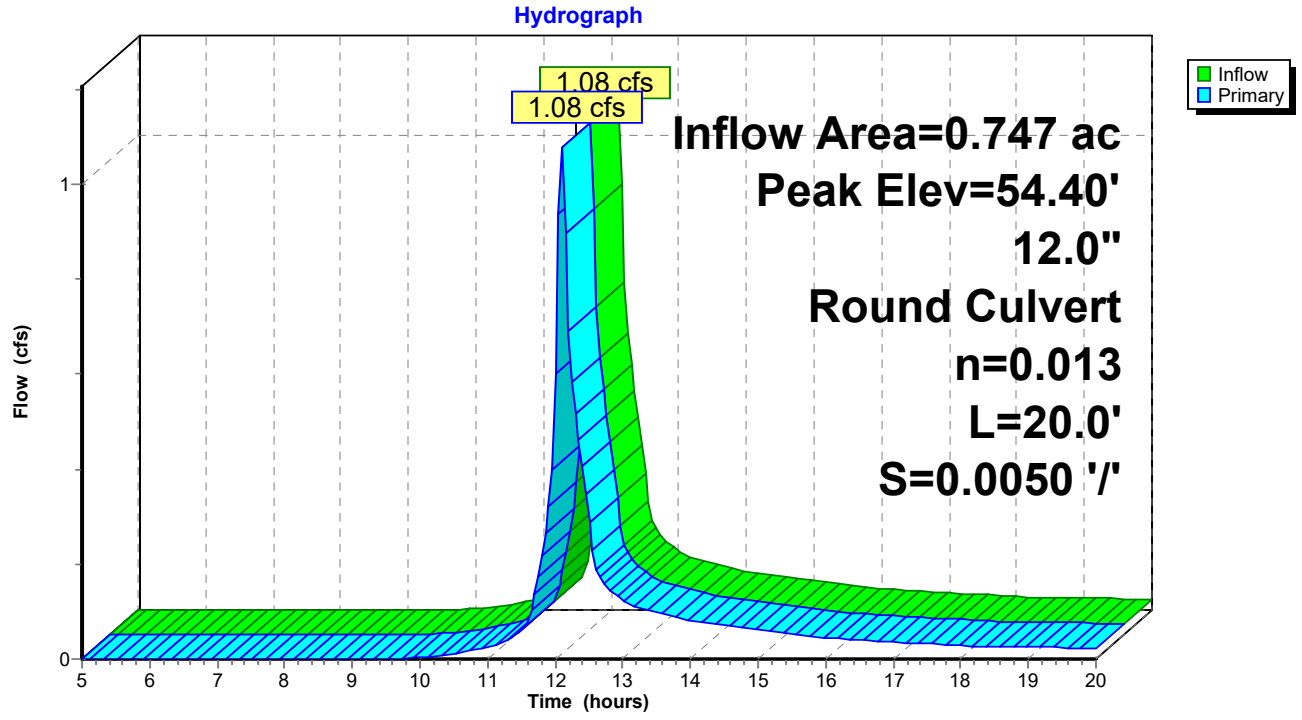
Inflow Area = 0.747 ac, 67.18% Impervious, Inflow Depth > 1.17" for 2-Year event
Inflow = 1.08 cfs @ 12.10 hrs, Volume= 0.073 af
Outflow = 1.08 cfs @ 12.10 hrs, Volume= 0.073 af, Atten= 0%, Lag= 0.0 min
Primary = 1.08 cfs @ 12.10 hrs, Volume= 0.073 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.40' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.71'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.71' / 53.61' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.07 cfs @ 12.10 hrs HW=54.39' (Free Discharge)
1=Culvert (Barrel Controls 1.07 cfs @ 2.63 fps)

Pond 134P: DMH 25



Stage-Area-Storage for Pond 134P: DMH 25

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.71	**0.000**	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000		
54.20	0.000		
54.21	0.000		
54.22	0.000		
54.23	0.000		

Summary for Pond 135P: Inf. Basin 3

Inflow Area = 2.229 ac, 60.86% Impervious, Inflow Depth > 1.13" for 2-Year event
Inflow = 3.06 cfs @ 12.10 hrs, Volume= 0.209 af
Outflow = 1.29 cfs @ 12.34 hrs, Volume= 0.209 af, Atten= 58%, Lag= 14.9 min
Discarded = 1.29 cfs @ 12.34 hrs, Volume= 0.209 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.60' @ 12.34 hrs Surf.Area= 2,993 sf Storage= 1,498 cf

Plug-Flow detention time= 7.9 min calculated for 0.209 af (100% of inflow)
Center-of-Mass det. time= 7.6 min (805.9 - 798.3)

Volume	Invert	Avail.Storage	Storage Description
#1	53.00'	21,308 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

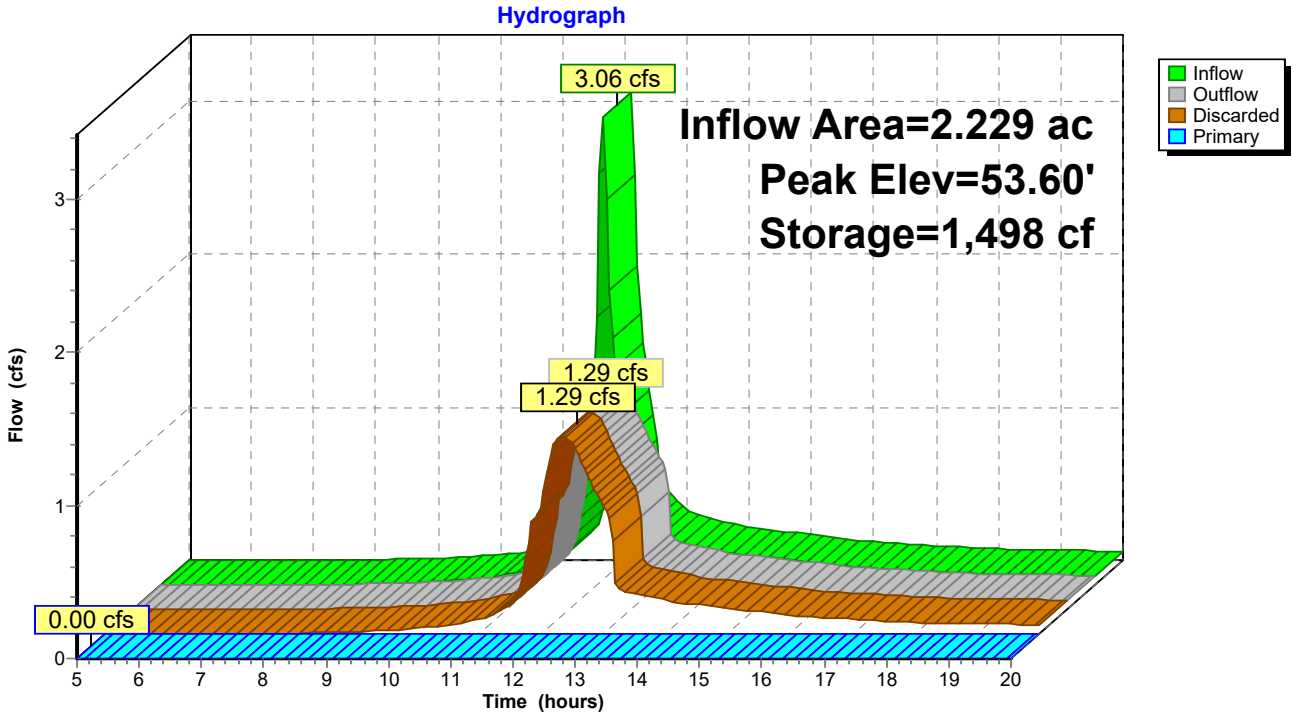
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
53.00	2,016	0	0
54.00	3,650	2,833	2,833
55.00	5,702	4,676	7,509
56.00	6,883	6,293	13,802
57.00	8,130	7,507	21,308

Device	Routing	Invert	Outlet Devices
#1	Discarded	53.00'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 51.00'
#2	Primary	53.00'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.00' / 52.00' S= 0.0400 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.40'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=1.29 cfs @ 12.34 hrs HW=53.60' (Free Discharge)
↑**1=Exfiltration** (Controls 1.29 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=53.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)
↑**3=Orifice/Grate** (Controls 0.00 cfs)

Pond 135P: Inf. Basin 3



Stage-Area-Storage for Pond 135P: Inf. Basin 3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
53.00	2,016	0
53.05	2,098	103
53.10	2,179	210
53.15	2,261	321
53.20	2,343	436
53.25	2,425	555
53.30	2,506	678
53.35	2,588	806
53.40	2,670	937
53.45	2,751	1,073
53.50	2,833	1,212
53.55	2,915	1,356
53.60	2,996	1,504
53.65	3,078	1,656
53.70	3,160	1,812
53.75	3,242	1,972
53.80	3,323	2,136
53.85	3,405	2,304
53.90	3,487	2,476
53.95	3,568	2,653
54.00	3,650	2,833
54.05	3,753	3,018
54.10	3,855	3,208
54.15	3,958	3,404
54.20	4,060	3,604
54.25	4,163	3,810
54.30	4,266	4,020
54.35	4,368	4,236
54.40	4,471	4,457
54.45	4,573	4,683
54.50	4,676	4,915
54.55	4,779	5,151
54.60	4,881	5,392
54.65	4,984	5,639
54.70	5,086	5,891
54.75	5,189	6,148
54.80	5,292	6,410
54.85	5,394	6,677
54.90	5,497	6,949
54.95	5,599	7,226
55.00	5,702	7,509
55.05	5,761	7,796
55.10	5,820	8,085
55.15	5,879	8,378
55.20	5,938	8,673
55.25	5,997	8,971
55.30	6,056	9,273
55.35	6,115	9,577
55.40	6,174	9,884
55.45	6,233	10,194
55.50	6,293	10,508
55.55	6,352	10,824
55.60	6,411	11,143
55.65	6,470	11,465
55.70	6,529	11,790
55.75	6,588	12,118
55.80	6,647	12,449
55.85	6,706	12,782
55.90	6,765	13,119
55.95	6,824	13,459
56.00	6,883	13,802
56.05	6,945	14,147
56.10	7,008	14,496
56.15	7,070	14,848
56.20	7,132	15,203
56.25	7,195	15,561
56.30	7,257	15,923
56.35	7,319	16,287
56.40	7,382	16,654
56.45	7,444	17,025
56.50	7,507	17,399
56.55	7,569	17,776
56.60	7,631	18,156
56.65	7,694	18,539
56.70	7,756	18,925
56.75	7,818	19,314
56.80	7,881	19,707
56.85	7,943	20,103
56.90	8,005	20,501
56.95	8,068	20,903
57.00	**8,130**	**21,308**

Summary for Pond 136P: CB 38

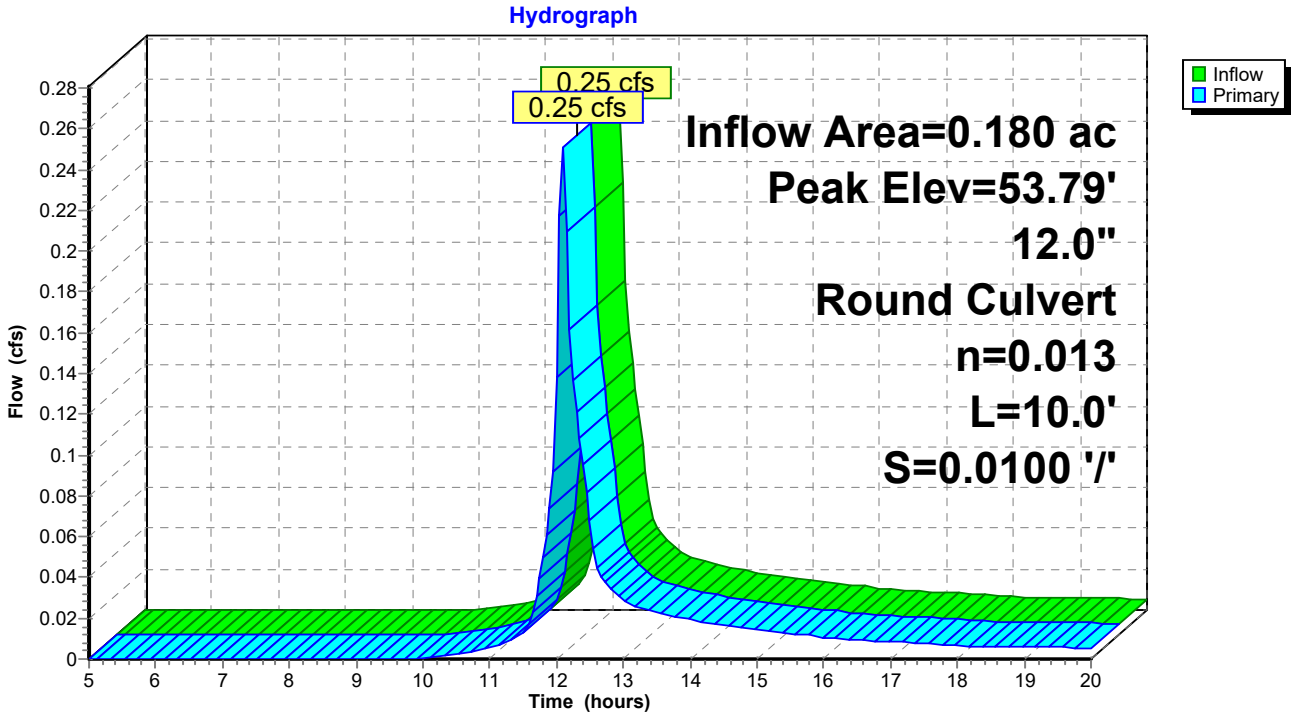
Inflow Area = 0.180 ac, 66.23% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 0.25 cfs @ 12.10 hrs, Volume= 0.017 af
Outflow = 0.25 cfs @ 12.10 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.10 hrs, Volume= 0.017 af
Routed to Pond 139P : DMH 28

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.79' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.40' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.25 cfs @ 12.10 hrs HW=53.78' (Free Discharge)
1=Culvert (Barrel Controls 0.25 cfs @ 2.03 fps)

Pond 136P: CB 38



Stage-Area-Storage for Pond 136P: CB 38

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 137P: CB

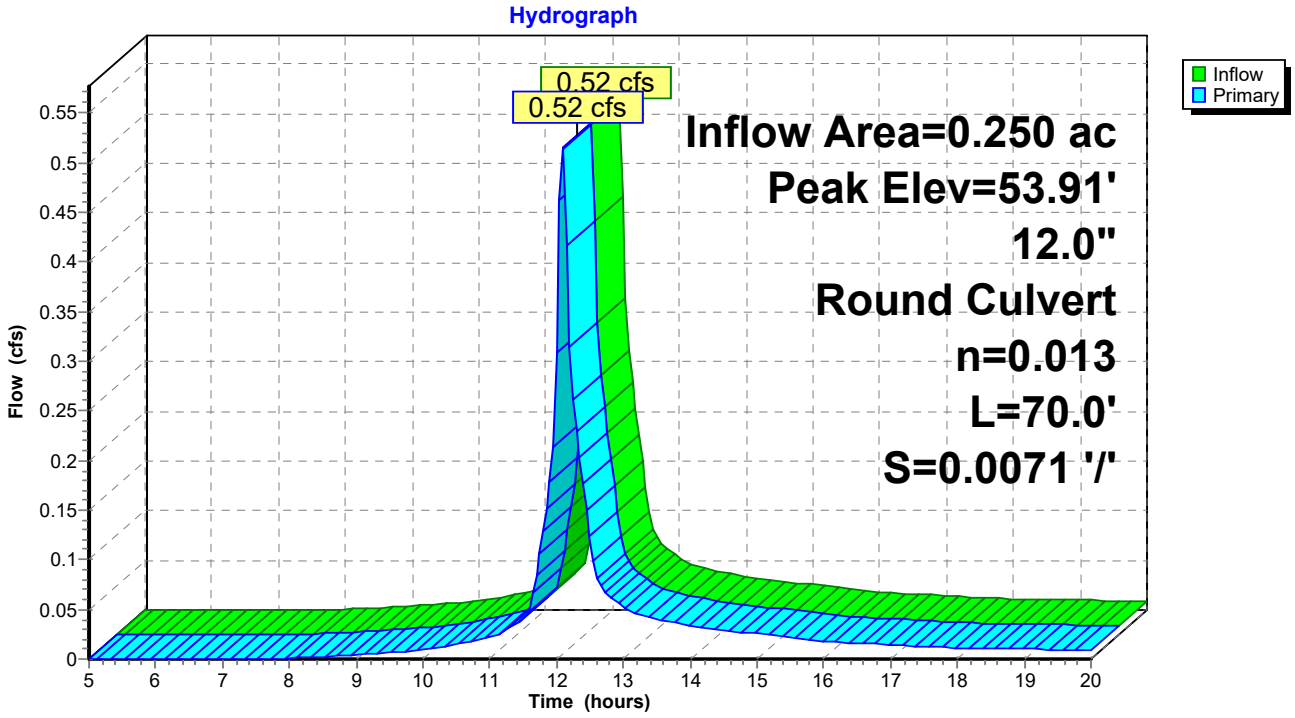
Inflow Area = 0.250 ac, 80.29% Impervious, Inflow Depth > 1.67" for 2-Year event
Inflow = 0.52 cfs @ 12.09 hrs, Volume= 0.035 af
Outflow = 0.52 cfs @ 12.09 hrs, Volume= 0.035 af, Atten= 0%, Lag= 0.0 min
Primary = 0.52 cfs @ 12.09 hrs, Volume= 0.035 af
Routed to Pond 135P : Inf. Basin 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.91' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 70.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.00' S= 0.0071 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.51 cfs @ 12.09 hrs HW=53.90' (Free Discharge)
1=Culvert (Inlet Controls 0.51 cfs @ 1.71 fps)

Pond 137P: CB



Stage-Area-Storage for Pond 137P: CB

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 138P: CB 39

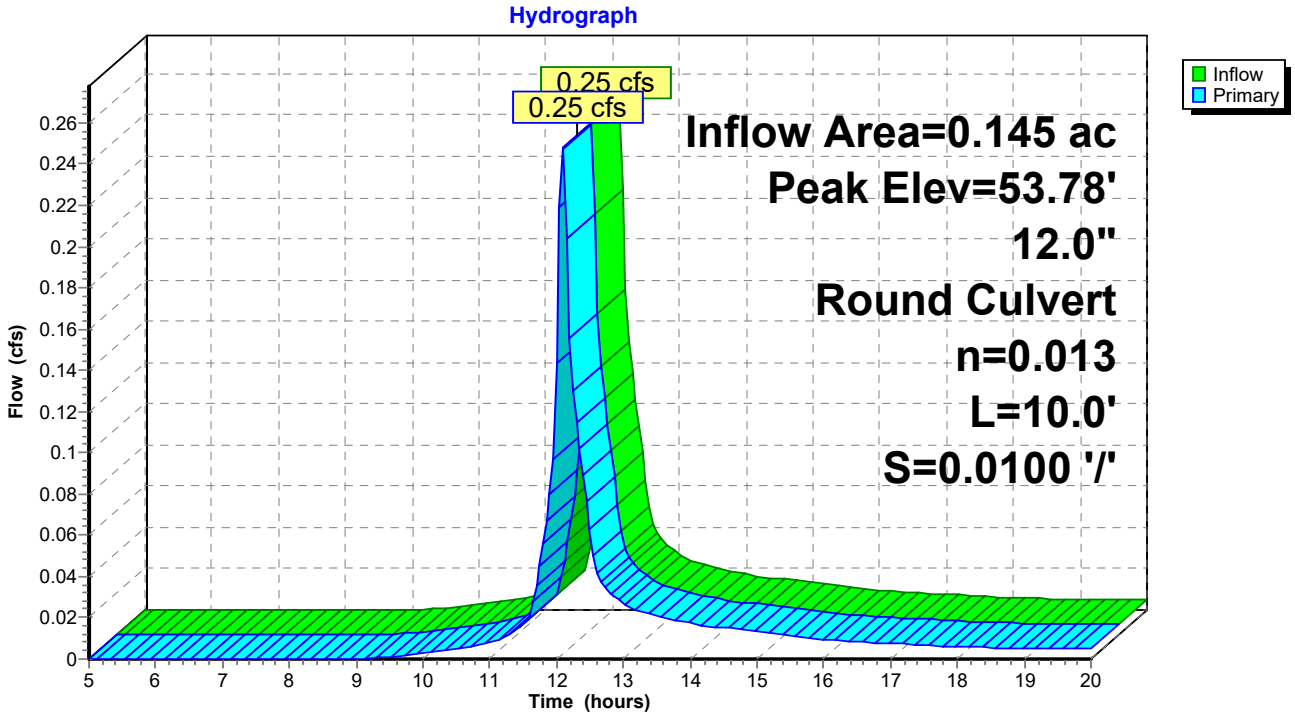
Inflow Area = 0.145 ac, 72.58% Impervious, Inflow Depth > 1.39" for 2-Year event
Inflow = 0.25 cfs @ 12.09 hrs, Volume= 0.017 af
Outflow = 0.25 cfs @ 12.09 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.09 hrs, Volume= 0.017 af
Routed to Pond 139P : DMH 28

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.40' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.24 cfs @ 12.09 hrs HW=53.78' (Free Discharge)
1=Culvert (Barrel Controls 0.24 cfs @ 2.02 fps)

Pond 138P: CB 39



Stage-Area-Storage for Pond 138P: CB 39

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 139P: DMH 28

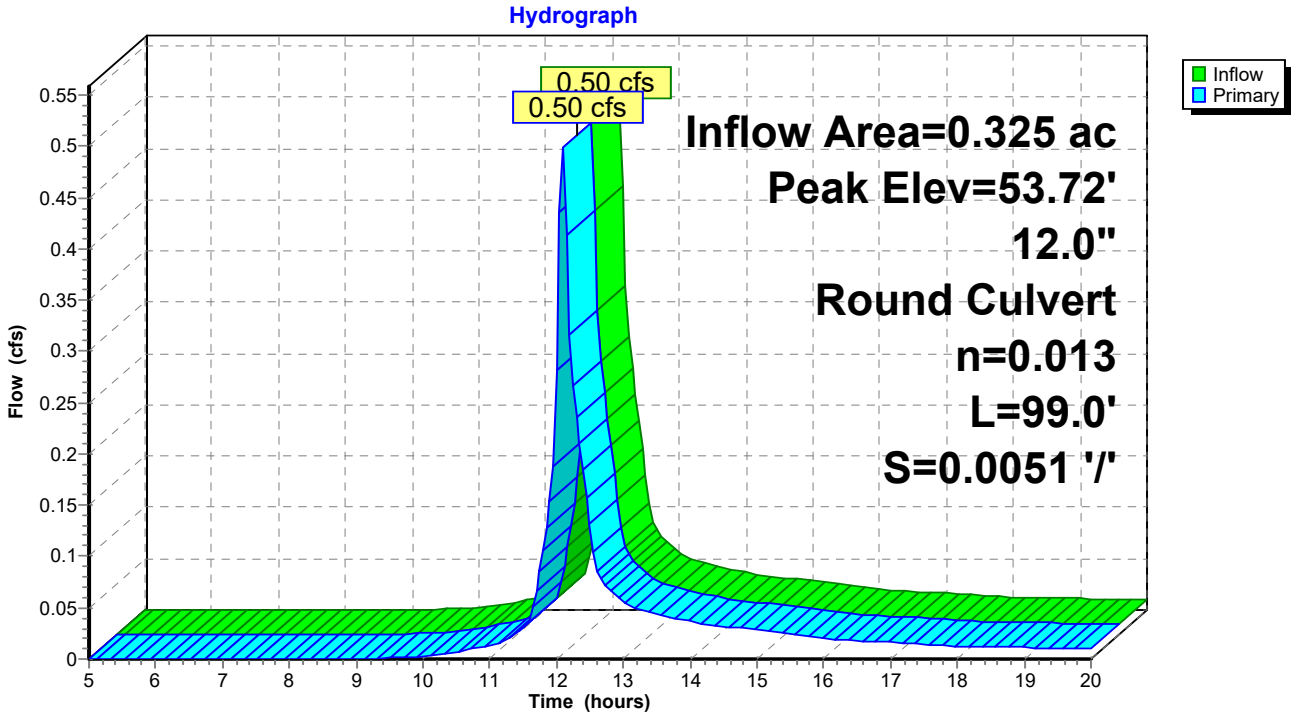
Inflow Area = 0.325 ac, 69.06% Impervious, Inflow Depth > 1.25" for 2-Year event
Inflow = 0.50 cfs @ 12.10 hrs, Volume= 0.034 af
Outflow = 0.50 cfs @ 12.10 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.0 min
Primary = 0.50 cfs @ 12.10 hrs, Volume= 0.034 af
Routed to Pond 205P : DMH 27

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.72' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.30'	**12.0" Round Culvert** L= 99.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.30' / 52.80' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.10 hrs HW=53.71' (Free Discharge)
1=Culvert (Barrel Controls 0.49 cfs @ 2.38 fps)

Pond 139P: DMH 28



Stage-Area-Storage for Pond 139P: DMH 28

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.30	**0.000**	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000		
53.79	0.000		
53.80	0.000		
53.81	0.000		
53.82	0.000		

Summary for Pond 140P: CB 31

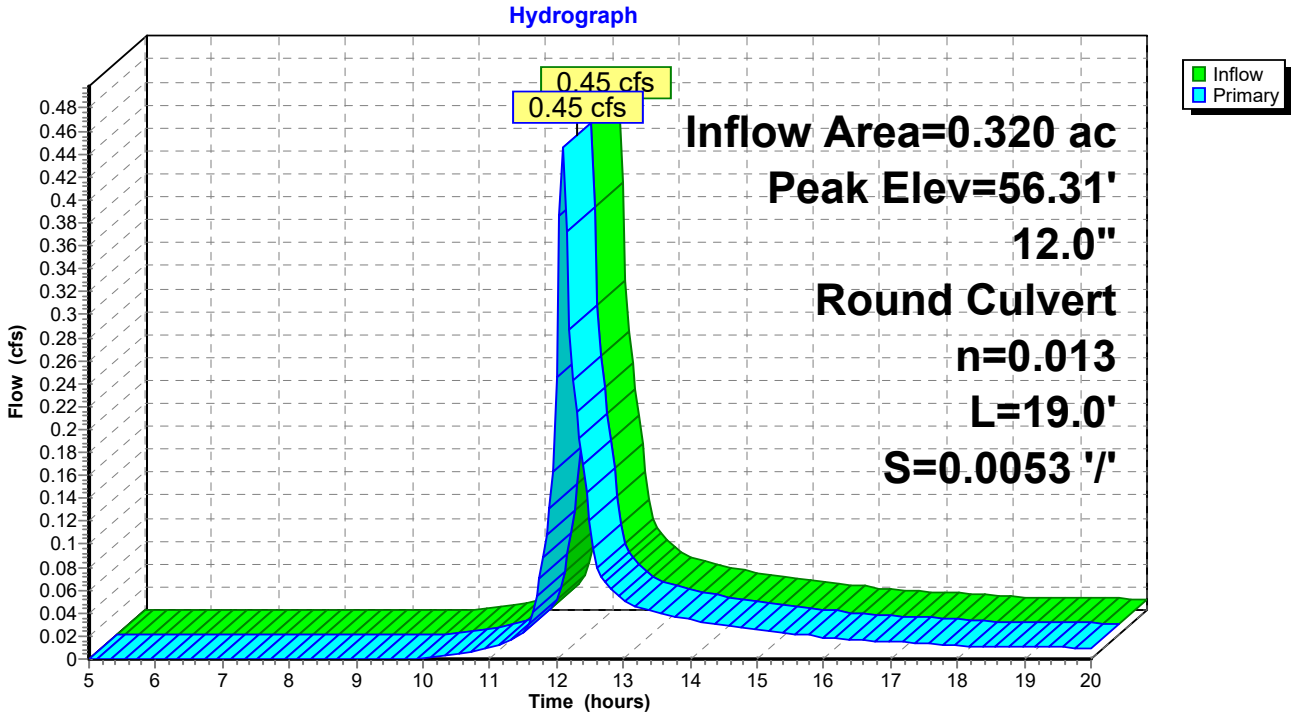
Inflow Area = 0.320 ac, 63.97% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 0.45 cfs @ 12.10 hrs, Volume= 0.030 af
Outflow = 0.45 cfs @ 12.10 hrs, Volume= 0.030 af, Atten= 0%, Lag= 0.0 min
Primary = 0.45 cfs @ 12.10 hrs, Volume= 0.030 af
Routed to Pond 141P : DMH 23

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.31' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.90'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.90' / 55.80' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.44 cfs @ 12.10 hrs HW=56.31' (Free Discharge)
1=Culvert (Barrel Controls 0.44 cfs @ 2.14 fps)

Pond 140P: CB 31



Stage-Area-Storage for Pond 140P: CB 31

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.90	**0.000**	56.43	0.000
55.91	0.000	56.44	0.000
55.92	0.000	56.45	0.000
55.93	0.000	56.46	0.000
55.94	0.000	56.47	0.000
55.95	0.000	56.48	0.000
55.96	0.000	56.49	0.000
55.97	0.000	56.50	0.000
55.98	0.000	56.51	0.000
55.99	0.000	56.52	0.000
56.00	0.000	56.53	0.000
56.01	0.000	56.54	0.000
56.02	0.000	56.55	0.000
56.03	0.000	56.56	0.000
56.04	0.000	56.57	0.000
56.05	0.000	56.58	0.000
56.06	0.000	56.59	0.000
56.07	0.000	56.60	0.000
56.08	0.000	56.61	0.000
56.09	0.000	56.62	0.000
56.10	0.000	56.63	0.000
56.11	0.000	56.64	0.000
56.12	0.000	56.65	0.000
56.13	0.000	56.66	0.000
56.14	0.000	56.67	0.000
56.15	0.000	56.68	0.000
56.16	0.000	56.69	0.000
56.17	0.000	56.70	0.000
56.18	0.000	56.71	0.000
56.19	0.000	56.72	0.000
56.20	0.000	56.73	0.000
56.21	0.000	56.74	0.000
56.22	0.000	56.75	0.000
56.23	0.000	56.76	0.000
56.24	0.000	56.77	0.000
56.25	0.000	56.78	0.000
56.26	0.000	56.79	0.000
56.27	0.000	56.80	0.000
56.28	0.000	56.81	0.000
56.29	0.000	56.82	0.000
56.30	0.000	56.83	0.000
56.31	0.000	56.84	0.000
56.32	0.000	56.85	0.000
56.33	0.000	56.86	0.000
56.34	0.000	56.87	0.000
56.35	0.000	56.88	0.000
56.36	0.000	56.89	0.000
56.37	0.000	56.90	0.000
56.38	0.000		
56.39	0.000		
56.40	0.000		
56.41	0.000		
56.42	0.000		

Summary for Pond 141P: DMH 23

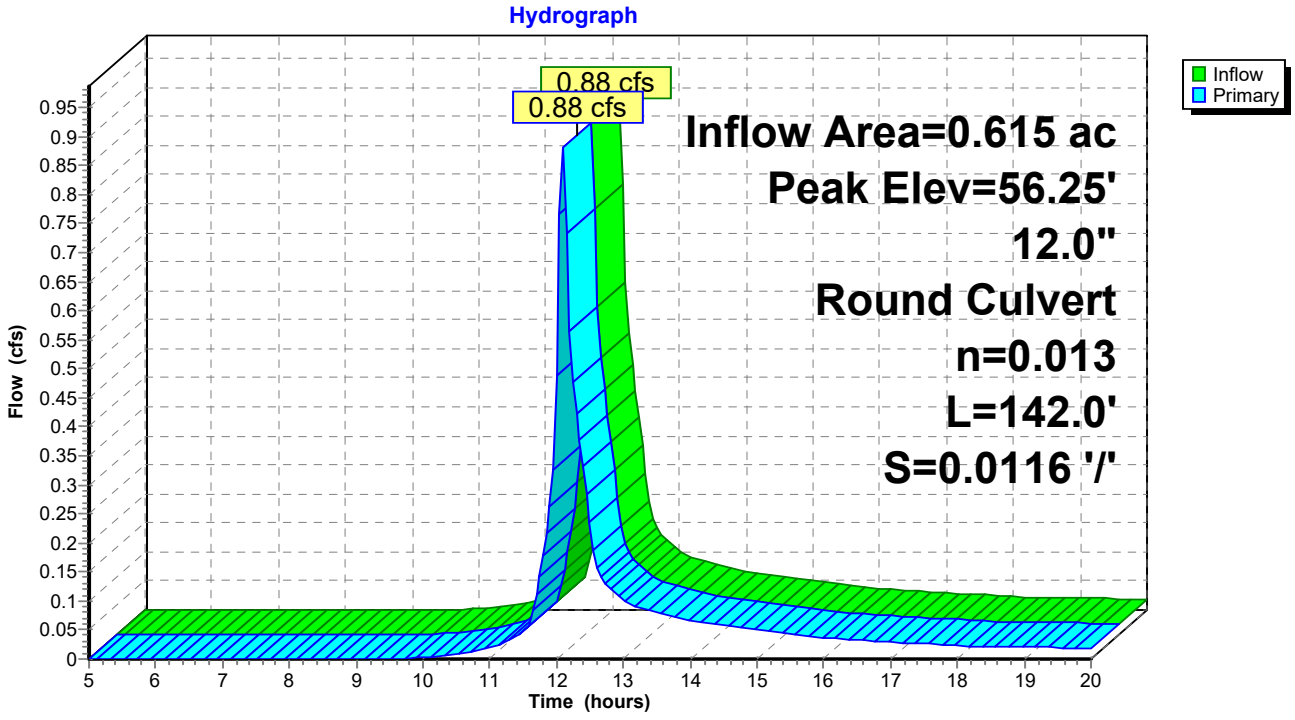
Inflow Area = 0.615 ac, 65.69% Impervious, Inflow Depth > 1.17" for 2-Year event
Inflow = 0.88 cfs @ 12.10 hrs, Volume= 0.060 af
Outflow = 0.88 cfs @ 12.10 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.88 cfs @ 12.10 hrs, Volume= 0.060 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.25' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.70'	**12.0" Round Culvert** L= 142.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.70' / 54.05' S= 0.0116 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.87 cfs @ 12.10 hrs HW=56.25' (Free Discharge)
1=Culvert (Inlet Controls 0.87 cfs @ 1.99 fps)

Pond 141P: DMH 23



Stage-Area-Storage for Pond 141P: DMH 23

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.70	**0.000**	56.23	0.000
55.71	0.000	56.24	0.000
55.72	0.000	56.25	0.000
55.73	0.000	56.26	0.000
55.74	0.000	56.27	0.000
55.75	0.000	56.28	0.000
55.76	0.000	56.29	0.000
55.77	0.000	56.30	0.000
55.78	0.000	56.31	0.000
55.79	0.000	56.32	0.000
55.80	0.000	56.33	0.000
55.81	0.000	56.34	0.000
55.82	0.000	56.35	0.000
55.83	0.000	56.36	0.000
55.84	0.000	56.37	0.000
55.85	0.000	56.38	0.000
55.86	0.000	56.39	0.000
55.87	0.000	56.40	0.000
55.88	0.000	56.41	0.000
55.89	0.000	56.42	0.000
55.90	0.000	56.43	0.000
55.91	0.000	56.44	0.000
55.92	0.000	56.45	0.000
55.93	0.000	56.46	0.000
55.94	0.000	56.47	0.000
55.95	0.000	56.48	0.000
55.96	0.000	56.49	0.000
55.97	0.000	56.50	0.000
55.98	0.000	56.51	0.000
55.99	0.000	56.52	0.000
56.00	0.000	56.53	0.000
56.01	0.000	56.54	0.000
56.02	0.000	56.55	0.000
56.03	0.000	56.56	0.000
56.04	0.000	56.57	0.000
56.05	0.000	56.58	0.000
56.06	0.000	56.59	0.000
56.07	0.000	56.60	0.000
56.08	0.000	56.61	0.000
56.09	0.000	56.62	0.000
56.10	0.000	56.63	0.000
56.11	0.000	56.64	0.000
56.12	0.000	56.65	0.000
56.13	0.000	56.66	0.000
56.14	0.000	56.67	0.000
56.15	0.000	56.68	0.000
56.16	0.000	56.69	0.000
56.17	0.000	56.70	0.000
56.18	0.000		
56.19	0.000		
56.20	0.000		
56.21	0.000		
56.22	0.000		

Summary for Pond 142P: CB 40

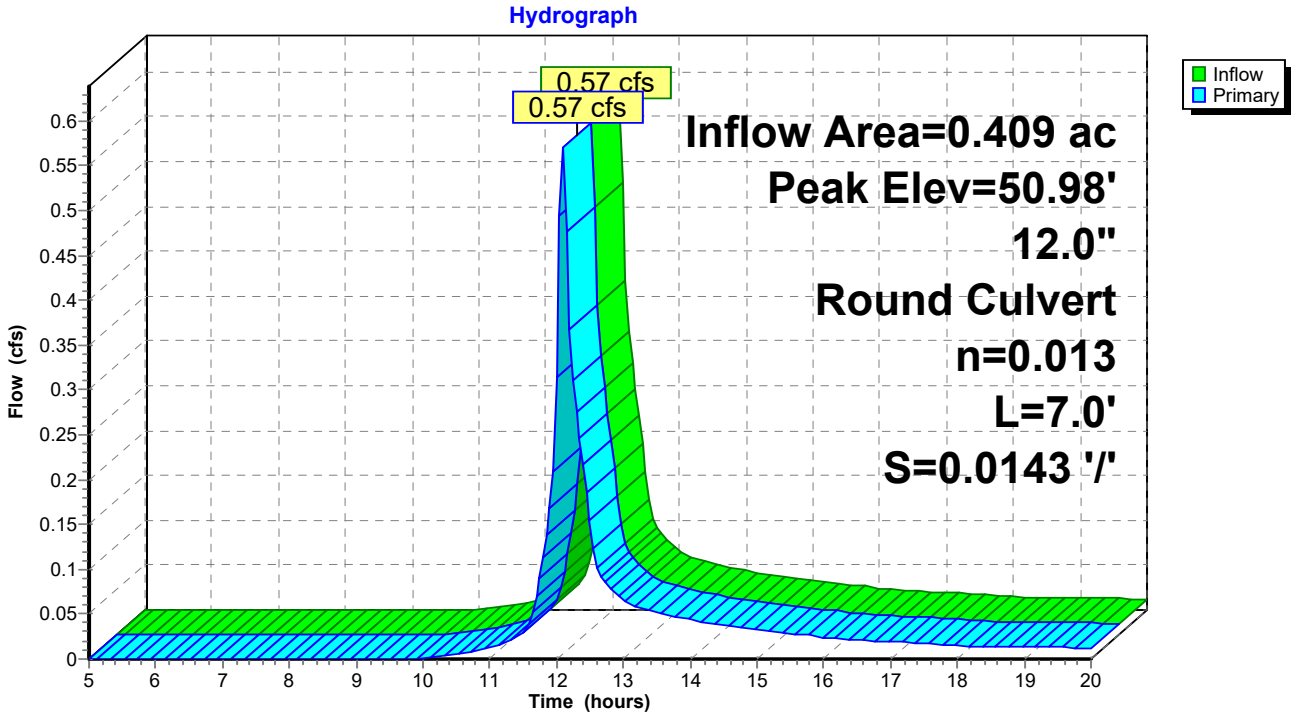
Inflow Area = 0.409 ac, 65.98% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 0.57 cfs @ 12.10 hrs, Volume= 0.039 af
Outflow = 0.57 cfs @ 12.10 hrs, Volume= 0.039 af, Atten= 0%, Lag= 0.0 min
Primary = 0.57 cfs @ 12.10 hrs, Volume= 0.039 af
Routed to Pond 144P : DMH 30

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.98' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.53'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.53' / 50.43' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.57 cfs @ 12.10 hrs HW=50.97' (Free Discharge)
1=Culvert (Barrel Controls 0.57 cfs @ 2.47 fps)

Pond 142P: CB 40



Stage-Area-Storage for Pond 142P: CB 40

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.53	**0.000**	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000		
51.02	0.000		
51.03	0.000		
51.04	0.000		
51.05	0.000		

Summary for Pond 143P: CB 41

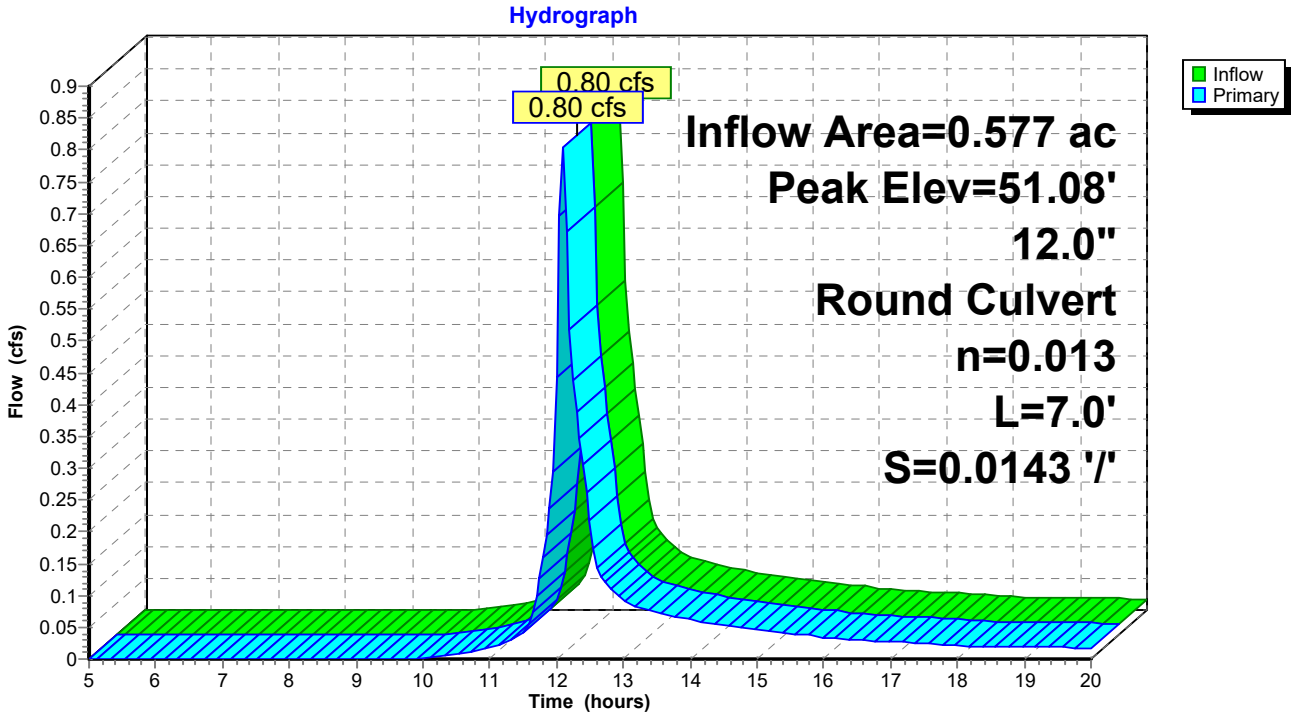
Inflow Area = 0.577 ac, 66.17% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 0.80 cfs @ 12.10 hrs, Volume= 0.055 af
Outflow = 0.80 cfs @ 12.10 hrs, Volume= 0.055 af, Atten= 0%, Lag= 0.0 min
Primary = 0.80 cfs @ 12.10 hrs, Volume= 0.055 af
Routed to Pond 144P : DMH 30

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.08' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.53'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.53' / 50.43' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.80 cfs @ 12.10 hrs HW=51.07' (Free Discharge)
1=Culvert (Barrel Controls 0.80 cfs @ 2.65 fps)

Pond 143P: CB 41



Stage-Area-Storage for Pond 143P: CB 41

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.53	**0.000**	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000		
51.02	0.000		
51.03	0.000		
51.04	0.000		
51.05	0.000		

Summary for Pond 144P: DMH 30

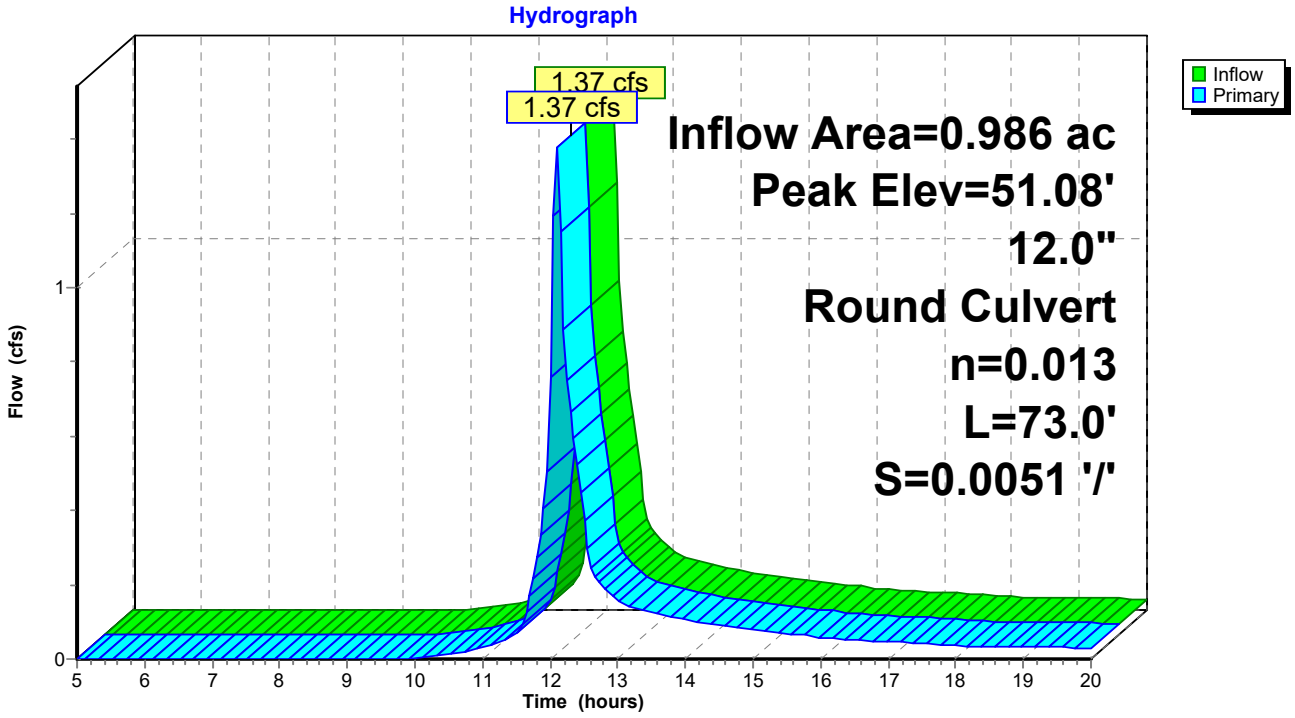
Inflow Area = 0.986 ac, 66.09% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 1.37 cfs @ 12.10 hrs, Volume= 0.093 af
Outflow = 1.37 cfs @ 12.10 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.10 hrs, Volume= 0.093 af
Routed to Pond 145P : DMH 29

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.08' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.33'	**12.0" Round Culvert** L= 73.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.33' / 49.96' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.36 cfs @ 12.10 hrs HW=51.08' (Free Discharge)
1=Culvert (Barrel Controls 1.36 cfs @ 3.00 fps)

Pond 144P: DMH 30



Stage-Area-Storage for Pond 144P: DMH 30

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.33	**0.000**	50.86	0.000
50.34	0.000	50.87	0.000
50.35	0.000	50.88	0.000
50.36	0.000	50.89	0.000
50.37	0.000	50.90	0.000
50.38	0.000	50.91	0.000
50.39	0.000	50.92	0.000
50.40	0.000	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000		
50.82	0.000		
50.83	0.000		
50.84	0.000		
50.85	0.000		

Summary for Pond 145P: DMH 29

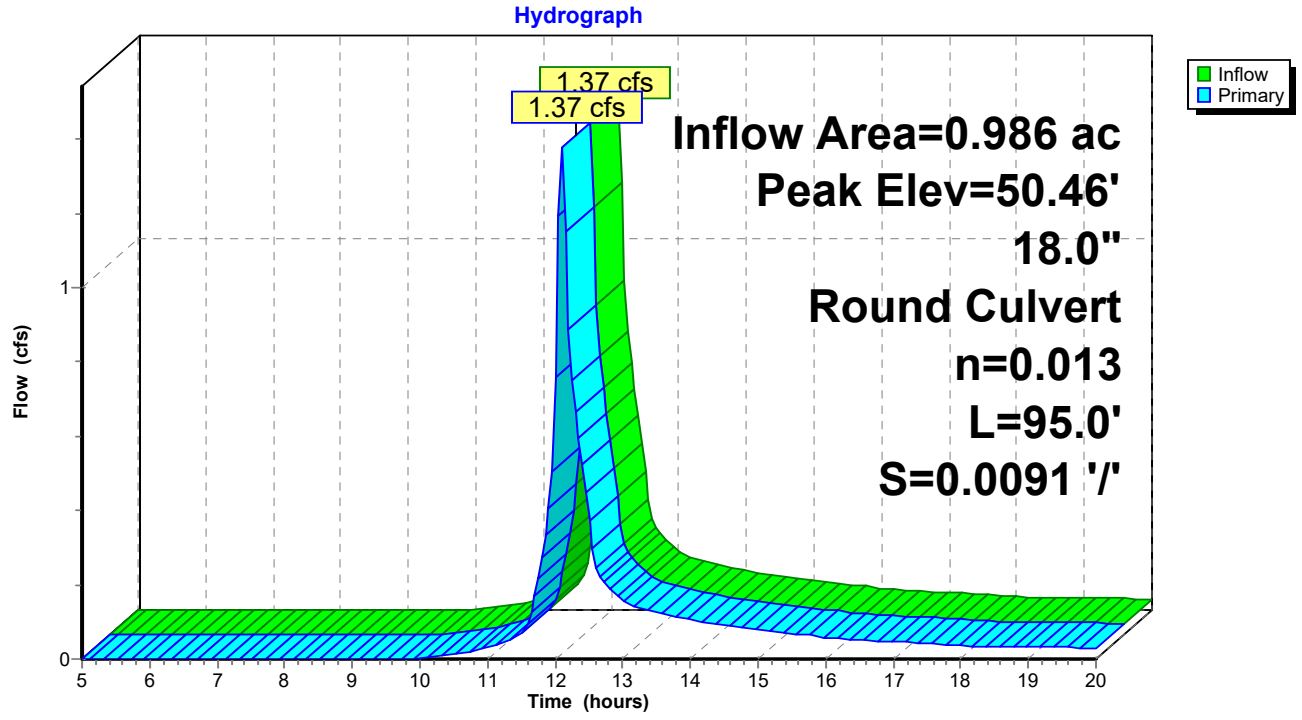
Inflow Area = 0.986 ac, 66.09% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 1.37 cfs @ 12.10 hrs, Volume= 0.093 af
Outflow = 1.37 cfs @ 12.10 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.10 hrs, Volume= 0.093 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.46' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.86'	**18.0" Round Culvert** L= 95.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.86' / 49.00' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.36 cfs @ 12.10 hrs HW=50.46' (Free Discharge)
1=Culvert (Inlet Controls 1.36 cfs @ 2.08 fps)

Pond 145P: DMH 29



Stage-Area-Storage for Pond 145P: DMH 29

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.86	**0.000**	50.39	0.000	50.92	0.000
49.87	0.000	50.40	0.000	50.93	0.000
49.88	0.000	50.41	0.000	50.94	0.000
49.89	0.000	50.42	0.000	50.95	0.000
49.90	0.000	50.43	0.000	50.96	0.000
49.91	0.000	50.44	0.000	50.97	0.000
49.92	0.000	50.45	0.000	50.98	0.000
49.93	0.000	50.46	0.000	50.99	0.000
49.94	0.000	50.47	0.000	51.00	0.000
49.95	0.000	50.48	0.000	51.01	0.000
49.96	0.000	50.49	0.000	51.02	0.000
49.97	0.000	50.50	0.000	51.03	0.000
49.98	0.000	50.51	0.000	51.04	0.000
49.99	0.000	50.52	0.000	51.05	0.000
50.00	0.000	50.53	0.000	51.06	0.000
50.01	0.000	50.54	0.000	51.07	0.000
50.02	0.000	50.55	0.000	51.08	0.000
50.03	0.000	50.56	0.000	51.09	0.000
50.04	0.000	50.57	0.000	51.10	0.000
50.05	0.000	50.58	0.000	51.11	0.000
50.06	0.000	50.59	0.000	51.12	0.000
50.07	0.000	50.60	0.000	51.13	0.000
50.08	0.000	50.61	0.000	51.14	0.000
50.09	0.000	50.62	0.000	51.15	0.000
50.10	0.000	50.63	0.000	51.16	0.000
50.11	0.000	50.64	0.000	51.17	0.000
50.12	0.000	50.65	0.000	51.18	0.000
50.13	0.000	50.66	0.000	51.19	0.000
50.14	0.000	50.67	0.000	51.20	0.000
50.15	0.000	50.68	0.000	51.21	0.000
50.16	0.000	50.69	0.000	51.22	0.000
50.17	0.000	50.70	0.000	51.23	0.000
50.18	0.000	50.71	0.000	51.24	0.000
50.19	0.000	50.72	0.000	51.25	0.000
50.20	0.000	50.73	0.000	51.26	0.000
50.21	0.000	50.74	0.000	51.27	0.000
50.22	0.000	50.75	0.000	51.28	0.000
50.23	0.000	50.76	0.000	51.29	0.000
50.24	0.000	50.77	0.000	51.30	0.000
50.25	0.000	50.78	0.000	51.31	0.000
50.26	0.000	50.79	0.000	51.32	0.000
50.27	0.000	50.80	0.000	51.33	0.000
50.28	0.000	50.81	0.000	51.34	0.000
50.29	0.000	50.82	0.000	51.35	0.000
50.30	0.000	50.83	0.000	51.36	0.000
50.31	0.000	50.84	0.000		
50.32	0.000	50.85	0.000		
50.33	0.000	50.86	0.000		
50.34	0.000	50.87	0.000		
50.35	0.000	50.88	0.000		
50.36	0.000	50.89	0.000		
50.37	0.000	50.90	0.000		
50.38	0.000	50.91	0.000		

Summary for Pond 146P: Inf. Basin 2

Inflow Area = 1.642 ac, 64.89% Impervious, Inflow Depth > 1.22" for 2-Year event
Inflow = 2.45 cfs @ 12.09 hrs, Volume= 0.167 af
Outflow = 1.08 cfs @ 12.32 hrs, Volume= 0.167 af, Atten= 56%, Lag= 13.6 min
Discarded = 1.08 cfs @ 12.32 hrs, Volume= 0.167 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.47' @ 12.32 hrs Surf.Area= 2,578 sf Storage= 1,074 cf

Plug-Flow detention time= 6.6 min calculated for 0.166 af (100% of inflow)
Center-of-Mass det. time= 6.3 min (802.8 - 796.5)

Volume	Invert	Avail.Storage	Storage Description
#1	49.00'	18,306 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

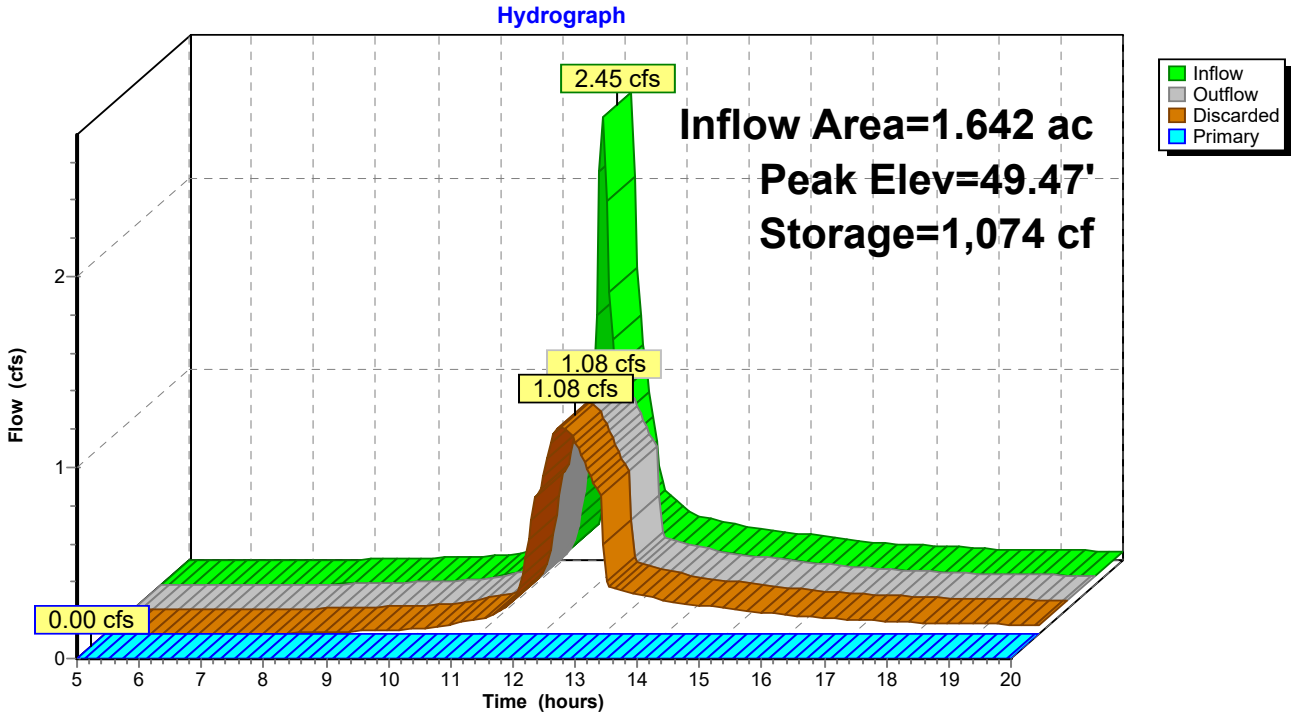
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
49.00	1,966	0	0
50.00	3,261	2,614	2,614
51.00	4,560	3,911	6,524
52.00	5,952	5,256	11,780
53.00	7,099	6,526	18,306

Device	Routing	Invert	Outlet Devices
#1	Discarded	49.00'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 47.00'
#2	Primary	49.00'	**12.0" Round Culvert** L= 42.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.00' / 45.00' S= 0.0952 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	52.20'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=1.08 cfs @ 12.32 hrs HW=49.47' (Free Discharge)
└**1=Exfiltration** (Controls 1.08 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=49.00' (Free Discharge)
└**2=Culvert** (Controls 0.00 cfs)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Pond 146P: Inf. Basin 2



Stage-Area-Storage for Pond 146P: Inf. Basin 2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
49.00	1,966	0
49.05	2,031	100
49.10	2,096	203
49.15	2,160	309
49.20	2,225	419
49.25	2,290	532
49.30	2,354	648
49.35	2,419	767
49.40	2,484	890
49.45	2,549	1,016
49.50	2,614	1,145
49.55	2,678	1,277
49.60	2,743	1,413
49.65	2,808	1,551
49.70	2,873	1,693
49.75	2,937	1,839
49.80	3,002	1,987
49.85	3,067	2,139
49.90	3,131	2,294
49.95	3,196	2,452
50.00	3,261	2,614
50.05	3,326	2,778
50.10	3,391	2,946
50.15	3,456	3,117
50.20	3,521	3,292
50.25	3,586	3,469
50.30	3,651	3,650
50.35	3,716	3,834
50.40	3,781	4,022
50.45	3,846	4,212
50.50	3,911	4,406
50.55	3,975	4,604
50.60	4,040	4,804
50.65	4,105	5,008
50.70	4,170	5,214
50.75	4,235	5,425
50.80	4,300	5,638
50.85	4,365	5,855
50.90	4,430	6,074
50.95	4,495	6,298
51.00	4,560	6,524
51.05	4,630	6,754
51.10	4,699	6,987
51.15	4,769	7,224
51.20	4,838	7,464
51.25	4,908	7,708
51.30	4,978	7,955
51.35	5,047	8,205
51.40	5,117	8,459
51.45	5,186	8,717
51.50	5,256	8,978
51.55	5,326	9,243
51.60	5,395	9,511
51.65	5,465	9,782
51.70	5,534	10,057
51.75	5,604	10,336
51.80	5,674	10,617
51.85	5,743	10,903
51.90	5,813	11,192
51.95	5,882	11,484
52.00	5,952	11,780
52.05	6,009	12,079
52.10	6,067	12,381
52.15	6,124	12,686
52.20	6,181	12,993
52.25	6,239	13,304
52.30	6,296	13,617
52.35	6,353	13,933
52.40	6,411	14,253
52.45	6,468	14,575
52.50	6,526	14,899
52.55	6,583	15,227
52.60	6,640	15,558
52.65	6,698	15,891
52.70	6,755	16,227
52.75	6,812	16,567
52.80	6,870	16,909
52.85	6,927	17,254
52.90	6,984	17,601
52.95	7,042	17,952
53.00	**7,099**	**18,306**

Summary for Pond 147P: CB 28

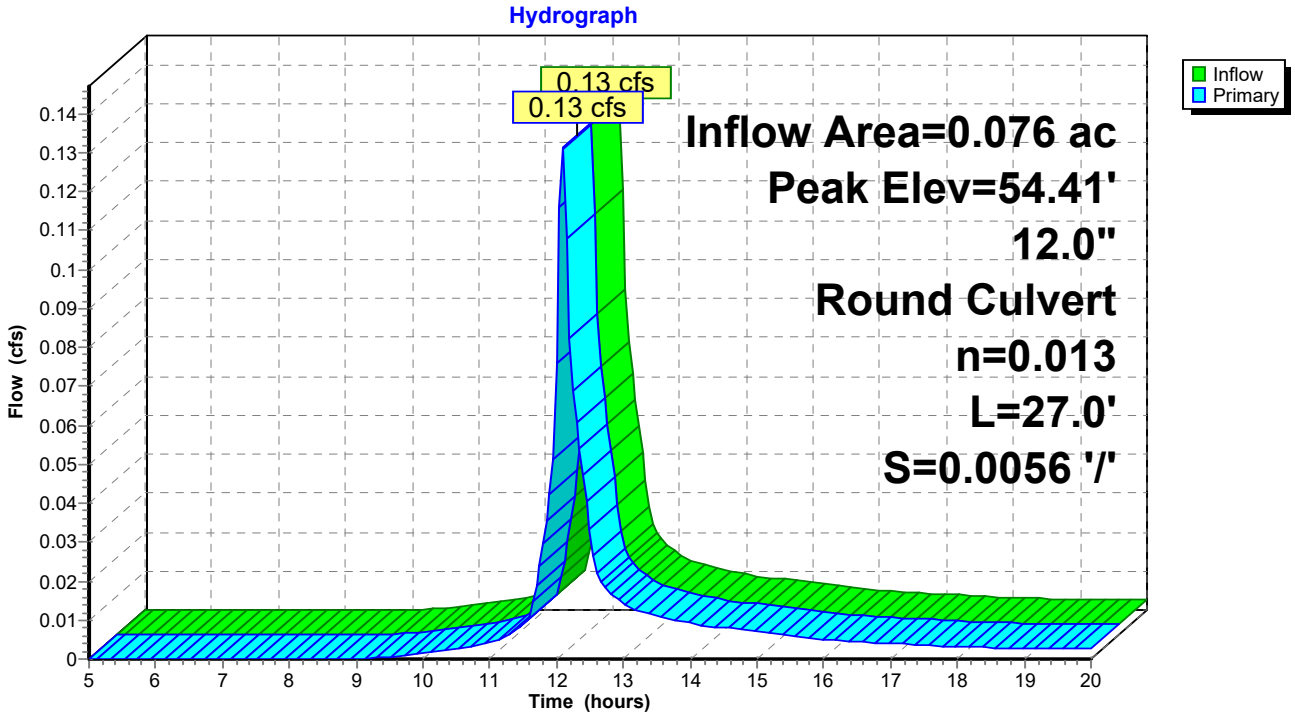
Inflow Area = 0.076 ac, 72.53% Impervious, Inflow Depth > 1.39" for 2-Year event
Inflow = 0.13 cfs @ 12.09 hrs, Volume= 0.009 af
Outflow = 0.13 cfs @ 12.09 hrs, Volume= 0.009 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.09 hrs, Volume= 0.009 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.41' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.20'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.20' / 54.05' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.09 hrs HW=54.41' (Free Discharge)
1=Culvert (Barrel Controls 0.13 cfs @ 1.63 fps)

Pond 147P: CB 28



Stage-Area-Storage for Pond 147P: CB 28

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.20	**0.000**	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000		
54.69	0.000		
54.70	0.000		
54.71	0.000		
54.72	0.000		

Summary for Pond 148P: CB 43

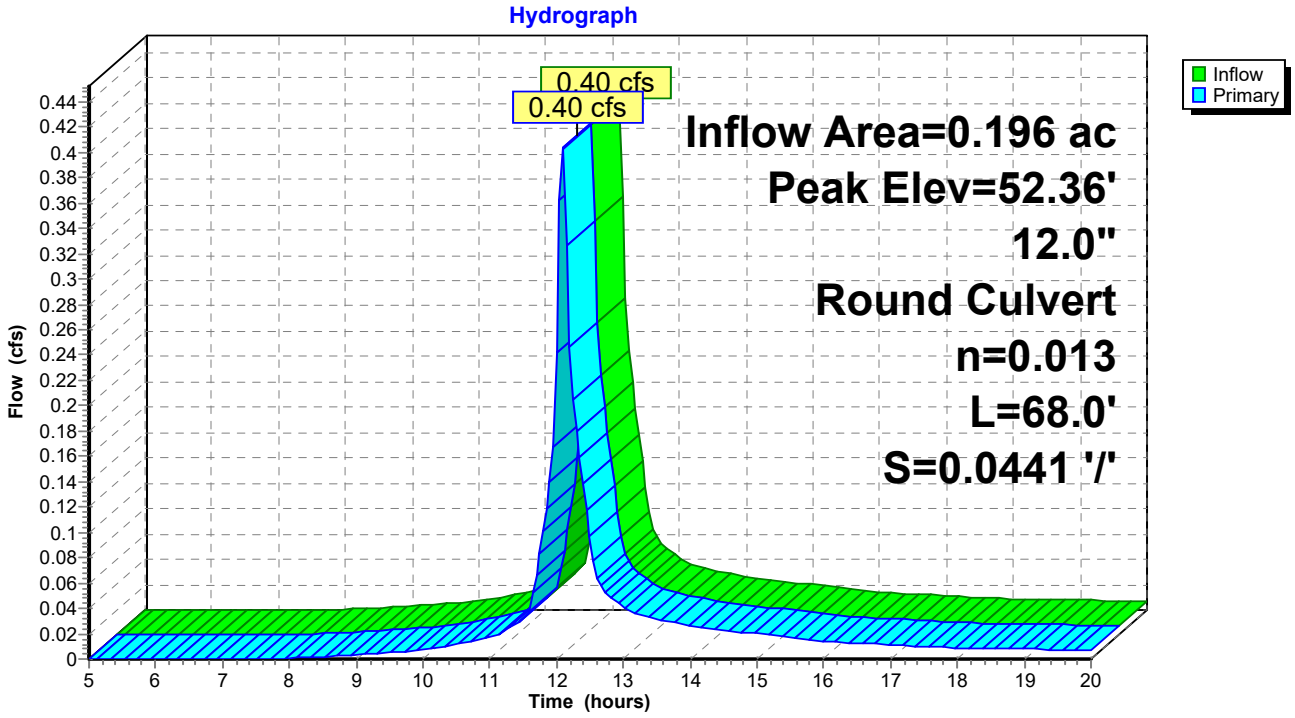
Inflow Area = 0.196 ac, 80.21% Impervious, Inflow Depth > 1.67" for 2-Year event
Inflow = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af
Outflow = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.36' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.00'	**12.0" Round Culvert** L= 68.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.00' / 49.00' S= 0.0441 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=52.35' (Free Discharge)
1=Culvert (Inlet Controls 0.40 cfs @ 1.60 fps)

Pond 148P: CB 43



Stage-Area-Storage for Pond 148P: CB 43

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.00	**0.000**	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000		
52.49	0.000		
52.50	0.000		
52.51	0.000		
52.52	0.000		

Summary for Pond 149P: CB 29

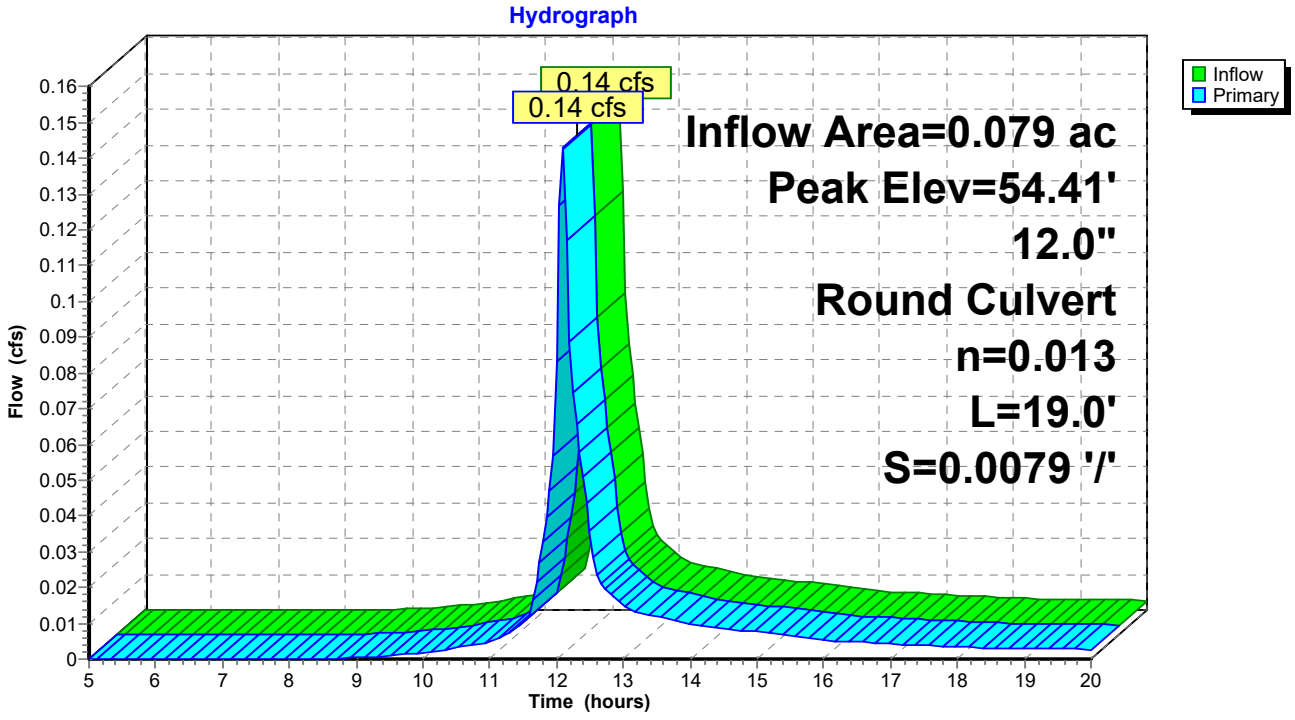
Inflow Area = 0.079 ac, 73.82% Impervious, Inflow Depth > 1.46" for 2-Year event
Inflow = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af
Outflow = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min
Primary = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.41' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.20'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.20' / 54.05' S= 0.0079 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.14 cfs @ 12.09 hrs HW=54.41' (Free Discharge)
1=Culvert (Barrel Controls 0.14 cfs @ 1.80 fps)

Pond 149P: CB 29



Stage-Area-Storage for Pond 149P: CB 29

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.20	**0.000**	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000		
54.69	0.000		
54.70	0.000		
54.71	0.000		
54.72	0.000		

Summary for Pond 150P: DMH 22

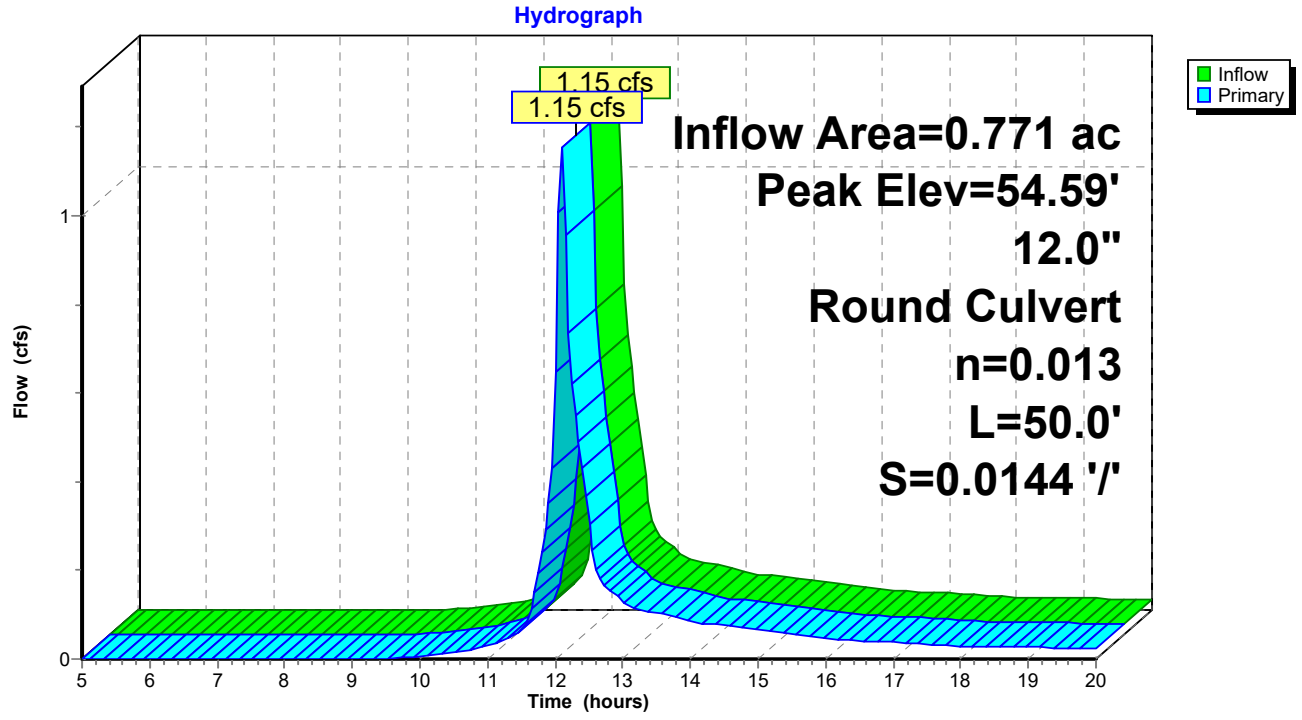
Inflow Area = 0.771 ac, 67.20% Impervious, Inflow Depth > 1.22" for 2-Year event
Inflow = 1.15 cfs @ 12.10 hrs, Volume= 0.078 af
Outflow = 1.15 cfs @ 12.10 hrs, Volume= 0.078 af, Atten= 0%, Lag= 0.0 min
Primary = 1.15 cfs @ 12.10 hrs, Volume= 0.078 af
Routed to Pond 161P : DMH 19

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.59' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.95'	**12.0" Round Culvert** L= 50.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.95' / 53.23' S= 0.0144 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.14 cfs @ 12.10 hrs HW=54.59' (Free Discharge)
1=Culvert (Inlet Controls 1.14 cfs @ 2.15 fps)

Pond 150P: DMH 22



Stage-Area-Storage for Pond 150P: DMH 22

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.95	**0.000**	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000	54.72	0.000
54.20	0.000	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000		
54.44	0.000		
54.45	0.000		
54.46	0.000		
54.47	0.000		

Summary for Pond 151P: CB 22

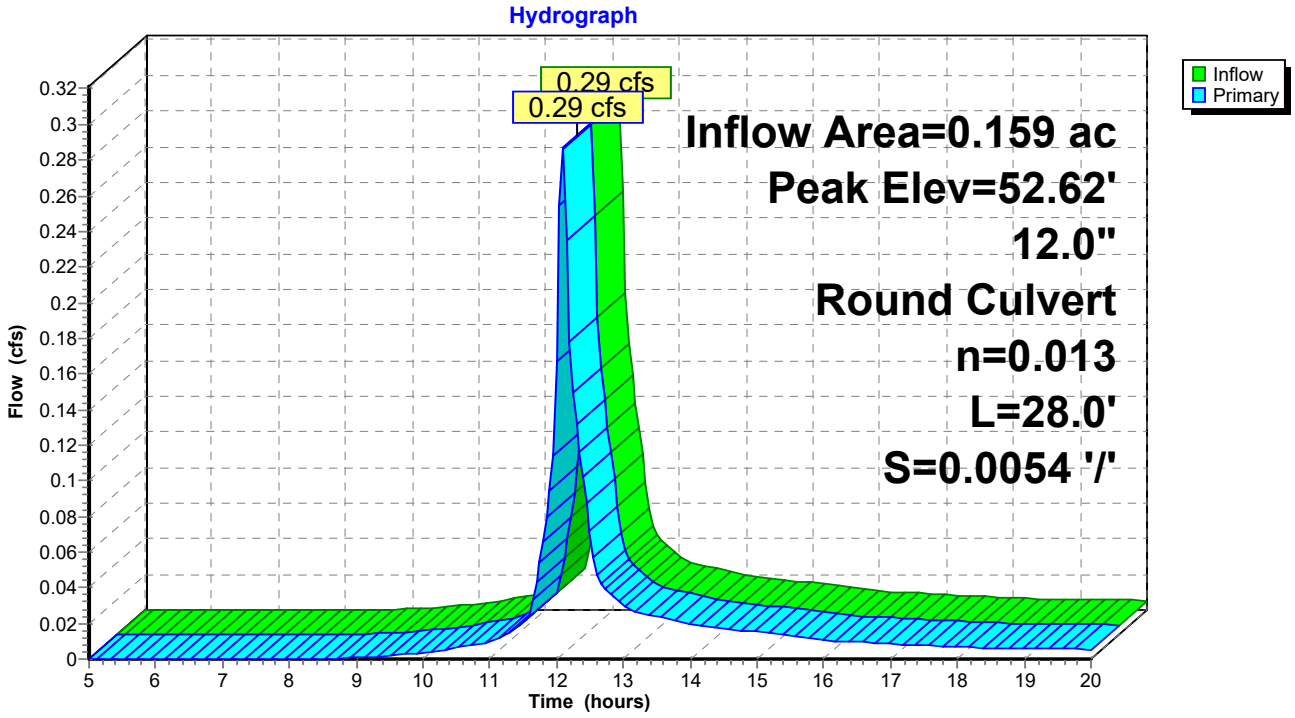
Inflow Area = 0.159 ac, 74.64% Impervious, Inflow Depth > 1.46" for 2-Year event
Inflow = 0.29 cfs @ 12.09 hrs, Volume= 0.019 af
Outflow = 0.29 cfs @ 12.09 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.09 hrs, Volume= 0.019 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.62' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.30'	**12.0" Round Culvert** L= 28.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.30' / 52.15' S= 0.0054 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.09 hrs HW=52.62' (Free Discharge)
1=Culvert (Barrel Controls 0.28 cfs @ 1.97 fps)

Pond 151P: CB 22



Stage-Area-Storage for Pond 151P: CB 22

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.30	**0.000**	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000	53.17	0.000
52.65	0.000	53.18	0.000
52.66	0.000	53.19	0.000
52.67	0.000	53.20	0.000
52.68	0.000	53.21	0.000
52.69	0.000	53.22	0.000
52.70	0.000	53.23	0.000
52.71	0.000	53.24	0.000
52.72	0.000	53.25	0.000
52.73	0.000	53.26	0.000
52.74	0.000	53.27	0.000
52.75	0.000	53.28	0.000
52.76	0.000	53.29	0.000
52.77	0.000	53.30	0.000
52.78	0.000		
52.79	0.000		
52.80	0.000		
52.81	0.000		
52.82	0.000		

Summary for Pond 152P: CB 23

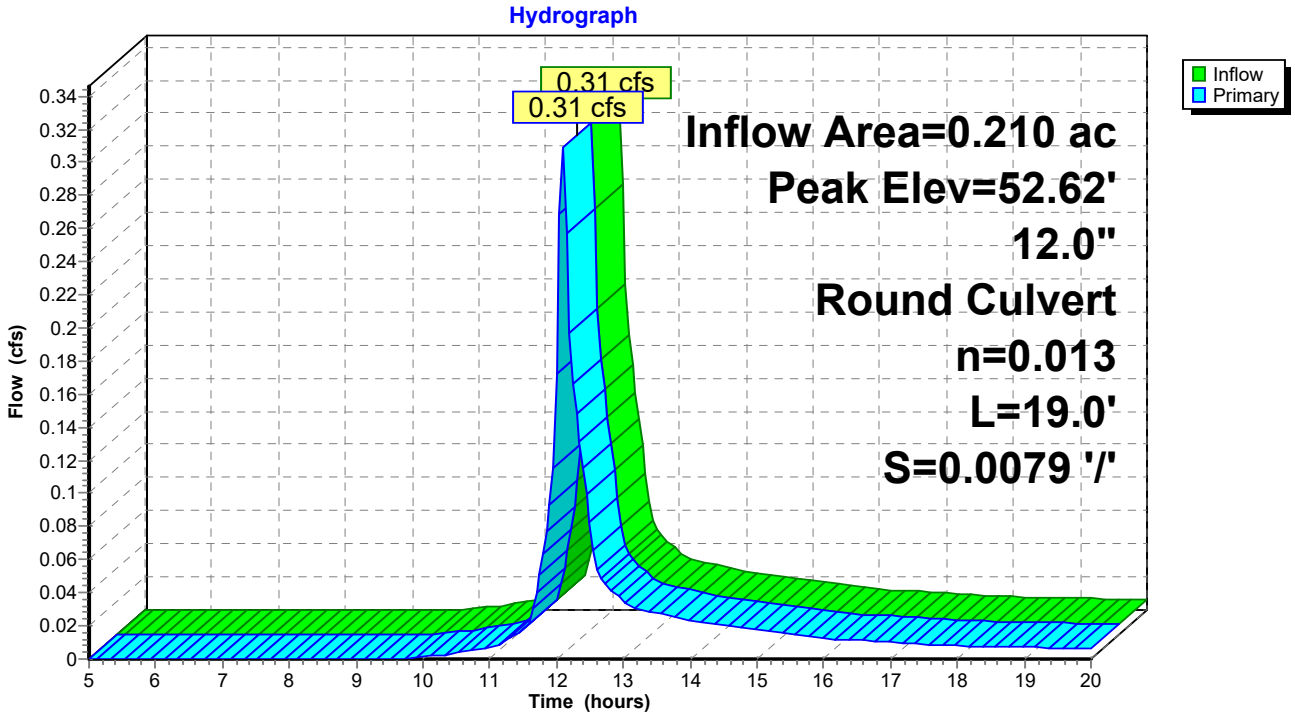
Inflow Area = 0.210 ac, 67.61% Impervious, Inflow Depth > 1.20" for 2-Year event
Inflow = 0.31 cfs @ 12.10 hrs, Volume= 0.021 af
Outflow = 0.31 cfs @ 12.10 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.10 hrs, Volume= 0.021 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.62' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.30'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.30' / 52.15' S= 0.0079 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.31 cfs @ 12.10 hrs HW=52.62' (Free Discharge)
1=Culvert (Barrel Controls 0.31 cfs @ 2.15 fps)

Pond 152P: CB 23



Stage-Area-Storage for Pond 152P: CB 23

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.30	**0.000**	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000	53.17	0.000
52.65	0.000	53.18	0.000
52.66	0.000	53.19	0.000
52.67	0.000	53.20	0.000
52.68	0.000	53.21	0.000
52.69	0.000	53.22	0.000
52.70	0.000	53.23	0.000
52.71	0.000	53.24	0.000
52.72	0.000	53.25	0.000
52.73	0.000	53.26	0.000
52.74	0.000	53.27	0.000
52.75	0.000	53.28	0.000
52.76	0.000	53.29	0.000
52.77	0.000	53.30	0.000
52.78	0.000		
52.79	0.000		
52.80	0.000		
52.81	0.000		
52.82	0.000		

Summary for Pond 153P: DMH 17

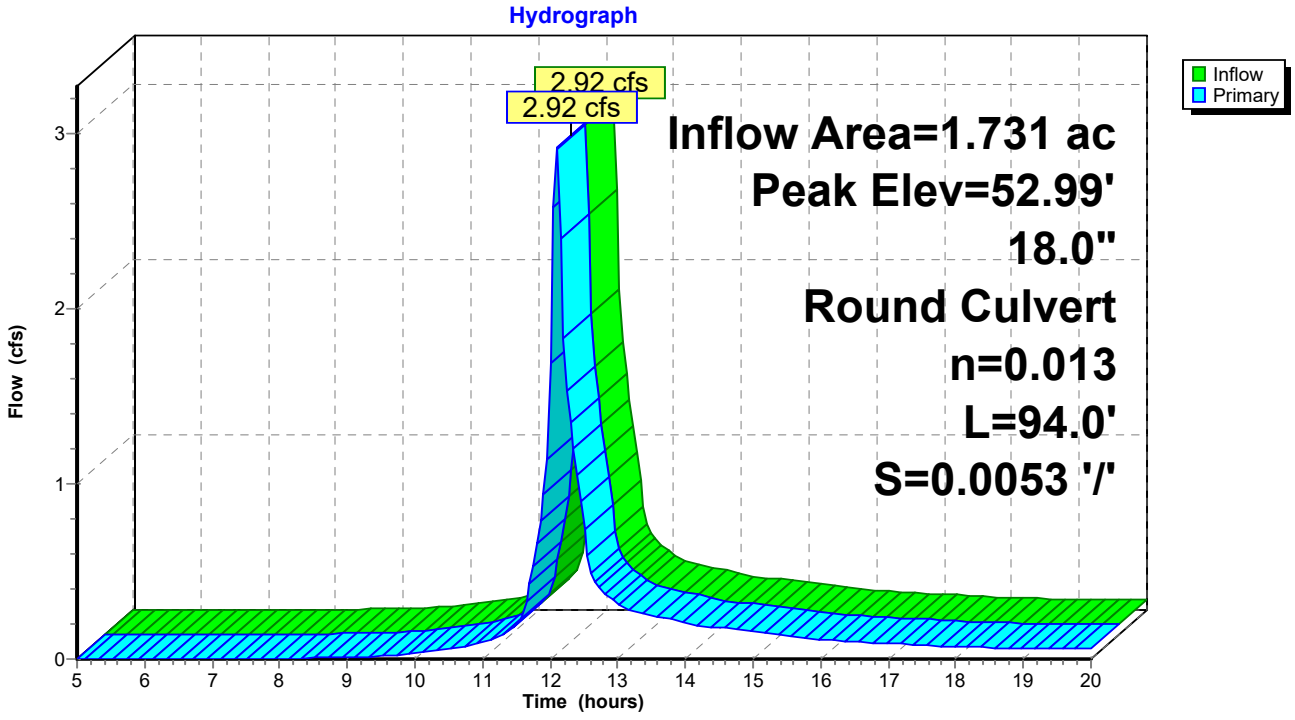
Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 1.37" for 2-Year event
Inflow = 2.92 cfs @ 12.09 hrs, Volume= 0.198 af
Outflow = 2.92 cfs @ 12.09 hrs, Volume= 0.198 af, Atten= 0%, Lag= 0.0 min
Primary = 2.92 cfs @ 12.09 hrs, Volume= 0.198 af
Routed to Pond 204P : DMH 18

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.99' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.05'	**18.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.05' / 51.55' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.88 cfs @ 12.09 hrs HW=52.98' (Free Discharge)
1=Culvert (Barrel Controls 2.88 cfs @ 3.56 fps)

Pond 153P: DMH 17



Stage-Area-Storage for Pond 153P: DMH 17

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.05	**0.000**	52.58	0.000	53.11	0.000
52.06	0.000	52.59	0.000	53.12	0.000
52.07	0.000	52.60	0.000	53.13	0.000
52.08	0.000	52.61	0.000	53.14	0.000
52.09	0.000	52.62	0.000	53.15	0.000
52.10	0.000	52.63	0.000	53.16	0.000
52.11	0.000	52.64	0.000	53.17	0.000
52.12	0.000	52.65	0.000	53.18	0.000
52.13	0.000	52.66	0.000	53.19	0.000
52.14	0.000	52.67	0.000	53.20	0.000
52.15	0.000	52.68	0.000	53.21	0.000
52.16	0.000	52.69	0.000	53.22	0.000
52.17	0.000	52.70	0.000	53.23	0.000
52.18	0.000	52.71	0.000	53.24	0.000
52.19	0.000	52.72	0.000	53.25	0.000
52.20	0.000	52.73	0.000	53.26	0.000
52.21	0.000	52.74	0.000	53.27	0.000
52.22	0.000	52.75	0.000	53.28	0.000
52.23	0.000	52.76	0.000	53.29	0.000
52.24	0.000	52.77	0.000	53.30	0.000
52.25	0.000	52.78	0.000	53.31	0.000
52.26	0.000	52.79	0.000	53.32	0.000
52.27	0.000	52.80	0.000	53.33	0.000
52.28	0.000	52.81	0.000	53.34	0.000
52.29	0.000	52.82	0.000	53.35	0.000
52.30	0.000	52.83	0.000	53.36	0.000
52.31	0.000	52.84	0.000	53.37	0.000
52.32	0.000	52.85	0.000	53.38	0.000
52.33	0.000	52.86	0.000	53.39	0.000
52.34	0.000	52.87	0.000	53.40	0.000
52.35	0.000	52.88	0.000	53.41	0.000
52.36	0.000	52.89	0.000	53.42	0.000
52.37	0.000	52.90	0.000	53.43	0.000
52.38	0.000	52.91	0.000	53.44	0.000
52.39	0.000	52.92	0.000	53.45	0.000
52.40	0.000	52.93	0.000	53.46	0.000
52.41	0.000	52.94	0.000	53.47	0.000
52.42	0.000	52.95	0.000	53.48	0.000
52.43	0.000	52.96	0.000	53.49	0.000
52.44	0.000	52.97	0.000	53.50	0.000
52.45	0.000	52.98	0.000	53.51	0.000
52.46	0.000	52.99	0.000	53.52	0.000
52.47	0.000	53.00	0.000	53.53	0.000
52.48	0.000	53.01	0.000	53.54	0.000
52.49	0.000	53.02	0.000	53.55	0.000
52.50	0.000	53.03	0.000		
52.51	0.000	53.04	0.000		
52.52	0.000	53.05	0.000		
52.53	0.000	53.06	0.000		
52.54	0.000	53.07	0.000		
52.55	0.000	53.08	0.000		
52.56	0.000	53.09	0.000		
52.57	0.000	53.10	0.000		

Summary for Pond 154P: CB 18

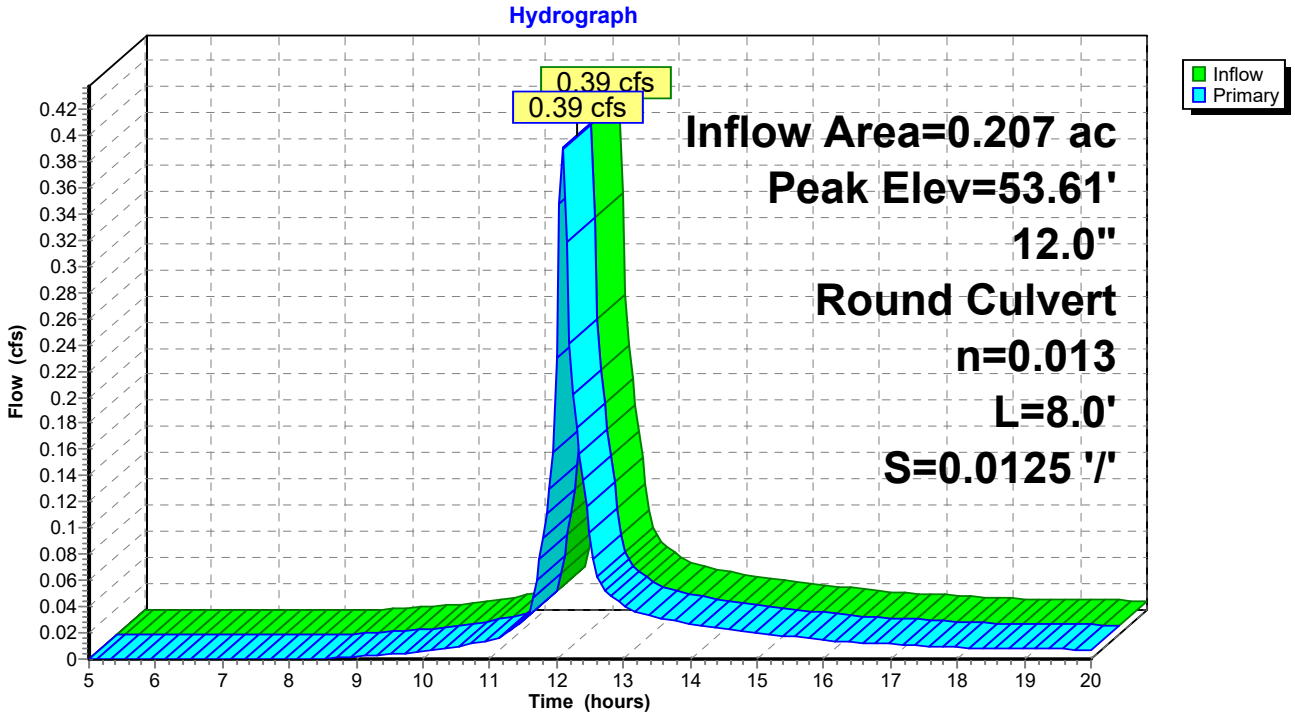
Inflow Area = 0.207 ac, 76.76% Impervious, Inflow Depth > 1.53" for 2-Year event
Inflow = 0.39 cfs @ 12.09 hrs, Volume= 0.026 af
Outflow = 0.39 cfs @ 12.09 hrs, Volume= 0.026 af, Atten= 0%, Lag= 0.0 min
Primary = 0.39 cfs @ 12.09 hrs, Volume= 0.026 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.61' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.25'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.25' / 53.15' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.38 cfs @ 12.09 hrs HW=53.61' (Free Discharge)
1=Culvert (Barrel Controls 0.38 cfs @ 2.27 fps)

Pond 154P: CB 18



Stage-Area-Storage for Pond 154P: CB 18

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.25	**0.000**	53.78	0.000
53.26	0.000	53.79	0.000
53.27	0.000	53.80	0.000
53.28	0.000	53.81	0.000
53.29	0.000	53.82	0.000
53.30	0.000	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000		
53.74	0.000		
53.75	0.000		
53.76	0.000		
53.77	0.000		

Summary for Pond 155P: CB 27

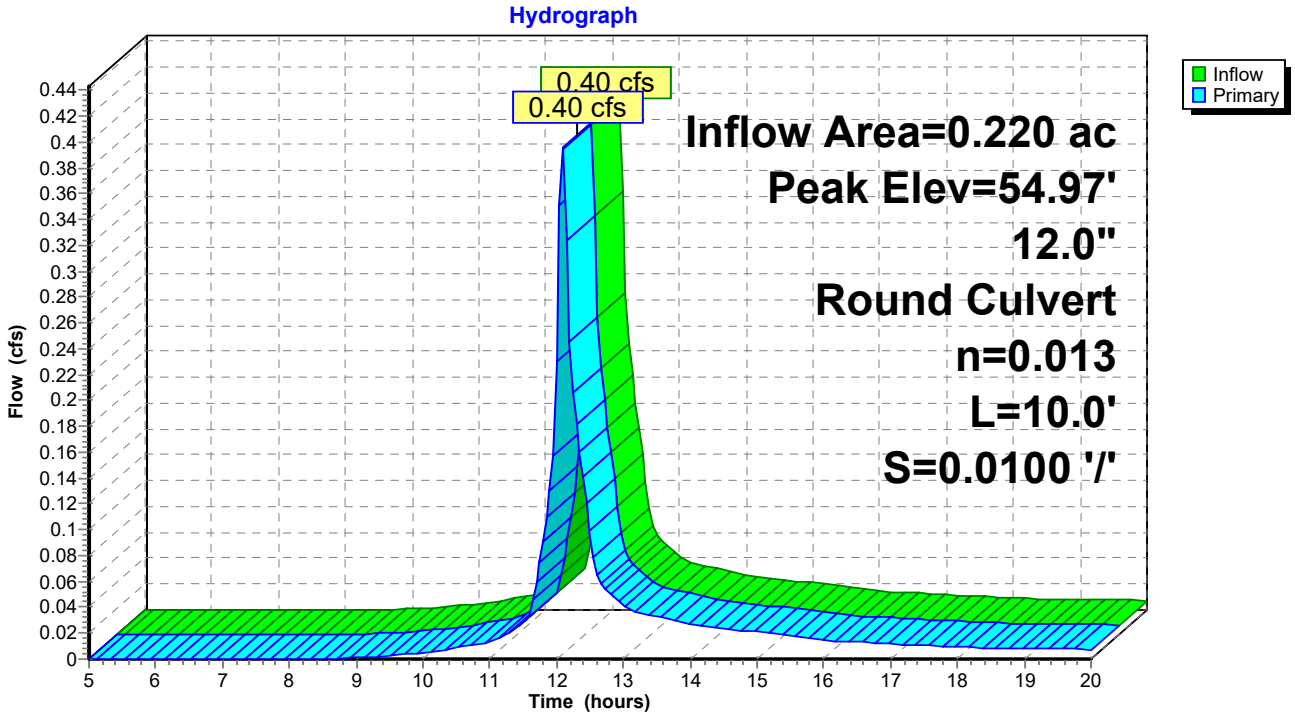
Inflow Area = 0.220 ac, 74.64% Impervious, Inflow Depth > 1.46" for 2-Year event
Inflow = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af
Outflow = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af
Routed to Pond 157P : DMH 21

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.39 cfs @ 12.09 hrs HW=54.97' (Free Discharge)
1=Culvert (Barrel Controls 0.39 cfs @ 2.23 fps)

Pond 155P: CB 27



Stage-Area-Storage for Pond 155P: CB 27

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 156P: CB 26

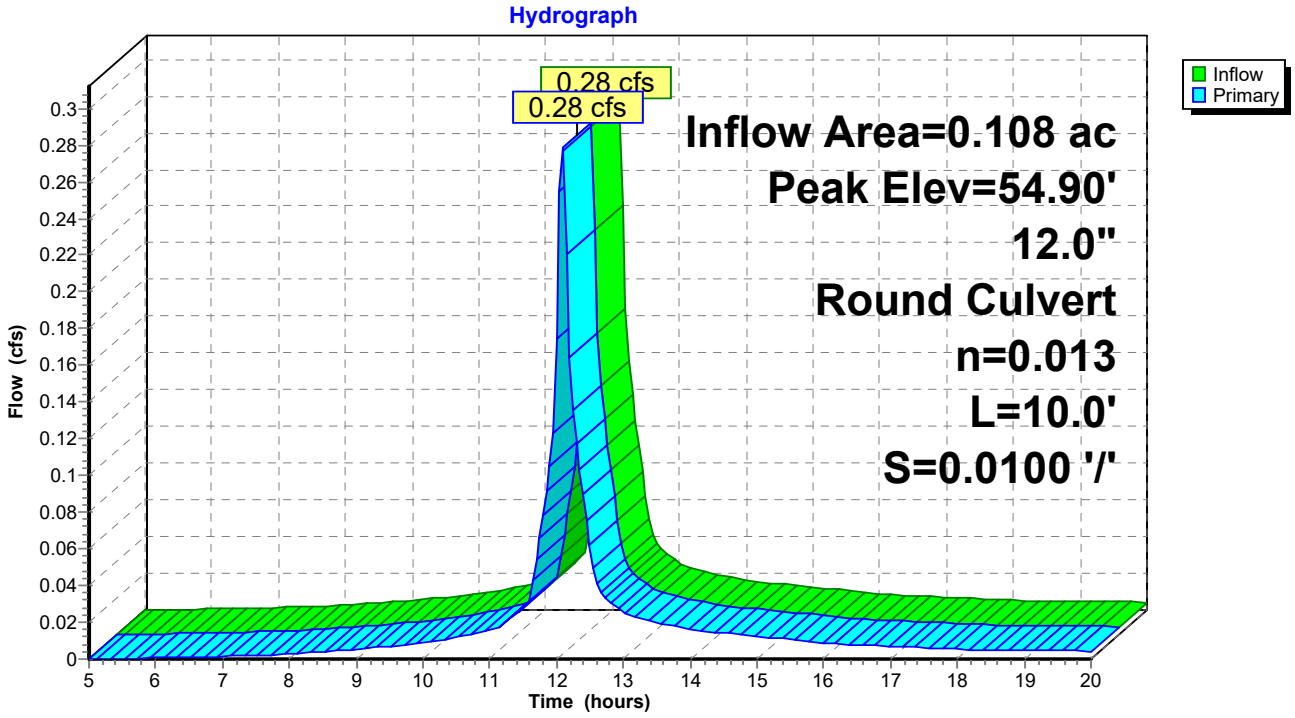
Inflow Area = 0.108 ac, 90.07% Impervious, Inflow Depth > 2.17" for 2-Year event
Inflow = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af
Outflow = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.28 cfs @ 12.09 hrs, Volume= 0.020 af
Routed to Pond 157P : DMH 21

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=54.90' (Free Discharge)
1=Culvert (Barrel Controls 0.27 cfs @ 2.07 fps)

Pond 156P: CB 26



Stage-Area-Storage for Pond 156P: CB 26

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 157P: DMH 21

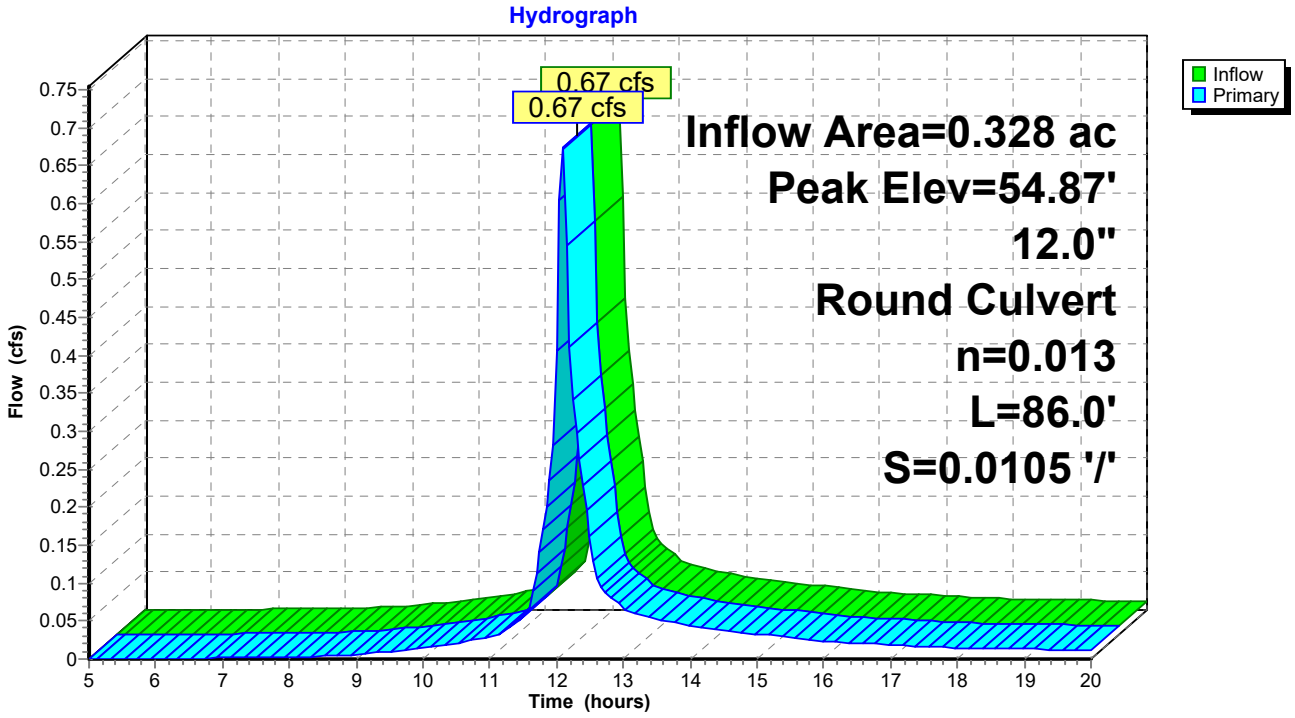
Inflow Area = 0.328 ac, 79.72% Impervious, Inflow Depth > 1.69" for 2-Year event
Inflow = 0.67 cfs @ 12.09 hrs, Volume= 0.046 af
Outflow = 0.67 cfs @ 12.09 hrs, Volume= 0.046 af, Atten= 0%, Lag= 0.0 min
Primary = 0.67 cfs @ 12.09 hrs, Volume= 0.046 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.87' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.40'	**12.0" Round Culvert** L= 86.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.40' / 53.50' S= 0.0105 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.66 cfs @ 12.09 hrs HW=54.87' (Free Discharge)
1=Culvert (Inlet Controls 0.66 cfs @ 1.84 fps)

Pond 157P: DMH 21



Stage-Area-Storage for Pond 157P: DMH 21

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.40	**0.000**	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000		
54.89	0.000		
54.90	0.000		
54.91	0.000		
54.92	0.000		

Summary for Pond 158P: CB 24

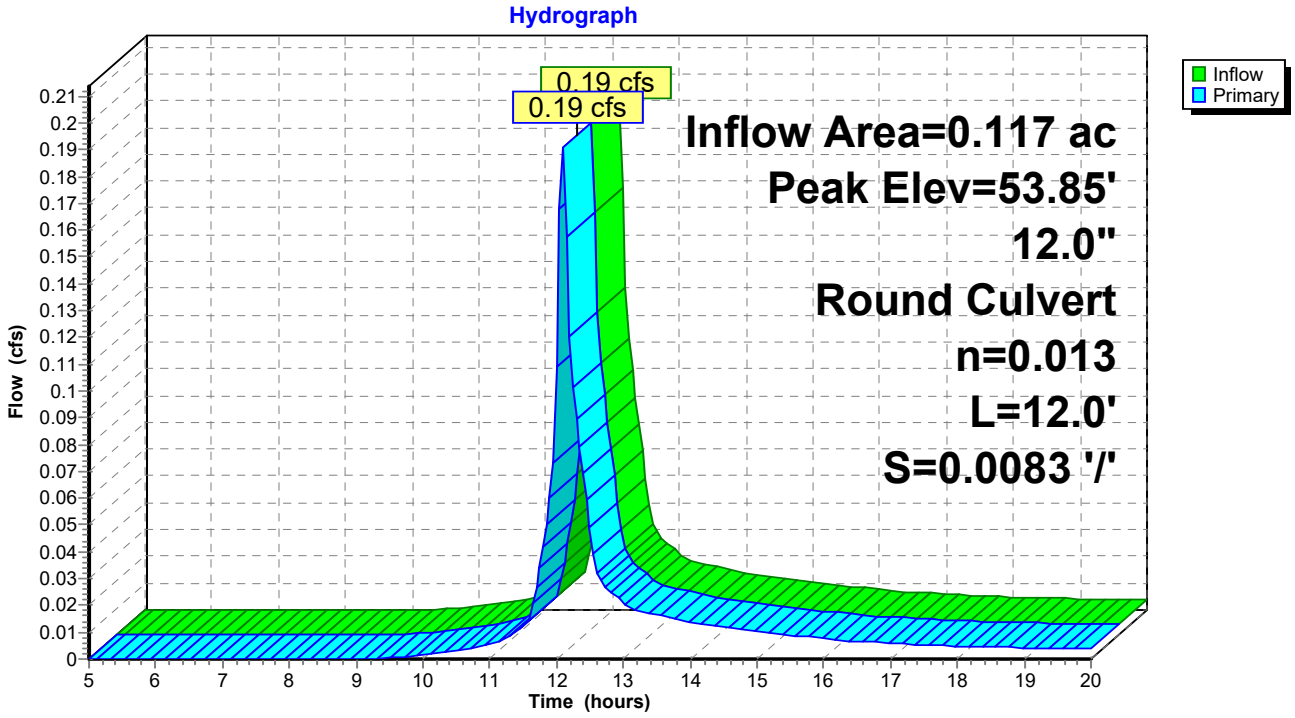
Inflow Area = 0.117 ac, 70.43% Impervious, Inflow Depth > 1.32" for 2-Year event
Inflow = 0.19 cfs @ 12.10 hrs, Volume= 0.013 af
Outflow = 0.19 cfs @ 12.10 hrs, Volume= 0.013 af, Atten= 0%, Lag= 0.0 min
Primary = 0.19 cfs @ 12.10 hrs, Volume= 0.013 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.85' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.60'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 53.50' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.19 cfs @ 12.10 hrs HW=53.85' (Free Discharge)
1=Culvert (Barrel Controls 0.19 cfs @ 1.87 fps)

Pond 158P: CB 24



Stage-Area-Storage for Pond 158P: CB 24

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.60	**0.000**	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000		
54.09	0.000		
54.10	0.000		
54.11	0.000		
54.12	0.000		

Summary for Pond 159P: CB 25

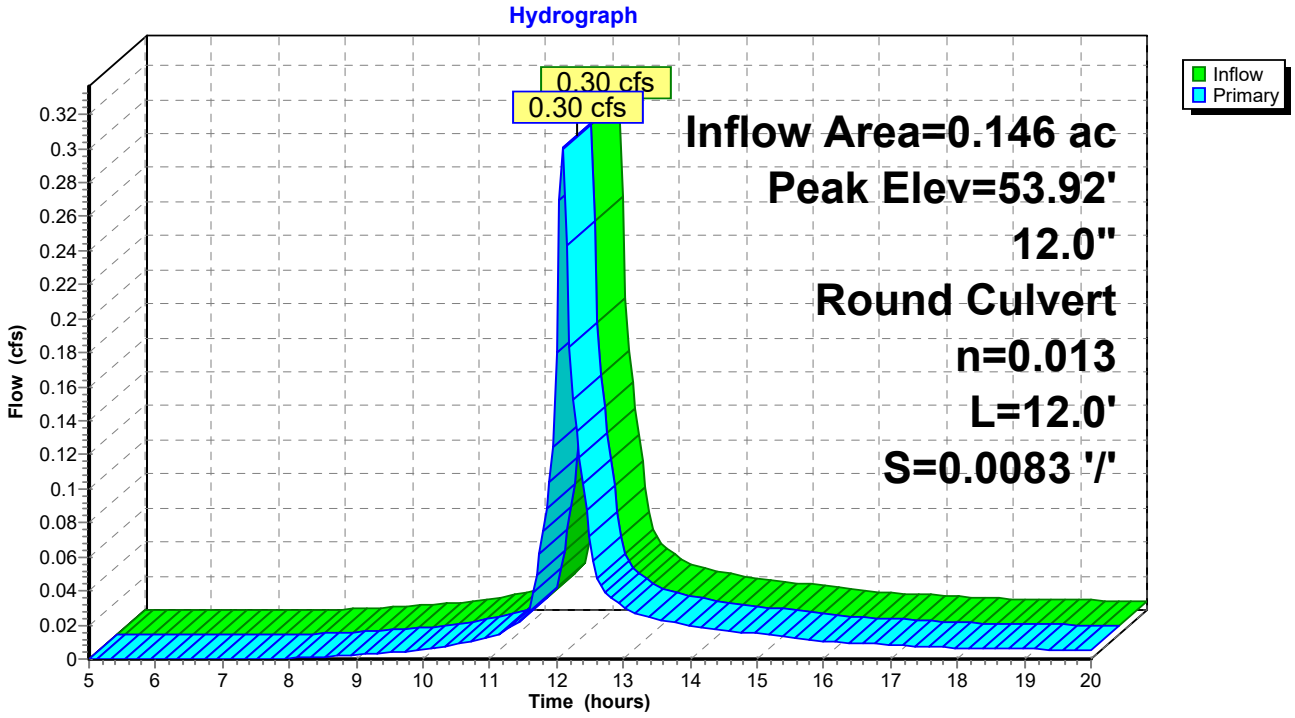
Inflow Area = 0.146 ac, 79.60% Impervious, Inflow Depth > 1.67" for 2-Year event
Inflow = 0.30 cfs @ 12.09 hrs, Volume= 0.020 af
Outflow = 0.30 cfs @ 12.09 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.30 cfs @ 12.09 hrs, Volume= 0.020 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.60'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 53.50' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.29 cfs @ 12.09 hrs HW=53.92' (Free Discharge)
1=Culvert (Barrel Controls 0.29 cfs @ 2.06 fps)

Pond 159P: CB 25



Stage-Area-Storage for Pond 159P: CB 25

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.60	**0.000**	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000		
54.09	0.000		
54.10	0.000		
54.11	0.000		
54.12	0.000		

Summary for Pond 160P: DMH 20

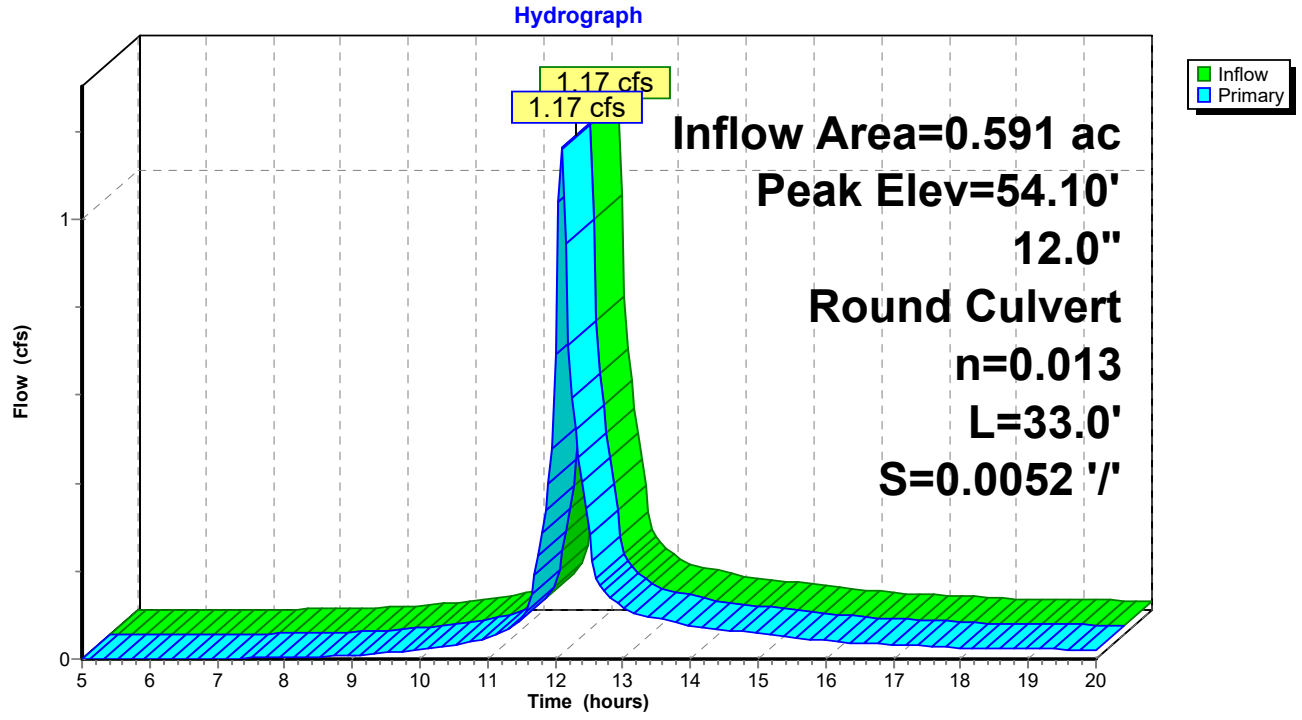
Inflow Area = 0.591 ac, 77.85% Impervious, Inflow Depth > 1.61" for 2-Year event
Inflow = 1.17 cfs @ 12.09 hrs, Volume= 0.079 af
Outflow = 1.17 cfs @ 12.09 hrs, Volume= 0.079 af, Atten= 0%, Lag= 0.0 min
Primary = 1.17 cfs @ 12.09 hrs, Volume= 0.079 af
Routed to Pond 161P : DMH 19

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.10' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.40'	**12.0" Round Culvert** L= 33.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.40' / 53.23' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.14 cfs @ 12.09 hrs HW=54.10' (Free Discharge)
1=Culvert (Barrel Controls 1.14 cfs @ 2.76 fps)

Pond 160P: DMH 20



Stage-Area-Storage for Pond 160P: DMH 20

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.40	**0.000**	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000		
53.89	0.000		
53.90	0.000		
53.91	0.000		
53.92	0.000		

Summary for Pond 161P: DMH 19

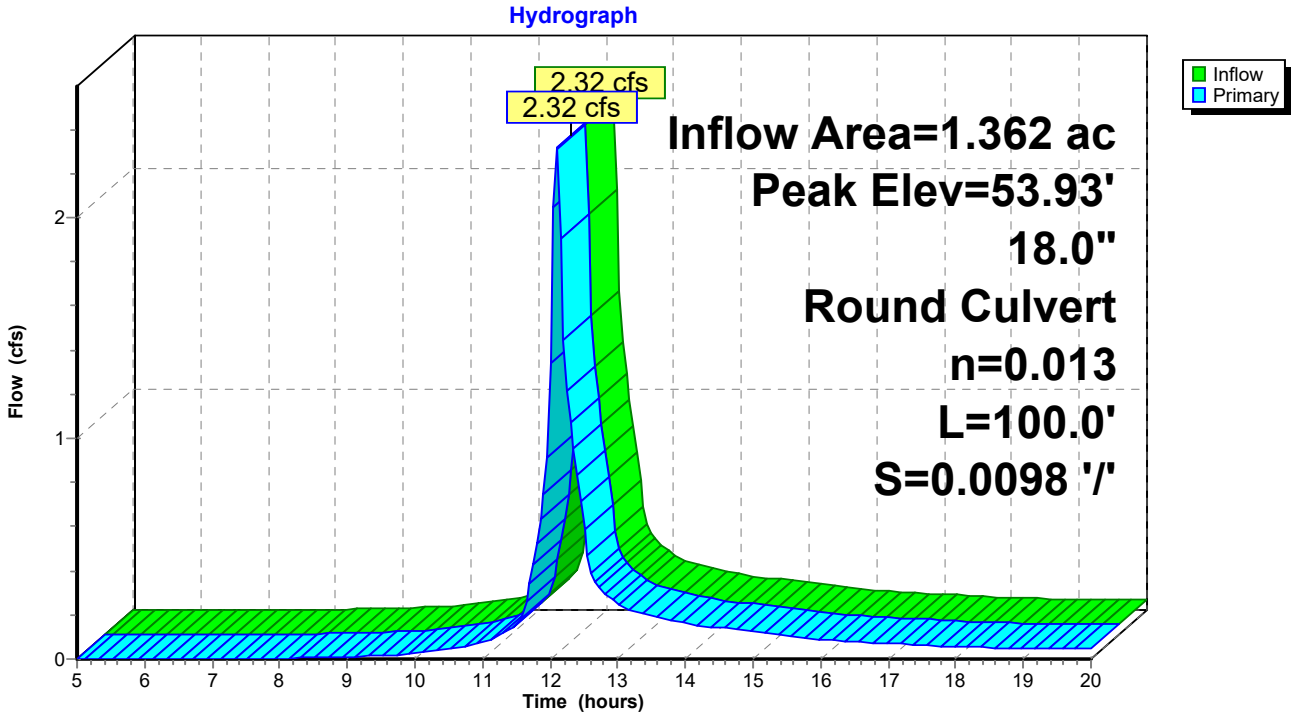
Inflow Area = 1.362 ac, 71.82% Impervious, Inflow Depth > 1.39" for 2-Year event
Inflow = 2.32 cfs @ 12.09 hrs, Volume= 0.158 af
Outflow = 2.32 cfs @ 12.09 hrs, Volume= 0.158 af, Atten= 0%, Lag= 0.0 min
Primary = 2.32 cfs @ 12.09 hrs, Volume= 0.158 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.93' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.13'	**18.0" Round Culvert** L= 100.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.13' / 52.15' S= 0.0098 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.29 cfs @ 12.09 hrs HW=53.93' (Free Discharge)
1=Culvert (Inlet Controls 2.29 cfs @ 2.40 fps)

Pond 161P: DMH 19



Stage-Area-Storage for Pond 161P: DMH 19

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.13	**0.000**	53.66	0.000	54.19	0.000
53.14	0.000	53.67	0.000	54.20	0.000
53.15	0.000	53.68	0.000	54.21	0.000
53.16	0.000	53.69	0.000	54.22	0.000
53.17	0.000	53.70	0.000	54.23	0.000
53.18	0.000	53.71	0.000	54.24	0.000
53.19	0.000	53.72	0.000	54.25	0.000
53.20	0.000	53.73	0.000	54.26	0.000
53.21	0.000	53.74	0.000	54.27	0.000
53.22	0.000	53.75	0.000	54.28	0.000
53.23	0.000	53.76	0.000	54.29	0.000
53.24	0.000	53.77	0.000	54.30	0.000
53.25	0.000	53.78	0.000	54.31	0.000
53.26	0.000	53.79	0.000	54.32	0.000
53.27	0.000	53.80	0.000	54.33	0.000
53.28	0.000	53.81	0.000	54.34	0.000
53.29	0.000	53.82	0.000	54.35	0.000
53.30	0.000	53.83	0.000	54.36	0.000
53.31	0.000	53.84	0.000	54.37	0.000
53.32	0.000	53.85	0.000	54.38	0.000
53.33	0.000	53.86	0.000	54.39	0.000
53.34	0.000	53.87	0.000	54.40	0.000
53.35	0.000	53.88	0.000	54.41	0.000
53.36	0.000	53.89	0.000	54.42	0.000
53.37	0.000	53.90	0.000	54.43	0.000
53.38	0.000	53.91	0.000	54.44	0.000
53.39	0.000	53.92	0.000	54.45	0.000
53.40	0.000	53.93	0.000	54.46	0.000
53.41	0.000	53.94	0.000	54.47	0.000
53.42	0.000	53.95	0.000	54.48	0.000
53.43	0.000	53.96	0.000	54.49	0.000
53.44	0.000	53.97	0.000	54.50	0.000
53.45	0.000	53.98	0.000	54.51	0.000
53.46	0.000	53.99	0.000	54.52	0.000
53.47	0.000	54.00	0.000	54.53	0.000
53.48	0.000	54.01	0.000	54.54	0.000
53.49	0.000	54.02	0.000	54.55	0.000
53.50	0.000	54.03	0.000	54.56	0.000
53.51	0.000	54.04	0.000	54.57	0.000
53.52	0.000	54.05	0.000	54.58	0.000
53.53	0.000	54.06	0.000	54.59	0.000
53.54	0.000	54.07	0.000	54.60	0.000
53.55	0.000	54.08	0.000	54.61	0.000
53.56	0.000	54.09	0.000	54.62	0.000
53.57	0.000	54.10	0.000	54.63	0.000
53.58	0.000	54.11	0.000		
53.59	0.000	54.12	0.000		
53.60	0.000	54.13	0.000		
53.61	0.000	54.14	0.000		
53.62	0.000	54.15	0.000		
53.63	0.000	54.16	0.000		
53.64	0.000	54.17	0.000		
53.65	0.000	54.18	0.000		

Summary for Pond 162P: CB 15

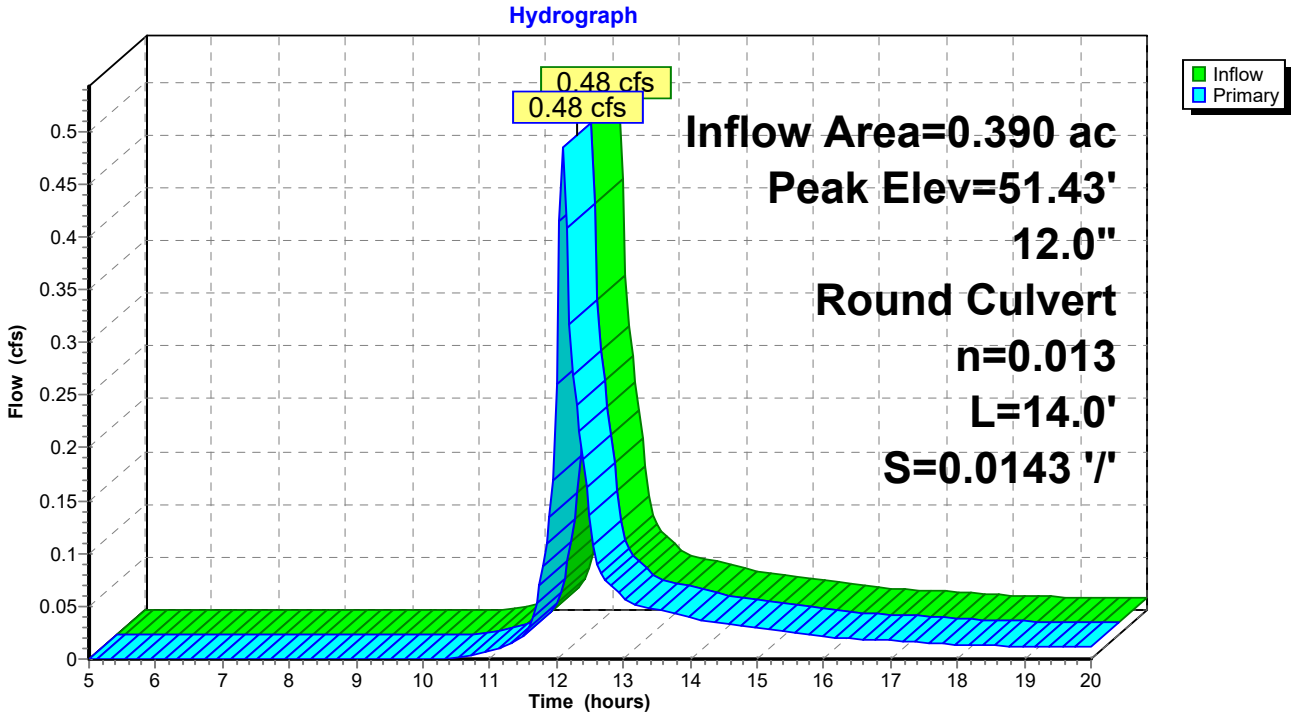
Inflow Area = 0.390 ac, 63.16% Impervious, Inflow Depth > 1.02" for 2-Year event
Inflow = 0.48 cfs @ 12.10 hrs, Volume= 0.033 af
Outflow = 0.48 cfs @ 12.10 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.48 cfs @ 12.10 hrs, Volume= 0.033 af
Routed to Pond 180P : DMH 9

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.43' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.04'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.04' / 50.84' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.48 cfs @ 12.10 hrs HW=51.43' (Free Discharge)
1=Culvert (Inlet Controls 0.48 cfs @ 1.68 fps)

Pond 162P: CB 15



Stage-Area-Storage for Pond 162P: CB 15

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.04	**0.000**	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000		
51.53	0.000		
51.54	0.000		
51.55	0.000		
51.56	0.000		

Summary for Pond 163P: CB 14

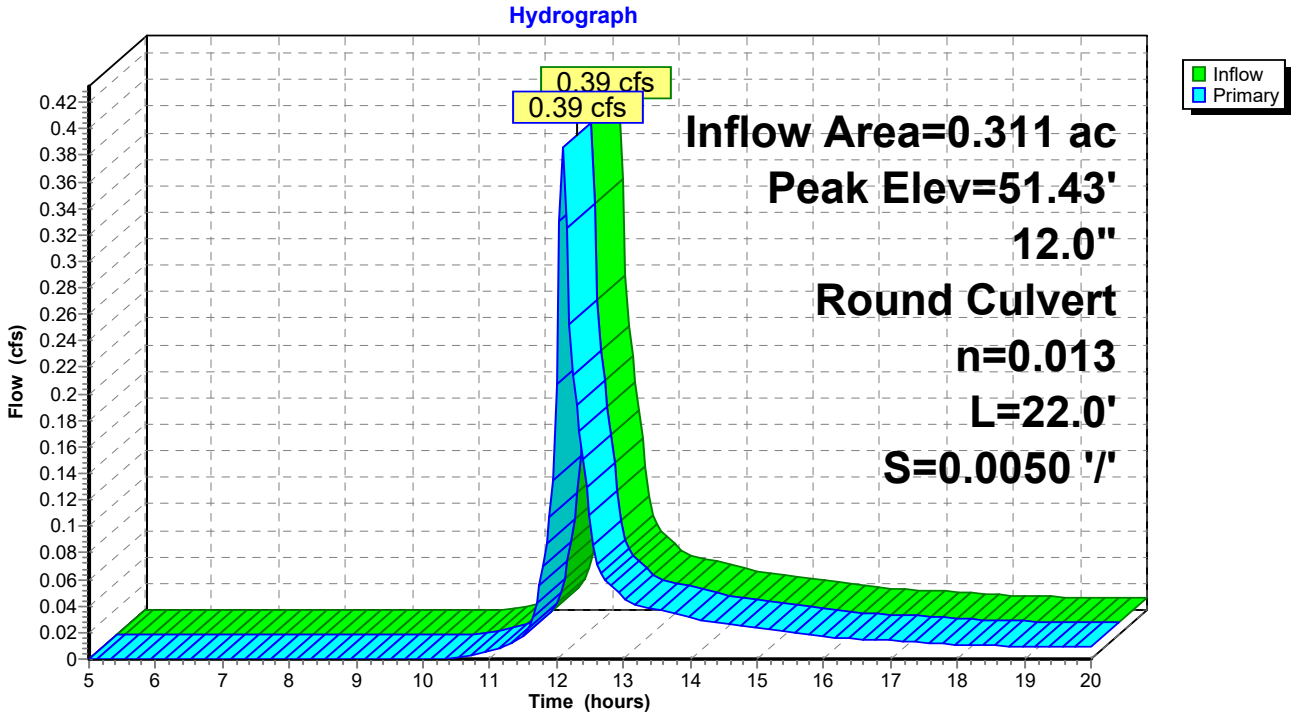
Inflow Area = 0.311 ac, 63.37% Impervious, Inflow Depth > 1.02" for 2-Year event
Inflow = 0.39 cfs @ 12.10 hrs, Volume= 0.026 af
Outflow = 0.39 cfs @ 12.10 hrs, Volume= 0.026 af, Atten= 0%, Lag= 0.0 min
Primary = 0.39 cfs @ 12.10 hrs, Volume= 0.026 af
Routed to Pond 180P : DMH 9

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.43' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.05'	**12.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 50.94' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.38 cfs @ 12.10 hrs HW=51.43' (Free Discharge)
1=Culvert (Barrel Controls 0.38 cfs @ 2.07 fps)

Pond 163P: CB 14



Stage-Area-Storage for Pond 163P: CB 14

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.05	**0.000**	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000		
51.54	0.000		
51.55	0.000		
51.56	0.000		
51.57	0.000		

Summary for Pond 165P: CB 19

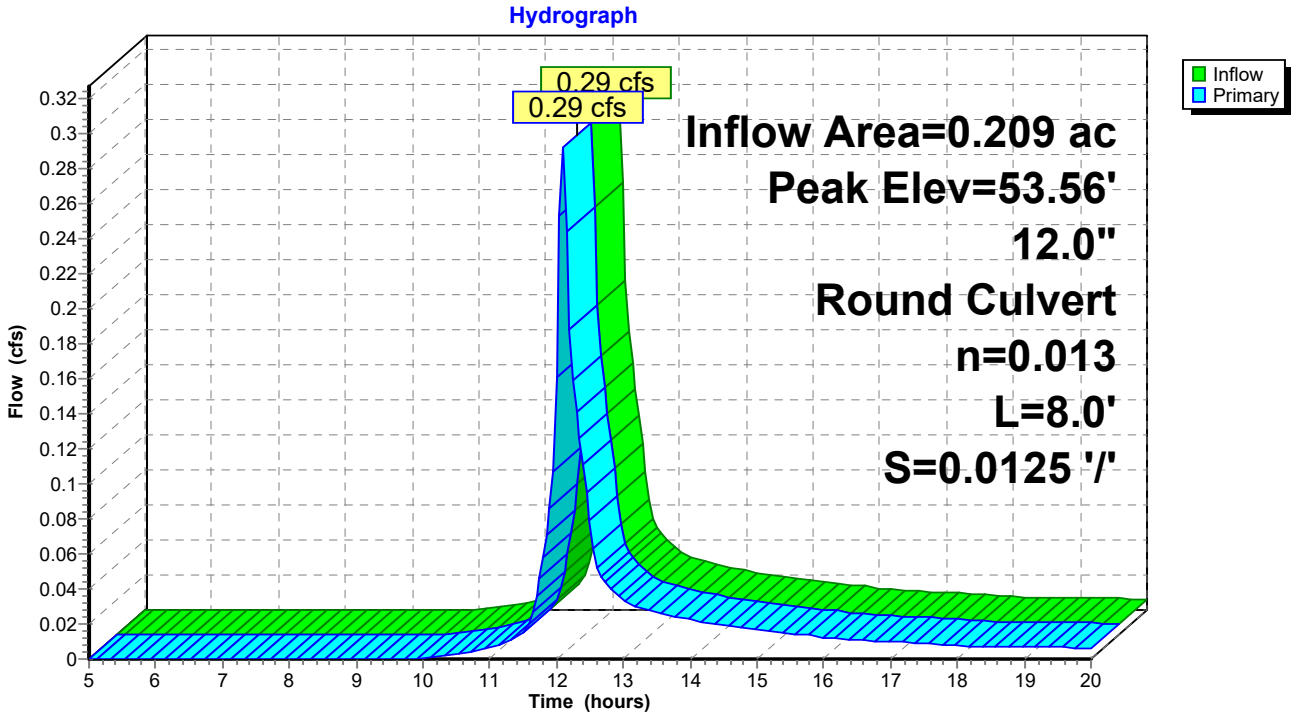
Inflow Area = 0.209 ac, 66.66% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af
Outflow = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.56' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.25'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.25' / 53.15' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.29 cfs @ 12.10 hrs HW=53.55' (Free Discharge)
1=Culvert (Barrel Controls 0.29 cfs @ 2.14 fps)

Pond 165P: CB 19



Stage-Area-Storage for Pond 165P: CB 19

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.25	**0.000**	53.78	0.000
53.26	0.000	53.79	0.000
53.27	0.000	53.80	0.000
53.28	0.000	53.81	0.000
53.29	0.000	53.82	0.000
53.30	0.000	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000		
53.74	0.000		
53.75	0.000		
53.76	0.000		
53.77	0.000		

Summary for Pond 166P: DMH 13

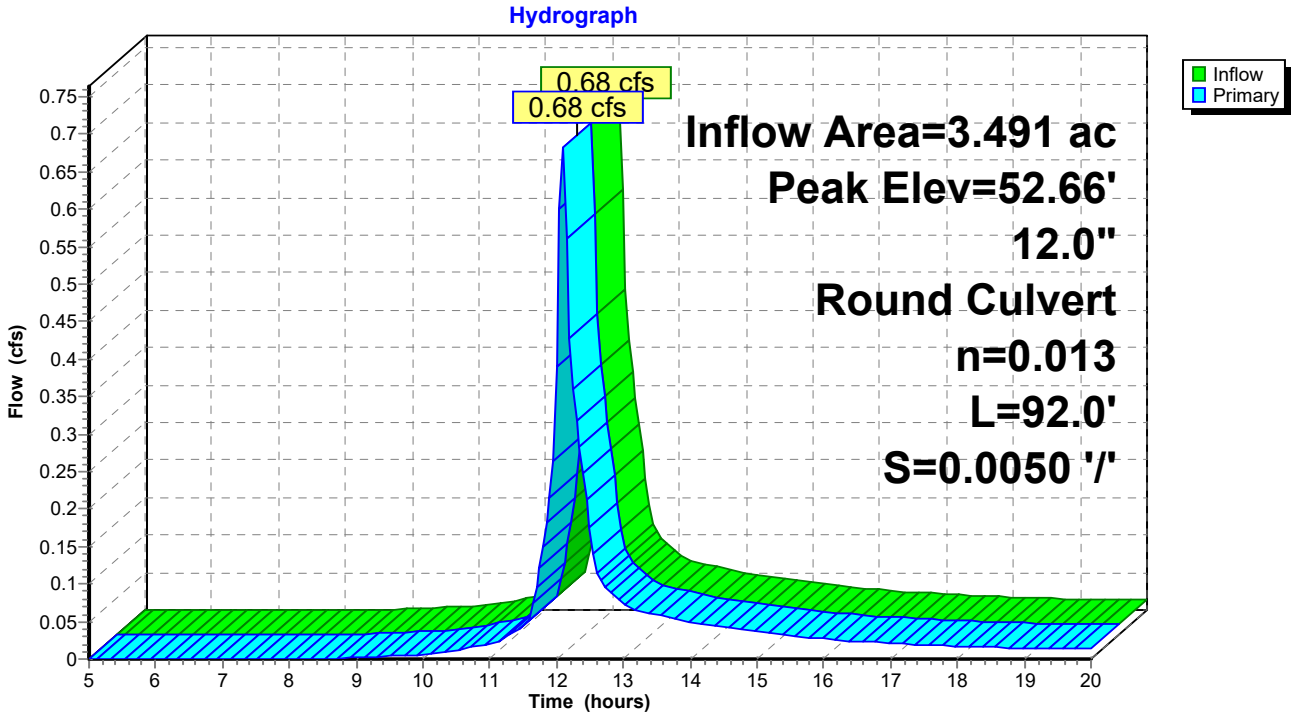
Inflow Area = 3.491 ac, 67.77% Impervious, Inflow Depth > 0.16" for 2-Year event
Inflow = 0.68 cfs @ 12.10 hrs, Volume= 0.046 af
Outflow = 0.68 cfs @ 12.10 hrs, Volume= 0.046 af, Atten= 0%, Lag= 0.0 min
Primary = 0.68 cfs @ 12.10 hrs, Volume= 0.046 af
Routed to Pond 169P : DMH 12

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.66' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.16'	**12.0" Round Culvert** L= 92.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.16' / 51.70' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.67 cfs @ 12.10 hrs HW=52.65' (Free Discharge)
1=Culvert (Barrel Controls 0.67 cfs @ 2.56 fps)

Pond 166P: DMH 13



Stage-Area-Storage for Pond 166P: DMH 13

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.16	**0.000**	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000		
52.65	0.000		
52.66	0.000		
52.67	0.000		
52.68	0.000		

Summary for Pond 167P: CB 11

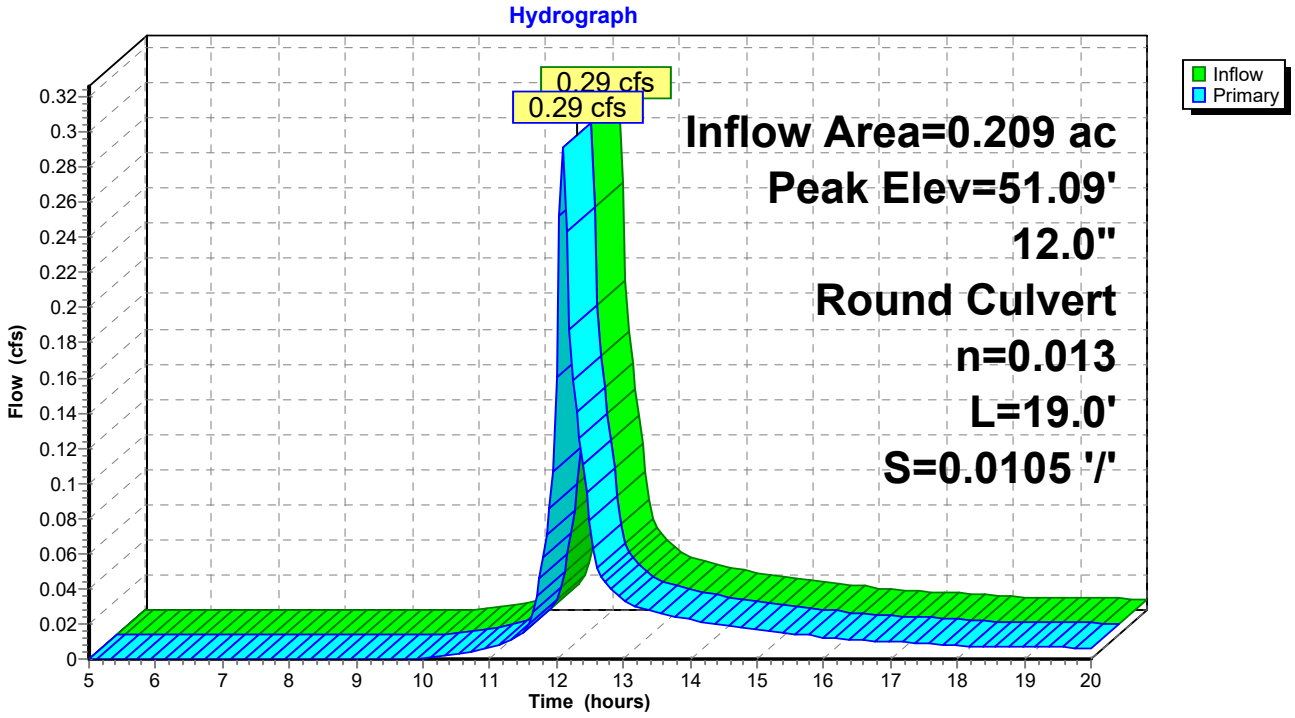
Inflow Area = 0.209 ac, 65.78% Impervious, Inflow Depth > 1.14" for 2-Year event
Inflow = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af
Outflow = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.10 hrs, Volume= 0.020 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.09' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.79'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.79' / 50.59' S= 0.0105 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.29 cfs @ 12.10 hrs HW=51.09' (Free Discharge)
1=Culvert (Inlet Controls 0.29 cfs @ 1.47 fps)

Pond 167P: CB 11



Stage-Area-Storage for Pond 167P: CB 11

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.79	**0.000**	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000		
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		

Summary for Pond 168P: CB 10

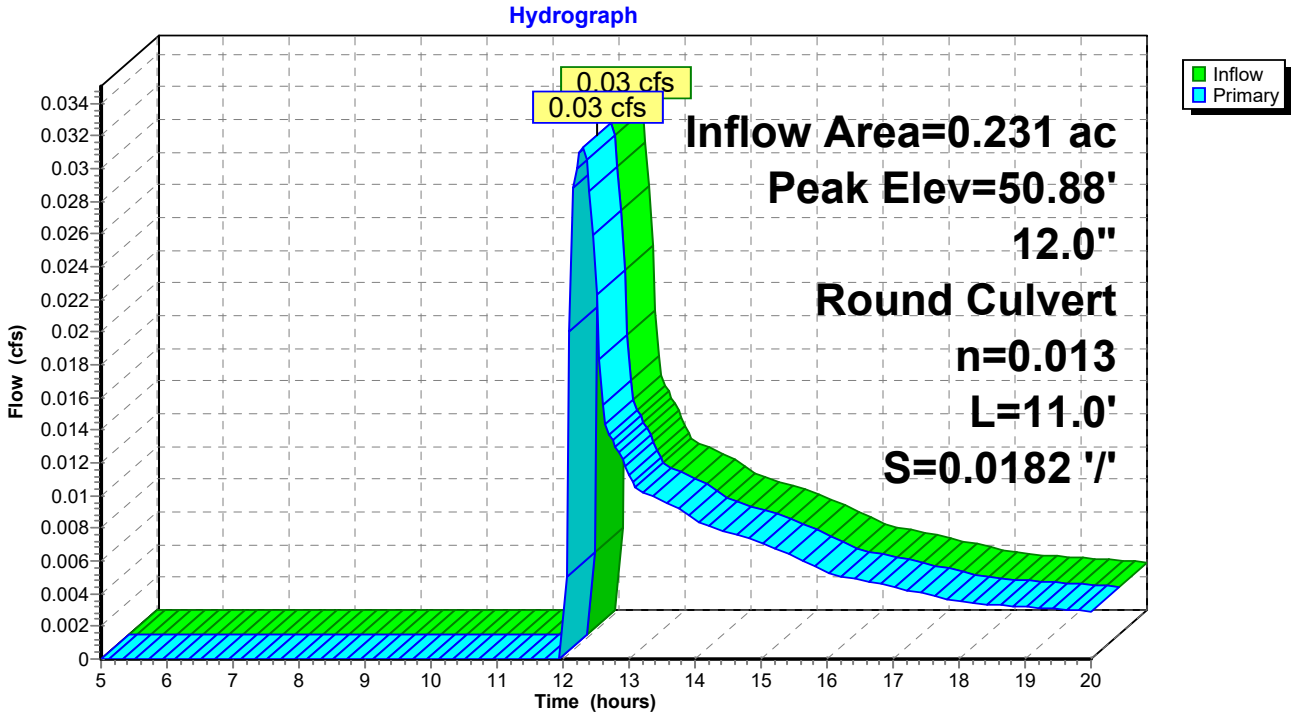
Inflow Area = 0.231 ac, 30.05% Impervious, Inflow Depth > 0.25" for 2-Year event
Inflow = 0.03 cfs @ 12.29 hrs, Volume= 0.005 af
Outflow = 0.03 cfs @ 12.29 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.0 min
Primary = 0.03 cfs @ 12.29 hrs, Volume= 0.005 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.88' @ 12.29 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.79'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.79' / 50.59' S= 0.0182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.03 cfs @ 12.29 hrs HW=50.88' (Free Discharge)
1=Culvert (Inlet Controls 0.03 cfs @ 0.83 fps)

Pond 168P: CB 10



Stage-Area-Storage for Pond 168P: CB 10

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.79	**0.000**	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000		
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		

Summary for Pond 169P: DMH 12

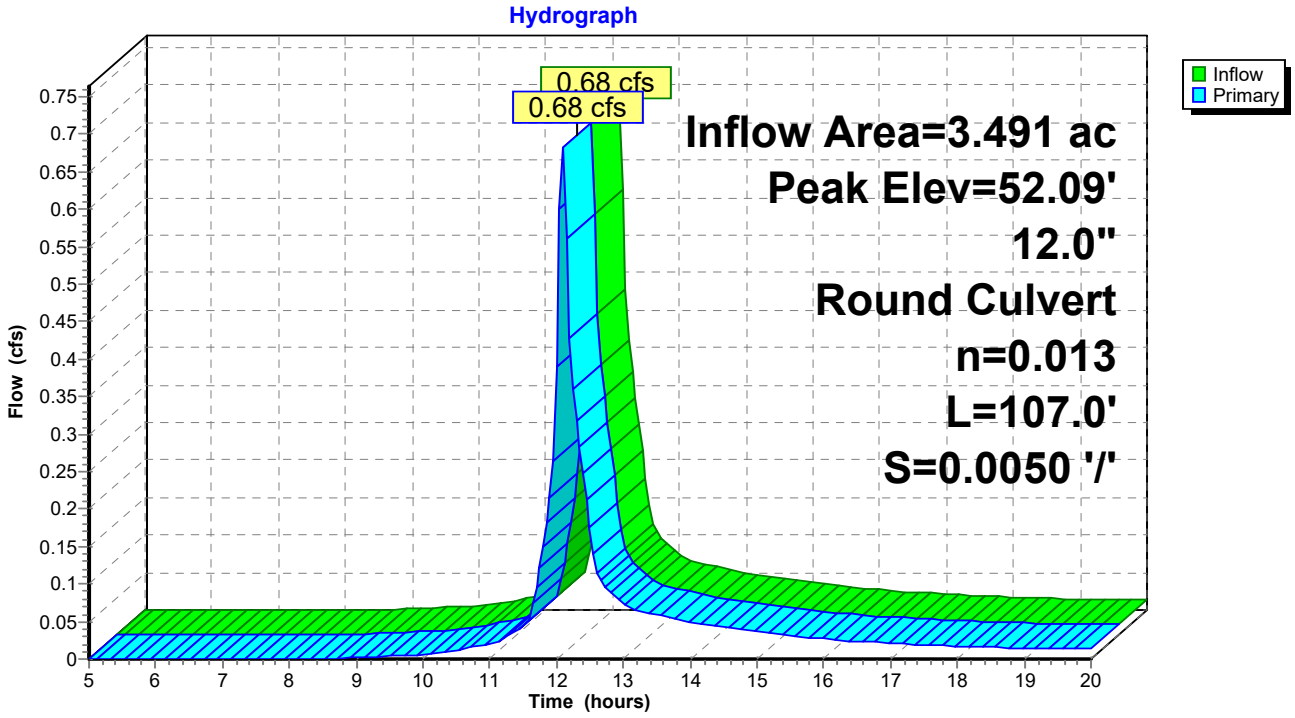
Inflow Area = 3.491 ac, 67.77% Impervious, Inflow Depth > 0.16" for 2-Year event
Inflow = 0.68 cfs @ 12.10 hrs, Volume= 0.046 af
Outflow = 0.68 cfs @ 12.10 hrs, Volume= 0.046 af, Atten= 0%, Lag= 0.0 min
Primary = 0.68 cfs @ 12.10 hrs, Volume= 0.046 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.09' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.60'	**12.0" Round Culvert** L= 107.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.60' / 51.06' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.67 cfs @ 12.10 hrs HW=52.09' (Free Discharge)
1=Culvert (Barrel Controls 0.67 cfs @ 2.58 fps)

Pond 169P: DMH 12



Stage-Area-Storage for Pond 169P: DMH 12

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.60	**0.000**	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000	52.26	0.000
51.74	0.000	52.27	0.000
51.75	0.000	52.28	0.000
51.76	0.000	52.29	0.000
51.77	0.000	52.30	0.000
51.78	0.000	52.31	0.000
51.79	0.000	52.32	0.000
51.80	0.000	52.33	0.000
51.81	0.000	52.34	0.000
51.82	0.000	52.35	0.000
51.83	0.000	52.36	0.000
51.84	0.000	52.37	0.000
51.85	0.000	52.38	0.000
51.86	0.000	52.39	0.000
51.87	0.000	52.40	0.000
51.88	0.000	52.41	0.000
51.89	0.000	52.42	0.000
51.90	0.000	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000		
52.09	0.000		
52.10	0.000		
52.11	0.000		
52.12	0.000		

Summary for Pond 170P: CB 9

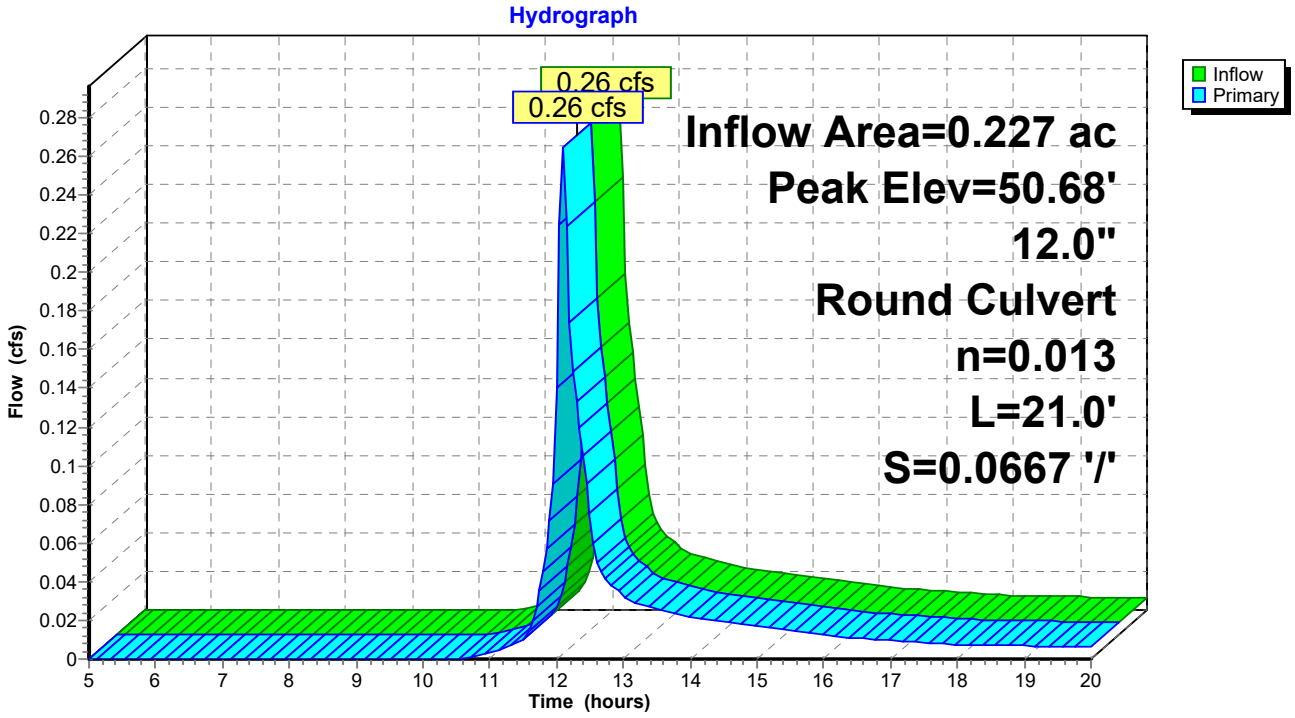
Inflow Area = 0.227 ac, 61.54% Impervious, Inflow Depth > 0.97" for 2-Year event
Inflow = 0.26 cfs @ 12.10 hrs, Volume= 0.018 af
Outflow = 0.26 cfs @ 12.10 hrs, Volume= 0.018 af, Atten= 0%, Lag= 0.0 min
Primary = 0.26 cfs @ 12.10 hrs, Volume= 0.018 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.68' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.40'	**12.0" Round Culvert** L= 21.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.40' / 49.00' S= 0.0667 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.26 cfs @ 12.10 hrs HW=50.68' (Free Discharge)
1=Culvert (Inlet Controls 0.26 cfs @ 1.43 fps)

Pond 170P: CB 9



Stage-Area-Storage for Pond 170P: CB 9

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.40	**0.000**	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000		
50.89	0.000		
50.90	0.000		
50.91	0.000		
50.92	0.000		

Summary for Pond 171P: DMH 6

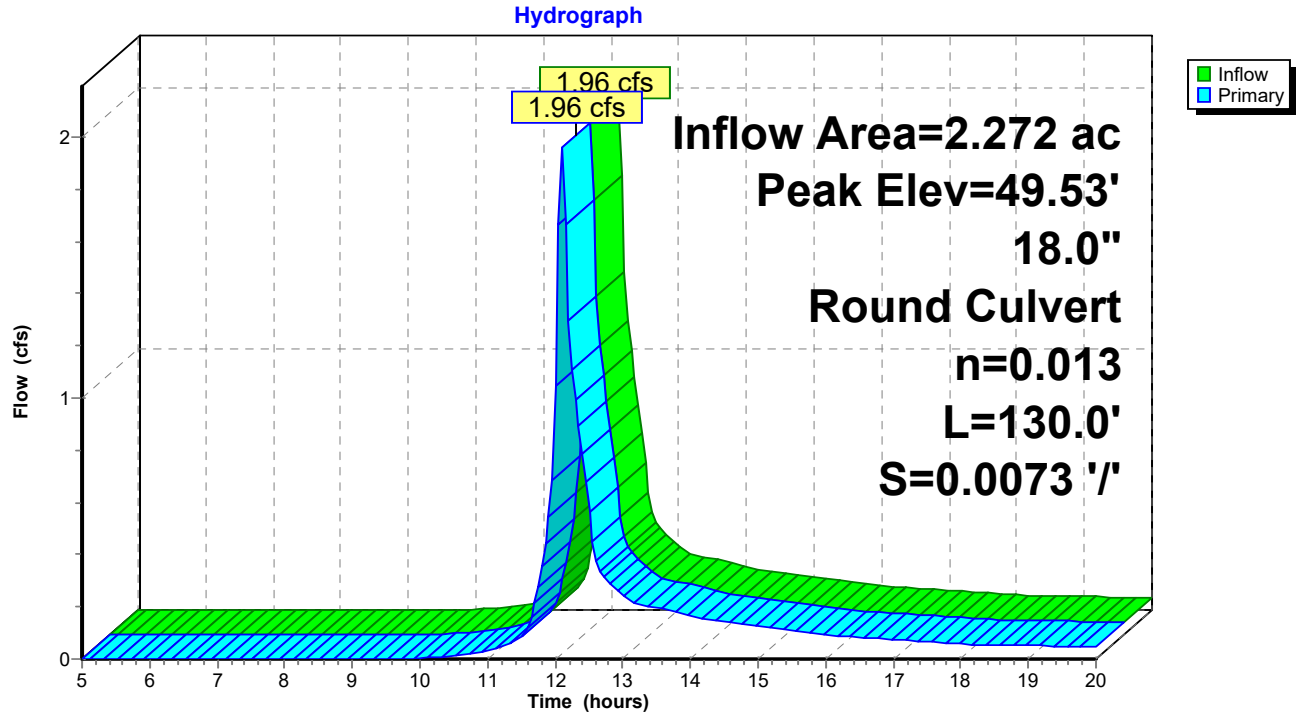
Inflow Area = 2.272 ac, 49.70% Impervious, Inflow Depth > 0.73" for 2-Year event
Inflow = 1.96 cfs @ 12.10 hrs, Volume= 0.138 af
Outflow = 1.96 cfs @ 12.10 hrs, Volume= 0.138 af, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 12.10 hrs, Volume= 0.138 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.53' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.80'	**18.0" Round Culvert** L= 130.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.80' / 47.85' S= 0.0073 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.96 cfs @ 12.10 hrs HW=49.53' (Free Discharge)
1=Culvert (Inlet Controls 1.96 cfs @ 2.30 fps)

Pond 171P: DMH 6



Stage-Area-Storage for Pond 171P: DMH 6

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.80	**0.000**	49.33	0.000	49.86	0.000
48.81	0.000	49.34	0.000	49.87	0.000
48.82	0.000	49.35	0.000	49.88	0.000
48.83	0.000	49.36	0.000	49.89	0.000
48.84	0.000	49.37	0.000	49.90	0.000
48.85	0.000	49.38	0.000	49.91	0.000
48.86	0.000	49.39	0.000	49.92	0.000
48.87	0.000	49.40	0.000	49.93	0.000
48.88	0.000	49.41	0.000	49.94	0.000
48.89	0.000	49.42	0.000	49.95	0.000
48.90	0.000	49.43	0.000	49.96	0.000
48.91	0.000	49.44	0.000	49.97	0.000
48.92	0.000	49.45	0.000	49.98	0.000
48.93	0.000	49.46	0.000	49.99	0.000
48.94	0.000	49.47	0.000	50.00	0.000
48.95	0.000	49.48	0.000	50.01	0.000
48.96	0.000	49.49	0.000	50.02	0.000
48.97	0.000	49.50	0.000	50.03	0.000
48.98	0.000	49.51	0.000	50.04	0.000
48.99	0.000	49.52	0.000	50.05	0.000
49.00	0.000	49.53	0.000	50.06	0.000
49.01	0.000	49.54	0.000	50.07	0.000
49.02	0.000	49.55	0.000	50.08	0.000
49.03	0.000	49.56	0.000	50.09	0.000
49.04	0.000	49.57	0.000	50.10	0.000
49.05	0.000	49.58	0.000	50.11	0.000
49.06	0.000	49.59	0.000	50.12	0.000
49.07	0.000	49.60	0.000	50.13	0.000
49.08	0.000	49.61	0.000	50.14	0.000
49.09	0.000	49.62	0.000	50.15	0.000
49.10	0.000	49.63	0.000	50.16	0.000
49.11	0.000	49.64	0.000	50.17	0.000
49.12	0.000	49.65	0.000	50.18	0.000
49.13	0.000	49.66	0.000	50.19	0.000
49.14	0.000	49.67	0.000	50.20	0.000
49.15	0.000	49.68	0.000	50.21	0.000
49.16	0.000	49.69	0.000	50.22	0.000
49.17	0.000	49.70	0.000	50.23	0.000
49.18	0.000	49.71	0.000	50.24	0.000
49.19	0.000	49.72	0.000	50.25	0.000
49.20	0.000	49.73	0.000	50.26	0.000
49.21	0.000	49.74	0.000	50.27	0.000
49.22	0.000	49.75	0.000	50.28	0.000
49.23	0.000	49.76	0.000	50.29	0.000
49.24	0.000	49.77	0.000	50.30	0.000
49.25	0.000	49.78	0.000		
49.26	0.000	49.79	0.000		
49.27	0.000	49.80	0.000		
49.28	0.000	49.81	0.000		
49.29	0.000	49.82	0.000		
49.30	0.000	49.83	0.000		
49.31	0.000	49.84	0.000		
49.32	0.000	49.85	0.000		

Summary for Pond 172P: CB 16

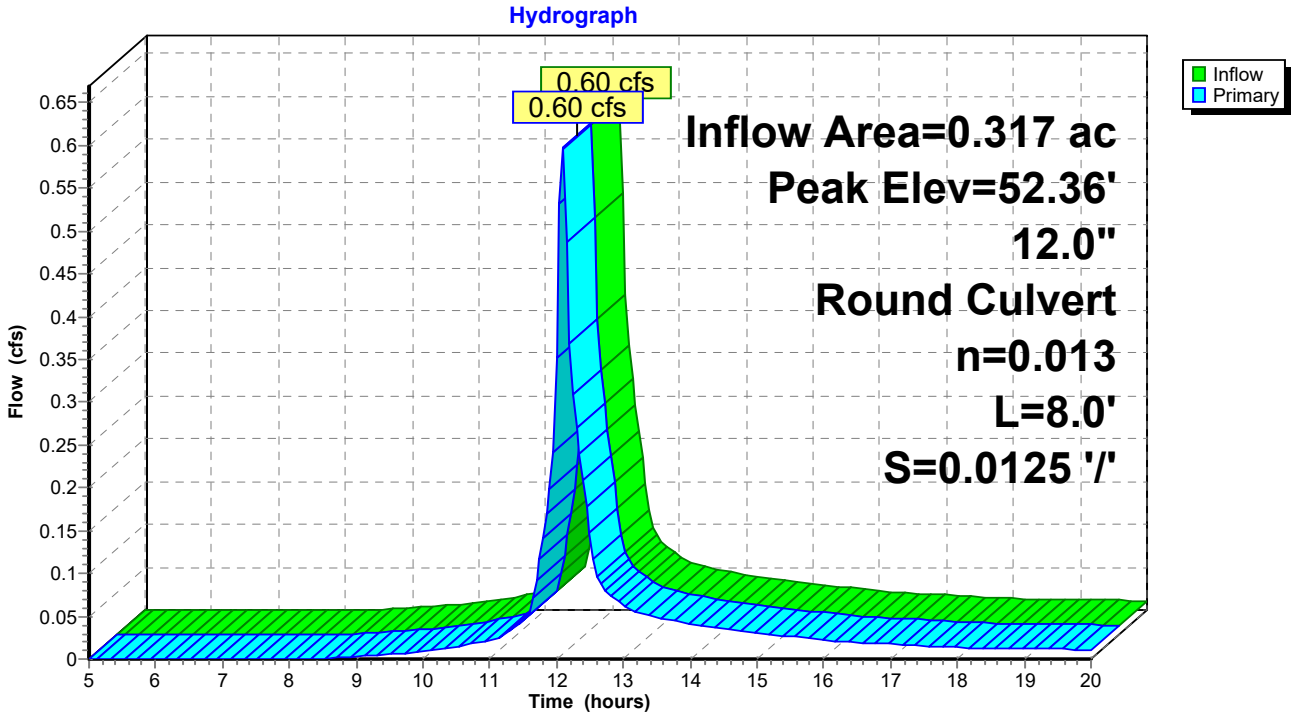
Inflow Area = 0.317 ac, 75.85% Impervious, Inflow Depth > 1.53" for 2-Year event
Inflow = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af
Outflow = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.36' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.90'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.90' / 51.80' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.59 cfs @ 12.09 hrs HW=52.36' (Free Discharge)
1=Culvert (Barrel Controls 0.59 cfs @ 2.47 fps)

Pond 172P: CB 16



Stage-Area-Storage for Pond 172P: CB 16

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.90	**0.000**	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000		
52.39	0.000		
52.40	0.000		
52.41	0.000		
52.42	0.000		

Summary for Pond 173P: CB 17

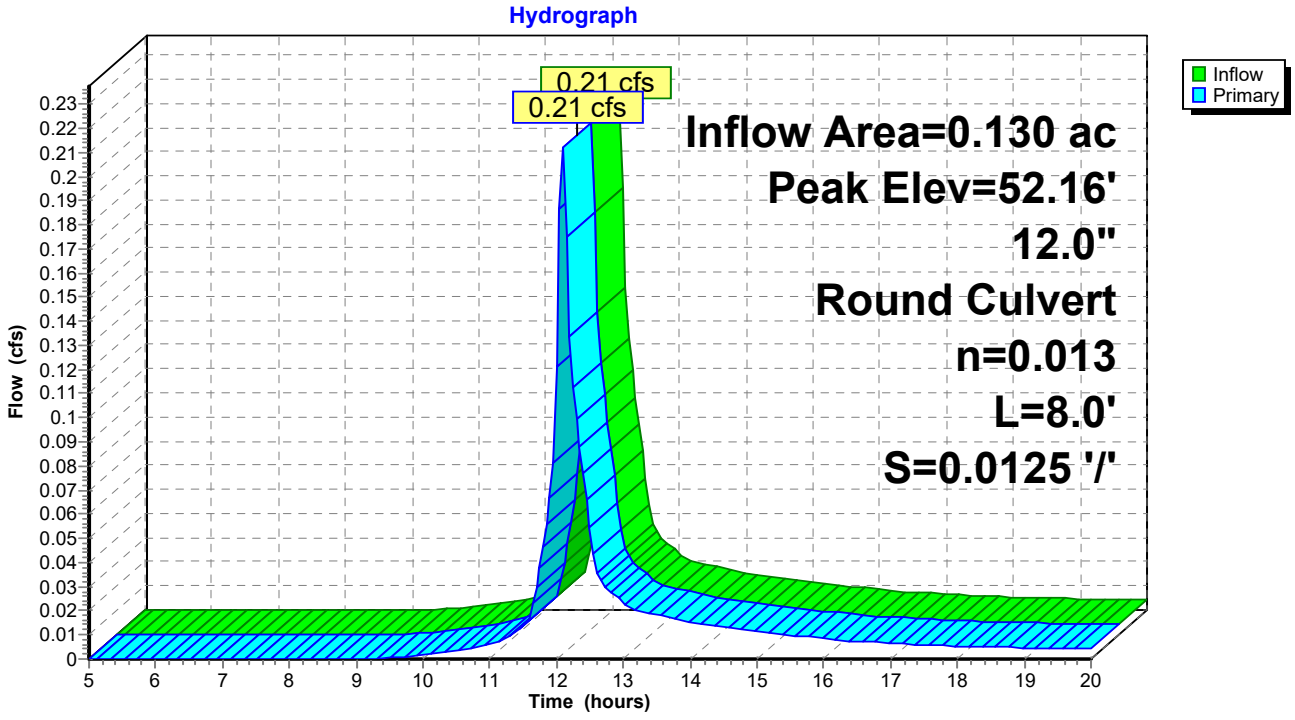
Inflow Area = 0.130 ac, 71.18% Impervious, Inflow Depth > 1.32" for 2-Year event
Inflow = 0.21 cfs @ 12.10 hrs, Volume= 0.014 af
Outflow = 0.21 cfs @ 12.10 hrs, Volume= 0.014 af, Atten= 0%, Lag= 0.0 min
Primary = 0.21 cfs @ 12.10 hrs, Volume= 0.014 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.16' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.90'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.90' / 51.80' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.21 cfs @ 12.10 hrs HW=52.15' (Free Discharge)
1=Culvert (Barrel Controls 0.21 cfs @ 2.01 fps)

Pond 173P: CB 17



Stage-Area-Storage for Pond 173P: CB 17

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.90	**0.000**	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000		
52.39	0.000		
52.40	0.000		
52.41	0.000		
52.42	0.000		

Summary for Pond 174P: DMH 11

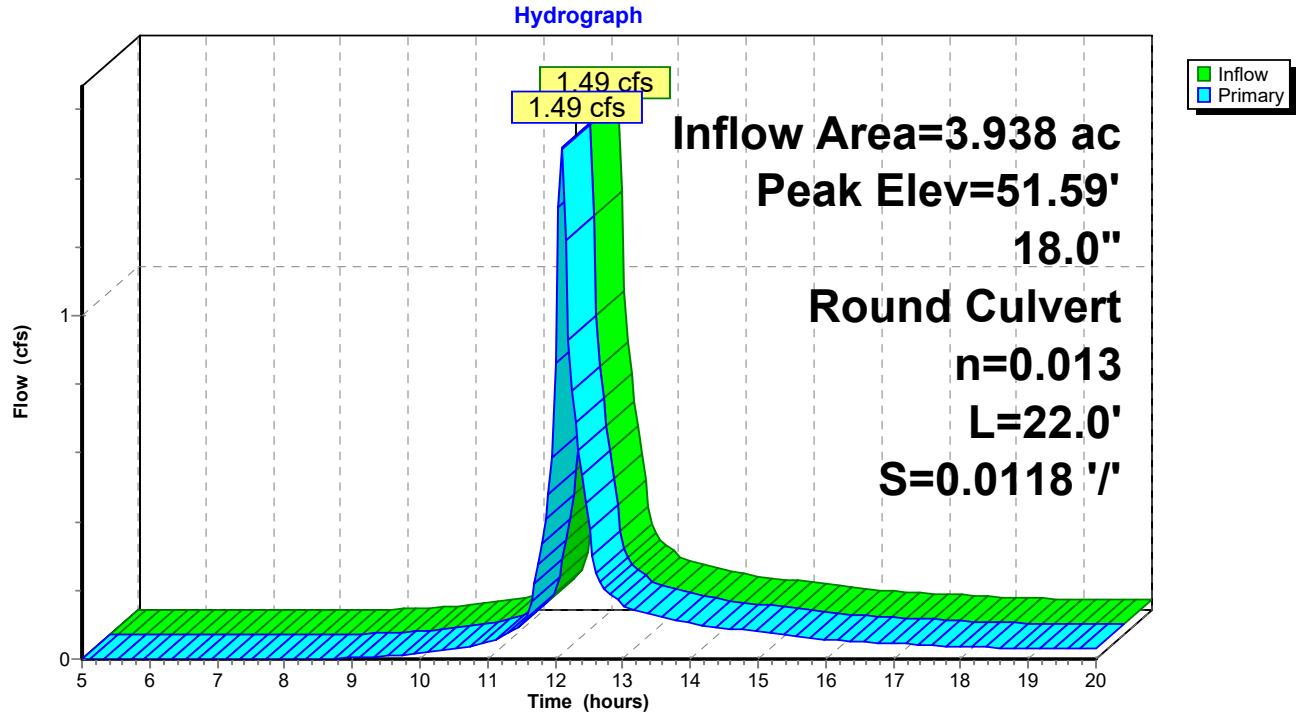
Inflow Area = 3.938 ac, 68.53% Impervious, Inflow Depth > 0.31" for 2-Year event
Inflow = 1.49 cfs @ 12.09 hrs, Volume= 0.101 af
Outflow = 1.49 cfs @ 12.09 hrs, Volume= 0.101 af, Atten= 0%, Lag= 0.0 min
Primary = 1.49 cfs @ 12.09 hrs, Volume= 0.101 af
Routed to Pond 217P : DMH 8A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.59' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.96'	**18.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.96' / 50.70' S= 0.0118 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.47 cfs @ 12.09 hrs HW=51.58' (Free Discharge)
1=Culvert (Inlet Controls 1.47 cfs @ 2.12 fps)

Pond 174P: DMH 11



Stage-Area-Storage for Pond 174P: DMH 11

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.96	**0.000**	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000	52.05	0.000
51.00	0.000	51.53	0.000	52.06	0.000
51.01	0.000	51.54	0.000	52.07	0.000
51.02	0.000	51.55	0.000	52.08	0.000
51.03	0.000	51.56	0.000	52.09	0.000
51.04	0.000	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000	52.11	0.000
51.06	0.000	51.59	0.000	52.12	0.000
51.07	0.000	51.60	0.000	52.13	0.000
51.08	0.000	51.61	0.000	52.14	0.000
51.09	0.000	51.62	0.000	52.15	0.000
51.10	0.000	51.63	0.000	52.16	0.000
51.11	0.000	51.64	0.000	52.17	0.000
51.12	0.000	51.65	0.000	52.18	0.000
51.13	0.000	51.66	0.000	52.19	0.000
51.14	0.000	51.67	0.000	52.20	0.000
51.15	0.000	51.68	0.000	52.21	0.000
51.16	0.000	51.69	0.000	52.22	0.000
51.17	0.000	51.70	0.000	52.23	0.000
51.18	0.000	51.71	0.000	52.24	0.000
51.19	0.000	51.72	0.000	52.25	0.000
51.20	0.000	51.73	0.000	52.26	0.000
51.21	0.000	51.74	0.000	52.27	0.000
51.22	0.000	51.75	0.000	52.28	0.000
51.23	0.000	51.76	0.000	52.29	0.000
51.24	0.000	51.77	0.000	52.30	0.000
51.25	0.000	51.78	0.000	52.31	0.000
51.26	0.000	51.79	0.000	52.32	0.000
51.27	0.000	51.80	0.000	52.33	0.000
51.28	0.000	51.81	0.000	52.34	0.000
51.29	0.000	51.82	0.000	52.35	0.000
51.30	0.000	51.83	0.000	52.36	0.000
51.31	0.000	51.84	0.000	52.37	0.000
51.32	0.000	51.85	0.000	52.38	0.000
51.33	0.000	51.86	0.000	52.39	0.000
51.34	0.000	51.87	0.000	52.40	0.000
51.35	0.000	51.88	0.000	52.41	0.000
51.36	0.000	51.89	0.000	52.42	0.000
51.37	0.000	51.90	0.000	52.43	0.000
51.38	0.000	51.91	0.000	52.44	0.000
51.39	0.000	51.92	0.000	52.45	0.000
51.40	0.000	51.93	0.000	52.46	0.000
51.41	0.000	51.94	0.000		
51.42	0.000	51.95	0.000		
51.43	0.000	51.96	0.000		
51.44	0.000	51.97	0.000		
51.45	0.000	51.98	0.000		
51.46	0.000	51.99	0.000		
51.47	0.000	52.00	0.000		
51.48	0.000	52.01	0.000		

Summary for Pond 175P: DMH 5

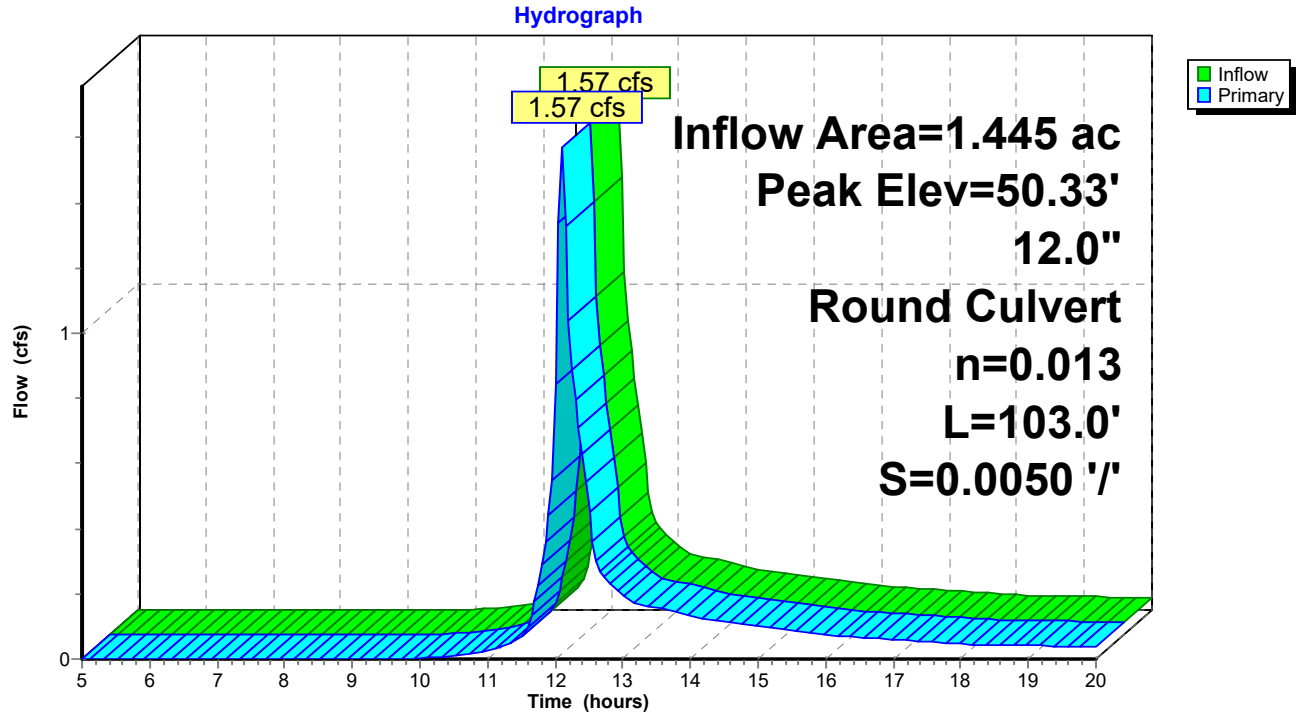
Inflow Area = 1.445 ac, 58.41% Impervious, Inflow Depth > 0.93" for 2-Year event
Inflow = 1.57 cfs @ 12.10 hrs, Volume= 0.111 af
Outflow = 1.57 cfs @ 12.10 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Primary = 1.57 cfs @ 12.10 hrs, Volume= 0.111 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.33' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.52'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.52' / 49.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.57 cfs @ 12.10 hrs HW=50.33' (Free Discharge)
1=Culvert (Barrel Controls 1.57 cfs @ 3.15 fps)

Pond 175P: DMH 5



Stage-Area-Storage for Pond 175P: DMH 5

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.52	**0.000**	50.05	0.000
49.53	0.000	50.06	0.000
49.54	0.000	50.07	0.000
49.55	0.000	50.08	0.000
49.56	0.000	50.09	0.000
49.57	0.000	50.10	0.000
49.58	0.000	50.11	0.000
49.59	0.000	50.12	0.000
49.60	0.000	50.13	0.000
49.61	0.000	50.14	0.000
49.62	0.000	50.15	0.000
49.63	0.000	50.16	0.000
49.64	0.000	50.17	0.000
49.65	0.000	50.18	0.000
49.66	0.000	50.19	0.000
49.67	0.000	50.20	0.000
49.68	0.000	50.21	0.000
49.69	0.000	50.22	0.000
49.70	0.000	50.23	0.000
49.71	0.000	50.24	0.000
49.72	0.000	50.25	0.000
49.73	0.000	50.26	0.000
49.74	0.000	50.27	0.000
49.75	0.000	50.28	0.000
49.76	0.000	50.29	0.000
49.77	0.000	50.30	0.000
49.78	0.000	50.31	0.000
49.79	0.000	50.32	0.000
49.80	0.000	50.33	0.000
49.81	0.000	50.34	0.000
49.82	0.000	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000		
50.01	0.000		
50.02	0.000		
50.03	0.000		
50.04	0.000		

Summary for Pond 176P: CB 6

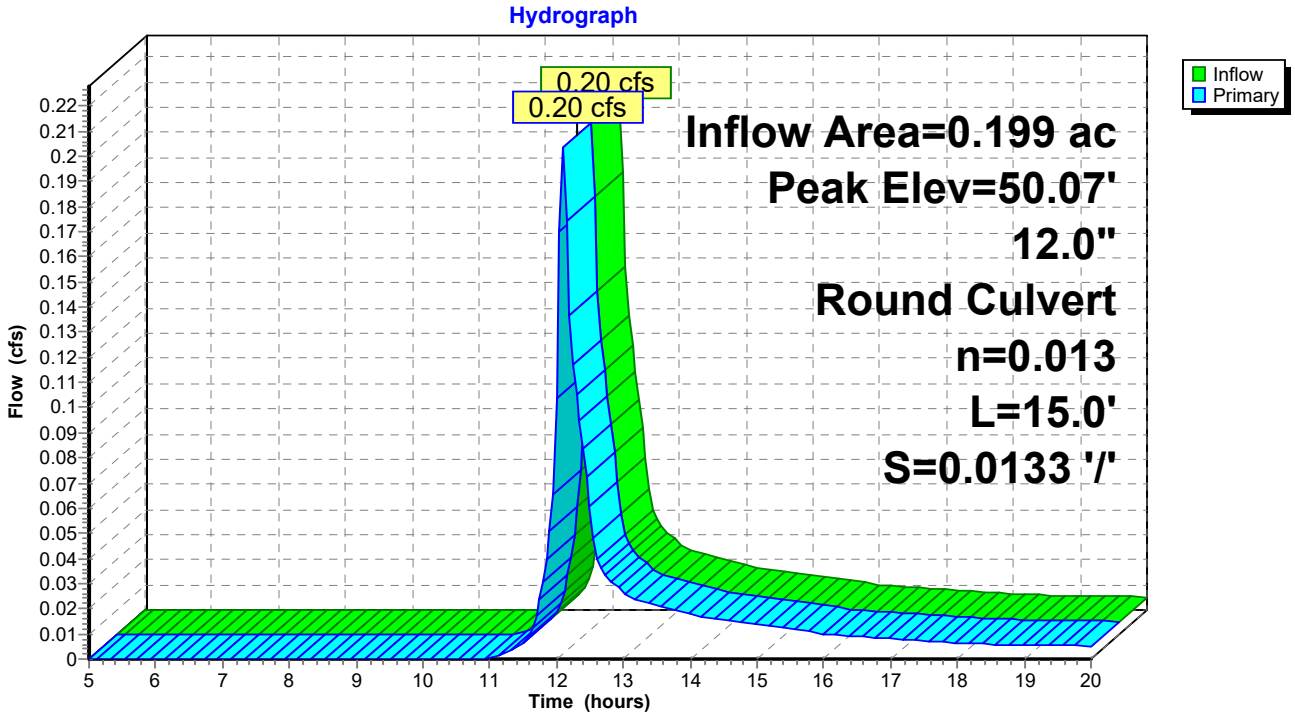
Inflow Area = 0.199 ac, 57.72% Impervious, Inflow Depth > 0.86" for 2-Year event
Inflow = 0.20 cfs @ 12.10 hrs, Volume= 0.014 af
Outflow = 0.20 cfs @ 12.10 hrs, Volume= 0.014 af, Atten= 0%, Lag= 0.0 min
Primary = 0.20 cfs @ 12.10 hrs, Volume= 0.014 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.07' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.82'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.82' / 49.62' S= 0.0133 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.20 cfs @ 12.10 hrs HW=50.07' (Free Discharge)
1=Culvert (Inlet Controls 0.20 cfs @ 1.34 fps)

Pond 176P: CB 6



Stage-Area-Storage for Pond 176P: CB 6

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.82	**0.000**	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000	50.64	0.000
50.12	0.000	50.65	0.000
50.13	0.000	50.66	0.000
50.14	0.000	50.67	0.000
50.15	0.000	50.68	0.000
50.16	0.000	50.69	0.000
50.17	0.000	50.70	0.000
50.18	0.000	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000		
50.31	0.000		
50.32	0.000		
50.33	0.000		
50.34	0.000		

Summary for Pond 177P: CB 13

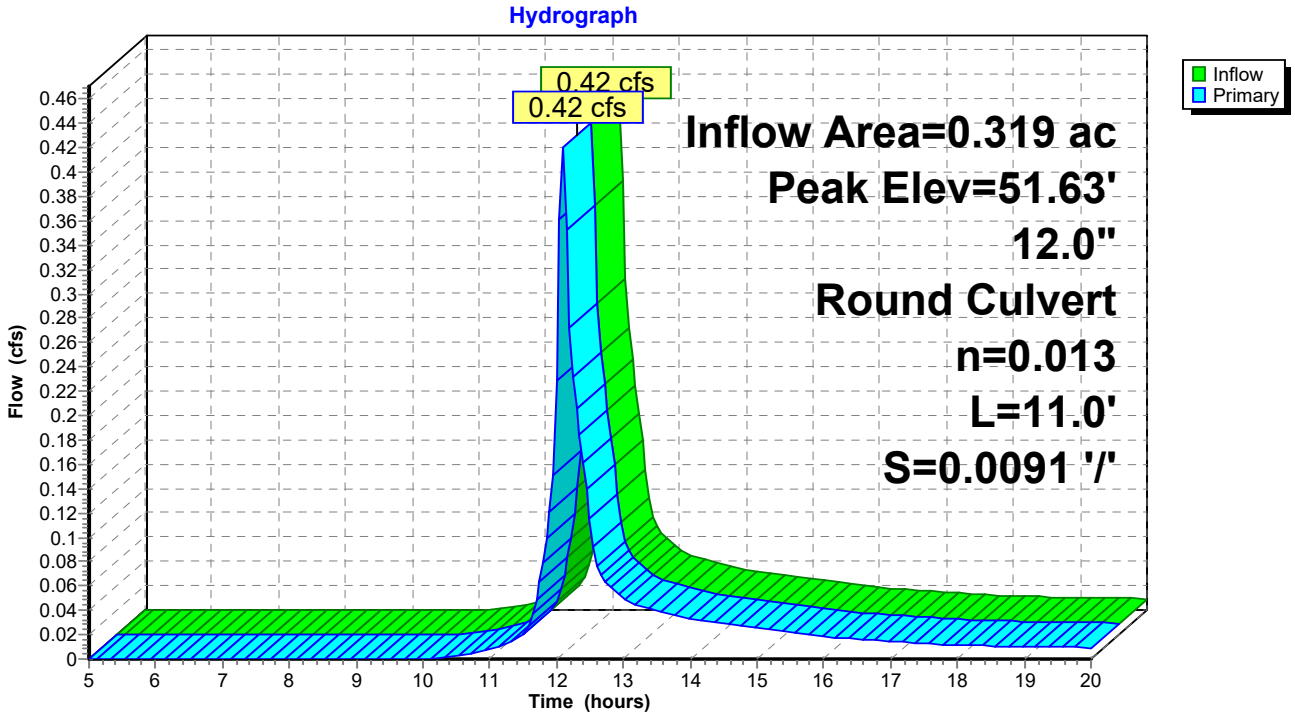
Inflow Area = 0.319 ac, 64.43% Impervious, Inflow Depth > 1.08" for 2-Year event
Inflow = 0.42 cfs @ 12.10 hrs, Volume= 0.029 af
Outflow = 0.42 cfs @ 12.10 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.42 cfs @ 12.10 hrs, Volume= 0.029 af
Routed to Pond 179P : DMH 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.63' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.25'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.25' / 51.15' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.42 cfs @ 12.10 hrs HW=51.63' (Free Discharge)
1=Culvert (Barrel Controls 0.42 cfs @ 2.24 fps)

Pond 177P: CB 13



Stage-Area-Storage for Pond 177P: CB 13

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.25	**0.000**	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000		
51.74	0.000		
51.75	0.000		
51.76	0.000		
51.77	0.000		

Summary for Pond 178P: CB 12

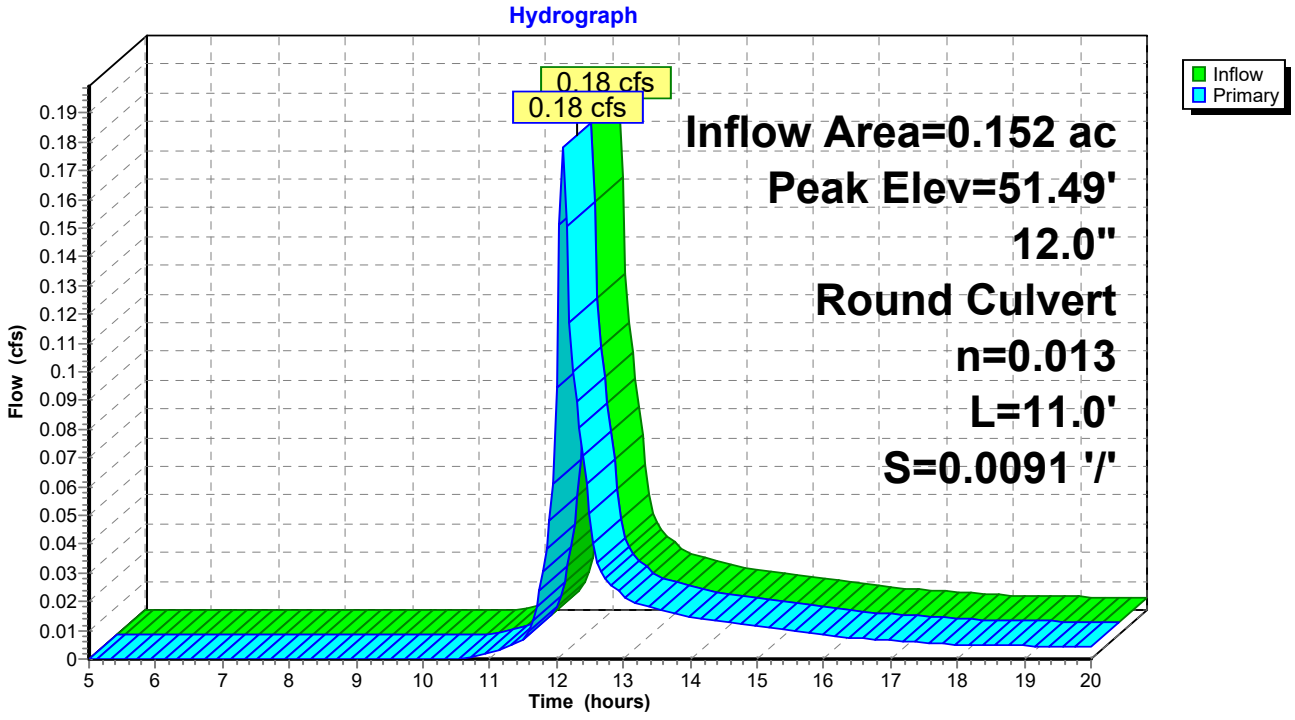
Inflow Area = 0.152 ac, 60.77% Impervious, Inflow Depth > 0.97" for 2-Year event
Inflow = 0.18 cfs @ 12.10 hrs, Volume= 0.012 af
Outflow = 0.18 cfs @ 12.10 hrs, Volume= 0.012 af, Atten= 0%, Lag= 0.0 min
Primary = 0.18 cfs @ 12.10 hrs, Volume= 0.012 af
Routed to Pond 179P : DMH 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.49' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.25'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.25' / 51.15' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.18 cfs @ 12.10 hrs HW=51.49' (Free Discharge)
1=Culvert (Barrel Controls 0.18 cfs @ 1.87 fps)

Pond 178P: CB 12



Stage-Area-Storage for Pond 178P: CB 12

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.25	**0.000**	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000		
51.74	0.000		
51.75	0.000		
51.76	0.000		
51.77	0.000		

Summary for Pond 179P: DMH 8

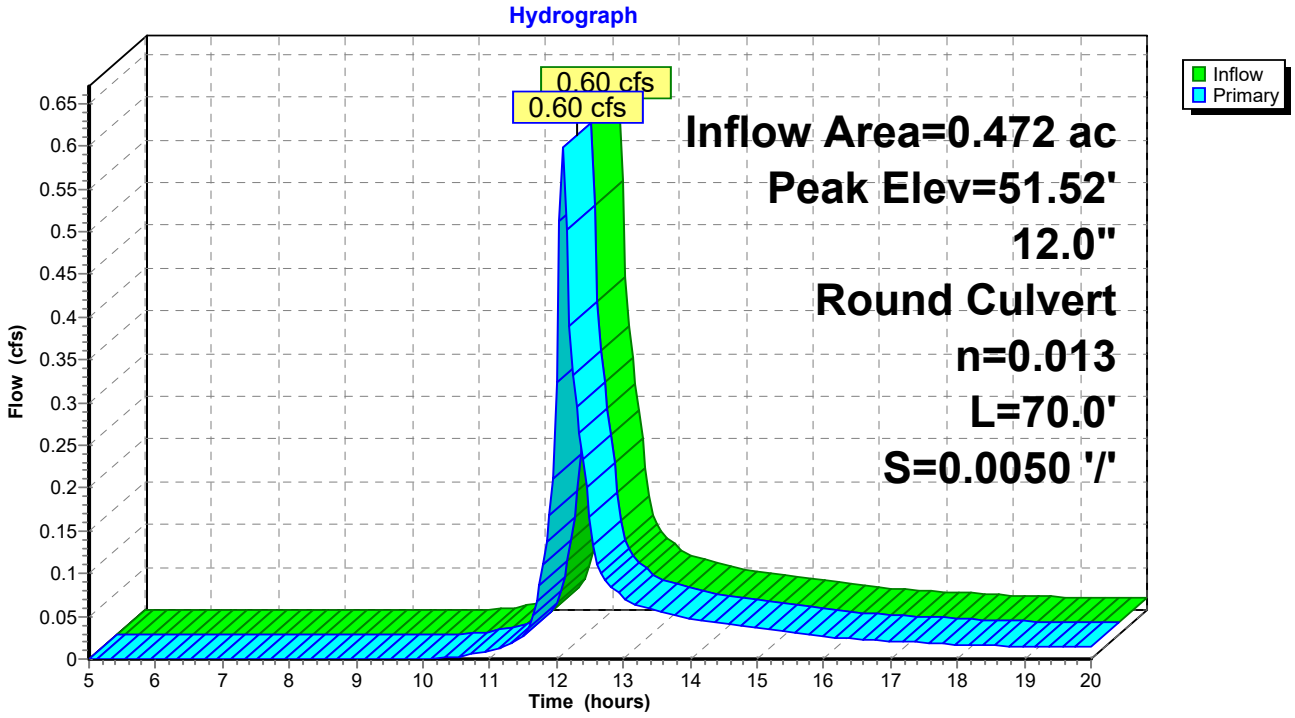
Inflow Area = 0.472 ac, 63.25% Impervious, Inflow Depth > 1.04" for 2-Year event
Inflow = 0.60 cfs @ 12.10 hrs, Volume= 0.041 af
Outflow = 0.60 cfs @ 12.10 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 12.10 hrs, Volume= 0.041 af
Routed to Pond 217P : DMH 8A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.52' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.05'	**12.0" Round Culvert** L= 70.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 50.70' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.10 hrs HW=51.51' (Free Discharge)
1=Culvert (Barrel Controls 0.60 cfs @ 2.45 fps)

Pond 179P: DMH 8



Stage-Area-Storage for Pond 179P: DMH 8

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.05	**0.000**	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000		
51.54	0.000		
51.55	0.000		
51.56	0.000		
51.57	0.000		

Summary for Pond 180P: DMH 9

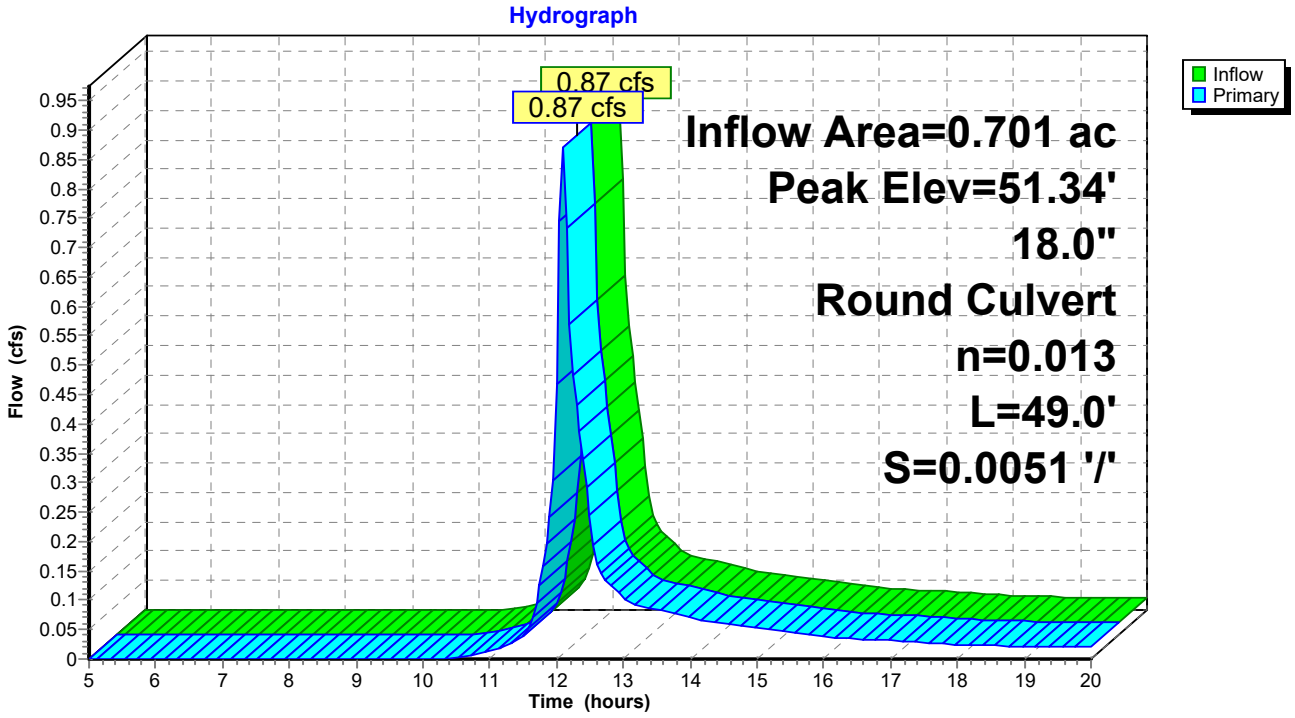
Inflow Area = 0.701 ac, 63.25% Impervious, Inflow Depth > 1.02" for 2-Year event
Inflow = 0.87 cfs @ 12.10 hrs, Volume= 0.060 af
Outflow = 0.87 cfs @ 12.10 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.87 cfs @ 12.10 hrs, Volume= 0.060 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.34' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.84'	**18.0" Round Culvert** L= 49.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.84' / 50.59' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.87 cfs @ 12.10 hrs HW=51.34' (Free Discharge)
1=Culvert (Barrel Controls 0.87 cfs @ 2.54 fps)

Pond 180P: DMH 9



Stage-Area-Storage for Pond 180P: DMH 9

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.84	**0.000**	51.37	0.000	51.90	0.000
50.85	0.000	51.38	0.000	51.91	0.000
50.86	0.000	51.39	0.000	51.92	0.000
50.87	0.000	51.40	0.000	51.93	0.000
50.88	0.000	51.41	0.000	51.94	0.000
50.89	0.000	51.42	0.000	51.95	0.000
50.90	0.000	51.43	0.000	51.96	0.000
50.91	0.000	51.44	0.000	51.97	0.000
50.92	0.000	51.45	0.000	51.98	0.000
50.93	0.000	51.46	0.000	51.99	0.000
50.94	0.000	51.47	0.000	52.00	0.000
50.95	0.000	51.48	0.000	52.01	0.000
50.96	0.000	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000	52.05	0.000
51.00	0.000	51.53	0.000	52.06	0.000
51.01	0.000	51.54	0.000	52.07	0.000
51.02	0.000	51.55	0.000	52.08	0.000
51.03	0.000	51.56	0.000	52.09	0.000
51.04	0.000	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000	52.11	0.000
51.06	0.000	51.59	0.000	52.12	0.000
51.07	0.000	51.60	0.000	52.13	0.000
51.08	0.000	51.61	0.000	52.14	0.000
51.09	0.000	51.62	0.000	52.15	0.000
51.10	0.000	51.63	0.000	52.16	0.000
51.11	0.000	51.64	0.000	52.17	0.000
51.12	0.000	51.65	0.000	52.18	0.000
51.13	0.000	51.66	0.000	52.19	0.000
51.14	0.000	51.67	0.000	52.20	0.000
51.15	0.000	51.68	0.000	52.21	0.000
51.16	0.000	51.69	0.000	52.22	0.000
51.17	0.000	51.70	0.000	52.23	0.000
51.18	0.000	51.71	0.000	52.24	0.000
51.19	0.000	51.72	0.000	52.25	0.000
51.20	0.000	51.73	0.000	52.26	0.000
51.21	0.000	51.74	0.000	52.27	0.000
51.22	0.000	51.75	0.000	52.28	0.000
51.23	0.000	51.76	0.000	52.29	0.000
51.24	0.000	51.77	0.000	52.30	0.000
51.25	0.000	51.78	0.000	52.31	0.000
51.26	0.000	51.79	0.000	52.32	0.000
51.27	0.000	51.80	0.000	52.33	0.000
51.28	0.000	51.81	0.000	52.34	0.000
51.29	0.000	51.82	0.000		
51.30	0.000	51.83	0.000		
51.31	0.000	51.84	0.000		
51.32	0.000	51.85	0.000		
51.33	0.000	51.86	0.000		
51.34	0.000	51.87	0.000		
51.35	0.000	51.88	0.000		
51.36	0.000	51.89	0.000		

Summary for Pond 181P: DMH 7

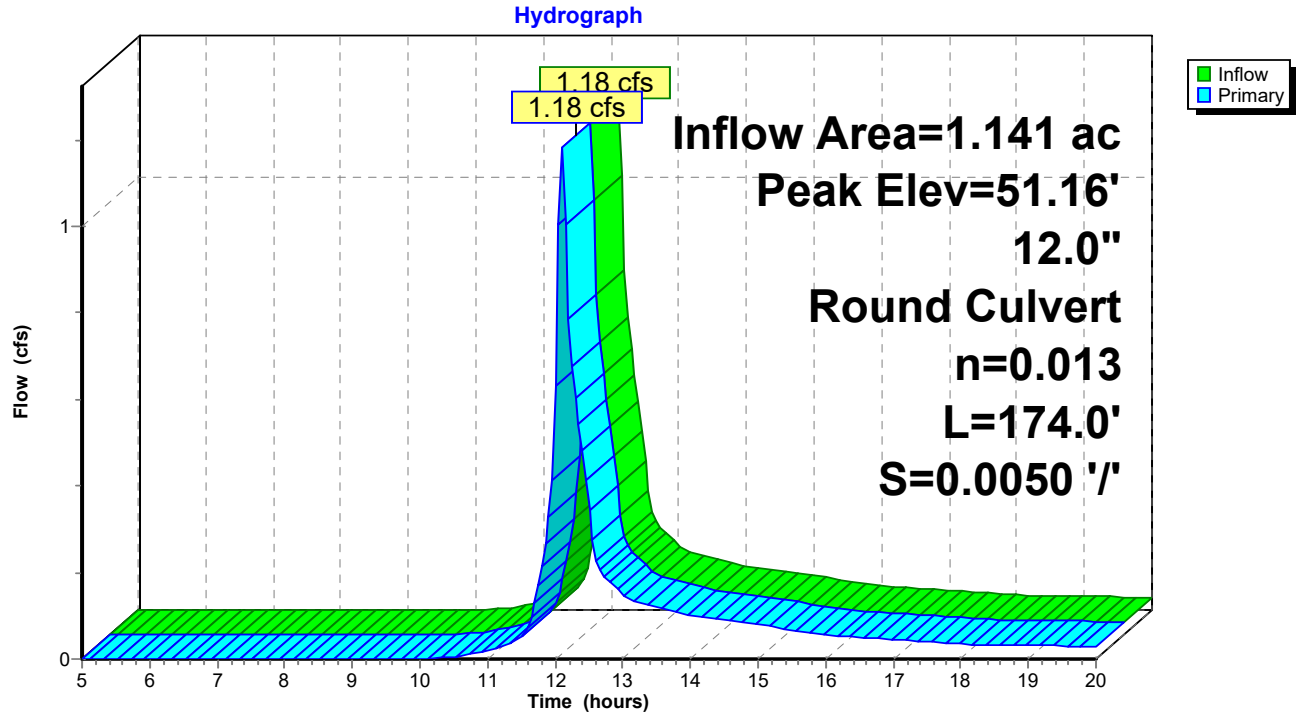
Inflow Area = 1.141 ac, 56.99% Impervious, Inflow Depth > 0.89" for 2-Year event
Inflow = 1.18 cfs @ 12.10 hrs, Volume= 0.084 af
Outflow = 1.18 cfs @ 12.10 hrs, Volume= 0.084 af, Atten= 0%, Lag= 0.0 min
Primary = 1.18 cfs @ 12.10 hrs, Volume= 0.084 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.16' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.49'	**12.0" Round Culvert** L= 174.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.49' / 49.62' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.18 cfs @ 12.10 hrs HW=51.16' (Free Discharge)
1=Culvert (Barrel Controls 1.18 cfs @ 3.01 fps)

Pond 181P: DMH 7



Stage-Area-Storage for Pond 181P: DMH 7

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.49	**0.000**	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000		
50.98	0.000		
50.99	0.000		
51.00	0.000		
51.01	0.000		

Summary for Pond 182P: CB 7

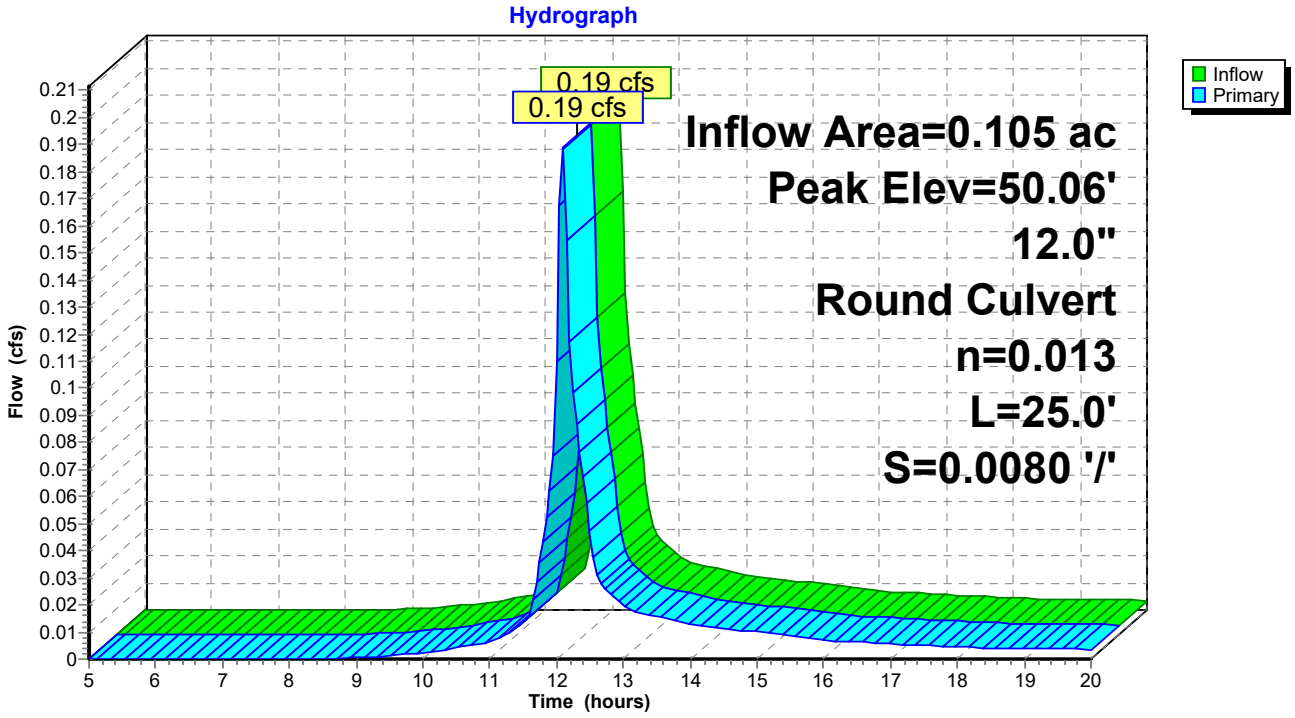
Inflow Area = 0.105 ac, 75.17% Impervious, Inflow Depth > 1.46" for 2-Year event
Inflow = 0.19 cfs @ 12.09 hrs, Volume= 0.013 af
Outflow = 0.19 cfs @ 12.09 hrs, Volume= 0.013 af, Atten= 0%, Lag= 0.0 min
Primary = 0.19 cfs @ 12.09 hrs, Volume= 0.013 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.06' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.82'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.82' / 49.62' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.19 cfs @ 12.09 hrs HW=50.06' (Free Discharge)
1=Culvert (Barrel Controls 0.19 cfs @ 1.97 fps)

Pond 182P: CB 7



Stage-Area-Storage for Pond 182P: CB 7

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.82	**0.000**	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000	50.64	0.000
50.12	0.000	50.65	0.000
50.13	0.000	50.66	0.000
50.14	0.000	50.67	0.000
50.15	0.000	50.68	0.000
50.16	0.000	50.69	0.000
50.17	0.000	50.70	0.000
50.18	0.000	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000		
50.31	0.000		
50.32	0.000		
50.33	0.000		
50.34	0.000		

Summary for Pond 185P: DMH 4

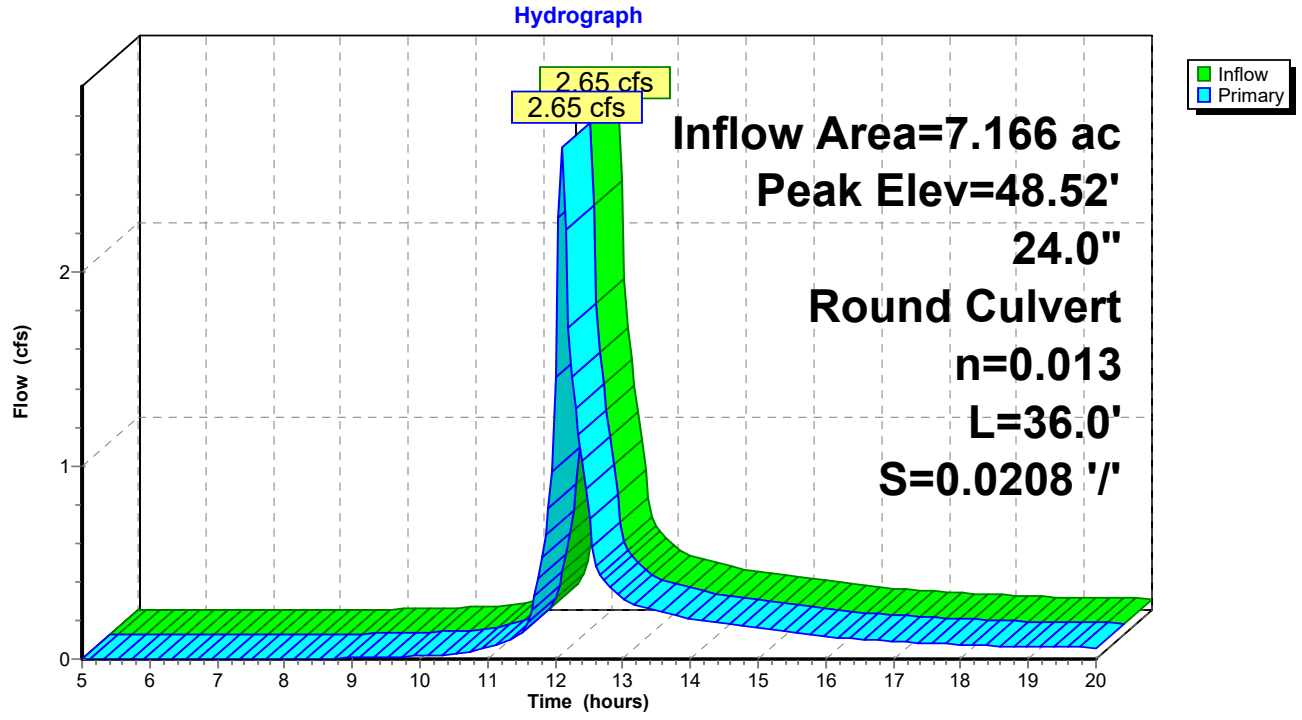
Inflow Area = 7.166 ac, 62.94% Impervious, Inflow Depth > 0.31" for 2-Year event
Inflow = 2.65 cfs @ 12.10 hrs, Volume= 0.185 af
Outflow = 2.65 cfs @ 12.10 hrs, Volume= 0.185 af, Atten= 0%, Lag= 0.0 min
Primary = 2.65 cfs @ 12.10 hrs, Volume= 0.185 af
Routed to Pond 197P : Inf. Basin 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.52' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	47.75'	**24.0" Round Culvert** L= 36.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.75' / 47.00' S= 0.0208 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=2.63 cfs @ 12.10 hrs HW=48.52' (Free Discharge)
1=Culvert (Inlet Controls 2.63 cfs @ 2.36 fps)

Pond 185P: DMH 4



Stage-Area-Storage for Pond 185P: DMH 4

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
47.75	**0.000**	48.81	0.000
47.77	0.000	48.83	0.000
47.79	0.000	48.85	0.000
47.81	0.000	48.87	0.000
47.83	0.000	48.89	0.000
47.85	0.000	48.91	0.000
47.87	0.000	48.93	0.000
47.89	0.000	48.95	0.000
47.91	0.000	48.97	0.000
47.93	0.000	48.99	0.000
47.95	0.000	49.01	0.000
47.97	0.000	49.03	0.000
47.99	0.000	49.05	0.000
48.01	0.000	49.07	0.000
48.03	0.000	49.09	0.000
48.05	0.000	49.11	0.000
48.07	0.000	49.13	0.000
48.09	0.000	49.15	0.000
48.11	0.000	49.17	0.000
48.13	0.000	49.19	0.000
48.15	0.000	49.21	0.000
48.17	0.000	49.23	0.000
48.19	0.000	49.25	0.000
48.21	0.000	49.27	0.000
48.23	0.000	49.29	0.000
48.25	0.000	49.31	0.000
48.27	0.000	49.33	0.000
48.29	0.000	49.35	0.000
48.31	0.000	49.37	0.000
48.33	0.000	49.39	0.000
48.35	0.000	49.41	0.000
48.37	0.000	49.43	0.000
48.39	0.000	49.45	0.000
48.41	0.000	49.47	0.000
48.43	0.000	49.49	0.000
48.45	0.000	49.51	0.000
48.47	0.000	49.53	0.000
48.49	0.000	49.55	0.000
48.51	0.000	49.57	0.000
48.53	0.000	49.59	0.000
48.55	0.000	49.61	0.000
48.57	0.000	49.63	0.000
48.59	0.000	49.65	0.000
48.61	0.000	49.67	0.000
48.63	0.000	49.69	0.000
48.65	0.000	49.71	0.000
48.67	0.000	49.73	0.000
48.69	0.000	49.75	0.000
48.71	0.000		
48.73	0.000		
48.75	0.000		
48.77	0.000		
48.79	0.000		

Summary for Pond 186P: Constructed Wetland 1

Inflow Area = 1.052 ac, 38.52% Impervious, Inflow Depth > 0.60" for 2-Year event
Inflow = 0.74 cfs @ 12.10 hrs, Volume= 0.053 af
Outflow = 0.11 cfs @ 12.77 hrs, Volume= 0.030 af, Atten= 85%, Lag= 40.2 min
Primary = 0.11 cfs @ 12.77 hrs, Volume= 0.030 af
Routed to Pond 197P : Inf. Basin 1
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 46.72' @ 12.77 hrs Surf.Area= 1,973 sf Storage= 1,143 cf

Plug-Flow detention time= 175.0 min calculated for 0.029 af (56% of inflow)
Center-of-Mass det. time= 90.2 min (901.5 - 811.3)

Volume	Invert	Avail.Storage	Storage Description
#1	46.00'	16,106 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

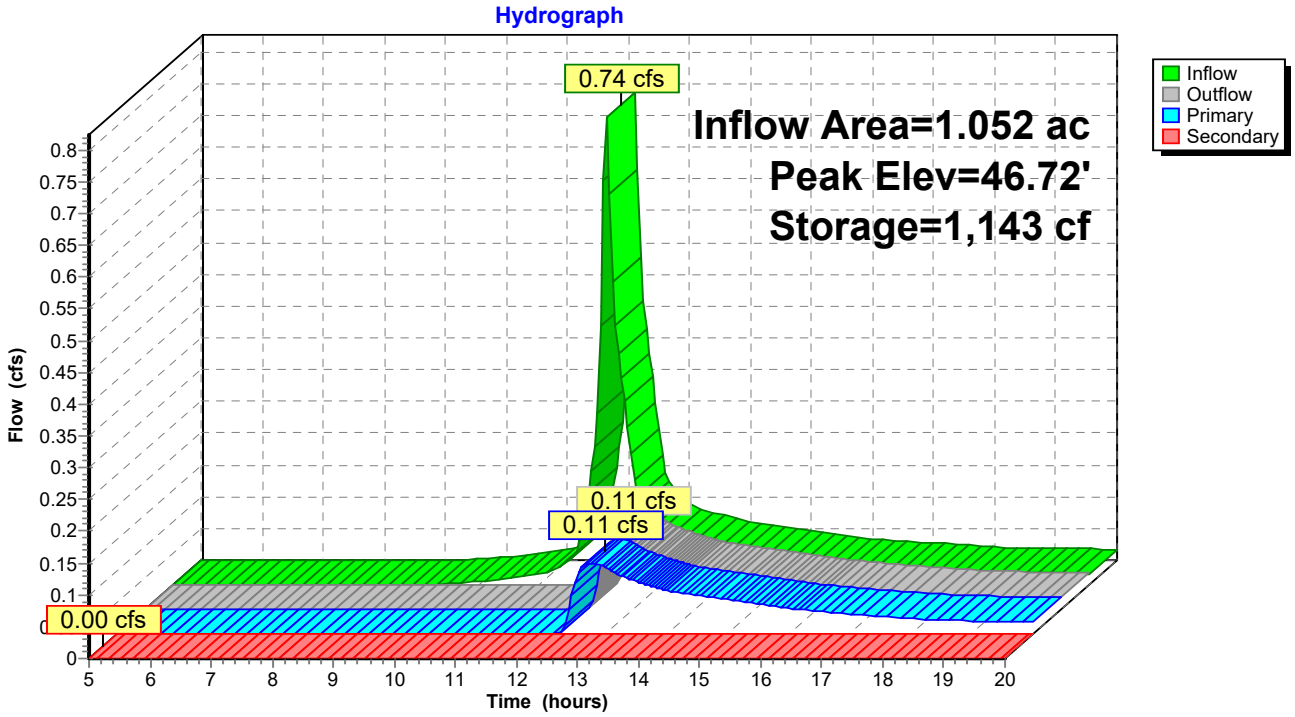
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
46.00	1,184	0	0
47.00	2,274	1,729	1,729
48.00	2,884	2,579	4,308
49.00	3,553	3,219	7,527
50.00	4,275	3,914	11,441
51.00	5,055	4,665	16,106

Device	Routing	Invert	Outlet Devices
#1	Secondary	46.00'	**12.0" Round Culvert** L= 186.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.00' / 43.50' S= 0.0134 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	49.20'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Primary	46.60'	**18.0" Round Culvert X 2.00** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.60' / 46.50' S= 0.0050 '/' Cc= 0.900 n= 0.013 Cast iron, coated, Flow Area= 1.77 sf

Primary OutFlow Max=0.11 cfs @ 12.77 hrs HW=46.72' (Free Discharge)
└**3=Culvert** (Barrel Controls 0.11 cfs @ 1.18 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=46.00' (Free Discharge)
└**1=Culvert** (Controls 0.00 cfs)
└**2=Orifice/Grate** (Controls 0.00 cfs)

Pond 186P: Constructed Wetland 1



Stage-Area-Storage for Pond 186P: Constructed Wetland 1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
46.00	1,184	0
46.05	1,238	61
46.10	1,293	124
46.15	1,347	190
46.20	1,402	259
46.25	1,457	330
46.30	1,511	404
46.35	1,566	481
46.40	1,620	561
46.45	1,675	643
46.50	1,729	728
46.55	1,783	816
46.60	1,838	907
46.65	1,892	1,000
46.70	1,947	1,096
46.75	2,002	1,195
46.80	2,056	1,296
46.85	2,111	1,400
46.90	2,165	1,507
46.95	2,220	1,617
47.00	2,274	1,729
47.05	2,304	1,843
47.10	2,335	1,959
47.15	2,365	2,077
47.20	2,396	2,196
47.25	2,427	2,317
47.30	2,457	2,439
47.35	2,488	2,562
47.40	2,518	2,687
47.45	2,549	2,814
47.50	2,579	2,942
47.55	2,609	3,072
47.60	2,640	3,203
47.65	2,670	3,336
47.70	2,701	3,470
47.75	2,732	3,606
47.80	2,762	3,743
47.85	2,793	3,882
47.90	2,823	4,023
47.95	2,854	4,165
48.00	2,884	4,308
48.05	2,917	4,453
48.10	2,951	4,600
48.15	2,984	4,748
48.20	3,018	4,898
48.25	3,051	5,050
48.30	3,085	5,203
48.35	3,118	5,358
48.40	3,152	5,515
48.45	3,185	5,674
48.50	3,219	5,834
48.55	3,252	5,995
48.60	3,285	6,159
48.65	3,319	6,324
48.70	3,352	6,491
48.75	3,386	6,659
48.80	3,419	6,829
48.85	3,453	7,001
48.90	3,486	7,175
48.95	3,520	7,350
49.00	3,553	7,527
49.05	3,589	7,705
49.10	3,625	7,885
49.15	3,661	8,068
49.20	3,697	8,252
49.25	3,734	8,437
49.30	3,770	8,625
49.35	3,806	8,814
49.40	3,842	9,005
49.45	3,878	9,198
49.50	3,914	9,393
49.55	3,950	9,590
49.60	3,986	9,788
49.65	4,022	9,988
49.70	4,058	10,190
49.75	4,095	10,394
49.80	4,131	10,600
49.85	4,167	10,807
49.90	4,203	11,017
49.95	4,239	11,228
50.00	4,275	11,441
50.05	4,314	11,655
50.10	4,353	11,872
50.15	4,392	12,091
50.20	4,431	12,311
50.25	4,470	12,534
50.30	4,509	12,758
50.35	4,548	12,985
50.40	4,587	13,213
50.45	4,626	13,443
50.50	4,665	13,676
50.55	4,704	13,910
50.60	4,743	14,146
50.65	4,782	14,384
50.70	4,821	14,624
50.75	4,860	14,866
50.80	4,899	15,110
50.85	4,938	15,356
50.90	4,977	15,604
50.95	5,016	15,854
51.00	**5,055**	**16,106**

Summary for Pond 187P: Constructed Wetland 3

Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 1.51" for 2-Year event
Inflow = 3.84 cfs @ 12.16 hrs, Volume= 0.251 af
Outflow = 0.52 cfs @ 13.03 hrs, Volume= 0.123 af, Atten= 86%, Lag= 51.9 min
Primary = 0.52 cfs @ 13.03 hrs, Volume= 0.123 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.97' @ 13.03 hrs Surf.Area= 3,955 sf Storage= 5,800 cf

Plug-Flow detention time= 176.5 min calculated for 0.122 af (49% of inflow)
Center-of-Mass det. time= 93.0 min (913.5 - 820.5)

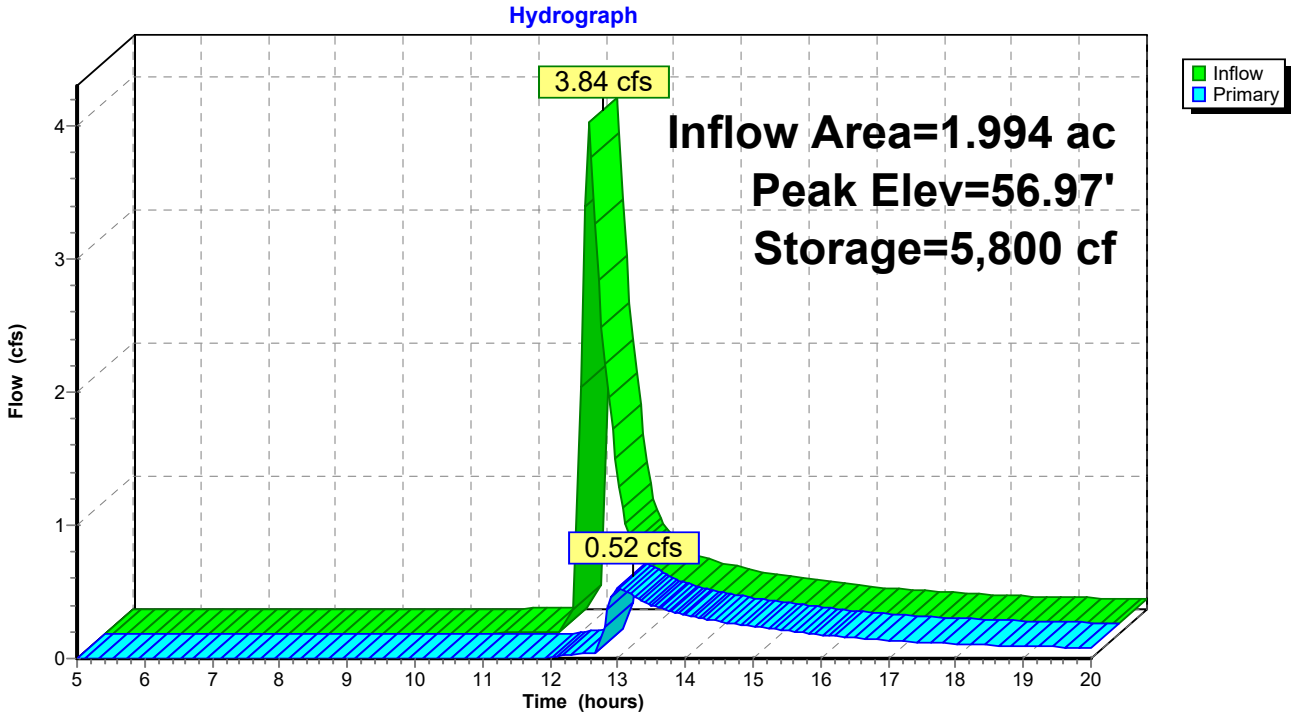
Volume	Invert	Avail.Storage	Storage Description
#1	55.00'	10,466 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
55.00	1,991	0	0
56.00	2,932	2,462	2,462
57.00	3,987	3,460	5,921
58.00	5,102	4,545	10,466

Device	Routing	Invert	Outlet Devices
#1	Primary	55.00'	**24.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.00' / 54.00' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Device 1	55.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.90'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.51 cfs @ 13.03 hrs HW=56.97' (Free Discharge)
└**1=Culvert** (Passes 0.51 cfs of 11.81 cfs potential flow)
└**2=Orifice/Grate** (Orifice Controls 0.04 cfs @ 6.69 fps)
└**3=Orifice/Grate** (Weir Controls 0.48 cfs @ 0.86 fps)

Pond 187P: Constructed Wetland 3



Stage-Area-Storage for Pond 187P: Constructed Wetland 3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
55.00	1,991	0
55.05	2,038	101
55.10	2,085	204
55.15	2,132	309
55.20	2,179	417
55.25	2,226	527
55.30	2,273	640
55.35	2,320	754
55.40	2,367	872
55.45	2,414	991
55.50	2,462	1,113
55.55	2,509	1,237
55.60	2,556	1,364
55.65	2,603	1,493
55.70	2,650	1,624
55.75	2,697	1,758
55.80	2,744	1,894
55.85	2,791	2,032
55.90	2,838	2,173
55.95	2,885	2,316
56.00	2,932	2,462
56.05	2,985	2,609
56.10	3,038	2,760
56.15	3,090	2,913
56.20	3,143	3,069
56.25	3,196	3,227
56.30	3,248	3,389
56.35	3,301	3,552
56.40	3,354	3,719
56.45	3,407	3,888
56.50	3,460	4,059
56.55	3,512	4,234
56.60	3,565	4,411
56.65	3,618	4,590
56.70	3,671	4,772
56.75	3,723	4,957
56.80	3,776	5,145
56.85	3,829	5,335
56.90	3,881	5,528
56.95	3,934	5,723
57.00	3,987	5,921
57.05	4,043	6,122
57.10	4,099	6,325
57.15	4,154	6,532
57.20	4,210	6,741
57.25	4,266	6,953
57.30	4,321	7,167
57.35	4,377	7,385
57.40	4,433	7,605
57.45	4,489	7,828
57.50	4,545	8,054
57.55	4,600	8,282
57.60	4,656	8,514
57.65	4,712	8,748
57.70	4,768	8,985
57.75	4,823	9,225
57.80	4,879	9,467
57.85	4,935	9,713
57.90	4,990	9,961
57.95	5,046	10,212
58.00	**5,102**	**10,466**

Summary for Pond 188P: CB 3

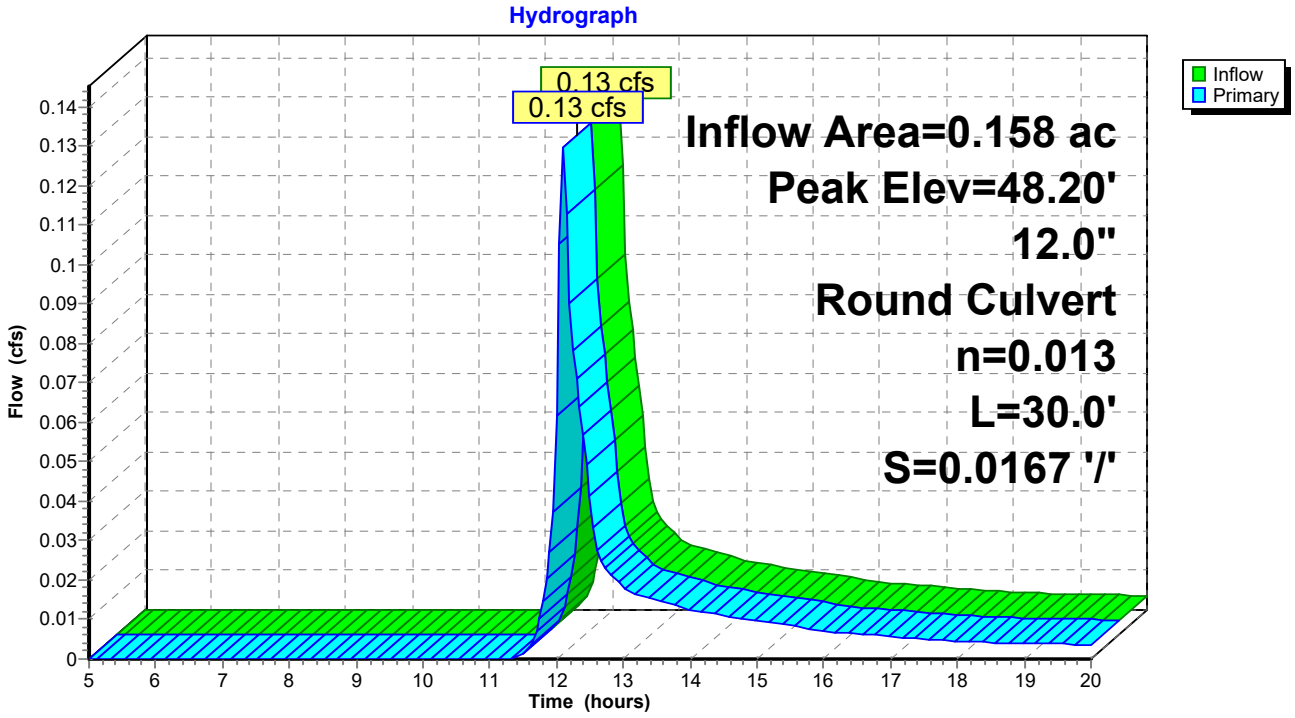
Inflow Area = 0.158 ac, 54.66% Impervious, Inflow Depth > 0.72" for 2-Year event
Inflow = 0.13 cfs @ 12.10 hrs, Volume= 0.009 af
Outflow = 0.13 cfs @ 12.10 hrs, Volume= 0.009 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.10 hrs, Volume= 0.009 af
Routed to Pond 190P : DMH 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.20' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 30.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.50' S= 0.0167 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.10 hrs HW=48.19' (Free Discharge)
1=Culvert (Inlet Controls 0.13 cfs @ 1.19 fps)

Pond 188P: CB 3



Stage-Area-Storage for Pond 188P: CB 3

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 189P: CB 4

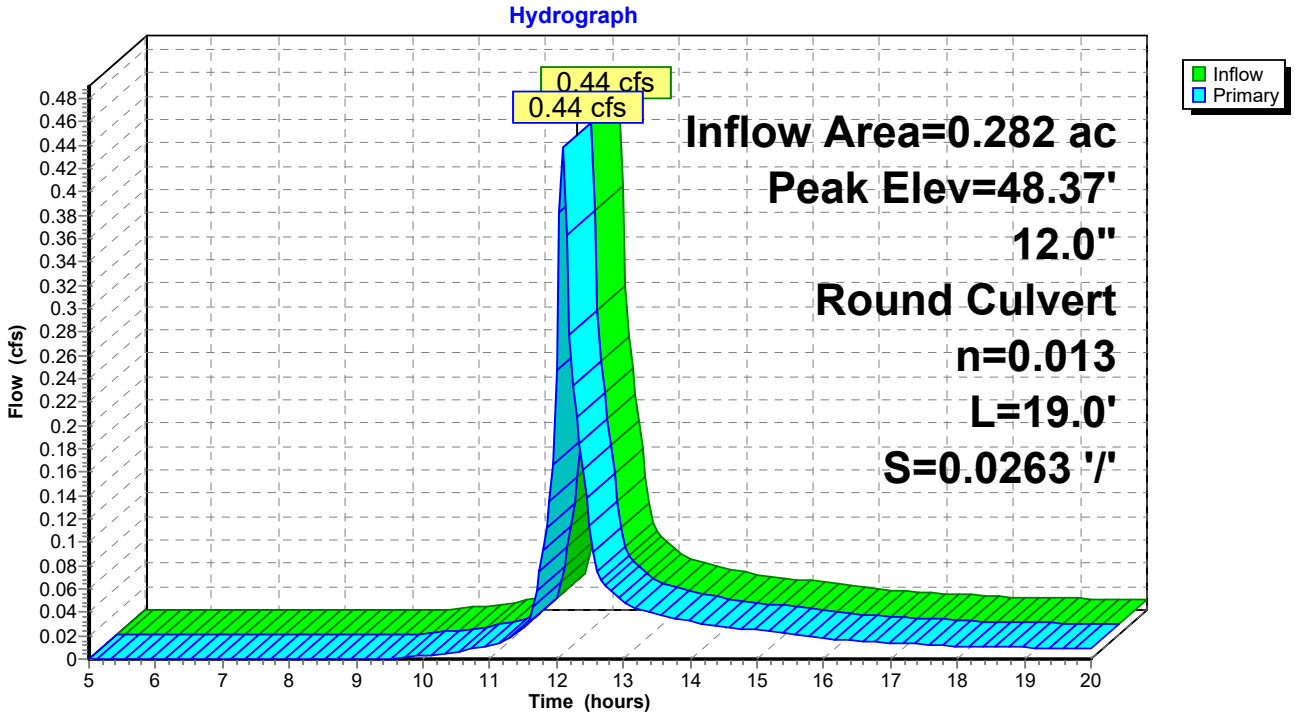
Inflow Area = 0.282 ac, 69.07% Impervious, Inflow Depth > 1.26" for 2-Year event
Inflow = 0.44 cfs @ 12.10 hrs, Volume= 0.030 af
Outflow = 0.44 cfs @ 12.10 hrs, Volume= 0.030 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.10 hrs, Volume= 0.030 af
Routed to Pond 190P : DMH 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.37' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.50' S= 0.0263 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.10 hrs HW=48.37' (Free Discharge)
1=Culvert (Inlet Controls 0.43 cfs @ 1.64 fps)

Pond 189P: CB 4



Stage-Area-Storage for Pond 189P: CB 4

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 190P: DMH 3

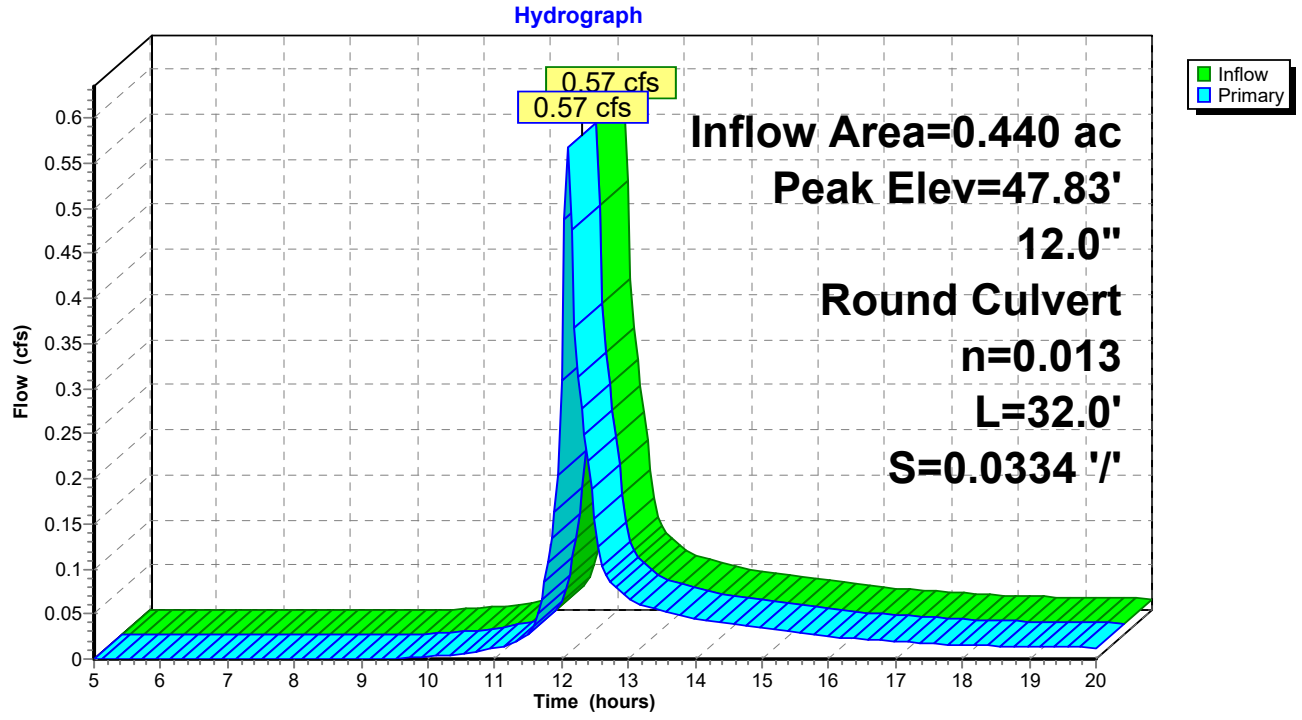
Inflow Area = 0.440 ac, 63.90% Impervious, Inflow Depth > 1.07" for 2-Year event
Inflow = 0.57 cfs @ 12.10 hrs, Volume= 0.039 af
Outflow = 0.57 cfs @ 12.10 hrs, Volume= 0.039 af, Atten= 0%, Lag= 0.0 min
Primary = 0.57 cfs @ 12.10 hrs, Volume= 0.039 af
Routed to Pond 213P : DMH 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.83' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	47.40'	**12.0" Round Culvert** L= 32.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.40' / 46.33' S= 0.0334 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.56 cfs @ 12.10 hrs HW=47.83' (Free Discharge)
1=Culvert (Inlet Controls 0.56 cfs @ 1.76 fps)

Pond 190P: DMH 3



Stage-Area-Storage for Pond 190P: DMH 3

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
47.40	**0.000**	47.93	0.000
47.41	0.000	47.94	0.000
47.42	0.000	47.95	0.000
47.43	0.000	47.96	0.000
47.44	0.000	47.97	0.000
47.45	0.000	47.98	0.000
47.46	0.000	47.99	0.000
47.47	0.000	48.00	0.000
47.48	0.000	48.01	0.000
47.49	0.000	48.02	0.000
47.50	0.000	48.03	0.000
47.51	0.000	48.04	0.000
47.52	0.000	48.05	0.000
47.53	0.000	48.06	0.000
47.54	0.000	48.07	0.000
47.55	0.000	48.08	0.000
47.56	0.000	48.09	0.000
47.57	0.000	48.10	0.000
47.58	0.000	48.11	0.000
47.59	0.000	48.12	0.000
47.60	0.000	48.13	0.000
47.61	0.000	48.14	0.000
47.62	0.000	48.15	0.000
47.63	0.000	48.16	0.000
47.64	0.000	48.17	0.000
47.65	0.000	48.18	0.000
47.66	0.000	48.19	0.000
47.67	0.000	48.20	0.000
47.68	0.000	48.21	0.000
47.69	0.000	48.22	0.000
47.70	0.000	48.23	0.000
47.71	0.000	48.24	0.000
47.72	0.000	48.25	0.000
47.73	0.000	48.26	0.000
47.74	0.000	48.27	0.000
47.75	0.000	48.28	0.000
47.76	0.000	48.29	0.000
47.77	0.000	48.30	0.000
47.78	0.000	48.31	0.000
47.79	0.000	48.32	0.000
47.80	0.000	48.33	0.000
47.81	0.000	48.34	0.000
47.82	0.000	48.35	0.000
47.83	0.000	48.36	0.000
47.84	0.000	48.37	0.000
47.85	0.000	48.38	0.000
47.86	0.000	48.39	0.000
47.87	0.000	48.40	0.000
47.88	0.000		
47.89	0.000		
47.90	0.000		
47.91	0.000		
47.92	0.000		

Summary for Pond 191P: CB 42

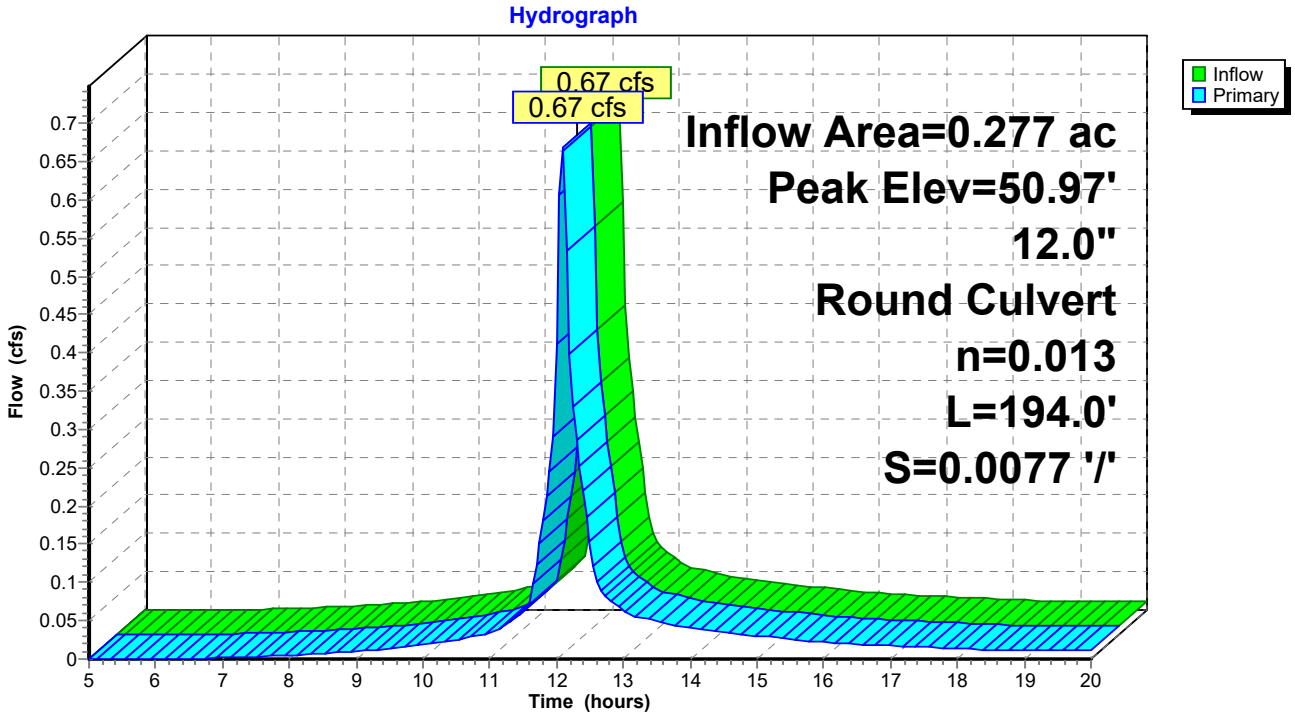
Inflow Area = 0.277 ac, 85.87% Impervious, Inflow Depth > 1.99" for 2-Year event
Inflow = 0.67 cfs @ 12.09 hrs, Volume= 0.046 af
Outflow = 0.67 cfs @ 12.09 hrs, Volume= 0.046 af, Atten= 0%, Lag= 0.0 min
Primary = 0.67 cfs @ 12.09 hrs, Volume= 0.046 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.50'	**12.0" Round Culvert** L= 194.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.50' / 49.00' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.65 cfs @ 12.09 hrs HW=50.96' (Free Discharge)
1=Culvert (Inlet Controls 0.65 cfs @ 1.83 fps)

Pond 191P: CB 42



Stage-Area-Storage for Pond 191P: CB 42

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.50	**0.000**	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000		
50.99	0.000		
51.00	0.000		
51.01	0.000		
51.02	0.000		

Summary for Pond 192P: Sub. Inf. 8

Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 1.08" for 2-Year event
Inflow = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af
Outflow = 0.28 cfs @ 12.11 hrs, Volume= 0.019 af, Atten= 1%, Lag= 0.7 min
Discarded = 0.28 cfs @ 12.11 hrs, Volume= 0.019 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.36' @ 12.11 hrs Surf.Area= 0.022 ac Storage= 0.000 af

Plug-Flow detention time= 0.7 min calculated for 0.019 af (100% of inflow)
Center-of-Mass det. time= 0.6 min (812.3 - 811.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	50.33'	0.020 af	**20.50'W x 46.34'L x 3.50'H Field A** 0.076 af Overall - 0.026 af Embedded = 0.051 af x 40.0% Voids
#2A	50.83'	0.026 af	**ADS_StormTech SC-740 b +Cap** x 24 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 24 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.046 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.33'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 46.50'

Discarded OutFlow Max=0.33 cfs @ 12.11 hrs HW=50.36' (Free Discharge)
↑**1=Exfiltration** (Controls 0.33 cfs)

Pond 192P: Sub. Inf. 8 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

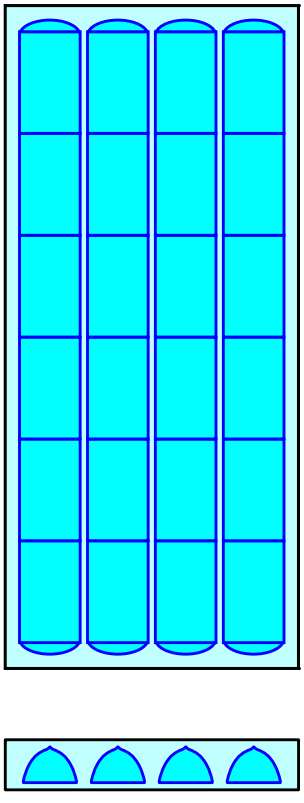
6 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 44.34' Row Length +12.0" End Stone x 2 = 46.34' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

24 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 1,123.8 cf Chamber Storage

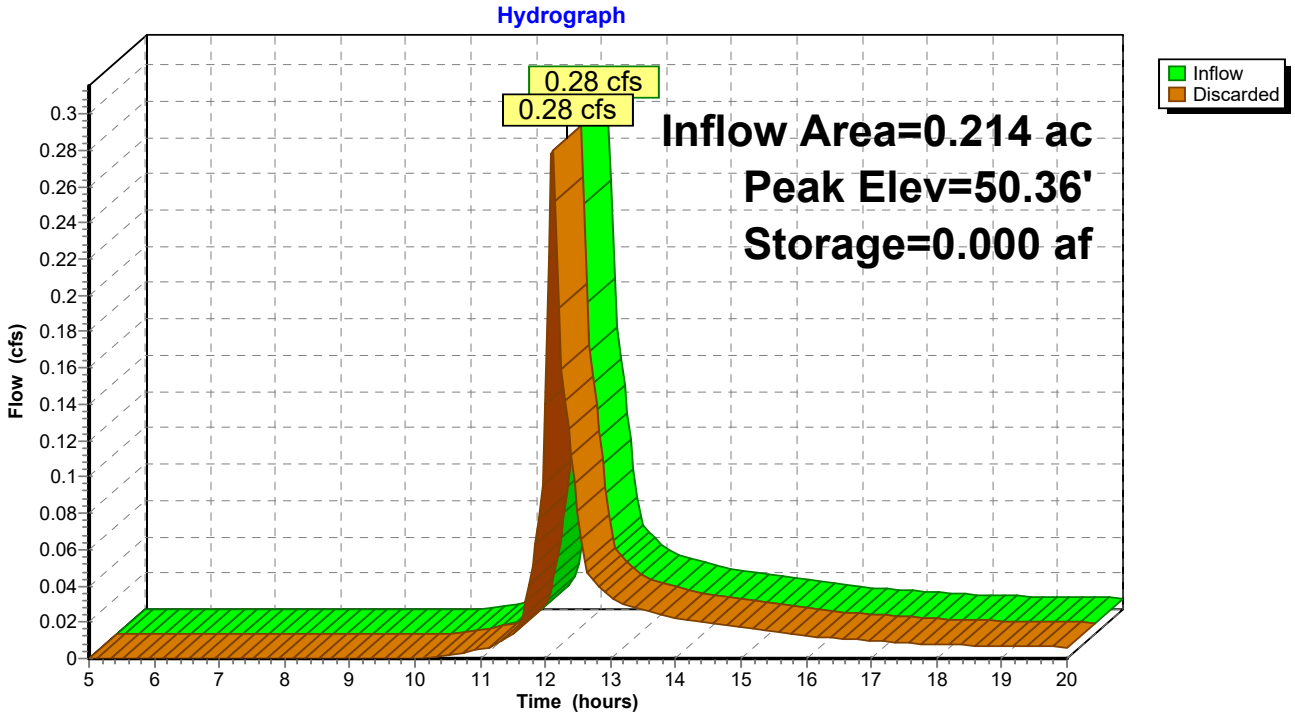
3,324.7 cf Field - 1,123.8 cf Chambers = 2,200.9 cf Stone x 40.0% Voids = 880.3 cf Stone Storage

Chamber Storage + Stone Storage = 2,004.1 cf = 0.046 af
Overall Storage Efficiency = 60.3%
Overall System Size = 46.34' x 20.50' x 3.50'

24 Chambers
123.1 cy Field
81.5 cy Stone



Pond 192P: Sub. Inf. 8



Stage-Area-Storage for Pond 192P: Sub. Inf. 8

Elevation (feet)	Surface (acres)	Storage (acre-feet)
50.33	**0.022**	0.000
50.38	0.022	0.000
50.43	0.022	0.001
50.48	0.022	0.001
50.53	0.022	0.002
50.58	0.022	0.002
50.63	0.022	0.003
50.68	0.022	0.003
50.73	0.022	0.003
50.78	0.022	0.004
50.83	0.022	0.004
50.88	0.022	0.005
50.93	0.022	0.006
50.98	0.022	0.007
51.03	0.022	0.008
51.08	0.022	0.009
51.13	0.022	0.010
51.18	0.022	0.011
51.23	0.022	0.011
51.28	0.022	0.012
51.33	0.022	0.013
51.38	0.022	0.014
51.43	0.022	0.015
51.48	0.022	0.016
51.53	0.022	0.016
51.58	0.022	0.017
51.63	0.022	0.018
51.68	0.022	0.019
51.73	0.022	0.020
51.78	0.022	0.021
51.83	0.022	0.021
51.88	0.022	0.022
51.93	0.022	0.023
51.98	0.022	0.024
52.03	0.022	0.025
52.08	0.022	0.025
52.13	0.022	0.026
52.18	0.022	0.027
52.23	0.022	0.028
52.28	0.022	0.029
52.33	0.022	0.029
52.38	0.022	0.030
52.43	0.022	0.031
52.48	0.022	0.032
52.53	0.022	0.032
52.58	0.022	0.033
52.63	0.022	0.034
52.68	0.022	0.034
52.73	0.022	0.035
52.78	0.022	0.036
52.83	0.022	0.036
52.88	0.022	0.037
52.93	0.022	0.038
52.98	0.022	0.038
53.03	0.022	0.039
53.08	0.022	0.039
53.13	0.022	0.040
53.18	0.022	0.040
53.23	0.022	0.041
53.28	0.022	0.041
53.33	0.022	0.042
53.38	0.022	0.042
53.43	0.022	0.043
53.48	0.022	0.043
53.53	0.022	0.043
53.58	0.022	0.044
53.63	0.022	0.044
53.68	0.022	0.045
53.73	0.022	0.045
53.78	0.022	0.046
53.83	0.022	**0.046**

Summary for Pond 193P: CB 1

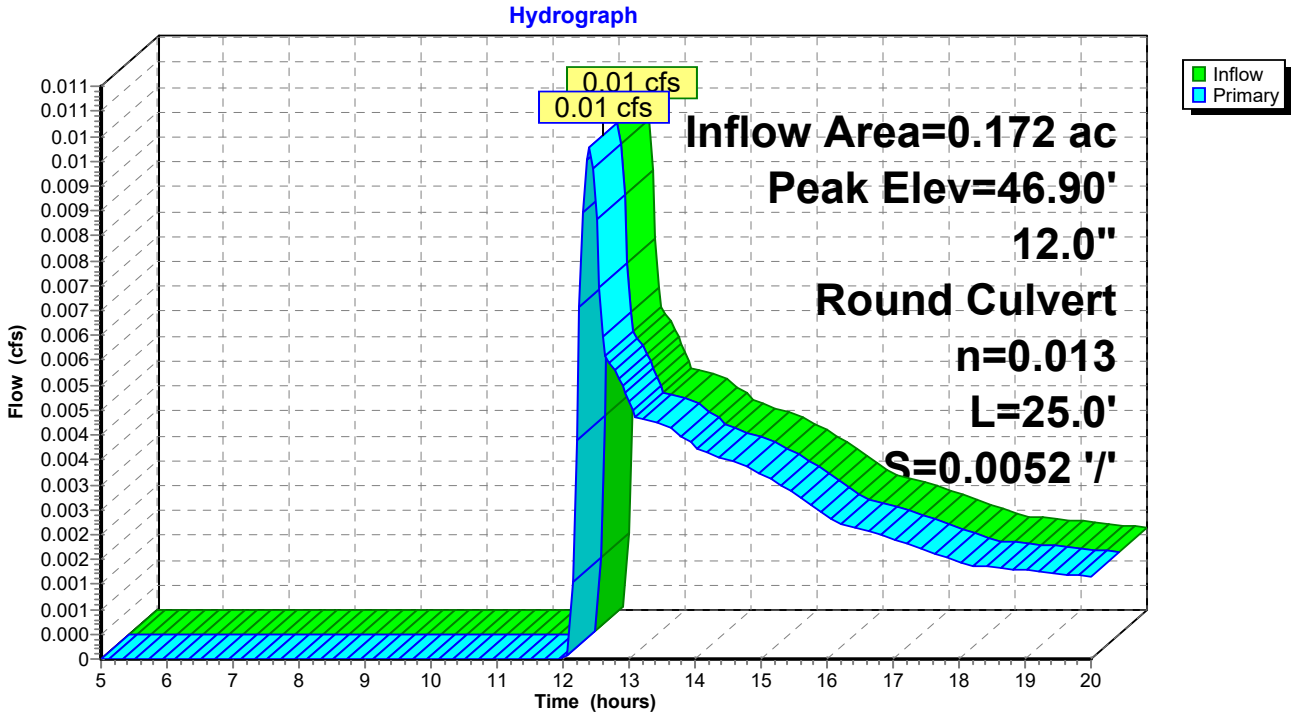
Inflow Area = 0.172 ac, 31.70% Impervious, Inflow Depth > 0.15" for 2-Year event
Inflow = 0.01 cfs @ 12.39 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 12.39 hrs, Volume= 0.002 af, Atten= 0%, Lag= 0.0 min
Primary = 0.01 cfs @ 12.39 hrs, Volume= 0.002 af
Routed to Pond 200P : DMH 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 46.90' @ 12.39 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.84'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.84' / 46.71' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.01 cfs @ 12.39 hrs HW=46.90' (Free Discharge)
1=Culvert (Barrel Controls 0.01 cfs @ 0.79 fps)

Pond 193P: CB 1



Stage-Area-Storage for Pond 193P: CB 1

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.84	**0.000**	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000	47.67	0.000
47.15	0.000	47.68	0.000
47.16	0.000	47.69	0.000
47.17	0.000	47.70	0.000
47.18	0.000	47.71	0.000
47.19	0.000	47.72	0.000
47.20	0.000	47.73	0.000
47.21	0.000	47.74	0.000
47.22	0.000	47.75	0.000
47.23	0.000	47.76	0.000
47.24	0.000	47.77	0.000
47.25	0.000	47.78	0.000
47.26	0.000	47.79	0.000
47.27	0.000	47.80	0.000
47.28	0.000	47.81	0.000
47.29	0.000	47.82	0.000
47.30	0.000	47.83	0.000
47.31	0.000	47.84	0.000
47.32	0.000		
47.33	0.000		
47.34	0.000		
47.35	0.000		
47.36	0.000		

Summary for Pond 194P: CB 2

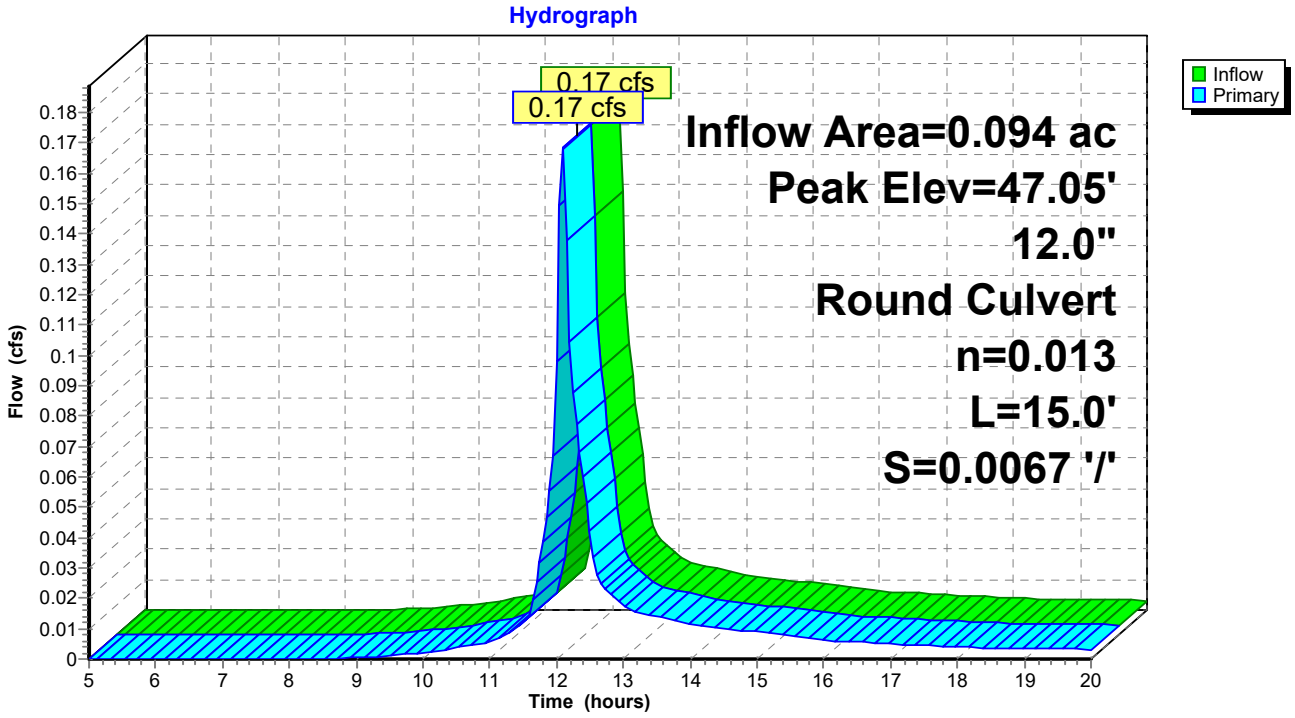
Inflow Area = 0.094 ac, 74.38% Impervious, Inflow Depth > 1.46" for 2-Year event
Inflow = 0.17 cfs @ 12.09 hrs, Volume= 0.011 af
Outflow = 0.17 cfs @ 12.09 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.09 hrs, Volume= 0.011 af
Routed to Pond 200P : DMH 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.81'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.81' / 46.71' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=47.05' (Free Discharge)
1=Culvert (Barrel Controls 0.17 cfs @ 1.75 fps)

Pond 194P: CB 2



Stage-Area-Storage for Pond 194P: CB 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.81	**0.000**	47.34	0.000
46.82	0.000	47.35	0.000
46.83	0.000	47.36	0.000
46.84	0.000	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000	47.67	0.000
47.15	0.000	47.68	0.000
47.16	0.000	47.69	0.000
47.17	0.000	47.70	0.000
47.18	0.000	47.71	0.000
47.19	0.000	47.72	0.000
47.20	0.000	47.73	0.000
47.21	0.000	47.74	0.000
47.22	0.000	47.75	0.000
47.23	0.000	47.76	0.000
47.24	0.000	47.77	0.000
47.25	0.000	47.78	0.000
47.26	0.000	47.79	0.000
47.27	0.000	47.80	0.000
47.28	0.000	47.81	0.000
47.29	0.000		
47.30	0.000		
47.31	0.000		
47.32	0.000		
47.33	0.000		

Summary for Pond 195P: Constructed Wetland 4

Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 1.40" for 2-Year event
Inflow = 2.26 cfs @ 12.26 hrs, Volume= 0.226 af
Outflow = 0.34 cfs @ 13.81 hrs, Volume= 0.100 af, Atten= 85%, Lag= 92.7 min
Primary = 0.34 cfs @ 13.81 hrs, Volume= 0.100 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.26' @ 13.81 hrs Surf.Area= 3,183 sf Storage= 7,011 cf

Plug-Flow detention time= 183.4 min calculated for 0.099 af (44% of inflow)
Center-of-Mass det. time= 131.2 min (919.5 - 788.3)

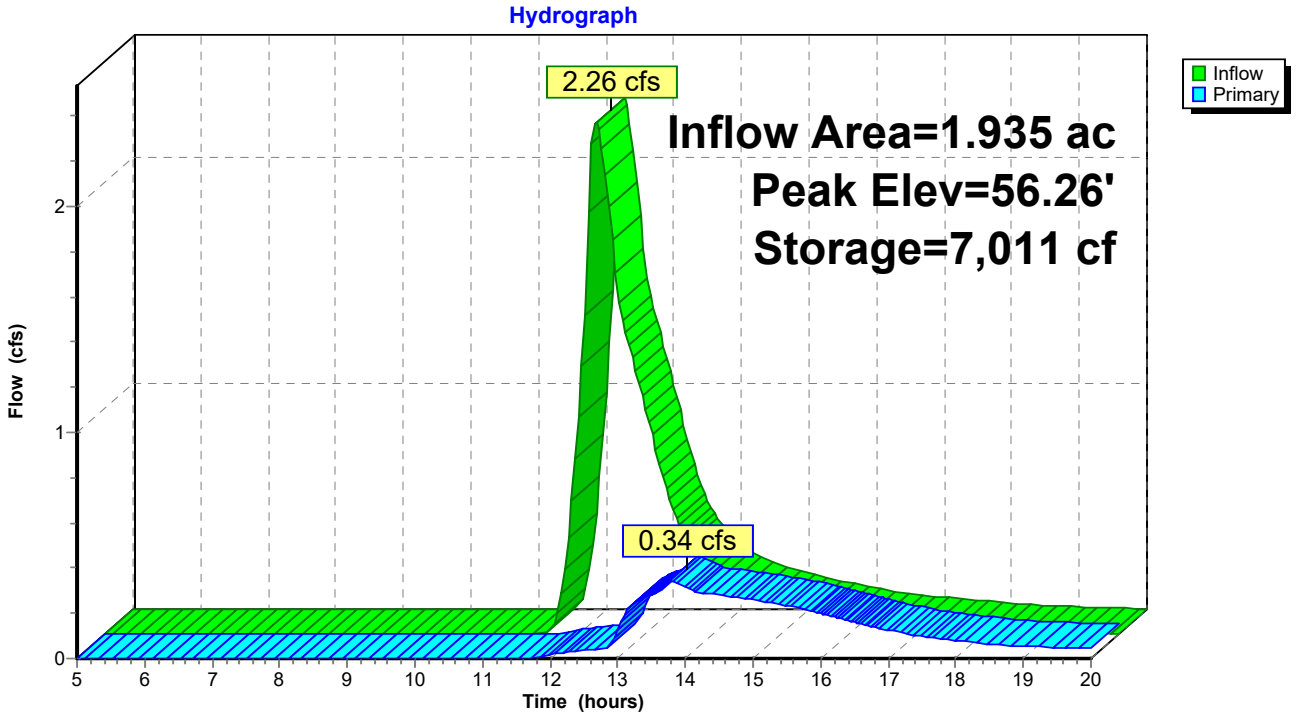
Volume	Invert	Avail.Storage	Storage Description
#1	53.00'	9,558 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
53.00	1,225	0	0
54.00	1,749	1,487	1,487
55.00	2,345	2,047	3,534
56.00	2,998	2,672	6,206
57.00	3,707	3,353	9,558

Device	Routing	Invert	Outlet Devices
#1	Primary	53.00'	**18.0" Round Culvert** L= 50.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.00' / 52.00' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	53.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.25'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	55.75'	**4.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=0.32 cfs @ 13.81 hrs HW=56.26' (Free Discharge)
└**1=Culvert** (Passes 0.32 cfs of 10.64 cfs potential flow)
├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 8.64 fps)
├**3=Orifice/Grate** (Weir Controls 0.03 cfs @ 0.34 fps)
└**4=Orifice/Grate** (Orifice Controls 0.25 cfs @ 2.82 fps)

Pond 195P: Constructed Wetland 4



Stage-Area-Storage for Pond 195P: Constructed Wetland 4

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
53.00	1,225	0
53.05	1,251	62
53.10	1,277	125
53.15	1,304	190
53.20	1,330	255
53.25	1,356	323
53.30	1,382	391
53.35	1,408	461
53.40	1,435	532
53.45	1,461	604
53.50	1,487	678
53.55	1,513	753
53.60	1,539	829
53.65	1,566	907
53.70	1,592	986
53.75	1,618	1,066
53.80	1,644	1,148
53.85	1,670	1,231
53.90	1,697	1,315
53.95	1,723	1,400
54.00	1,749	1,487
54.05	1,779	1,575
54.10	1,809	1,665
54.15	1,838	1,756
54.20	1,868	1,849
54.25	1,898	1,943
54.30	1,928	2,039
54.35	1,958	2,136
54.40	1,987	2,234
54.45	2,017	2,334
54.50	2,047	2,436
54.55	2,077	2,539
54.60	2,107	2,644
54.65	2,136	2,750
54.70	2,166	2,857
54.75	2,196	2,966
54.80	2,226	3,077
54.85	2,256	3,189
54.90	2,285	3,302
54.95	2,315	3,417
55.00	2,345	3,534
55.05	2,378	3,652
55.10	2,410	3,772
55.15	2,443	3,893
55.20	2,476	4,016
55.25	2,508	4,141
55.30	2,541	4,267
55.35	2,574	4,395
55.40	2,606	4,524
55.45	2,639	4,655
55.50	2,672	4,788
55.55	2,704	4,923
55.60	2,737	5,059
55.65	2,769	5,196
55.70	2,802	5,335
55.75	2,835	5,476
55.80	2,867	5,619
55.85	2,900	5,763
55.90	2,933	5,909
55.95	2,965	6,056
56.00	2,998	6,206
56.05	3,033	6,356
56.10	3,069	6,509
56.15	3,104	6,663
56.20	3,140	6,819
56.25	3,175	6,977
56.30	3,211	7,137
56.35	3,246	7,298
56.40	3,282	7,461
56.45	3,317	7,626
56.50	3,353	7,793
56.55	3,388	7,962
56.60	3,423	8,132
56.65	3,459	8,304
56.70	3,494	8,478
56.75	3,530	8,653
56.80	3,565	8,831
56.85	3,601	9,010
56.90	3,636	9,191
56.95	3,672	9,374
57.00	**3,707**	**9,558**

Summary for Pond 196P: CB 5

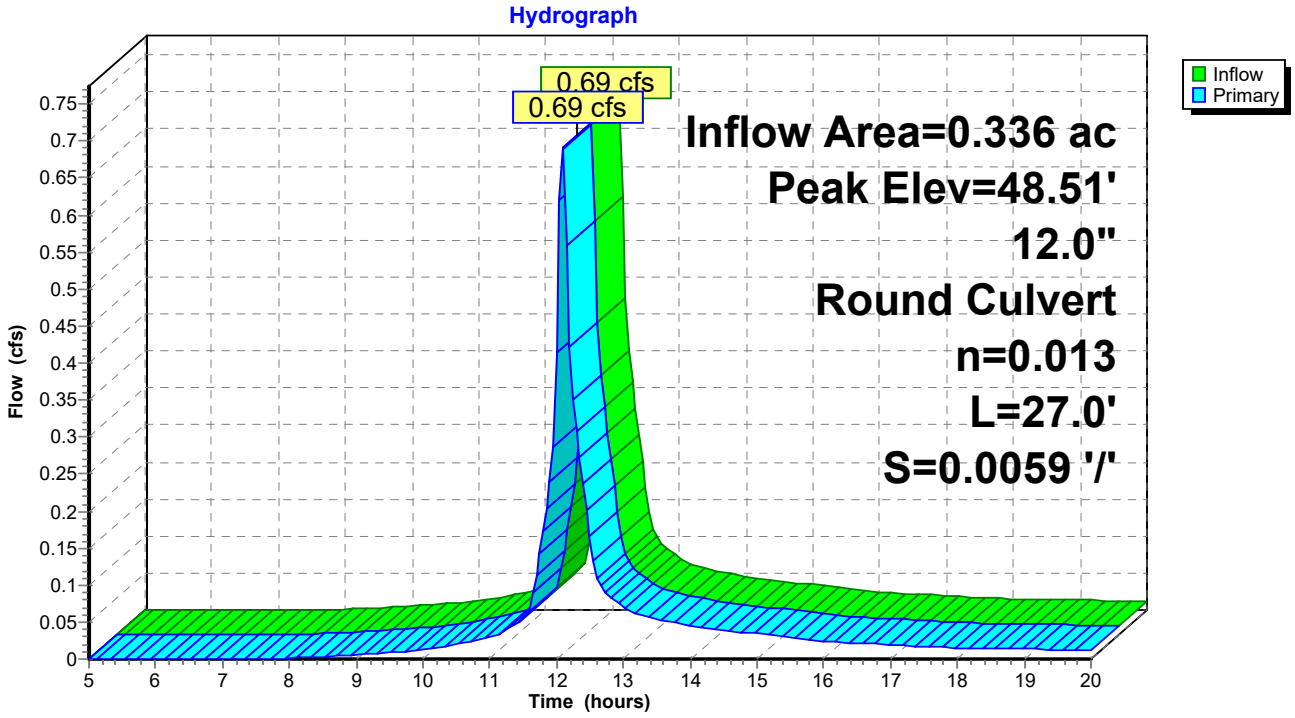
Inflow Area = 0.336 ac, 80.22% Impervious, Inflow Depth > 1.67" for 2-Year event
Inflow = 0.69 cfs @ 12.09 hrs, Volume= 0.047 af
Outflow = 0.69 cfs @ 12.09 hrs, Volume= 0.047 af, Atten= 0%, Lag= 0.0 min
Primary = 0.69 cfs @ 12.09 hrs, Volume= 0.047 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.51' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.84' S= 0.0059 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.09 hrs HW=48.51' (Free Discharge)
1=Culvert (Barrel Controls 0.68 cfs @ 2.48 fps)

Pond 196P: CB 5



Stage-Area-Storage for Pond 196P: CB 5

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 197P: Inf. Basin 1

Inflow Area = 8.503 ac, 57.81% Impervious, Inflow Depth > 0.30" for 2-Year event
Inflow = 2.65 cfs @ 12.10 hrs, Volume= 0.215 af
Outflow = 1.13 cfs @ 12.37 hrs, Volume= 0.214 af, Atten= 57%, Lag= 16.4 min
Discarded = 1.13 cfs @ 12.37 hrs, Volume= 0.214 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 46.75' @ 12.37 hrs Surf.Area= 5,074 sf Storage= 1,226 cf

Plug-Flow detention time= 7.7 min calculated for 0.214 af (100% of inflow)
Center-of-Mass det. time= 7.0 min (828.4 - 821.4)

Volume	Invert	Avail.Storage	Storage Description
#1	46.50'	34,549 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

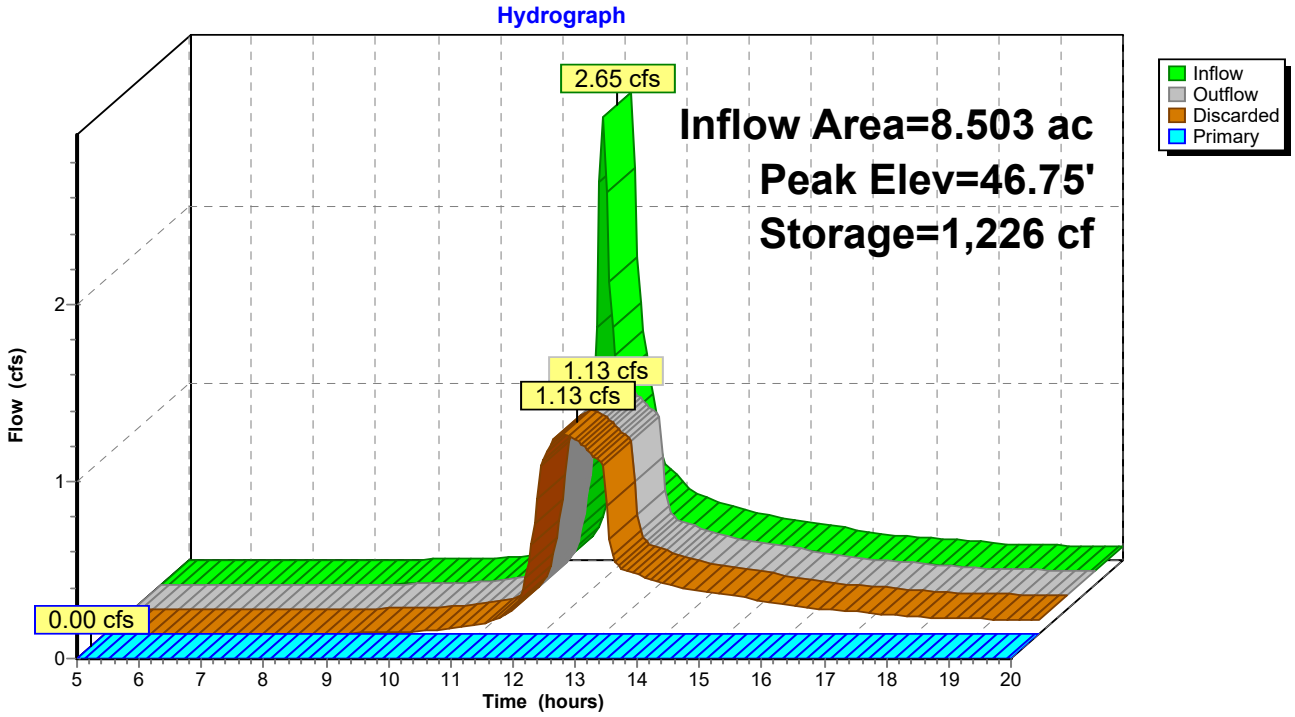
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
46.50	4,770	0	0
47.00	5,380	2,538	2,538
48.00	6,642	6,011	8,549
49.00	7,960	7,301	15,850
50.00	9,336	8,648	24,498
51.00	10,767	10,052	34,549

Device	Routing	Invert	Outlet Devices
#1	Discarded	46.50'	**8.270 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 45.00'
#2	Primary	47.00'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.00' / 43.50' S= 0.1400 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	48.00'	**6.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	50.50'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=1.13 cfs @ 12.37 hrs HW=46.75' (Free Discharge)
└**1=Exfiltration** (Controls 1.13 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=46.50' (Free Discharge)
└**2=Culvert** (Controls 0.00 cfs)
  ├**3=Orifice/Grate** (Controls 0.00 cfs)
  └**4=Orifice/Grate** (Controls 0.00 cfs)

Pond 197P: Inf. Basin 1



Stage-Area-Storage for Pond 197P: Inf. Basin 1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
46.50	4,770	0
46.55	4,831	240
46.60	4,892	483
46.65	4,953	729
46.70	5,014	978
46.75	5,075	1,231
46.80	5,136	1,486
46.85	5,197	1,744
46.90	5,258	2,006
46.95	5,319	2,270
47.00	5,380	2,538
47.05	5,443	2,808
47.10	5,506	3,082
47.15	5,569	3,359
47.20	5,632	3,639
47.25	5,696	3,922
47.30	5,759	4,208
47.35	5,822	4,498
47.40	5,885	4,790
47.45	5,948	5,086
47.50	6,011	5,385
47.55	6,074	5,687
47.60	6,137	5,993
47.65	6,200	6,301
47.70	6,263	6,613
47.75	6,327	6,927
47.80	6,390	7,245
47.85	6,453	7,566
47.90	6,516	7,891
47.95	6,579	8,218
48.00	6,642	8,549
48.05	6,708	8,882
48.10	6,774	9,219
48.15	6,840	9,560
48.20	6,906	9,903
48.25	6,972	10,250
48.30	7,037	10,600
48.35	7,103	10,954
48.40	7,169	11,311
48.45	7,235	11,671
48.50	7,301	12,034
48.55	7,367	12,401
48.60	7,433	12,771
48.65	7,499	13,144
48.70	7,565	13,521
48.75	7,631	13,901
48.80	7,696	14,284
48.85	7,762	14,670
48.90	7,828	15,060
48.95	7,894	15,453
49.00	7,960	15,850
49.05	8,029	16,249
49.10	8,098	16,652
49.15	8,166	17,059
49.20	8,235	17,469
49.25	8,304	17,883
49.30	8,373	18,299
49.35	8,442	18,720
49.40	8,510	19,144
49.45	8,579	19,571
49.50	8,648	20,002
49.55	8,717	20,436
49.60	8,786	20,873
49.65	8,854	21,314
49.70	8,923	21,759
49.75	8,992	22,207
49.80	9,061	22,658
49.85	9,130	23,113
49.90	9,198	23,571
49.95	9,267	24,032
50.00	9,336	24,498
50.05	9,408	24,966
50.10	9,479	25,438
50.15	9,551	25,914
50.20	9,622	26,393
50.25	9,694	26,876
50.30	9,765	27,363
50.35	9,837	27,853
50.40	9,908	28,346
50.45	9,980	28,844
50.50	10,052	29,344
50.55	10,123	29,849
50.60	10,195	30,357
50.65	10,266	30,868
50.70	10,338	31,383
50.75	10,409	31,902
50.80	10,481	32,424
50.85	10,552	32,950
50.90	10,624	33,479
50.95	10,695	34,012
51.00	**10,767**	**34,549**

Summary for Pond 198P: Sub. Inf. 2

Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 1.37" for 2-Year event
Inflow = 2.92 cfs @ 12.09 hrs, Volume= 0.198 af
Outflow = 2.27 cfs @ 12.16 hrs, Volume= 0.198 af, Atten= 22%, Lag= 4.1 min
Discarded = 2.27 cfs @ 12.16 hrs, Volume= 0.198 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 202P : DMH 14

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.18' @ 12.16 hrs Surf.Area= 0.096 ac Storage= 0.007 af

Plug-Flow detention time= 0.7 min calculated for 0.198 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (798.5 - 797.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	51.00'	0.086 af	**30.00'W x 138.90'L x 3.50'H Field A** 0.335 af Overall - 0.121 af Embedded = 0.214 af x 40.0% Voids
#2A	51.50'	0.121 af	**ADS_StormTech SC-740 b +Cap** x 114 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 114 Chambers in 6 Rows Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf
		0.206 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	51.00'	**20.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 50.00'
#2	Primary	52.75'	**18.0" Round Culvert** L= 10.0' RCP, groove end projecting, Ke= 0.200 Inlet / Outlet Invert= 52.75' / 52.65' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Discarded OutFlow Max=2.26 cfs @ 12.16 hrs HW=51.17' (Free Discharge)
↑**1=Exfiltration** (Controls 2.26 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=51.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 198P: Sub. Inf. 2 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

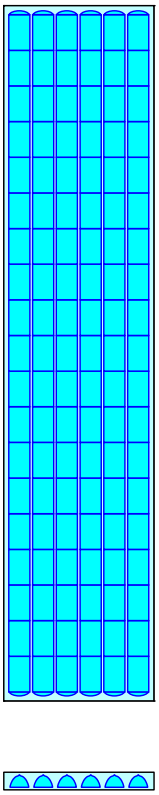
19 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 136.90' Row Length +12.0" End Stone x 2 = 138.90' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

114 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 5,269.0 cf Chamber Storage

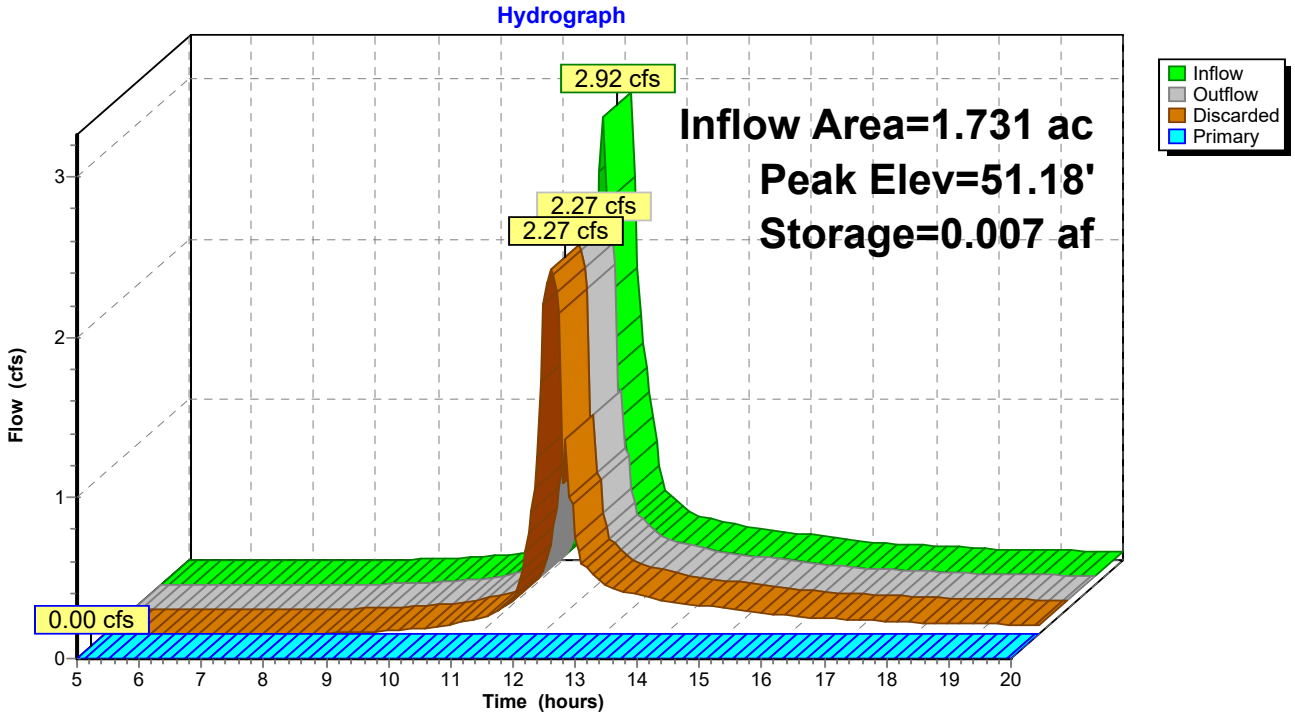
14,584.2 cf Field - 5,269.0 cf Chambers = 9,315.1 cf Stone x 40.0% Voids = 3,726.1 cf Stone Storage

Chamber Storage + Stone Storage = 8,995.1 cf = 0.206 af
Overall Storage Efficiency = 61.7%
Overall System Size = 138.90' x 30.00' x 3.50'

114 Chambers
540.2 cy Field
345.0 cy Stone



Pond 198P: Sub. Inf. 2



Stage-Area-Storage for Pond 198P: Sub. Inf. 2

Elevation (feet)	Surface (acres)	Storage (acre-feet)
51.00	**0.096**	0.000
51.05	0.096	0.002
51.10	0.096	0.004
51.15	0.096	0.006
51.20	0.096	0.008
51.25	0.096	0.010
51.30	0.096	0.011
51.35	0.096	0.013
51.40	0.096	0.015
51.45	0.096	0.017
51.50	0.096	0.019
51.55	0.096	0.023
51.60	0.096	0.027
51.65	0.096	0.031
51.70	0.096	0.035
51.75	0.096	0.039
51.80	0.096	0.043
51.85	0.096	0.047
51.90	0.096	0.051
51.95	0.096	0.055
52.00	0.096	0.059
52.05	0.096	0.063
52.10	0.096	0.067
52.15	0.096	0.070
52.20	0.096	0.074
52.25	0.096	0.078
52.30	0.096	0.082
52.35	0.096	0.086
52.40	0.096	0.089
52.45	0.096	0.093
52.50	0.096	0.097
52.55	0.096	0.100
52.60	0.096	0.104
52.65	0.096	0.108
52.70	0.096	0.111
52.75	0.096	0.115
52.80	0.096	0.118
52.85	0.096	0.122
52.90	0.096	0.125
52.95	0.096	0.129
53.00	0.096	0.132
53.05	0.096	0.136
53.10	0.096	0.139
53.15	0.096	0.142
53.20	0.096	0.145
53.25	0.096	0.149
53.30	0.096	0.152
53.35	0.096	0.155
53.40	0.096	0.158
53.45	0.096	0.161
53.50	0.096	0.164
53.55	0.096	0.167
53.60	0.096	0.169
53.65	0.096	0.172
53.70	0.096	0.175
53.75	0.096	0.177
53.80	0.096	0.179
53.85	0.096	0.181
53.90	0.096	0.183
53.95	0.096	0.185
54.00	0.096	0.187
54.05	0.096	0.189
54.10	0.096	0.191
54.15	0.096	0.193
54.20	0.096	0.195
54.25	0.096	0.197
54.30	0.096	0.199
54.35	0.096	0.201
54.40	0.096	0.203
54.45	0.096	0.205
54.50	0.096	**0.206**

Summary for Pond 200P: DMH 1

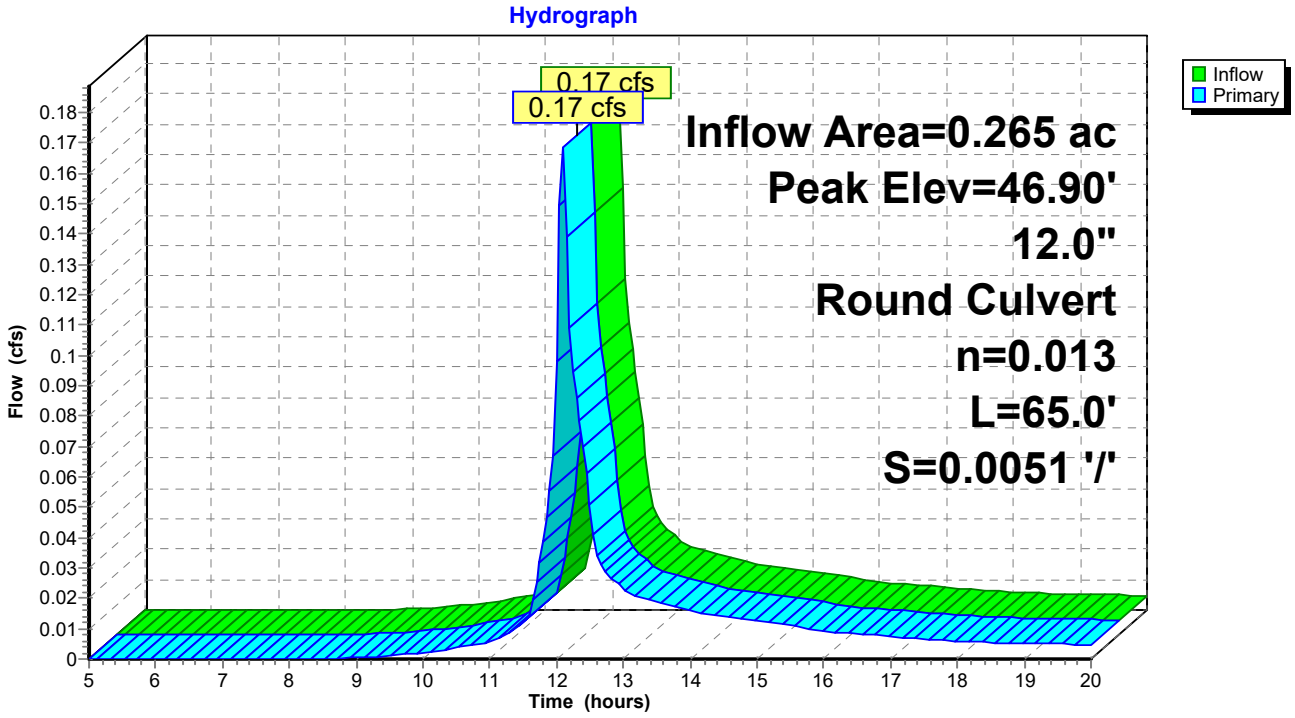
Inflow Area = 0.265 ac, 46.75% Impervious, Inflow Depth > 0.61" for 2-Year event
Inflow = 0.17 cfs @ 12.09 hrs, Volume= 0.014 af
Outflow = 0.17 cfs @ 12.09 hrs, Volume= 0.014 af, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.09 hrs, Volume= 0.014 af
Routed to Pond 213P : DMH 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 46.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.66'	**12.0" Round Culvert** L= 65.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.66' / 46.33' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=46.90' (Free Discharge)
1=Culvert (Barrel Controls 0.17 cfs @ 1.76 fps)

Pond 200P: DMH 1



Stage-Area-Storage for Pond 200P: DMH 1

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.66	**0.000**	47.19	0.000
46.67	0.000	47.20	0.000
46.68	0.000	47.21	0.000
46.69	0.000	47.22	0.000
46.70	0.000	47.23	0.000
46.71	0.000	47.24	0.000
46.72	0.000	47.25	0.000
46.73	0.000	47.26	0.000
46.74	0.000	47.27	0.000
46.75	0.000	47.28	0.000
46.76	0.000	47.29	0.000
46.77	0.000	47.30	0.000
46.78	0.000	47.31	0.000
46.79	0.000	47.32	0.000
46.80	0.000	47.33	0.000
46.81	0.000	47.34	0.000
46.82	0.000	47.35	0.000
46.83	0.000	47.36	0.000
46.84	0.000	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000		
47.15	0.000		
47.16	0.000		
47.17	0.000		
47.18	0.000		

Summary for Pond 201P: Sub. Inf. 3

Inflow Area = 1.343 ac, 61.65% Impervious, Inflow Depth > 1.05" for 2-Year event
Inflow = 1.67 cfs @ 12.10 hrs, Volume= 0.117 af
Outflow = 1.08 cfs @ 12.21 hrs, Volume= 0.117 af, Atten= 35%, Lag= 6.7 min
Discarded = 1.08 cfs @ 12.21 hrs, Volume= 0.117 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 202P : DMH 14

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.24' @ 12.21 hrs Surf.Area= 0.079 ac Storage= 0.007 af

Plug-Flow detention time= 1.8 min calculated for 0.117 af (100% of inflow)
Center-of-Mass det. time= 1.6 min (807.9 - 806.3)

Volume	Invert	Avail.Storage	Storage Description
#1A	52.00'	0.071 af	**20.50'W x 167.38'L x 3.50'H Field A** 0.276 af Overall - 0.098 af Embedded = 0.178 af x 40.0% Voids
#2A	52.50'	0.098 af	**ADS_StormTech SC-740 b +Cap** x 92 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 92 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.169 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	52.00'	**11.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 51.00'
#2	Primary	54.00'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 53.65' S= 0.0175 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=1.08 cfs @ 12.21 hrs HW=52.23' (Free Discharge)
↑**1=Exfiltration** (Controls 1.08 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=52.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 201P: Sub. Inf. 3 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

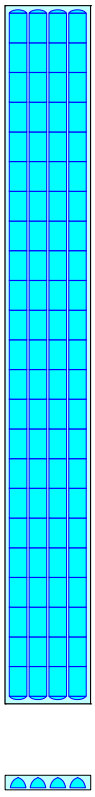
23 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 165.38' Row Length +12.0" End Stone x 2 = 167.38' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

92 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 4,247.7 cf Chamber Storage

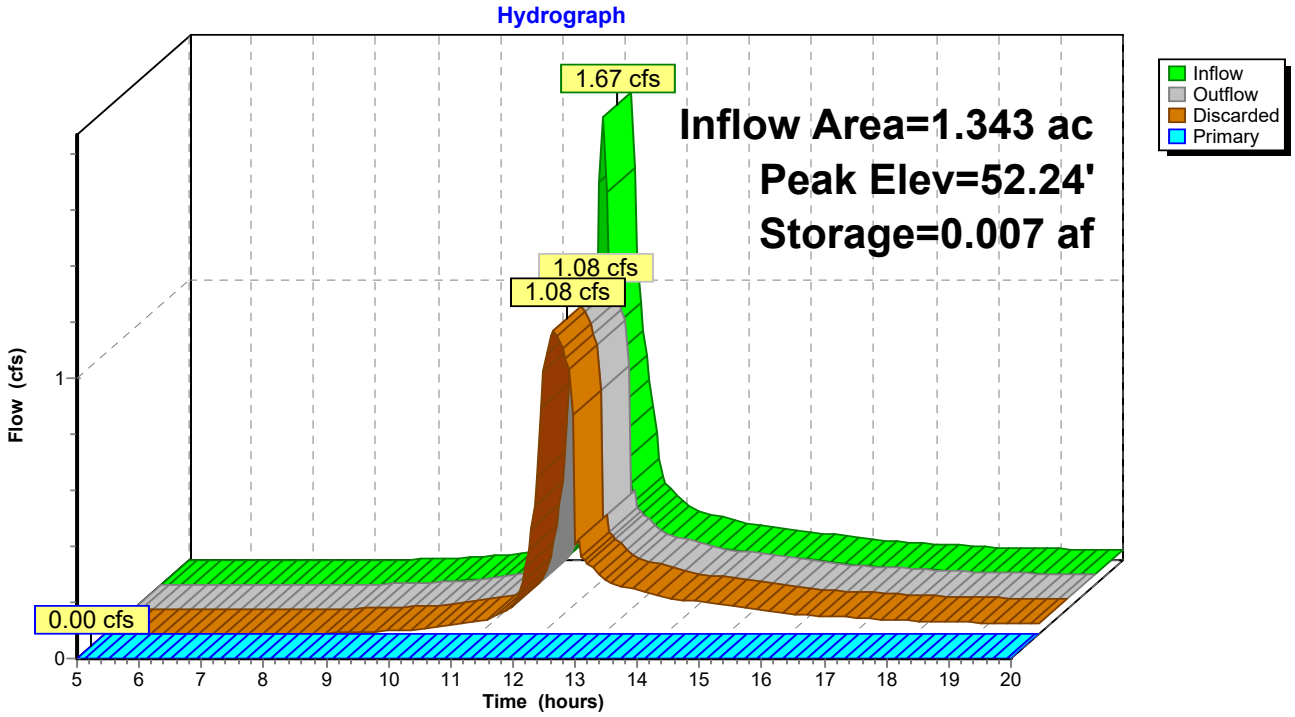
12,009.3 cf Field - 4,247.7 cf Chambers = 7,761.6 cf Stone x 40.0% Voids = 3,104.6 cf Stone Storage

Chamber Storage + Stone Storage = 7,352.3 cf = 0.169 af
Overall Storage Efficiency = 61.2%
Overall System Size = 167.38' x 20.50' x 3.50'

92 Chambers
444.8 cy Field
287.5 cy Stone



Pond 201P: Sub. Inf. 3



Stage-Area-Storage for Pond 201P: Sub. Inf. 3

Elevation (feet)	Surface (acres)	Storage (acre-feet)
52.00	**0.079**	0.000
52.05	0.079	0.002
52.10	0.079	0.003
52.15	0.079	0.005
52.20	0.079	0.006
52.25	0.079	0.008
52.30	0.079	0.009
52.35	0.079	0.011
52.40	0.079	0.013
52.45	0.079	0.014
52.50	0.079	0.016
52.55	0.079	0.019
52.60	0.079	0.022
52.65	0.079	0.026
52.70	0.079	0.029
52.75	0.079	0.032
52.80	0.079	0.035
52.85	0.079	0.038
52.90	0.079	0.042
52.95	0.079	0.045
53.00	0.079	0.048
53.05	0.079	0.051
53.10	0.079	0.054
53.15	0.079	0.057
53.20	0.079	0.061
53.25	0.079	0.064
53.30	0.079	0.067
53.35	0.079	0.070
53.40	0.079	0.073
53.45	0.079	0.076
53.50	0.079	0.079
53.55	0.079	0.082
53.60	0.079	0.085
53.65	0.079	0.088
53.70	0.079	0.091
53.75	0.079	0.094
53.80	0.079	0.097
53.85	0.079	0.099
53.90	0.079	0.102
53.95	0.079	0.105
54.00	0.079	0.108
54.05	0.079	0.111
54.10	0.079	0.113
54.15	0.079	0.116
54.20	0.079	0.119
54.25	0.079	0.121
54.30	0.079	0.124
54.35	0.079	0.126
54.40	0.079	0.129
54.45	0.079	0.131
54.50	0.079	0.134
54.55	0.079	0.136
54.60	0.079	0.138
54.65	0.079	0.140
54.70	0.079	0.142
54.75	0.079	0.144
54.80	0.079	0.146
54.85	0.079	0.148
54.90	0.079	0.150
54.95	0.079	0.151
55.00	0.079	0.153
55.05	0.079	0.155
55.10	0.079	0.156
55.15	0.079	0.158
55.20	0.079	0.159
55.25	0.079	0.161
55.30	0.079	0.162
55.35	0.079	0.164
55.40	0.079	0.166
55.45	0.079	0.167
55.50	0.079	**0.169**

Summary for Pond 202P: DMH 14

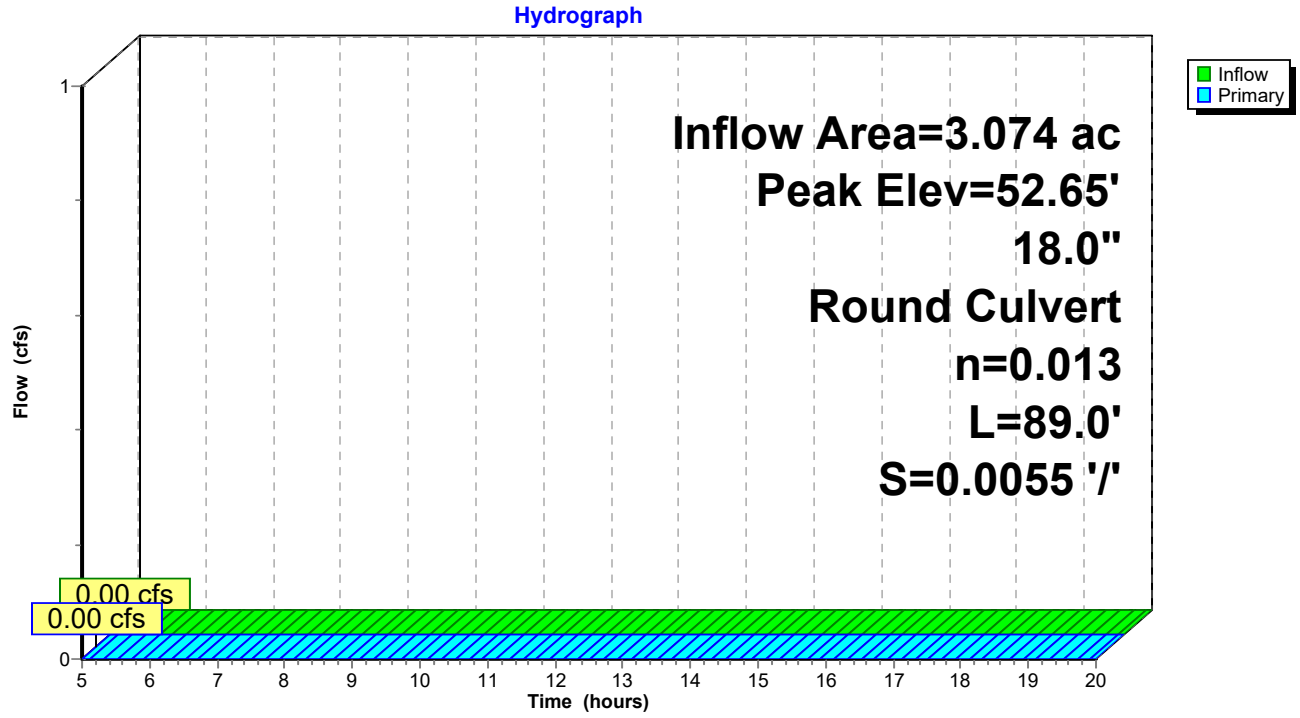
Inflow Area = 3.074 ac, 67.24% Impervious, Inflow Depth = 0.00" for 2-Year event
Inflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.65' @ 5.00 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.65'	**18.0" Round Culvert** L= 89.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.65' / 52.16' S= 0.0055 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=52.65' (Free Discharge)
1=Culvert (Controls 0.00 cfs)

Pond 202P: DMH 14



Stage-Area-Storage for Pond 202P: DMH 14

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.65	**0.000**	53.18	0.000	53.71	0.000
52.66	0.000	53.19	0.000	53.72	0.000
52.67	0.000	53.20	0.000	53.73	0.000
52.68	0.000	53.21	0.000	53.74	0.000
52.69	0.000	53.22	0.000	53.75	0.000
52.70	0.000	53.23	0.000	53.76	0.000
52.71	0.000	53.24	0.000	53.77	0.000
52.72	0.000	53.25	0.000	53.78	0.000
52.73	0.000	53.26	0.000	53.79	0.000
52.74	0.000	53.27	0.000	53.80	0.000
52.75	0.000	53.28	0.000	53.81	0.000
52.76	0.000	53.29	0.000	53.82	0.000
52.77	0.000	53.30	0.000	53.83	0.000
52.78	0.000	53.31	0.000	53.84	0.000
52.79	0.000	53.32	0.000	53.85	0.000
52.80	0.000	53.33	0.000	53.86	0.000
52.81	0.000	53.34	0.000	53.87	0.000
52.82	0.000	53.35	0.000	53.88	0.000
52.83	0.000	53.36	0.000	53.89	0.000
52.84	0.000	53.37	0.000	53.90	0.000
52.85	0.000	53.38	0.000	53.91	0.000
52.86	0.000	53.39	0.000	53.92	0.000
52.87	0.000	53.40	0.000	53.93	0.000
52.88	0.000	53.41	0.000	53.94	0.000
52.89	0.000	53.42	0.000	53.95	0.000
52.90	0.000	53.43	0.000	53.96	0.000
52.91	0.000	53.44	0.000	53.97	0.000
52.92	0.000	53.45	0.000	53.98	0.000
52.93	0.000	53.46	0.000	53.99	0.000
52.94	0.000	53.47	0.000	54.00	0.000
52.95	0.000	53.48	0.000	54.01	0.000
52.96	0.000	53.49	0.000	54.02	0.000
52.97	0.000	53.50	0.000	54.03	0.000
52.98	0.000	53.51	0.000	54.04	0.000
52.99	0.000	53.52	0.000	54.05	0.000
53.00	0.000	53.53	0.000	54.06	0.000
53.01	0.000	53.54	0.000	54.07	0.000
53.02	0.000	53.55	0.000	54.08	0.000
53.03	0.000	53.56	0.000	54.09	0.000
53.04	0.000	53.57	0.000	54.10	0.000
53.05	0.000	53.58	0.000	54.11	0.000
53.06	0.000	53.59	0.000	54.12	0.000
53.07	0.000	53.60	0.000	54.13	0.000
53.08	0.000	53.61	0.000	54.14	0.000
53.09	0.000	53.62	0.000	54.15	0.000
53.10	0.000	53.63	0.000		
53.11	0.000	53.64	0.000		
53.12	0.000	53.65	0.000		
53.13	0.000	53.66	0.000		
53.14	0.000	53.67	0.000		
53.15	0.000	53.68	0.000		
53.16	0.000	53.69	0.000		
53.17	0.000	53.70	0.000		

Summary for Pond 204P: DMH 18

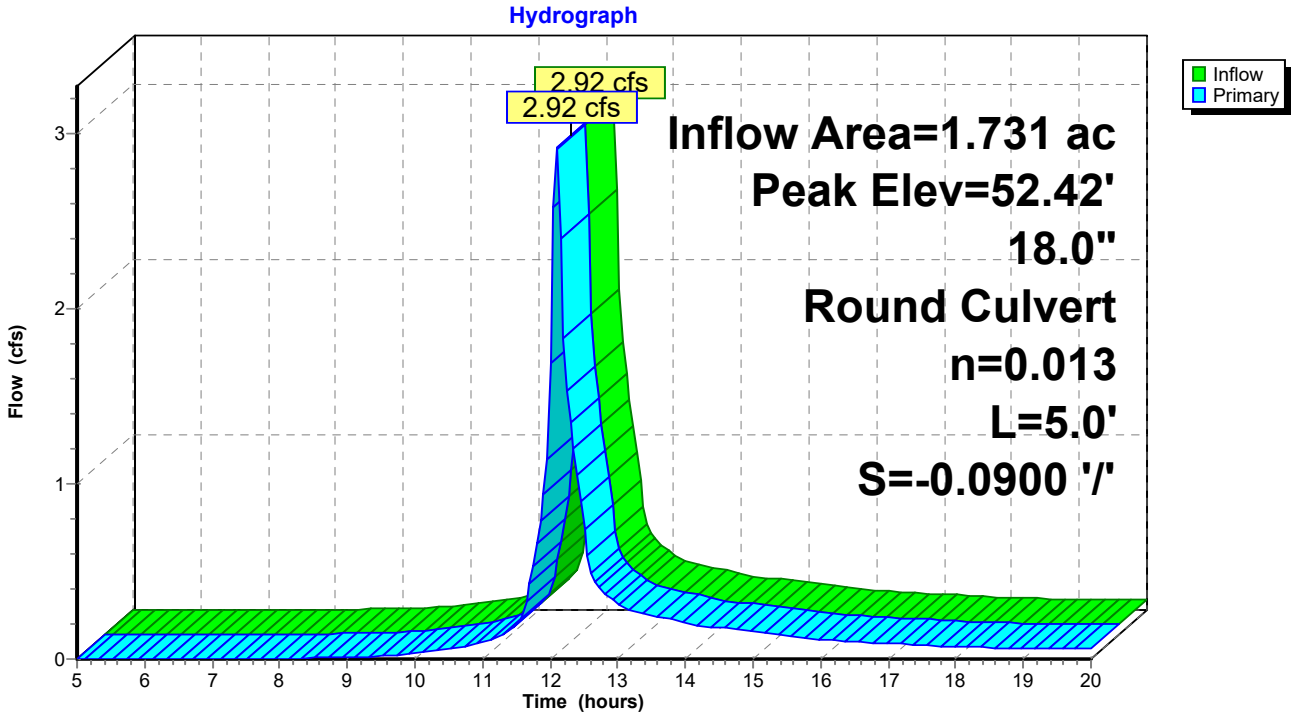
Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 1.37" for 2-Year event
Inflow = 2.92 cfs @ 12.09 hrs, Volume= 0.198 af
Outflow = 2.92 cfs @ 12.09 hrs, Volume= 0.198 af, Atten= 0%, Lag= 0.0 min
Primary = 2.92 cfs @ 12.09 hrs, Volume= 0.198 af
Routed to Pond 198P : Sub. Inf. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.42' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.50'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 51.50' S= -0.0900 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.88 cfs @ 12.09 hrs HW=52.41' (Free Discharge)
1=Culvert (Inlet Controls 2.88 cfs @ 2.56 fps)

Pond 204P: DMH 18



Stage-Area-Storage for Pond 204P: DMH 18

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.50	**0.000**	52.03	0.000	52.56	0.000
51.51	0.000	52.04	0.000	52.57	0.000
51.52	0.000	52.05	0.000	52.58	0.000
51.53	0.000	52.06	0.000	52.59	0.000
51.54	0.000	52.07	0.000	52.60	0.000
51.55	0.000	52.08	0.000	52.61	0.000
51.56	0.000	52.09	0.000	52.62	0.000
51.57	0.000	52.10	0.000	52.63	0.000
51.58	0.000	52.11	0.000	52.64	0.000
51.59	0.000	52.12	0.000	52.65	0.000
51.60	0.000	52.13	0.000	52.66	0.000
51.61	0.000	52.14	0.000	52.67	0.000
51.62	0.000	52.15	0.000	52.68	0.000
51.63	0.000	52.16	0.000	52.69	0.000
51.64	0.000	52.17	0.000	52.70	0.000
51.65	0.000	52.18	0.000	52.71	0.000
51.66	0.000	52.19	0.000	52.72	0.000
51.67	0.000	52.20	0.000	52.73	0.000
51.68	0.000	52.21	0.000	52.74	0.000
51.69	0.000	52.22	0.000	52.75	0.000
51.70	0.000	52.23	0.000	52.76	0.000
51.71	0.000	52.24	0.000	52.77	0.000
51.72	0.000	52.25	0.000	52.78	0.000
51.73	0.000	52.26	0.000	52.79	0.000
51.74	0.000	52.27	0.000	52.80	0.000
51.75	0.000	52.28	0.000	52.81	0.000
51.76	0.000	52.29	0.000	52.82	0.000
51.77	0.000	52.30	0.000	52.83	0.000
51.78	0.000	52.31	0.000	52.84	0.000
51.79	0.000	52.32	0.000	52.85	0.000
51.80	0.000	52.33	0.000	52.86	0.000
51.81	0.000	52.34	0.000	52.87	0.000
51.82	0.000	52.35	0.000	52.88	0.000
51.83	0.000	52.36	0.000	52.89	0.000
51.84	0.000	52.37	0.000	52.90	0.000
51.85	0.000	52.38	0.000	52.91	0.000
51.86	0.000	52.39	0.000	52.92	0.000
51.87	0.000	52.40	0.000	52.93	0.000
51.88	0.000	52.41	0.000	52.94	0.000
51.89	0.000	52.42	0.000	52.95	0.000
51.90	0.000	52.43	0.000	52.96	0.000
51.91	0.000	52.44	0.000	52.97	0.000
51.92	0.000	52.45	0.000	52.98	0.000
51.93	0.000	52.46	0.000	52.99	0.000
51.94	0.000	52.47	0.000	53.00	0.000
51.95	0.000	52.48	0.000		
51.96	0.000	52.49	0.000		
51.97	0.000	52.50	0.000		
51.98	0.000	52.51	0.000		
51.99	0.000	52.52	0.000		
52.00	0.000	52.53	0.000		
52.01	0.000	52.54	0.000		
52.02	0.000	52.55	0.000		

Summary for Pond 205P: DMH 27

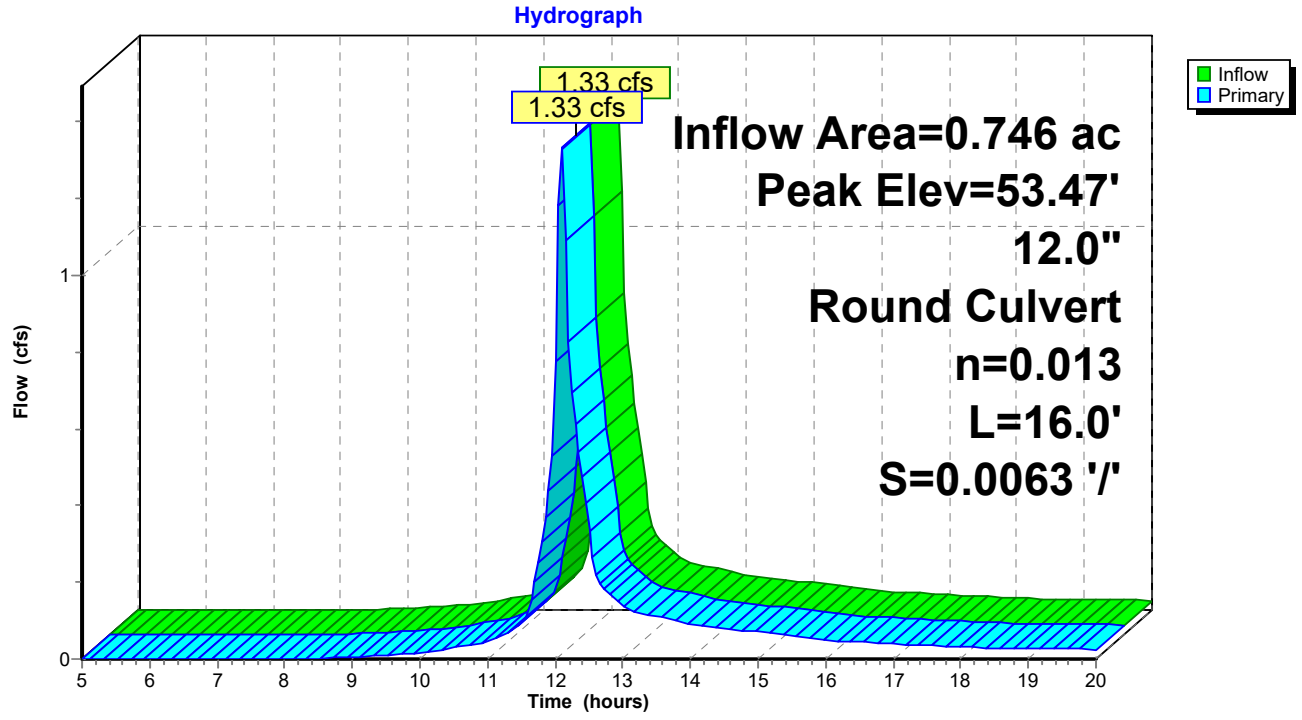
Inflow Area = 0.746 ac, 74.14% Impervious, Inflow Depth > 1.45" for 2-Year event
Inflow = 1.33 cfs @ 12.09 hrs, Volume= 0.090 af
Outflow = 1.33 cfs @ 12.09 hrs, Volume= 0.090 af, Atten= 0%, Lag= 0.0 min
Primary = 1.33 cfs @ 12.09 hrs, Volume= 0.090 af
Routed to Pond 201P : Sub. Inf. 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.47' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.70'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.70' / 52.60' S= 0.0063 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.31 cfs @ 12.09 hrs HW=53.46' (Free Discharge)
1=Culvert (Barrel Controls 1.31 cfs @ 2.82 fps)

Pond 205P: DMH 27



Stage-Area-Storage for Pond 205P: DMH 27

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.70	**0.000**	53.23	0.000
52.71	0.000	53.24	0.000
52.72	0.000	53.25	0.000
52.73	0.000	53.26	0.000
52.74	0.000	53.27	0.000
52.75	0.000	53.28	0.000
52.76	0.000	53.29	0.000
52.77	0.000	53.30	0.000
52.78	0.000	53.31	0.000
52.79	0.000	53.32	0.000
52.80	0.000	53.33	0.000
52.81	0.000	53.34	0.000
52.82	0.000	53.35	0.000
52.83	0.000	53.36	0.000
52.84	0.000	53.37	0.000
52.85	0.000	53.38	0.000
52.86	0.000	53.39	0.000
52.87	0.000	53.40	0.000
52.88	0.000	53.41	0.000
52.89	0.000	53.42	0.000
52.90	0.000	53.43	0.000
52.91	0.000	53.44	0.000
52.92	0.000	53.45	0.000
52.93	0.000	53.46	0.000
52.94	0.000	53.47	0.000
52.95	0.000	53.48	0.000
52.96	0.000	53.49	0.000
52.97	0.000	53.50	0.000
52.98	0.000	53.51	0.000
52.99	0.000	53.52	0.000
53.00	0.000	53.53	0.000
53.01	0.000	53.54	0.000
53.02	0.000	53.55	0.000
53.03	0.000	53.56	0.000
53.04	0.000	53.57	0.000
53.05	0.000	53.58	0.000
53.06	0.000	53.59	0.000
53.07	0.000	53.60	0.000
53.08	0.000	53.61	0.000
53.09	0.000	53.62	0.000
53.10	0.000	53.63	0.000
53.11	0.000	53.64	0.000
53.12	0.000	53.65	0.000
53.13	0.000	53.66	0.000
53.14	0.000	53.67	0.000
53.15	0.000	53.68	0.000
53.16	0.000	53.69	0.000
53.17	0.000	53.70	0.000
53.18	0.000		
53.19	0.000		
53.20	0.000		
53.21	0.000		
53.22	0.000		

Summary for Pond 206P: DMH 34

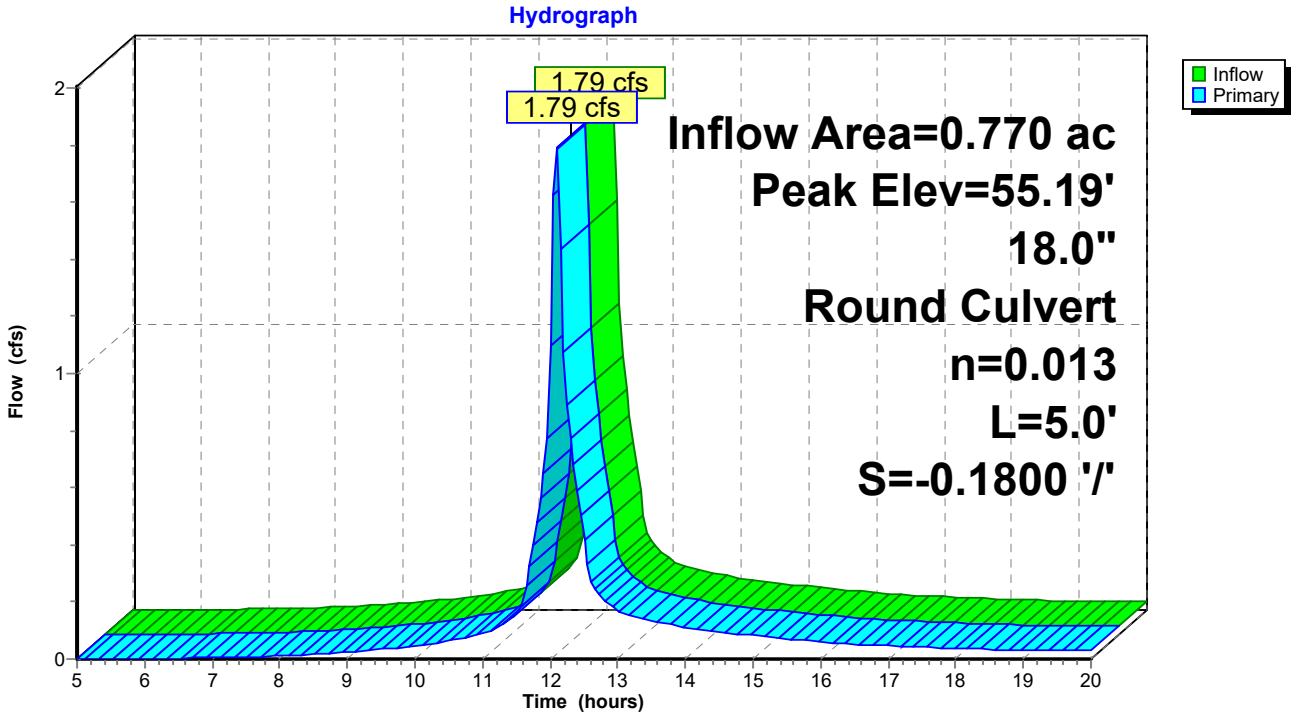
Inflow Area = 0.770 ac, 66.71% Impervious, Inflow Depth > 1.93" for 2-Year event
Inflow = 1.79 cfs @ 12.09 hrs, Volume= 0.124 af
Outflow = 1.79 cfs @ 12.09 hrs, Volume= 0.124 af, Atten= 0%, Lag= 0.0 min
Primary = 1.79 cfs @ 12.09 hrs, Volume= 0.124 af
Routed to Pond 49P : Sub. Inf. 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.50'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 54.50' S= -0.1800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.75 cfs @ 12.09 hrs HW=55.19' (Free Discharge)
1=Culvert (Inlet Controls 1.75 cfs @ 2.23 fps)

Pond 206P: DMH 34



Stage-Area-Storage for Pond 206P: DMH 34

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.50	**0.000**	55.03	0.000	55.56	0.000
54.51	0.000	55.04	0.000	55.57	0.000
54.52	0.000	55.05	0.000	55.58	0.000
54.53	0.000	55.06	0.000	55.59	0.000
54.54	0.000	55.07	0.000	55.60	0.000
54.55	0.000	55.08	0.000	55.61	0.000
54.56	0.000	55.09	0.000	55.62	0.000
54.57	0.000	55.10	0.000	55.63	0.000
54.58	0.000	55.11	0.000	55.64	0.000
54.59	0.000	55.12	0.000	55.65	0.000
54.60	0.000	55.13	0.000	55.66	0.000
54.61	0.000	55.14	0.000	55.67	0.000
54.62	0.000	55.15	0.000	55.68	0.000
54.63	0.000	55.16	0.000	55.69	0.000
54.64	0.000	55.17	0.000	55.70	0.000
54.65	0.000	55.18	0.000	55.71	0.000
54.66	0.000	55.19	0.000	55.72	0.000
54.67	0.000	55.20	0.000	55.73	0.000
54.68	0.000	55.21	0.000	55.74	0.000
54.69	0.000	55.22	0.000	55.75	0.000
54.70	0.000	55.23	0.000	55.76	0.000
54.71	0.000	55.24	0.000	55.77	0.000
54.72	0.000	55.25	0.000	55.78	0.000
54.73	0.000	55.26	0.000	55.79	0.000
54.74	0.000	55.27	0.000	55.80	0.000
54.75	0.000	55.28	0.000	55.81	0.000
54.76	0.000	55.29	0.000	55.82	0.000
54.77	0.000	55.30	0.000	55.83	0.000
54.78	0.000	55.31	0.000	55.84	0.000
54.79	0.000	55.32	0.000	55.85	0.000
54.80	0.000	55.33	0.000	55.86	0.000
54.81	0.000	55.34	0.000	55.87	0.000
54.82	0.000	55.35	0.000	55.88	0.000
54.83	0.000	55.36	0.000	55.89	0.000
54.84	0.000	55.37	0.000	55.90	0.000
54.85	0.000	55.38	0.000	55.91	0.000
54.86	0.000	55.39	0.000	55.92	0.000
54.87	0.000	55.40	0.000	55.93	0.000
54.88	0.000	55.41	0.000	55.94	0.000
54.89	0.000	55.42	0.000	55.95	0.000
54.90	0.000	55.43	0.000	55.96	0.000
54.91	0.000	55.44	0.000	55.97	0.000
54.92	0.000	55.45	0.000	55.98	0.000
54.93	0.000	55.46	0.000	55.99	0.000
54.94	0.000	55.47	0.000	56.00	0.000
54.95	0.000	55.48	0.000		
54.96	0.000	55.49	0.000		
54.97	0.000	55.50	0.000		
54.98	0.000	55.51	0.000		
54.99	0.000	55.52	0.000		
55.00	0.000	55.53	0.000		
55.01	0.000	55.54	0.000		
55.02	0.000	55.55	0.000		

Summary for Pond 207P: DMH 48

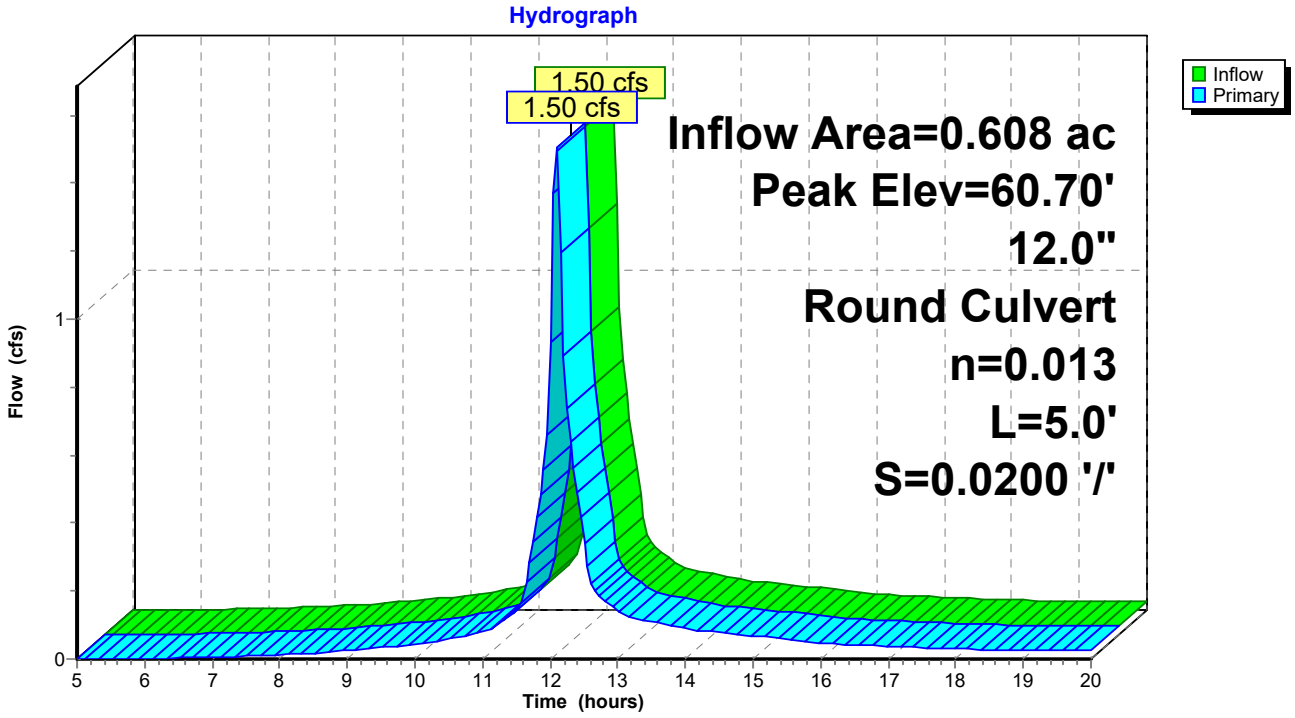
Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 2.06" for 2-Year event
Inflow = 1.50 cfs @ 12.09 hrs, Volume= 0.105 af
Outflow = 1.50 cfs @ 12.09 hrs, Volume= 0.105 af, Atten= 0%, Lag= 0.0 min
Primary = 1.50 cfs @ 12.09 hrs, Volume= 0.105 af
Routed to Pond 68P : Sub. Inf. 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.70' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.90'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.90' / 59.80' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.47 cfs @ 12.09 hrs HW=60.68' (Free Discharge)
1=Culvert (Barrel Controls 1.47 cfs @ 3.06 fps)

Pond 207P: DMH 48



Stage-Area-Storage for Pond 207P: DMH 48

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.90	**0.000**	60.43	0.000
59.91	0.000	60.44	0.000
59.92	0.000	60.45	0.000
59.93	0.000	60.46	0.000
59.94	0.000	60.47	0.000
59.95	0.000	60.48	0.000
59.96	0.000	60.49	0.000
59.97	0.000	60.50	0.000
59.98	0.000	60.51	0.000
59.99	0.000	60.52	0.000
60.00	0.000	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000		
60.39	0.000		
60.40	0.000		
60.41	0.000		
60.42	0.000		

Summary for Pond 208P: DMH 58

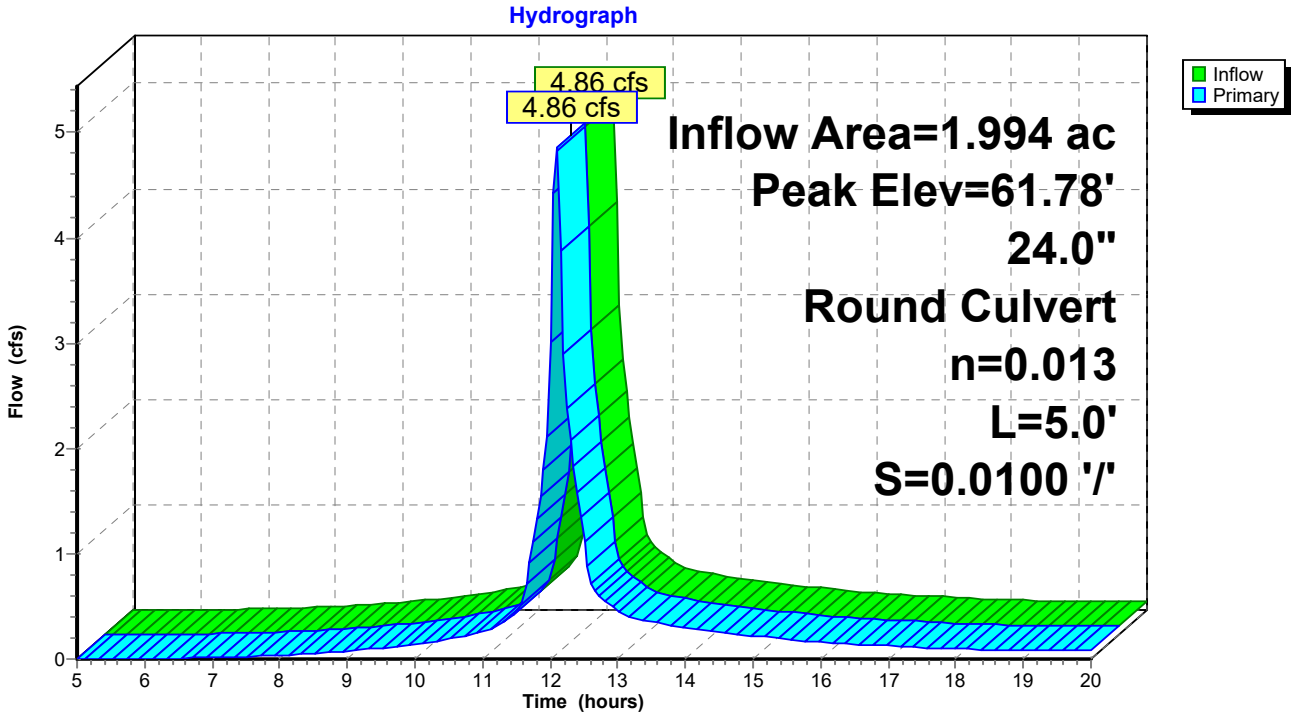
Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 2.02" for 2-Year event
Inflow = 4.86 cfs @ 12.09 hrs, Volume= 0.336 af
Outflow = 4.86 cfs @ 12.09 hrs, Volume= 0.336 af, Atten= 0%, Lag= 0.0 min
Primary = 4.86 cfs @ 12.09 hrs, Volume= 0.336 af
Routed to Pond 60P : Sub. Det. 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.55'	**24.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.55' / 60.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.75 cfs @ 12.09 hrs HW=61.77' (Free Discharge)
1=Culvert (Barrel Controls 4.75 cfs @ 3.40 fps)

Pond 208P: DMH 58



Stage-Area-Storage for Pond 208P: DMH 58

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.55	**0.000**	61.61	0.000
60.57	0.000	61.63	0.000
60.59	0.000	61.65	0.000
60.61	0.000	61.67	0.000
60.63	0.000	61.69	0.000
60.65	0.000	61.71	0.000
60.67	0.000	61.73	0.000
60.69	0.000	61.75	0.000
60.71	0.000	61.77	0.000
60.73	0.000	61.79	0.000
60.75	0.000	61.81	0.000
60.77	0.000	61.83	0.000
60.79	0.000	61.85	0.000
60.81	0.000	61.87	0.000
60.83	0.000	61.89	0.000
60.85	0.000	61.91	0.000
60.87	0.000	61.93	0.000
60.89	0.000	61.95	0.000
60.91	0.000	61.97	0.000
60.93	0.000	61.99	0.000
60.95	0.000	62.01	0.000
60.97	0.000	62.03	0.000
60.99	0.000	62.05	0.000
61.01	0.000	62.07	0.000
61.03	0.000	62.09	0.000
61.05	0.000	62.11	0.000
61.07	0.000	62.13	0.000
61.09	0.000	62.15	0.000
61.11	0.000	62.17	0.000
61.13	0.000	62.19	0.000
61.15	0.000	62.21	0.000
61.17	0.000	62.23	0.000
61.19	0.000	62.25	0.000
61.21	0.000	62.27	0.000
61.23	0.000	62.29	0.000
61.25	0.000	62.31	0.000
61.27	0.000	62.33	0.000
61.29	0.000	62.35	0.000
61.31	0.000	62.37	0.000
61.33	0.000	62.39	0.000
61.35	0.000	62.41	0.000
61.37	0.000	62.43	0.000
61.39	0.000	62.45	0.000
61.41	0.000	62.47	0.000
61.43	0.000	62.49	0.000
61.45	0.000	62.51	0.000
61.47	0.000	62.53	0.000
61.49	0.000	62.55	0.000
61.51	0.000		
61.53	0.000		
61.55	0.000		
61.57	0.000		
61.59	0.000		

Summary for Pond 209P: DMH 64

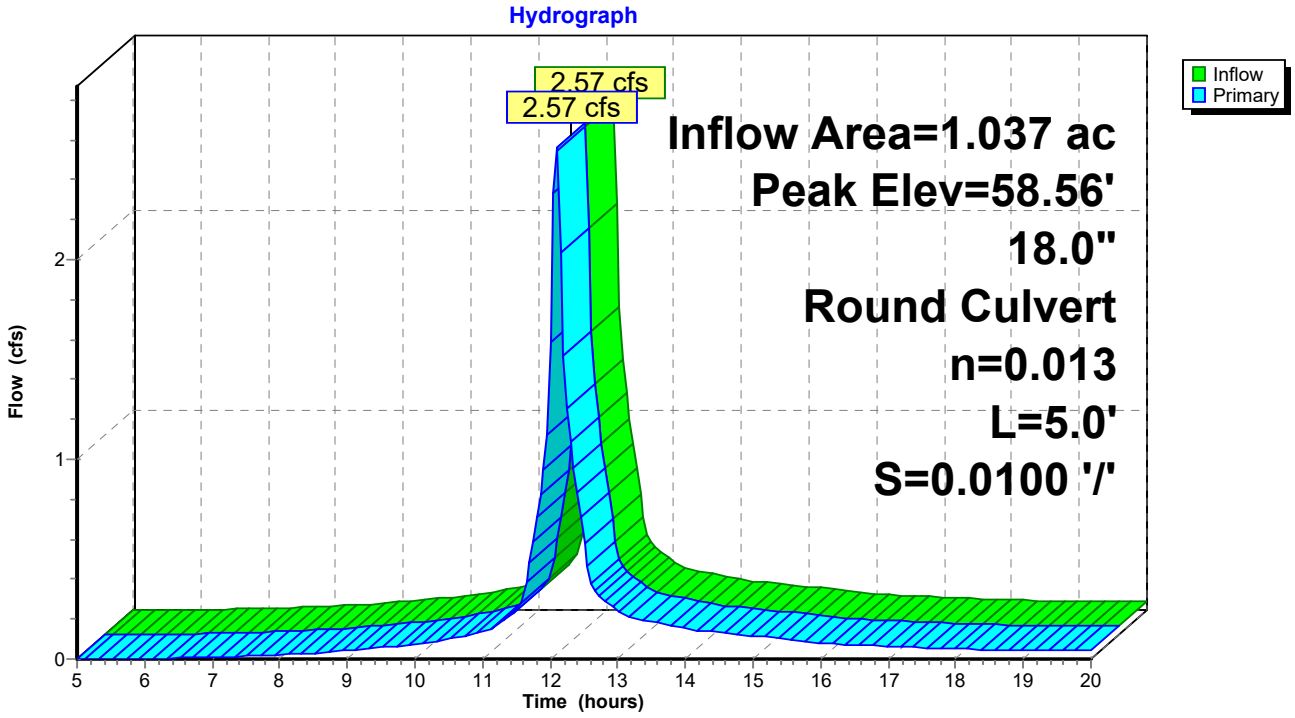
Inflow Area = 1.037 ac, 70.16% Impervious, Inflow Depth > 2.06" for 2-Year event
Inflow = 2.57 cfs @ 12.09 hrs, Volume= 0.178 af
Outflow = 2.57 cfs @ 12.09 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 2.57 cfs @ 12.09 hrs, Volume= 0.178 af
Routed to Pond 97P : Sub. Det. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.56' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.60'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.60' / 57.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.51 cfs @ 12.09 hrs HW=58.55' (Free Discharge)
1=Culvert (Barrel Controls 2.51 cfs @ 3.04 fps)

Pond 209P: DMH 64



Stage-Area-Storage for Pond 209P: DMH 64

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.60	**0.000**	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000	58.90	0.000
57.85	0.000	58.38	0.000	58.91	0.000
57.86	0.000	58.39	0.000	58.92	0.000
57.87	0.000	58.40	0.000	58.93	0.000
57.88	0.000	58.41	0.000	58.94	0.000
57.89	0.000	58.42	0.000	58.95	0.000
57.90	0.000	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000		
58.06	0.000	58.59	0.000		
58.07	0.000	58.60	0.000		
58.08	0.000	58.61	0.000		
58.09	0.000	58.62	0.000		
58.10	0.000	58.63	0.000		
58.11	0.000	58.64	0.000		
58.12	0.000	58.65	0.000		

Summary for Pond 210P: DMH 68

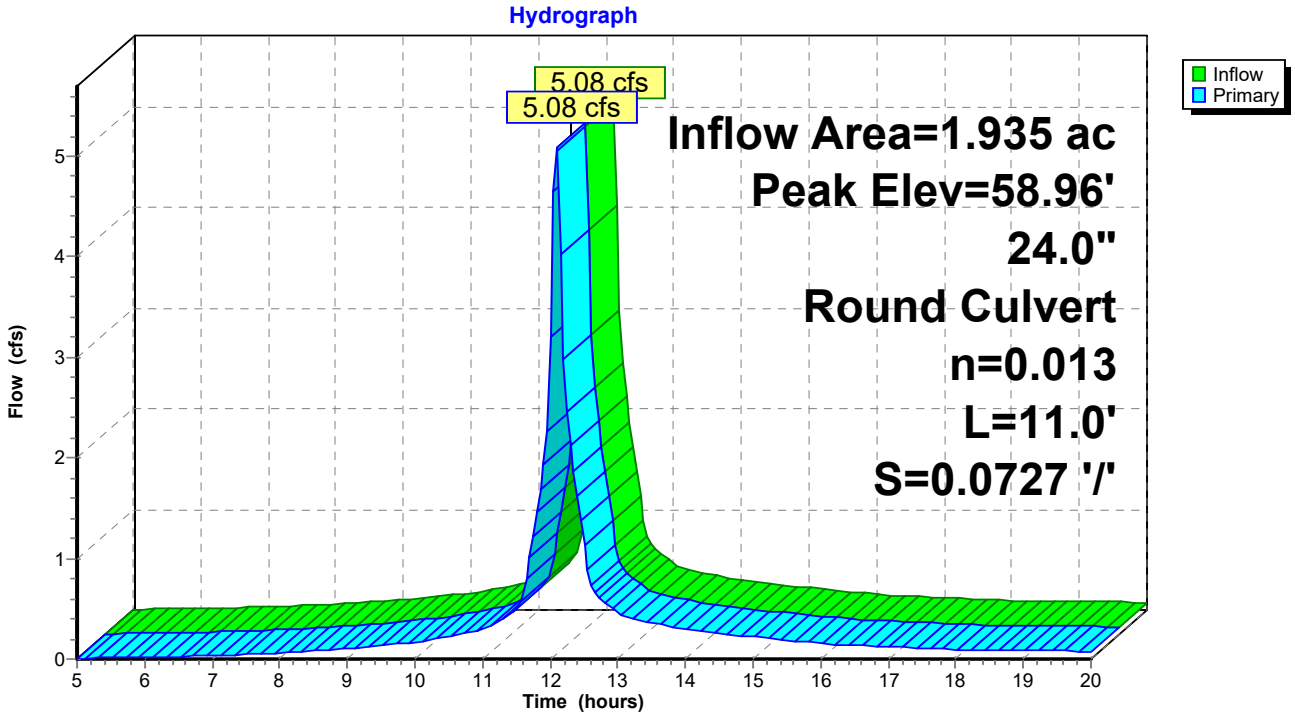
Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 2.23" for 2-Year event
Inflow = 5.08 cfs @ 12.09 hrs, Volume= 0.360 af
Outflow = 5.08 cfs @ 12.09 hrs, Volume= 0.360 af, Atten= 0%, Lag= 0.0 min
Primary = 5.08 cfs @ 12.09 hrs, Volume= 0.360 af
Routed to Pond 221P : Inf. Basin 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.85'	**24.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.85' / 57.05' S= 0.0727 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.96 cfs @ 12.09 hrs HW=58.95' (Free Discharge)
1=Culvert (Inlet Controls 4.96 cfs @ 2.81 fps)

Pond 210P: DMH 68



Stage-Area-Storage for Pond 210P: DMH 68

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.85	**0.000**	58.91	0.000
57.87	0.000	58.93	0.000
57.89	0.000	58.95	0.000
57.91	0.000	58.97	0.000
57.93	0.000	58.99	0.000
57.95	0.000	59.01	0.000
57.97	0.000	59.03	0.000
57.99	0.000	59.05	0.000
58.01	0.000	59.07	0.000
58.03	0.000	59.09	0.000
58.05	0.000	59.11	0.000
58.07	0.000	59.13	0.000
58.09	0.000	59.15	0.000
58.11	0.000	59.17	0.000
58.13	0.000	59.19	0.000
58.15	0.000	59.21	0.000
58.17	0.000	59.23	0.000
58.19	0.000	59.25	0.000
58.21	0.000	59.27	0.000
58.23	0.000	59.29	0.000
58.25	0.000	59.31	0.000
58.27	0.000	59.33	0.000
58.29	0.000	59.35	0.000
58.31	0.000	59.37	0.000
58.33	0.000	59.39	0.000
58.35	0.000	59.41	0.000
58.37	0.000	59.43	0.000
58.39	0.000	59.45	0.000
58.41	0.000	59.47	0.000
58.43	0.000	59.49	0.000
58.45	0.000	59.51	0.000
58.47	0.000	59.53	0.000
58.49	0.000	59.55	0.000
58.51	0.000	59.57	0.000
58.53	0.000	59.59	0.000
58.55	0.000	59.61	0.000
58.57	0.000	59.63	0.000
58.59	0.000	59.65	0.000
58.61	0.000	59.67	0.000
58.63	0.000	59.69	0.000
58.65	0.000	59.71	0.000
58.67	0.000	59.73	0.000
58.69	0.000	59.75	0.000
58.71	0.000	59.77	0.000
58.73	0.000	59.79	0.000
58.75	0.000	59.81	0.000
58.77	0.000	59.83	0.000
58.79	0.000	59.85	0.000
58.81	0.000		
58.83	0.000		
58.85	0.000		
58.87	0.000		
58.89	0.000		

Summary for Pond 211P: Sub. Inf. 1B

Inflow Area = 4.409 ac, 67.96% Impervious, Inflow Depth > 0.39" for 2-Year event
Inflow = 2.09 cfs @ 12.10 hrs, Volume= 0.142 af
Outflow = 1.55 cfs @ 12.17 hrs, Volume= 0.142 af, Atten= 26%, Lag= 4.6 min
Discarded = 1.55 cfs @ 12.17 hrs, Volume= 0.142 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 214P : DMH 4A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.20' @ 12.17 hrs Surf.Area= 0.064 ac Storage= 0.005 af

Plug-Flow detention time= 0.8 min calculated for 0.142 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (803.1 - 802.4)

Volume	Invert	Avail.Storage	Storage Description
#1A	50.00'	0.058 af	**25.25'W x 110.42'L x 3.50'H Field A** 0.224 af Overall - 0.080 af Embedded = 0.144 af x 40.0% Voids
#2A	50.50'	0.080 af	**ADS_StormTech SC-740 b +Cap** x 75 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 75 Chambers in 5 Rows Cap Storage= 2.7 cf x 2 x 5 rows = 26.5 cf
		0.137 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.00'	**22.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 47.00'
#2	Primary	51.50'	**24.0" Round Culvert** L= 110.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.50' / 48.00' S= 0.0318 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Discarded OutFlow Max=1.55 cfs @ 12.17 hrs HW=50.19' (Free Discharge)
↑**1=Exfiltration** (Controls 1.55 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=50.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 211P: Sub. Inf. 1B - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 5 rows = 26.5 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

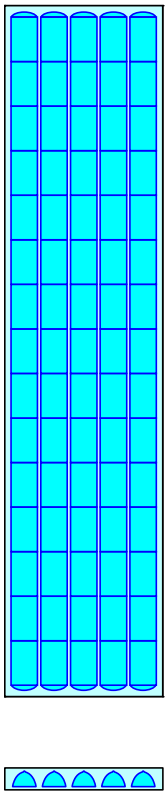
15 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 108.42' Row Length +12.0" End Stone x 2 = 110.42' Base Length
5 Rows x 51.0" Wide + 6.0" Spacing x 4 + 12.0" Side Stone x 2 = 25.25' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

75 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 5 Rows = 3,472.1 cf Chamber Storage

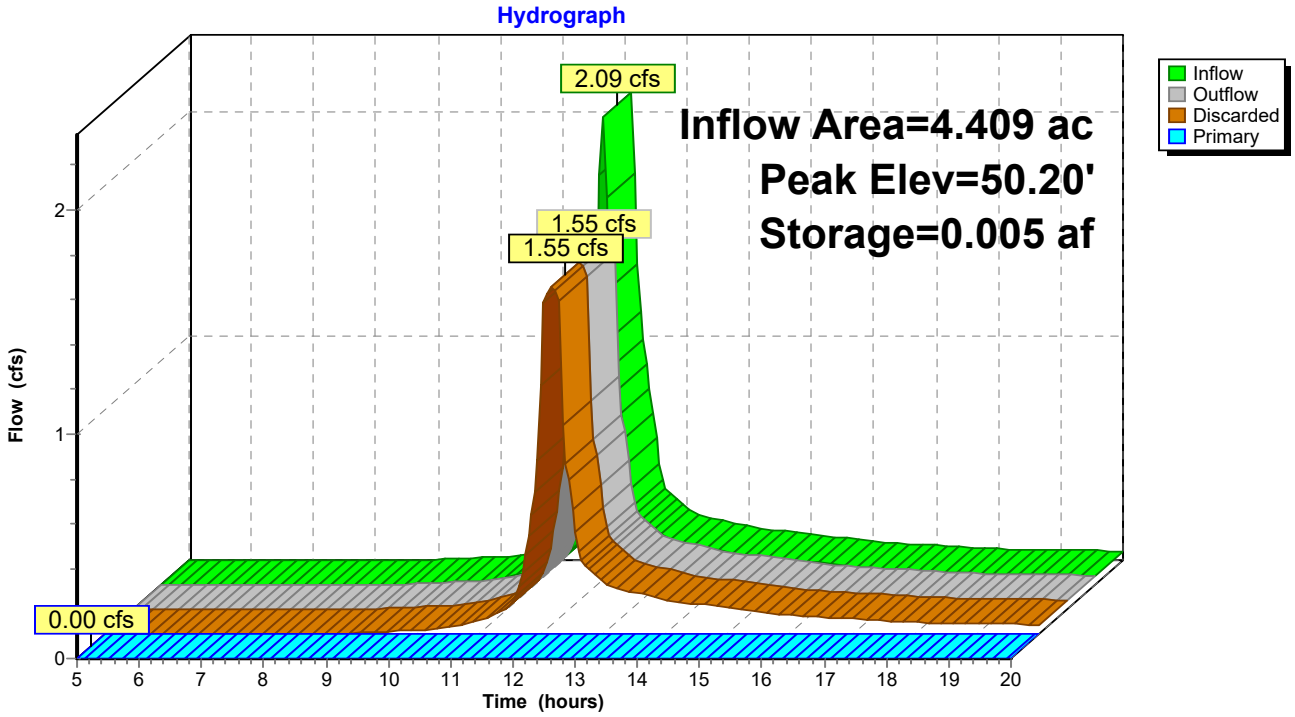
9,758.1 cf Field - 3,472.1 cf Chambers = 6,286.0 cf Stone x 40.0% Voids = 2,514.4 cf Stone Storage

Chamber Storage + Stone Storage = 5,986.5 cf = 0.137 af
Overall Storage Efficiency = 61.3%
Overall System Size = 110.42' x 25.25' x 3.50'

75 Chambers
361.4 cy Field
232.8 cy Stone



Pond 211P: Sub. Inf. 1B



Stage-Area-Storage for Pond 211P: Sub. Inf. 1B

Elevation (feet)	Surface (acres)	Storage (acre-feet)
50.00	**0.064**	0.000
50.05	0.064	0.001
50.10	0.064	0.003
50.15	0.064	0.004
50.20	0.064	0.005
50.25	0.064	0.006
50.30	0.064	0.008
50.35	0.064	0.009
50.40	0.064	0.010
50.45	0.064	0.012
50.50	0.064	0.013
50.55	0.064	0.015
50.60	0.064	0.018
50.65	0.064	0.021
50.70	0.064	0.023
50.75	0.064	0.026
50.80	0.064	0.029
50.85	0.064	0.031
50.90	0.064	0.034
50.95	0.064	0.037
51.00	0.064	0.039
51.05	0.064	0.042
51.10	0.064	0.044
51.15	0.064	0.047
51.20	0.064	0.049
51.25	0.064	0.052
51.30	0.064	0.054
51.35	0.064	0.057
51.40	0.064	0.059
51.45	0.064	0.062
51.50	0.064	0.064
51.55	0.064	0.067
51.60	0.064	0.069
51.65	0.064	0.072
51.70	0.064	0.074
51.75	0.064	0.076
51.80	0.064	0.079
51.85	0.064	0.081
51.90	0.064	0.083
51.95	0.064	0.086
52.00	0.064	0.088
52.05	0.064	0.090
52.10	0.064	0.092
52.15	0.064	0.095
52.20	0.064	0.097
52.25	0.064	0.099
52.30	0.064	0.101
52.35	0.064	0.103
52.40	0.064	0.105
52.45	0.064	0.107
52.50	0.064	0.109
52.55	0.064	0.111
52.60	0.064	0.113
52.65	0.064	0.114
52.70	0.064	0.116
52.75	0.064	0.118
52.80	0.064	0.119
52.85	0.064	0.121
52.90	0.064	0.122
52.95	0.064	0.123
53.00	0.064	0.125
53.05	0.064	0.126
53.10	0.064	0.127
53.15	0.064	0.128
53.20	0.064	0.130
53.25	0.064	0.131
53.30	0.064	0.132
53.35	0.064	0.134
53.40	0.064	0.135
53.45	0.064	0.136
53.50	0.064	**0.137**

Summary for Pond 212P: Sub. Inf. 1A

Inflow Area = 4.558 ac, 68.27% Impervious, Inflow Depth > 0.05" for 2-Year event
Inflow = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af
Outflow = 0.29 cfs @ 12.11 hrs, Volume= 0.020 af, Atten= 2%, Lag= 1.0 min
Discarded = 0.29 cfs @ 12.11 hrs, Volume= 0.020 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.52' @ 12.11 hrs Surf.Area= 0.055 ac Storage= 0.000 af

Plug-Flow detention time= 1.0 min calculated for 0.020 af (100% of inflow)
Center-of-Mass det. time= 0.8 min (791.9 - 791.1)

Volume	Invert	Avail.Storage	Storage Description
#1A	47.50'	0.050 af	**20.50'W x 117.54'L x 3.50'H Field A** 0.194 af Overall - 0.068 af Embedded = 0.126 af x 40.0% Voids
#2A	48.00'	0.068 af	**ADS_StormTech SC-740 b +Cap** x 64 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 64 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.118 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	47.50'	**10.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 45.00'
#2	Primary	48.00'	**18.0" Round Culvert** L= 17.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.85' S= 0.0088 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Discarded OutFlow Max=0.56 cfs @ 12.11 hrs HW=47.52' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.56 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=47.50' (Free Discharge)
↑—**2=Culvert** (Controls 0.00 cfs)

Pond 212P: Sub. Inf. 1A - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

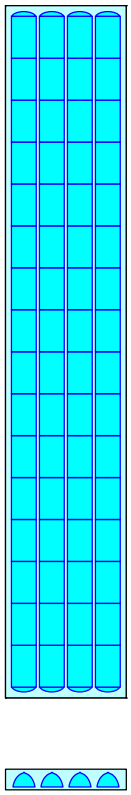
16 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 115.54' Row Length +12.0" End Stone x 2 = 117.54' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

64 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 2,961.4 cf Chamber Storage

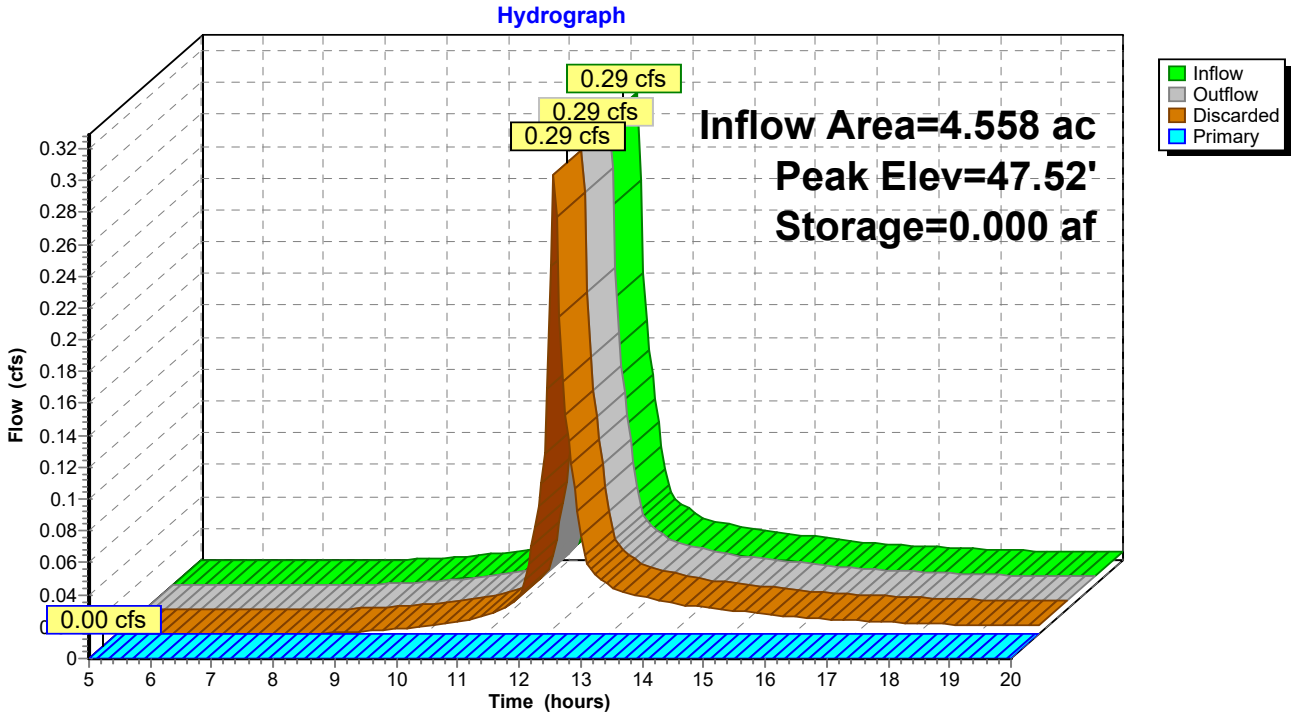
8,433.3 cf Field - 2,961.4 cf Chambers = 5,471.9 cf Stone x 40.0% Voids = 2,188.7 cf Stone Storage

Chamber Storage + Stone Storage = 5,150.1 cf = 0.118 af
Overall Storage Efficiency = 61.1%
Overall System Size = 117.54' x 20.50' x 3.50'

64 Chambers
312.3 cy Field
202.7 cy Stone



Pond 212P: Sub. Inf. 1A



Stage-Area-Storage for Pond 212P: Sub. Inf. 1A

Elevation (feet)	Surface (acres)	Storage (acre-feet)	Elevation (feet)	Surface (acres)	Storage (acre-feet)
47.50	**0.055**	0.000	50.15	0.055	0.098
47.55	0.055	0.001	50.20	0.055	0.100
47.60	0.055	0.002	50.25	0.055	0.101
47.65	0.055	0.003	50.30	0.055	0.102
47.70	0.055	0.004	50.35	0.055	0.104
47.75	0.055	0.006	50.40	0.055	0.105
47.80	0.055	0.007	50.45	0.055	0.106
47.85	0.055	0.008	50.50	0.055	0.107
47.90	0.055	0.009	50.55	0.055	0.108
47.95	0.055	0.010	50.60	0.055	0.109
48.00	0.055	0.011	50.65	0.055	0.110
48.05	0.055	0.013	50.70	0.055	0.112
48.10	0.055	0.016	50.75	0.055	0.113
48.15	0.055	0.018	50.80	0.055	0.114
48.20	0.055	0.020	50.85	0.055	0.115
48.25	0.055	0.022	50.90	0.055	0.116
48.30	0.055	0.025	50.95	0.055	0.117
48.35	0.055	0.027	51.00	0.055	**0.118**
48.40	0.055	0.029			
48.45	0.055	0.031			
48.50	0.055	0.034			
48.55	0.055	0.036			
48.60	0.055	0.038			
48.65	0.055	0.040			
48.70	0.055	0.042			
48.75	0.055	0.045			
48.80	0.055	0.047			
48.85	0.055	0.049			
48.90	0.055	0.051			
48.95	0.055	0.053			
49.00	0.055	0.055			
49.05	0.055	0.057			
49.10	0.055	0.059			
49.15	0.055	0.062			
49.20	0.055	0.064			
49.25	0.055	0.066			
49.30	0.055	0.068			
49.35	0.055	0.070			
49.40	0.055	0.072			
49.45	0.055	0.074			
49.50	0.055	0.076			
49.55	0.055	0.077			
49.60	0.055	0.079			
49.65	0.055	0.081			
49.70	0.055	0.083			
49.75	0.055	0.085			
49.80	0.055	0.087			
49.85	0.055	0.088			
49.90	0.055	0.090			
49.95	0.055	0.092			
50.00	0.055	0.094			
50.05	0.055	0.095			
50.10	0.055	0.097			

Summary for Pond 213P: DMH 2

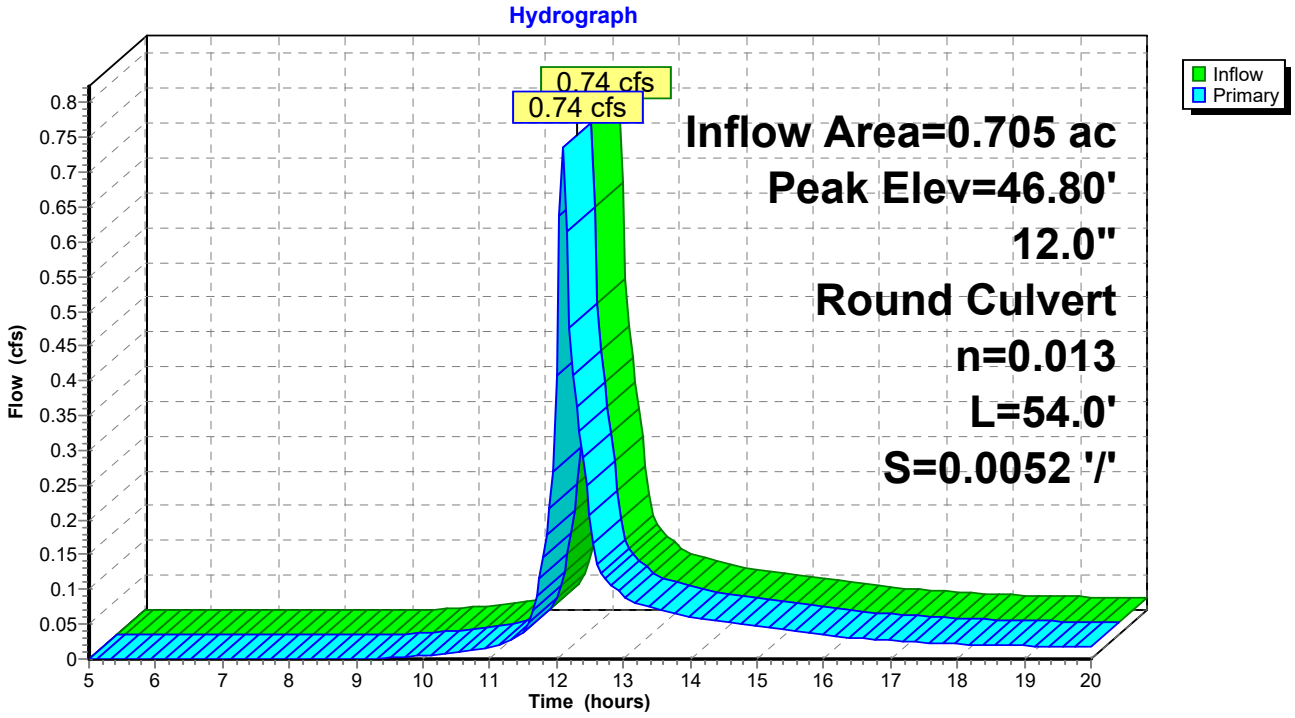
Inflow Area = 0.705 ac, 57.45% Impervious, Inflow Depth > 0.90" for 2-Year event
Inflow = 0.74 cfs @ 12.10 hrs, Volume= 0.053 af
Outflow = 0.74 cfs @ 12.10 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.74 cfs @ 12.10 hrs, Volume= 0.053 af
Routed to Pond 186P : Constructed Wetland 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 46.80' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.28'	**12.0" Round Culvert** L= 54.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.28' / 46.00' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.10 hrs HW=46.80' (Free Discharge)
1=Culvert (Barrel Controls 0.73 cfs @ 2.56 fps)

Pond 213P: DMH 2



Stage-Area-Storage for Pond 213P: DMH 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.28	**0.000**	46.81	0.000
46.29	0.000	46.82	0.000
46.30	0.000	46.83	0.000
46.31	0.000	46.84	0.000
46.32	0.000	46.85	0.000
46.33	0.000	46.86	0.000
46.34	0.000	46.87	0.000
46.35	0.000	46.88	0.000
46.36	0.000	46.89	0.000
46.37	0.000	46.90	0.000
46.38	0.000	46.91	0.000
46.39	0.000	46.92	0.000
46.40	0.000	46.93	0.000
46.41	0.000	46.94	0.000
46.42	0.000	46.95	0.000
46.43	0.000	46.96	0.000
46.44	0.000	46.97	0.000
46.45	0.000	46.98	0.000
46.46	0.000	46.99	0.000
46.47	0.000	47.00	0.000
46.48	0.000	47.01	0.000
46.49	0.000	47.02	0.000
46.50	0.000	47.03	0.000
46.51	0.000	47.04	0.000
46.52	0.000	47.05	0.000
46.53	0.000	47.06	0.000
46.54	0.000	47.07	0.000
46.55	0.000	47.08	0.000
46.56	0.000	47.09	0.000
46.57	0.000	47.10	0.000
46.58	0.000	47.11	0.000
46.59	0.000	47.12	0.000
46.60	0.000	47.13	0.000
46.61	0.000	47.14	0.000
46.62	0.000	47.15	0.000
46.63	0.000	47.16	0.000
46.64	0.000	47.17	0.000
46.65	0.000	47.18	0.000
46.66	0.000	47.19	0.000
46.67	0.000	47.20	0.000
46.68	0.000	47.21	0.000
46.69	0.000	47.22	0.000
46.70	0.000	47.23	0.000
46.71	0.000	47.24	0.000
46.72	0.000	47.25	0.000
46.73	0.000	47.26	0.000
46.74	0.000	47.27	0.000
46.75	0.000	47.28	0.000
46.76	0.000		
46.77	0.000		
46.78	0.000		
46.79	0.000		
46.80	0.000		

Summary for Pond 214P: DMH 4A

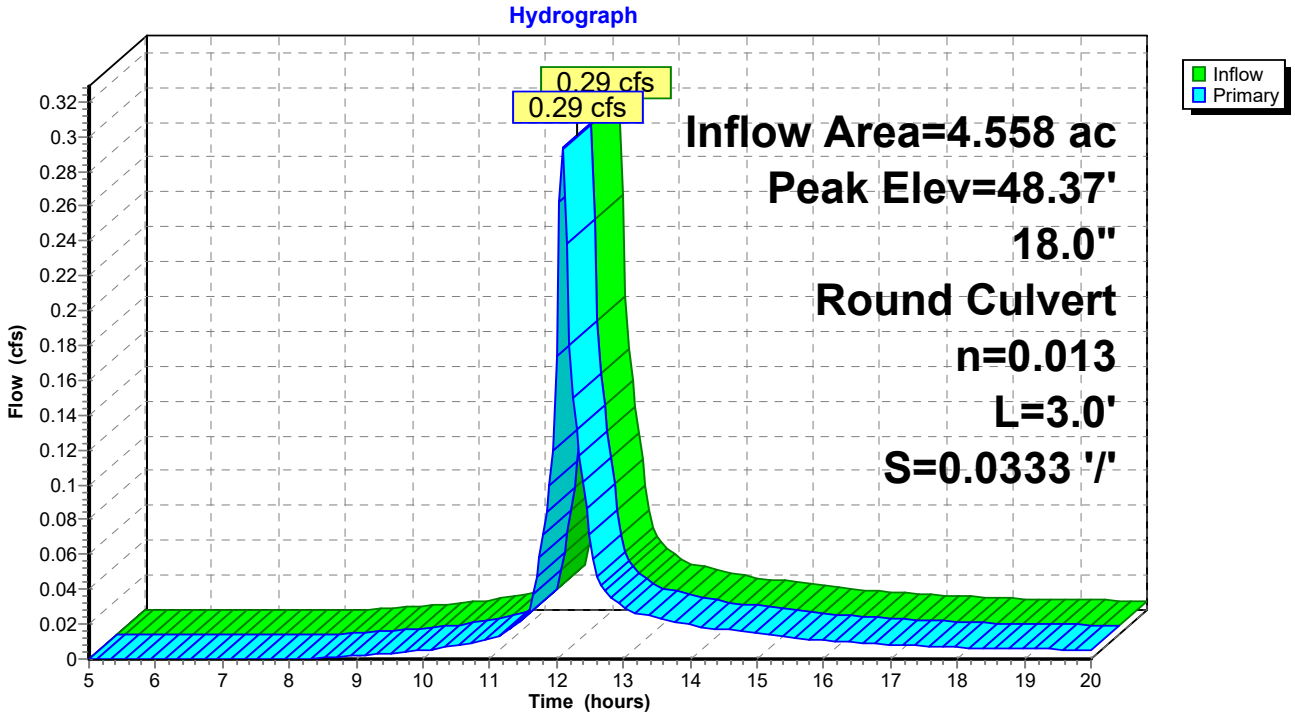
Inflow Area = 4.558 ac, 68.27% Impervious, Inflow Depth > 0.05" for 2-Year event
Inflow = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af
Outflow = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af
Routed to Pond 212P : Sub. Inf. 1A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.37' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.10'	**18.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.10' / 48.00' S= 0.0333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.29 cfs @ 12.09 hrs HW=48.36' (Free Discharge)
1=Culvert (Inlet Controls 0.29 cfs @ 1.38 fps)

Pond 214P: DMH 4A



Stage-Area-Storage for Pond 214P: DMH 4A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.10	**0.000**	48.63	0.000	49.16	0.000
48.11	0.000	48.64	0.000	49.17	0.000
48.12	0.000	48.65	0.000	49.18	0.000
48.13	0.000	48.66	0.000	49.19	0.000
48.14	0.000	48.67	0.000	49.20	0.000
48.15	0.000	48.68	0.000	49.21	0.000
48.16	0.000	48.69	0.000	49.22	0.000
48.17	0.000	48.70	0.000	49.23	0.000
48.18	0.000	48.71	0.000	49.24	0.000
48.19	0.000	48.72	0.000	49.25	0.000
48.20	0.000	48.73	0.000	49.26	0.000
48.21	0.000	48.74	0.000	49.27	0.000
48.22	0.000	48.75	0.000	49.28	0.000
48.23	0.000	48.76	0.000	49.29	0.000
48.24	0.000	48.77	0.000	49.30	0.000
48.25	0.000	48.78	0.000	49.31	0.000
48.26	0.000	48.79	0.000	49.32	0.000
48.27	0.000	48.80	0.000	49.33	0.000
48.28	0.000	48.81	0.000	49.34	0.000
48.29	0.000	48.82	0.000	49.35	0.000
48.30	0.000	48.83	0.000	49.36	0.000
48.31	0.000	48.84	0.000	49.37	0.000
48.32	0.000	48.85	0.000	49.38	0.000
48.33	0.000	48.86	0.000	49.39	0.000
48.34	0.000	48.87	0.000	49.40	0.000
48.35	0.000	48.88	0.000	49.41	0.000
48.36	0.000	48.89	0.000	49.42	0.000
48.37	0.000	48.90	0.000	49.43	0.000
48.38	0.000	48.91	0.000	49.44	0.000
48.39	0.000	48.92	0.000	49.45	0.000
48.40	0.000	48.93	0.000	49.46	0.000
48.41	0.000	48.94	0.000	49.47	0.000
48.42	0.000	48.95	0.000	49.48	0.000
48.43	0.000	48.96	0.000	49.49	0.000
48.44	0.000	48.97	0.000	49.50	0.000
48.45	0.000	48.98	0.000	49.51	0.000
48.46	0.000	48.99	0.000	49.52	0.000
48.47	0.000	49.00	0.000	49.53	0.000
48.48	0.000	49.01	0.000	49.54	0.000
48.49	0.000	49.02	0.000	49.55	0.000
48.50	0.000	49.03	0.000	49.56	0.000
48.51	0.000	49.04	0.000	49.57	0.000
48.52	0.000	49.05	0.000	49.58	0.000
48.53	0.000	49.06	0.000	49.59	0.000
48.54	0.000	49.07	0.000	49.60	0.000
48.55	0.000	49.08	0.000		
48.56	0.000	49.09	0.000		
48.57	0.000	49.10	0.000		
48.58	0.000	49.11	0.000		
48.59	0.000	49.12	0.000		
48.60	0.000	49.13	0.000		
48.61	0.000	49.14	0.000		
48.62	0.000	49.15	0.000		

Summary for Pond 215P: CB 5A

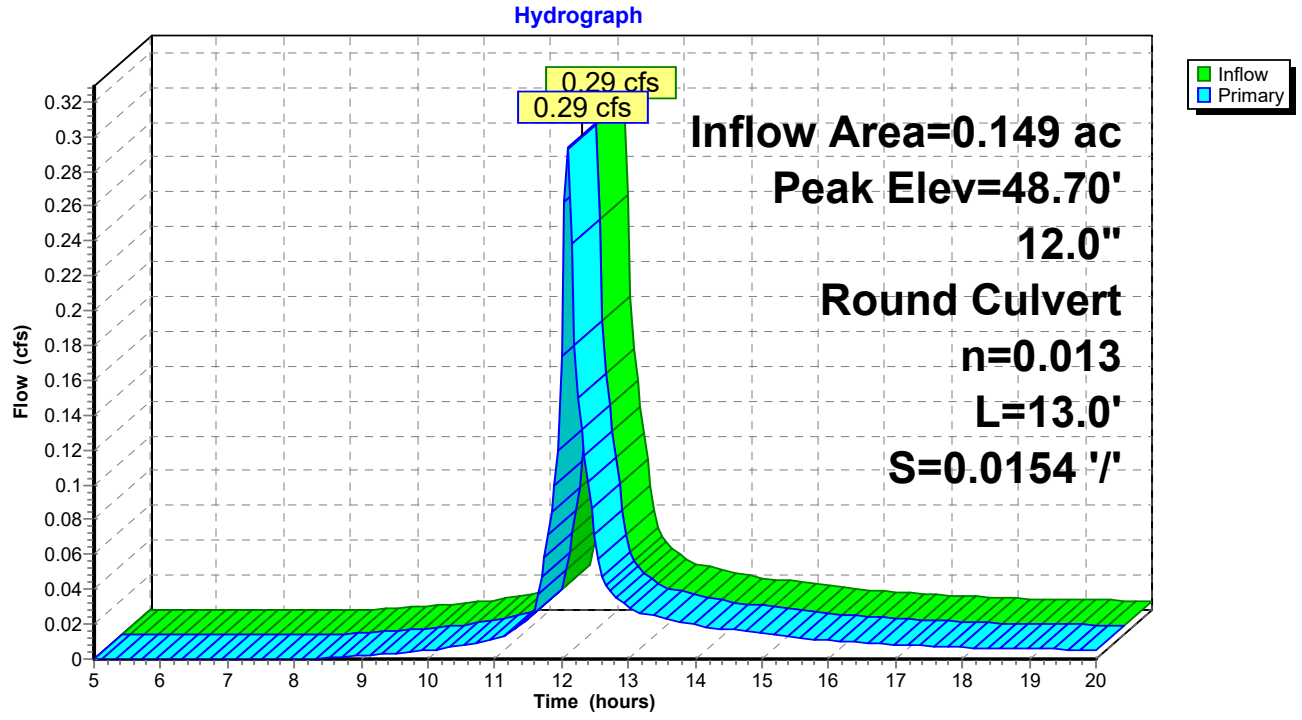
Inflow Area = 0.149 ac, 77.32% Impervious, Inflow Depth > 1.60" for 2-Year event
Inflow = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af
Outflow = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.09 hrs, Volume= 0.020 af
Routed to Pond 214P : DMH 4A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.70' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.40'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.40' / 48.20' S= 0.0154 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.29 cfs @ 12.09 hrs HW=48.70' (Free Discharge)
1=Culvert (Inlet Controls 0.29 cfs @ 1.47 fps)

Pond 215P: CB 5A



Stage-Area-Storage for Pond 215P: CB 5A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.40	**0.000**	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000	49.01	0.000
48.49	0.000	49.02	0.000
48.50	0.000	49.03	0.000
48.51	0.000	49.04	0.000
48.52	0.000	49.05	0.000
48.53	0.000	49.06	0.000
48.54	0.000	49.07	0.000
48.55	0.000	49.08	0.000
48.56	0.000	49.09	0.000
48.57	0.000	49.10	0.000
48.58	0.000	49.11	0.000
48.59	0.000	49.12	0.000
48.60	0.000	49.13	0.000
48.61	0.000	49.14	0.000
48.62	0.000	49.15	0.000
48.63	0.000	49.16	0.000
48.64	0.000	49.17	0.000
48.65	0.000	49.18	0.000
48.66	0.000	49.19	0.000
48.67	0.000	49.20	0.000
48.68	0.000	49.21	0.000
48.69	0.000	49.22	0.000
48.70	0.000	49.23	0.000
48.71	0.000	49.24	0.000
48.72	0.000	49.25	0.000
48.73	0.000	49.26	0.000
48.74	0.000	49.27	0.000
48.75	0.000	49.28	0.000
48.76	0.000	49.29	0.000
48.77	0.000	49.30	0.000
48.78	0.000	49.31	0.000
48.79	0.000	49.32	0.000
48.80	0.000	49.33	0.000
48.81	0.000	49.34	0.000
48.82	0.000	49.35	0.000
48.83	0.000	49.36	0.000
48.84	0.000	49.37	0.000
48.85	0.000	49.38	0.000
48.86	0.000	49.39	0.000
48.87	0.000	49.40	0.000
48.88	0.000		
48.89	0.000		
48.90	0.000		
48.91	0.000		
48.92	0.000		

Summary for Pond 216P: CB 8A

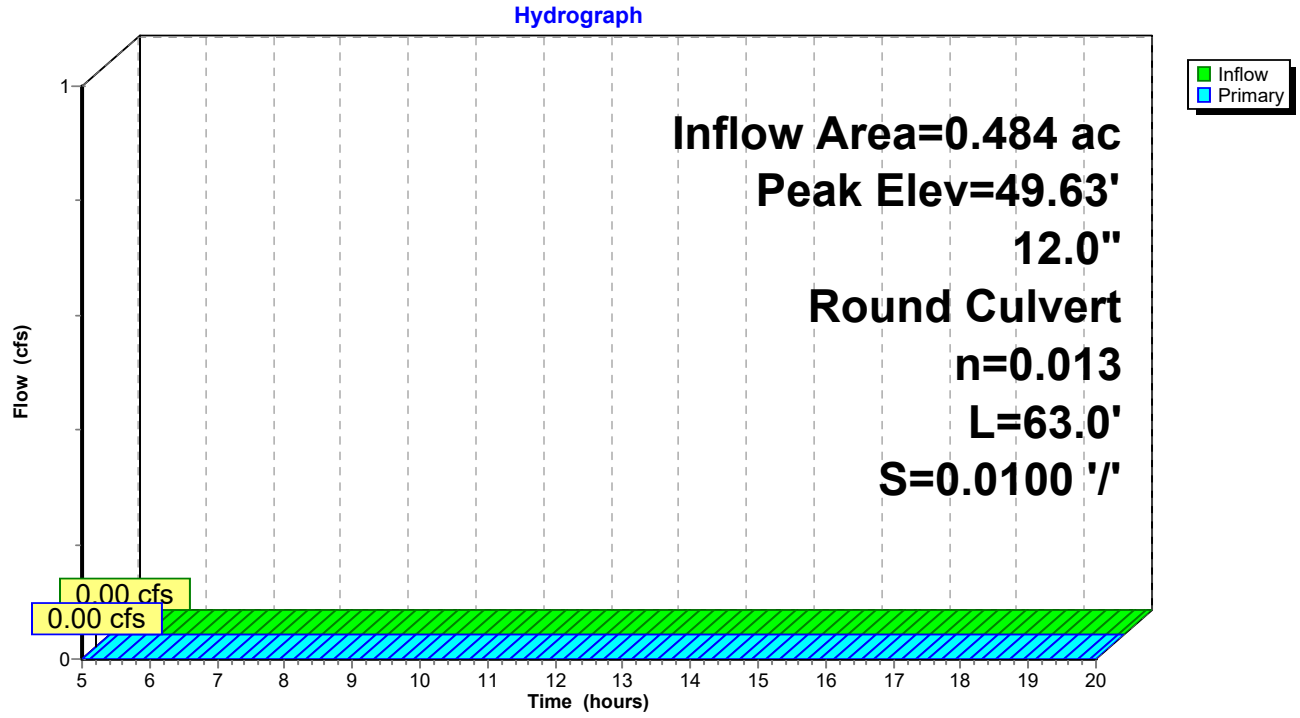
Inflow Area = 0.484 ac, 16.33% Impervious, Inflow Depth = 0.00" for 2-Year event
Inflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.63' @ 5.00 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.63'	**12.0" Round Culvert** L= 63.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.63' / 49.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=49.63' (Free Discharge)
1=Culvert (Controls 0.00 cfs)

Pond 216P: CB 8A



Stage-Area-Storage for Pond 216P: CB 8A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.63	**0.000**	50.16	0.000
49.64	0.000	50.17	0.000
49.65	0.000	50.18	0.000
49.66	0.000	50.19	0.000
49.67	0.000	50.20	0.000
49.68	0.000	50.21	0.000
49.69	0.000	50.22	0.000
49.70	0.000	50.23	0.000
49.71	0.000	50.24	0.000
49.72	0.000	50.25	0.000
49.73	0.000	50.26	0.000
49.74	0.000	50.27	0.000
49.75	0.000	50.28	0.000
49.76	0.000	50.29	0.000
49.77	0.000	50.30	0.000
49.78	0.000	50.31	0.000
49.79	0.000	50.32	0.000
49.80	0.000	50.33	0.000
49.81	0.000	50.34	0.000
49.82	0.000	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000		
50.12	0.000		
50.13	0.000		
50.14	0.000		
50.15	0.000		

Summary for Pond 217P: DMH 8A

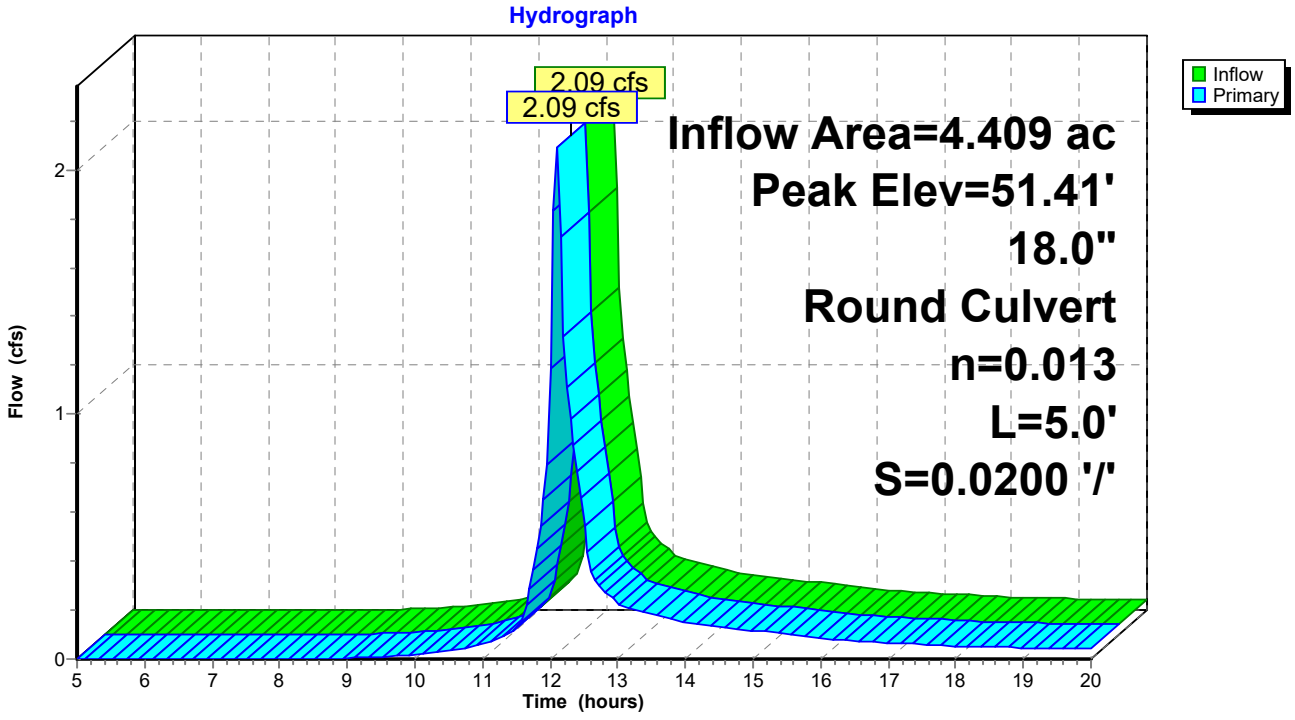
Inflow Area = 4.409 ac, 67.96% Impervious, Inflow Depth > 0.39" for 2-Year event
Inflow = 2.09 cfs @ 12.10 hrs, Volume= 0.142 af
Outflow = 2.09 cfs @ 12.10 hrs, Volume= 0.142 af, Atten= 0%, Lag= 0.0 min
Primary = 2.09 cfs @ 12.10 hrs, Volume= 0.142 af
Routed to Pond 211P : Sub. Inf. 1B

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.41' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.60'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.60' / 50.50' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.06 cfs @ 12.10 hrs HW=51.40' (Free Discharge)
1=Culvert (Barrel Controls 2.06 cfs @ 3.10 fps)

Pond 217P: DMH 8A



Stage-Area-Storage for Pond 217P: DMH 8A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.60	**0.000**	51.13	0.000	51.66	0.000
50.61	0.000	51.14	0.000	51.67	0.000
50.62	0.000	51.15	0.000	51.68	0.000
50.63	0.000	51.16	0.000	51.69	0.000
50.64	0.000	51.17	0.000	51.70	0.000
50.65	0.000	51.18	0.000	51.71	0.000
50.66	0.000	51.19	0.000	51.72	0.000
50.67	0.000	51.20	0.000	51.73	0.000
50.68	0.000	51.21	0.000	51.74	0.000
50.69	0.000	51.22	0.000	51.75	0.000
50.70	0.000	51.23	0.000	51.76	0.000
50.71	0.000	51.24	0.000	51.77	0.000
50.72	0.000	51.25	0.000	51.78	0.000
50.73	0.000	51.26	0.000	51.79	0.000
50.74	0.000	51.27	0.000	51.80	0.000
50.75	0.000	51.28	0.000	51.81	0.000
50.76	0.000	51.29	0.000	51.82	0.000
50.77	0.000	51.30	0.000	51.83	0.000
50.78	0.000	51.31	0.000	51.84	0.000
50.79	0.000	51.32	0.000	51.85	0.000
50.80	0.000	51.33	0.000	51.86	0.000
50.81	0.000	51.34	0.000	51.87	0.000
50.82	0.000	51.35	0.000	51.88	0.000
50.83	0.000	51.36	0.000	51.89	0.000
50.84	0.000	51.37	0.000	51.90	0.000
50.85	0.000	51.38	0.000	51.91	0.000
50.86	0.000	51.39	0.000	51.92	0.000
50.87	0.000	51.40	0.000	51.93	0.000
50.88	0.000	51.41	0.000	51.94	0.000
50.89	0.000	51.42	0.000	51.95	0.000
50.90	0.000	51.43	0.000	51.96	0.000
50.91	0.000	51.44	0.000	51.97	0.000
50.92	0.000	51.45	0.000	51.98	0.000
50.93	0.000	51.46	0.000	51.99	0.000
50.94	0.000	51.47	0.000	52.00	0.000
50.95	0.000	51.48	0.000	52.01	0.000
50.96	0.000	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000	52.05	0.000
51.00	0.000	51.53	0.000	52.06	0.000
51.01	0.000	51.54	0.000	52.07	0.000
51.02	0.000	51.55	0.000	52.08	0.000
51.03	0.000	51.56	0.000	52.09	0.000
51.04	0.000	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000		
51.06	0.000	51.59	0.000		
51.07	0.000	51.60	0.000		
51.08	0.000	51.61	0.000		
51.09	0.000	51.62	0.000		
51.10	0.000	51.63	0.000		
51.11	0.000	51.64	0.000		
51.12	0.000	51.65	0.000		

Summary for Pond 218P: CB A

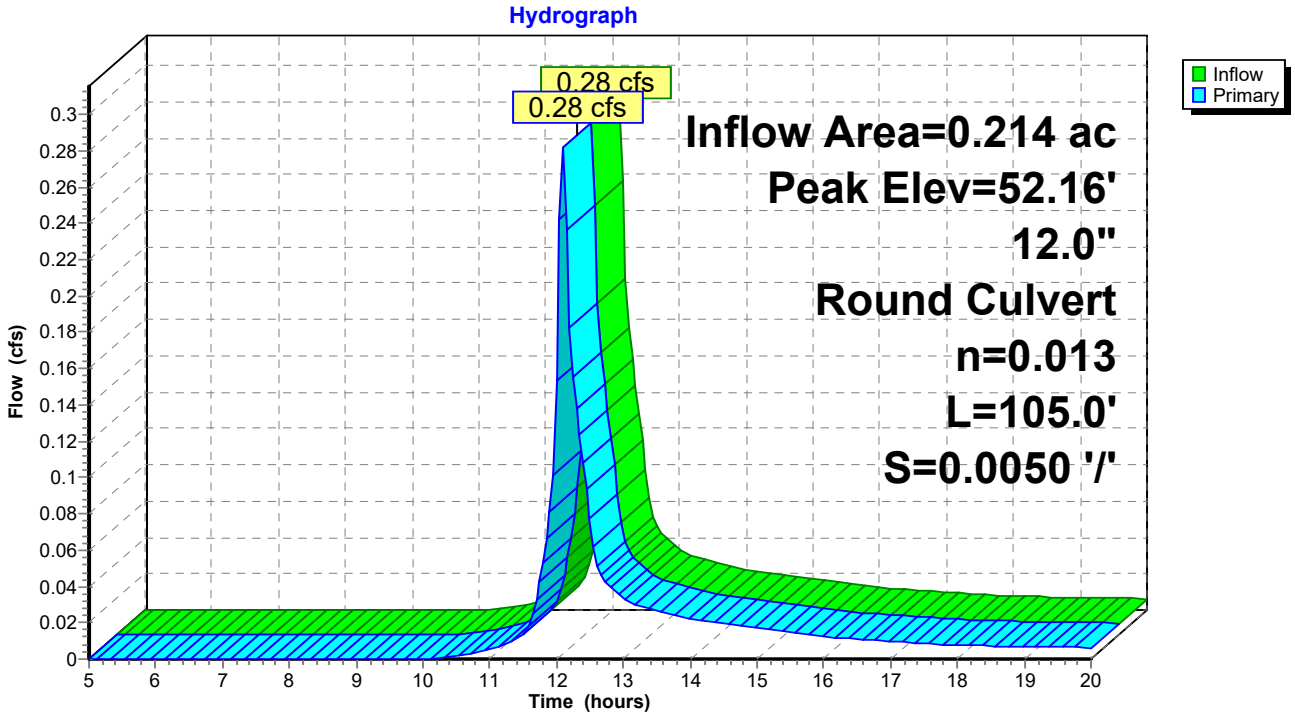
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 1.08" for 2-Year event
Inflow = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af
Outflow = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af
Routed to Pond 219P : DMH A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.16' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.85'	**12.0" Round Culvert** L= 105.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.85' / 51.32' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.10 hrs HW=52.16' (Free Discharge)
1=Culvert (Barrel Controls 0.28 cfs @ 2.05 fps)

Pond 218P: CB A



Stage-Area-Storage for Pond 218P: CB A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.85	**0.000**	52.38	0.000
51.86	0.000	52.39	0.000
51.87	0.000	52.40	0.000
51.88	0.000	52.41	0.000
51.89	0.000	52.42	0.000
51.90	0.000	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000		
52.34	0.000		
52.35	0.000		
52.36	0.000		
52.37	0.000		

Summary for Pond 219P: DMH A

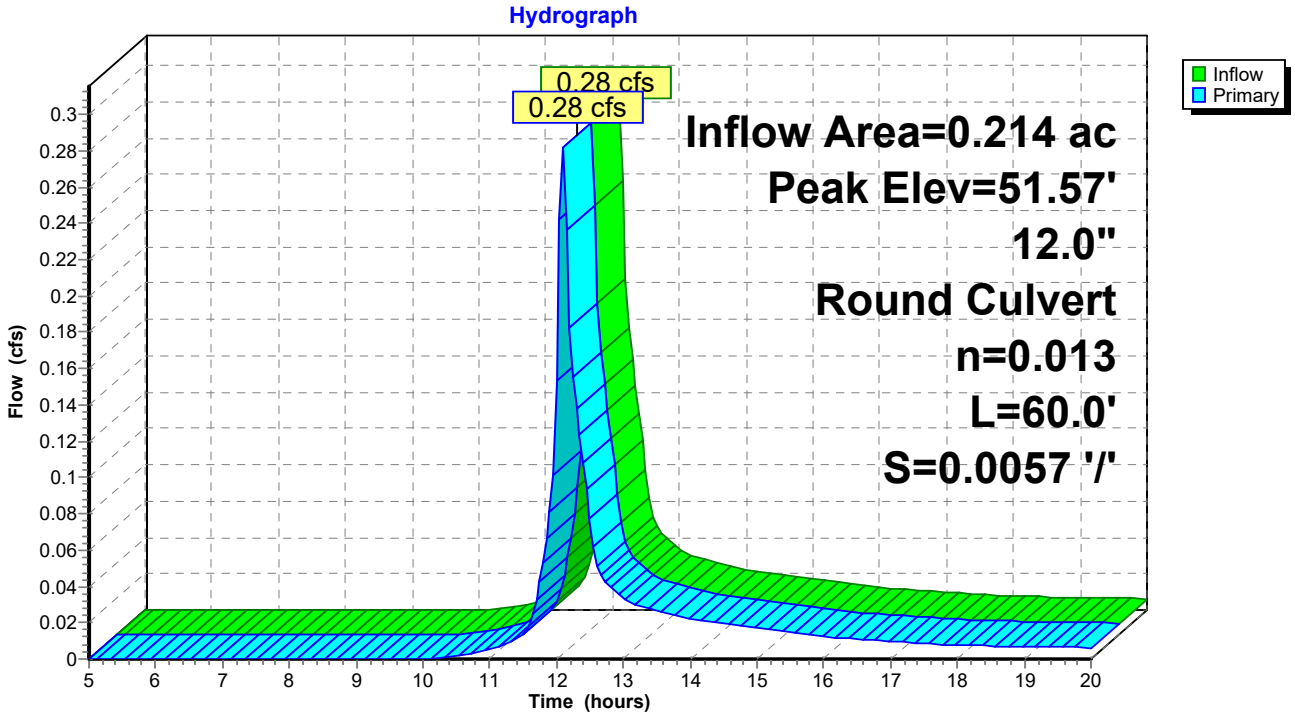
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 1.08" for 2-Year event
Inflow = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af
Outflow = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af
Routed to Pond 220P : DMH B

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.57' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.27'	**12.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.27' / 50.93' S= 0.0057 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.10 hrs HW=51.57' (Free Discharge)
1=Culvert (Barrel Controls 0.28 cfs @ 2.08 fps)

Pond 219P: DMH A



Stage-Area-Storage for Pond 219P: DMH A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.27	**0.000**	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000	52.26	0.000
51.74	0.000	52.27	0.000
51.75	0.000		
51.76	0.000		
51.77	0.000		
51.78	0.000		
51.79	0.000		

Summary for Pond 220P: DMH B

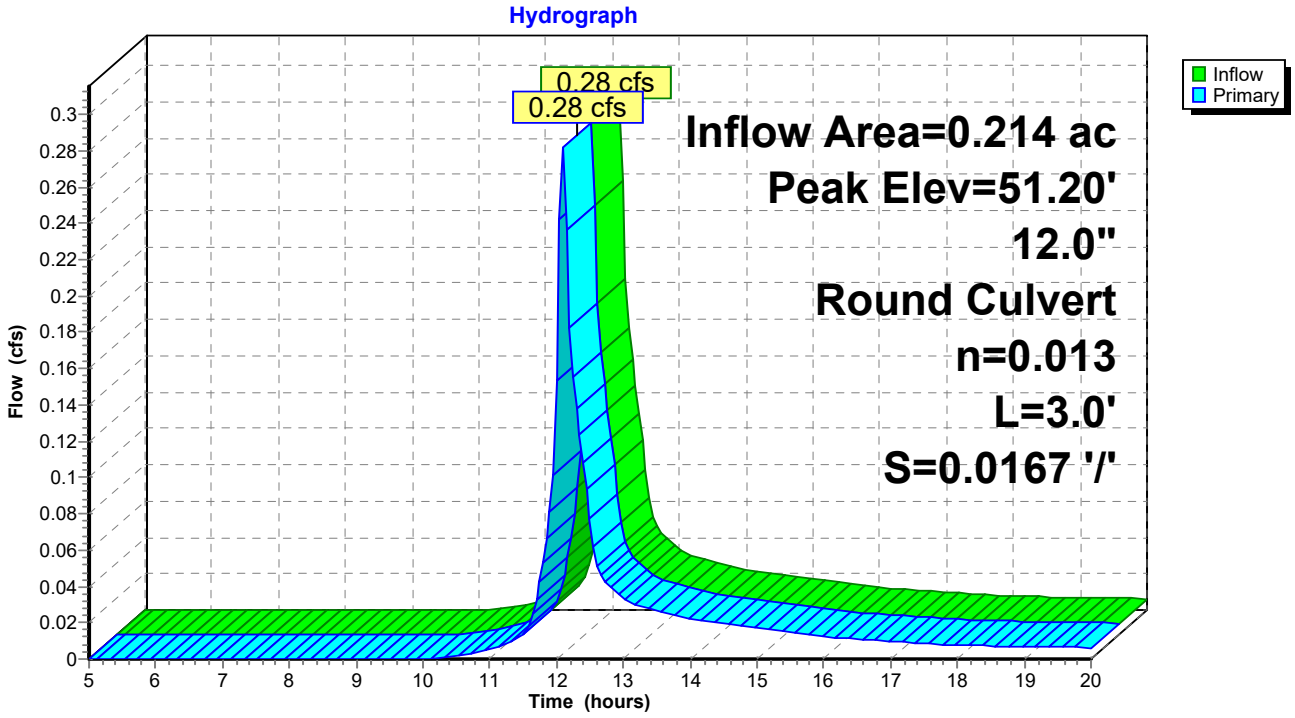
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 1.08" for 2-Year event
Inflow = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af
Outflow = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.28 cfs @ 12.10 hrs, Volume= 0.019 af
Routed to Pond 192P : Sub. Inf. 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.20' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.88'	**12.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.88' / 50.83' S= 0.0167 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.10 hrs HW=51.19' (Free Discharge)
1=Culvert (Barrel Controls 0.28 cfs @ 1.98 fps)

Pond 220P: DMH B



Stage-Area-Storage for Pond 220P: DMH B

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.88	**0.000**	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000		
51.37	0.000		
51.38	0.000		
51.39	0.000		
51.40	0.000		

Summary for Pond 221P: Inf. Basin 6

Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 2.23" for 2-Year event
Inflow = 5.08 cfs @ 12.09 hrs, Volume= 0.360 af
Outflow = 2.41 cfs @ 12.26 hrs, Volume= 0.325 af, Atten= 52%, Lag= 10.5 min
Discarded = 0.15 cfs @ 12.26 hrs, Volume= 0.099 af
Primary = 2.26 cfs @ 12.26 hrs, Volume= 0.226 af
Routed to Pond 195P : Constructed Wetland 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.51' @ 12.26 hrs Surf.Area= 3,989 sf Storage= 5,086 cf

Plug-Flow detention time= 71.3 min calculated for 0.324 af (90% of inflow)
Center-of-Mass det. time= 39.3 min (802.9 - 763.6)

Volume	Invert	Avail.Storage	Storage Description
#1	56.00'	17,627 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

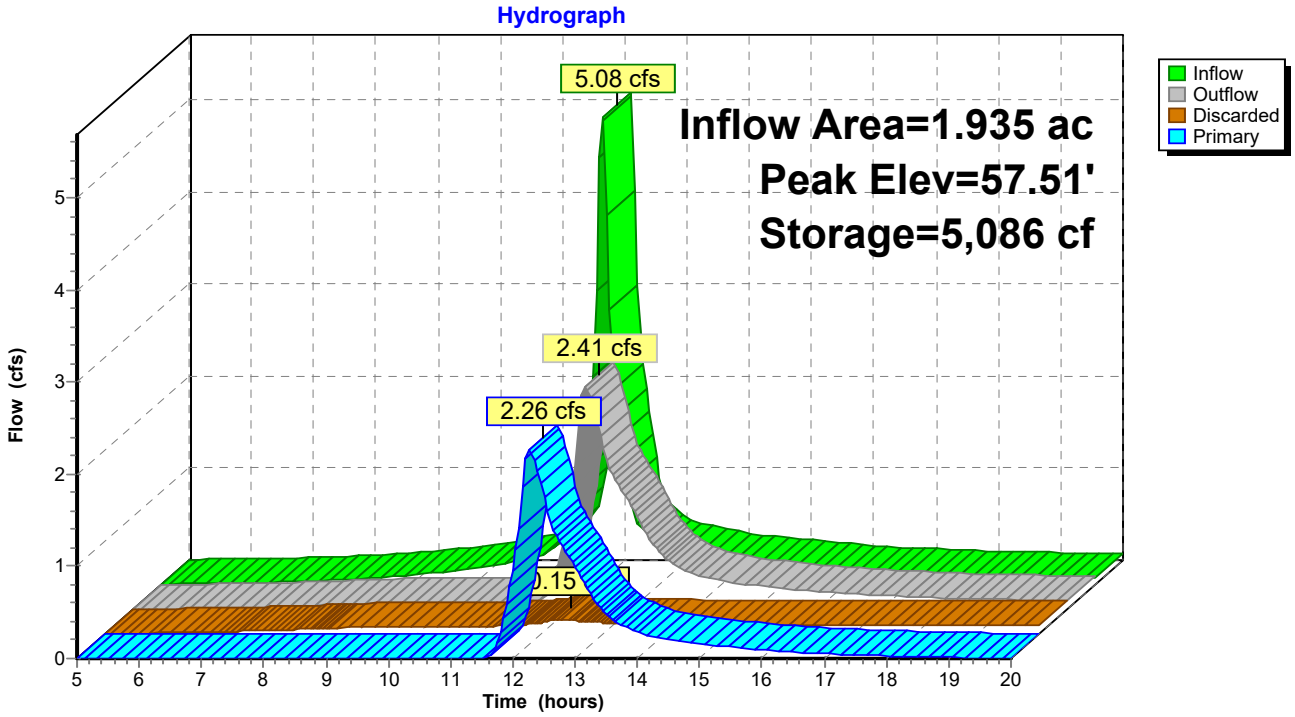
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
56.00	2,718	0	0
57.00	3,594	3,156	3,156
58.00	4,371	3,983	7,139
59.00	5,223	4,797	11,936
60.00	6,159	5,691	17,627

Device	Routing	Invert	Outlet Devices
#1	Discarded	56.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 54.00'
#2	Primary	56.00'	**12.0" Round Culvert** L= 35.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.00' / 53.00' S= 0.0857 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	57.30'	**24.0" W x 24.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.15 cfs @ 12.26 hrs HW=57.51' (Free Discharge)
└**1=Exfiltration** (Controls 0.15 cfs)

Primary OutFlow Max=2.25 cfs @ 12.26 hrs HW=57.51' (Free Discharge)
└**2=Culvert** (Passes 2.25 cfs of 3.00 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 1.65 cfs @ 4.19 fps)
  └**4=Orifice/Grate** (Orifice Controls 0.60 cfs @ 1.46 fps)

Pond 221P: Inf. Basin 6



Stage-Area-Storage for Pond 221P: Inf. Basin 6

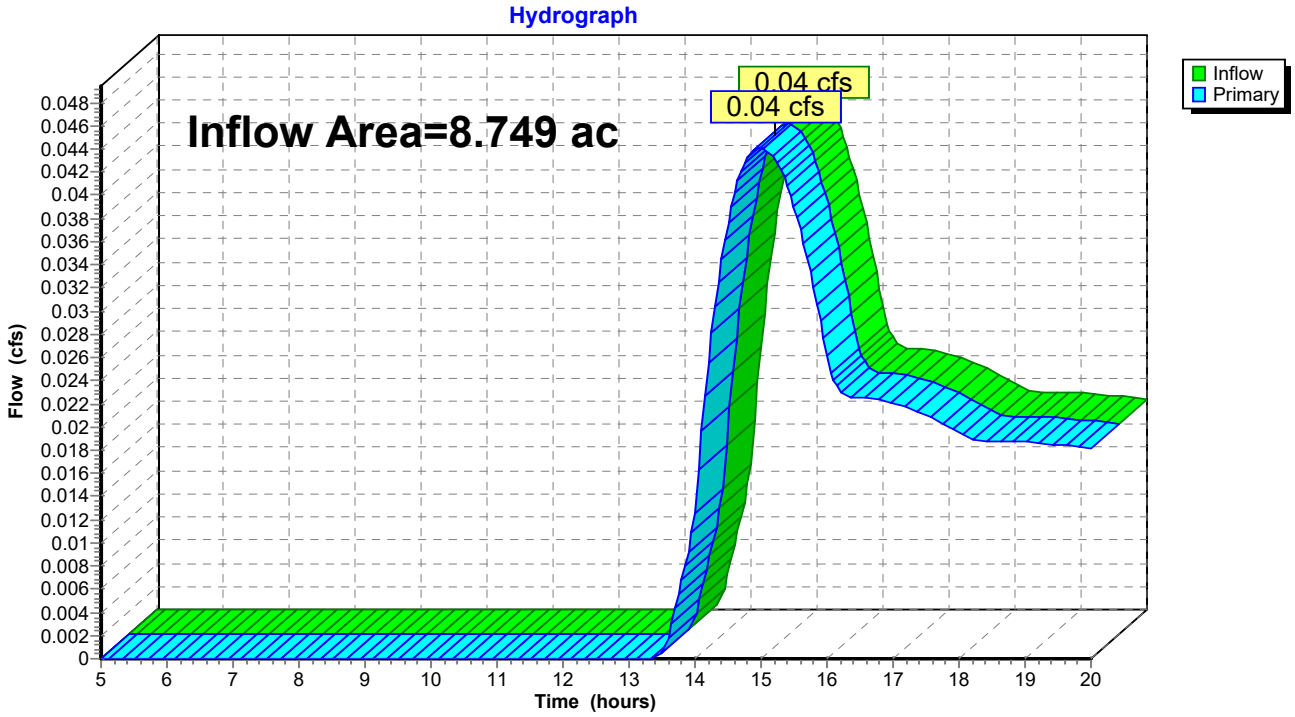
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
56.00	2,718	0
56.05	2,762	137
56.10	2,806	276
56.15	2,849	418
56.20	2,893	561
56.25	2,937	707
56.30	2,981	855
56.35	3,025	1,005
56.40	3,068	1,157
56.45	3,112	1,312
56.50	3,156	1,469
56.55	3,200	1,627
56.60	3,244	1,788
56.65	3,287	1,952
56.70	3,331	2,117
56.75	3,375	2,285
56.80	3,419	2,455
56.85	3,463	2,627
56.90	3,506	2,801
56.95	3,550	2,977
57.00	3,594	3,156
57.05	3,633	3,337
57.10	3,672	3,519
57.15	3,711	3,704
57.20	3,749	3,890
57.25	3,788	4,079
57.30	3,827	4,269
57.35	3,866	4,461
57.40	3,905	4,656
57.45	3,944	4,852
57.50	3,983	5,050
57.55	4,021	5,250
57.60	4,060	5,452
57.65	4,099	5,656
57.70	4,138	5,862
57.75	4,177	6,070
57.80	4,216	6,280
57.85	4,254	6,492
57.90	4,293	6,705
57.95	4,332	6,921
58.00	4,371	7,139
58.05	4,414	7,358
58.10	4,456	7,580
58.15	4,499	7,804
58.20	4,541	8,030
58.25	4,584	8,258
58.30	4,627	8,488
58.35	4,669	8,721
58.40	4,712	8,955
58.45	4,754	9,192
58.50	4,797	9,431
58.55	4,840	9,671
58.60	4,882	9,914
58.65	4,925	10,160
58.70	4,967	10,407
58.75	5,010	10,656
58.80	5,053	10,908
58.85	5,095	11,162
58.90	5,138	11,417
58.95	5,180	11,675
59.00	5,223	11,936
59.05	5,270	12,198
59.10	5,317	12,462
59.15	5,363	12,729
59.20	5,410	12,999
59.25	5,457	13,271
59.30	5,504	13,545
59.35	5,551	13,821
59.40	5,597	14,100
59.45	5,644	14,381
59.50	5,691	14,664
59.55	5,738	14,950
59.60	5,785	15,238
59.65	5,831	15,528
59.70	5,878	15,821
59.75	5,925	16,116
59.80	5,972	16,413
59.85	6,019	16,713
59.90	6,065	17,015
59.95	6,112	17,320
60.00	**6,159**	**17,627**

Summary for Link 59L: DP 1

Inflow Area = 8.749 ac, 31.63% Impervious, Inflow Depth > 0.02" for 2-Year event
Inflow = 0.04 cfs @ 14.99 hrs, Volume= 0.013 af
Primary = 0.04 cfs @ 14.99 hrs, Volume= 0.013 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 59L: DP 1

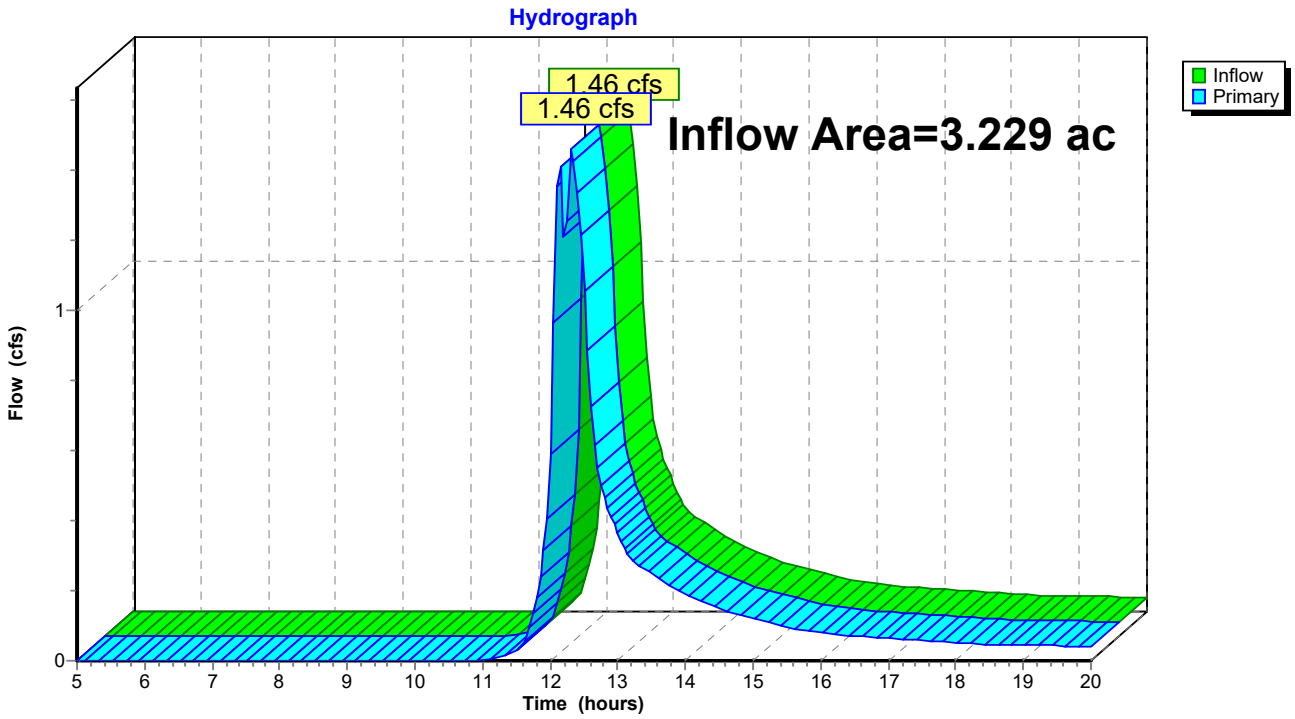


Summary for Link 60L: DP 2

Inflow Area = 3.229 ac, 32.60% Impervious, Inflow Depth > 0.53" for 2-Year event
Inflow = 1.46 cfs @ 12.32 hrs, Volume= 0.143 af
Primary = 1.46 cfs @ 12.32 hrs, Volume= 0.143 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 60L: DP 2

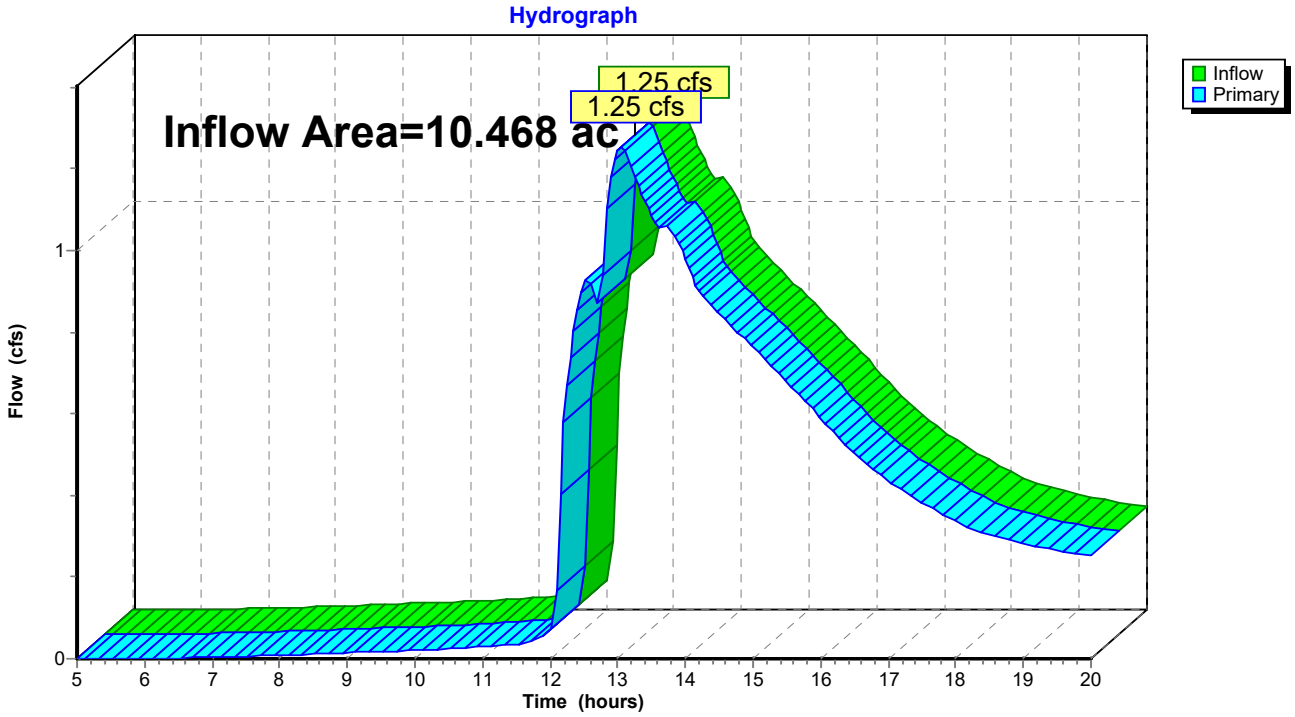


Summary for Link 188L: DP 3

Inflow Area = 10.468 ac, 46.25% Impervious, Inflow Depth > 0.47" for 2-Year event
Inflow = 1.25 cfs @ 13.05 hrs, Volume= 0.414 af
Primary = 1.25 cfs @ 13.05 hrs, Volume= 0.414 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 188L: DP 3

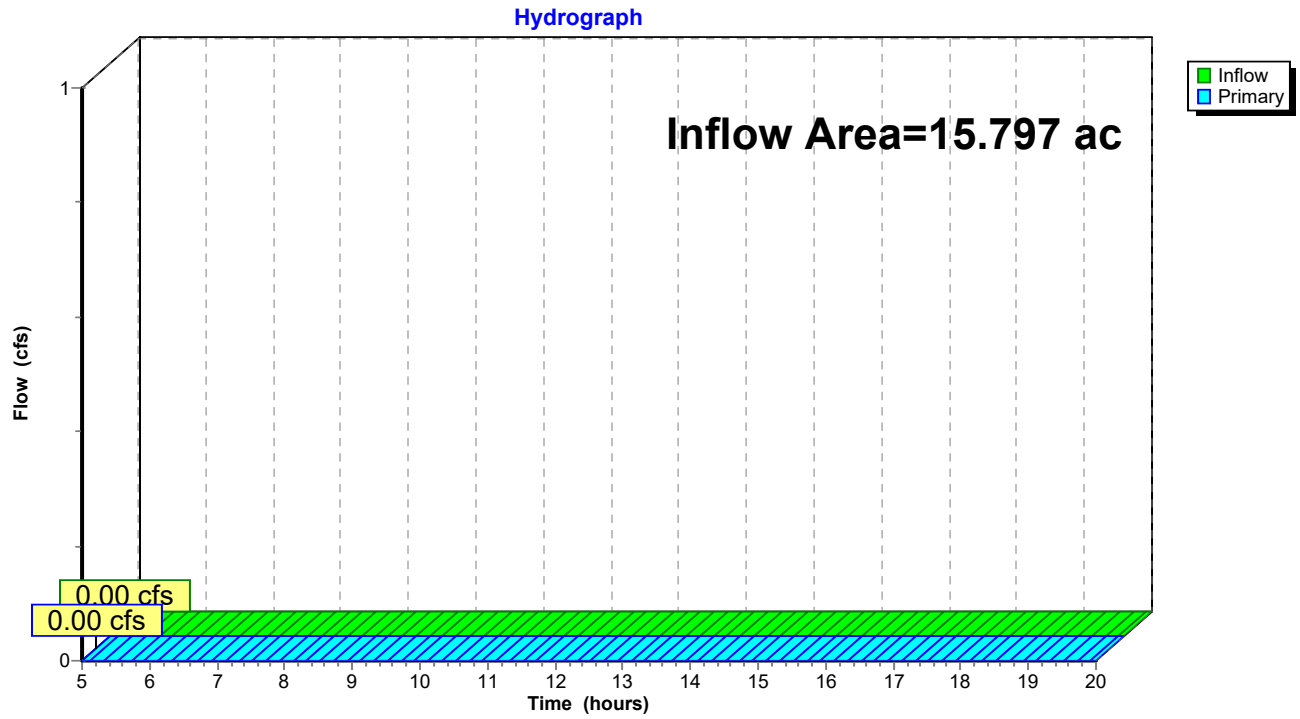


Summary for Link 203L: 3A

Inflow Area = 15.797 ac, 47.23% Impervious, Inflow Depth = 0.00" for 2-Year event
Inflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 203L: 3A



Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: P1A Runoff Area=7,501 sf 96.61% Impervious Runoff Depth>4.19"
Tc=6.0 min CN=97 Runoff=0.79 cfs 0.060 af

Subcatchment 2S: P1B Runoff Area=16,584 sf 74.19% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=1.63 cfs 0.118 af

Subcatchment 3S: P1C Runoff Area=6,087 sf 64.30% Impervious Runoff Depth>3.41"
Tc=6.0 min CN=89 Runoff=0.56 cfs 0.040 af

Subcatchment 4S: P1D Runoff Area=2,767 sf 81.50% Impervious Runoff Depth>3.91"
Tc=6.0 min CN=94 Runoff=0.28 cfs 0.021 af

Subcatchment 5S: P1E Runoff Area=11,538 sf 66.20% Impervious Runoff Depth>3.51"
Tc=6.0 min CN=90 Runoff=1.09 cfs 0.077 af

Subcatchment 6S: P1F Runoff Area=4,817 sf 71.39% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=0.46 cfs 0.033 af

Subcatchment 7S: P1G Runoff Area=5,511 sf 100.00% Impervious Runoff Depth>4.26"
Tc=6.0 min CN=98 Runoff=0.58 cfs 0.045 af

Subcatchment 8S: P1H Runoff Area=13,713 sf 81.38% Impervious Runoff Depth>3.91"
Tc=6.0 min CN=94 Runoff=1.39 cfs 0.102 af

Subcatchment 9S: P1I Runoff Area=3,616 sf 78.43% Impervious Runoff Depth>3.81"
Tc=6.0 min CN=93 Runoff=0.36 cfs 0.026 af

Subcatchment 10S: P1J Runoff Area=1,937 sf 100.00% Impervious Runoff Depth>4.26"
Tc=6.0 min CN=98 Runoff=0.21 cfs 0.016 af

Subcatchment 11S: P1K Runoff Area=1,936 sf 96.85% Impervious Runoff Depth>4.19"
Tc=6.0 min CN=97 Runoff=0.20 cfs 0.016 af

Subcatchment 12S: P1L Runoff Area=9,821 sf 78.85% Impervious Runoff Depth>3.81"
Tc=6.0 min CN=93 Runoff=0.98 cfs 0.072 af

Subcatchment 13S: P1M Runoff Area=8,699 sf 94.53% Impervious Runoff Depth>4.19"
Tc=6.0 min CN=97 Runoff=0.91 cfs 0.070 af

Subcatchment 14S: P1N Runoff Area=14,865 sf 3.94% Impervious Runoff Depth>2.06"
Tc=6.0 min UI Adjusted CN=74 Runoff=0.87 cfs 0.059 af

Subcatchment 39S: P1P Runoff Area=7,939 sf 66.96% Impervious Runoff Depth>3.51"
Tc=6.0 min CN=90 Runoff=0.75 cfs 0.053 af

Subcatchment 40S: P1O Runoff Area=978 sf 100.00% Impervious Runoff Depth>4.26"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment 44S: P1R Runoff Area=15,334 sf 70.58% Impervious Runoff Depth>2.83"
Tc=6.0 min CN=83 Runoff=1.22 cfs 0.083 af

Subcatchment 45S: P1Q Runoff Area=5,247 sf 97.54% Impervious Runoff Depth>4.19"
Tc=6.0 min CN=97 Runoff=0.55 cfs 0.042 af

Subcatchment 50S: P1S Runoff Area=22,872 sf 65.45% Impervious Runoff Depth>2.39"
Tc=6.0 min CN=78 Runoff=1.55 cfs 0.105 af

Subcatchment 51S: P1T Runoff Area=13,963 sf 29.26% Impervious Runoff Depth>0.85"
Tc=6.0 min CN=56 Runoff=0.29 cfs 0.023 af

Subcatchment 57S: (new Subcat) Runoff Area=23,511 sf 5.60% Impervious Runoff Depth>0.13"
Flow Length=87' Tc=13.0 min UI Adjusted CN=39 Runoff=0.01 cfs 0.006 af

Subcatchment 58S: P1AA Runoff Area=217,595 sf 2.56% Impervious Runoff Depth>0.33"
Flow Length=111' Tc=11.7 min UI Adjusted CN=45 Runoff=0.78 cfs 0.136 af

Subcatchment 60S: P2C Runoff Area=6,486 sf 73.97% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=0.64 cfs 0.046 af

Subcatchment 61S: P2D Runoff Area=1,464 sf 87.02% Impervious Runoff Depth>4.00"
Tc=6.0 min CN=95 Runoff=0.15 cfs 0.011 af

Subcatchment 62S: P2J Runoff Area=10,675 sf 72.86% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=1.03 cfs 0.074 af

Subcatchment 63S: P2K Runoff Area=6,698 sf 76.98% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=0.66 cfs 0.048 af

Subcatchment 64S: P3L Runoff Area=2,885 sf 66.55% Impervious Runoff Depth>3.51"
Tc=6.0 min CN=90 Runoff=0.27 cfs 0.019 af

Subcatchment 65S: P3M Runoff Area=5,397 sf 69.69% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=0.52 cfs 0.037 af

Subcatchment 66S: P3N Runoff Area=7,748 sf 72.79% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=0.75 cfs 0.053 af

Subcatchment 67S: P3O Runoff Area=8,254 sf 78.29% Impervious Runoff Depth>3.81"
Tc=6.0 min CN=93 Runoff=0.82 cfs 0.060 af

Subcatchment 68S: P3P Runoff Area=4,070 sf 80.29% Impervious Runoff Depth>3.81"
Tc=6.0 min CN=93 Runoff=0.41 cfs 0.030 af

Subcatchment 69S: P2E Runoff Area=7,088 sf 82.69% Impervious Runoff Depth>3.91"
Tc=6.0 min CN=94 Runoff=0.72 cfs 0.053 af

Subcatchment 70S: P2F Runoff Area=3,932 sf 100.00% Impervious Runoff Depth>4.26"
Tc=6.0 min CN=98 Runoff=0.42 cfs 0.032 af

Subcatchment 71S: P2A Runoff Area=10,978 sf 65.83% Impervious Runoff Depth>3.51"
Tc=6.0 min CN=90 Runoff=1.04 cfs 0.074 af

Subcatchment72S: P2B Runoff Area=7,563 sf 65.05% Impervious Runoff Depth>3.51"
Tc=6.0 min CN=90 Runoff=0.71 cfs 0.051 af

Subcatchment73S: P2G Runoff Area=8,223 sf 71.07% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=0.79 cfs 0.057 af

Subcatchment74S: P2H Runoff Area=4,268 sf 95.31% Impervious Runoff Depth>4.00"
Tc=6.0 min CN=95 Runoff=0.44 cfs 0.033 af

Subcatchment75S: P3Q Runoff Area=10,219 sf 64.37% Impervious Runoff Depth>3.41"
Tc=6.0 min CN=89 Runoff=0.94 cfs 0.067 af

Subcatchment76S: P3R Runoff Area=13,649 sf 76.83% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=1.34 cfs 0.097 af

Subcatchment77S: P3S Runoff Area=7,757 sf 69.60% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=0.75 cfs 0.054 af

Subcatchment78S: P1S Runoff Area=12,630 sf 58.56% Impervious Runoff Depth>3.11"
Tc=6.0 min CN=86 Runoff=1.09 cfs 0.075 af

Subcatchment79S: P1T Runoff Area=11,982 sf 72.42% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=1.15 cfs 0.083 af

Subcatchment80S: P3KK Runoff Area=8,557 sf 76.76% Impervious Runoff Depth>2.92"
Tc=6.0 min CN=84 Runoff=0.70 cfs 0.048 af

Subcatchment81S: P3LL Runoff Area=9,785 sf 79.18% Impervious Runoff Depth>3.11"
Tc=6.0 min CN=86 Runoff=0.84 cfs 0.058 af

Subcatchment82S: P3SS Runoff Area=12,880 sf 67.55% Impervious Runoff Depth>2.48"
Tc=6.0 min CN=79 Runoff=0.90 cfs 0.061 af

Subcatchment83S: P2I Runoff Area=13,847 sf 51.48% Impervious Runoff Depth>2.48"
Tc=6.0 min CN=79 Runoff=0.97 cfs 0.066 af

Subcatchment84S: P2AA Runoff Area=71,125 sf 7.37% Impervious Runoff Depth>1.91"
Flow Length=201' Tc=8.4 min UI Adjusted CN=72 Runoff=3.54 cfs 0.259 af

Subcatchment85S: (new Subcat) Runoff Area=25,650 sf 36.87% Impervious Runoff Depth>2.83"
Tc=6.0 min CN=83 Runoff=2.03 cfs 0.139 af

Subcatchment86S: P3TT Runoff Area=13,926 sf 63.97% Impervious Runoff Depth>2.39"
Tc=6.0 min CN=78 Runoff=0.94 cfs 0.064 af

Subcatchment87S: P3A Runoff Area=2,273 sf 80.20% Impervious Runoff Depth>3.81"
Tc=6.0 min CN=93 Runoff=0.23 cfs 0.017 af

Subcatchment88S: P3B Runoff Area=4,538 sf 76.91% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=0.45 cfs 0.032 af

Subcatchment89S: P3AAA Runoff Area=6,945 sf 74.64% Impervious Runoff Depth>2.83"
Tc=6.0 min CN=83 Runoff=0.55 cfs 0.038 af

Subcatchment90S: P3BBB Runoff Area=9,141 sf 67.61% Impervious Runoff Depth>2.48"
Tc=6.0 min CN=79 Runoff=0.64 cfs 0.043 af

Subcatchment91S: P3GGG Runoff Area=9,122 sf 66.66% Impervious Runoff Depth>2.39"
Tc=6.0 min CN=78 Runoff=0.62 cfs 0.042 af

Subcatchment92S: P3C Runoff Area=6,128 sf 70.69% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=0.59 cfs 0.042 af

Subcatchment93S: P3D Runoff Area=8,893 sf 71.21% Impervious Runoff Depth>3.61"
Tc=6.0 min CN=91 Runoff=0.86 cfs 0.061 af

Subcatchment94S: P3HHH Runoff Area=9,026 sf 76.76% Impervious Runoff Depth>2.92"
Tc=6.0 min CN=84 Runoff=0.74 cfs 0.050 af

Subcatchment95S: P2X Runoff Area=6,460 sf 100.00% Impervious Runoff Depth>4.26"
Tc=6.0 min CN=98 Runoff=0.68 cfs 0.053 af

Subcatchment97S: P3G Runoff Area=16,665 sf 73.17% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=1.64 cfs 0.118 af

Subcatchment98S: P3H Runoff Area=11,218 sf 68.08% Impervious Runoff Depth>3.51"
Tc=6.0 min CN=90 Runoff=1.06 cfs 0.075 af

Subcatchment102S: P3J Runoff Area=14,925 sf 64.21% Impervious Runoff Depth>3.41"
Tc=6.0 min CN=89 Runoff=1.38 cfs 0.097 af

Subcatchment103S: P3I Runoff Area=21,963 sf 74.80% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=2.16 cfs 0.156 af

Subcatchment107S: P3E Runoff Area=17,242 sf 64.26% Impervious Runoff Depth>3.41"
Tc=6.0 min CN=89 Runoff=1.59 cfs 0.112 af

Subcatchment108S: P3F Runoff Area=19,891 sf 64.44% Impervious Runoff Depth>3.41"
Tc=6.0 min CN=89 Runoff=1.84 cfs 0.130 af

Subcatchment109S: P3T Runoff Area=11,178 sf 83.40% Impervious Runoff Depth>3.91"
Tc=6.0 min CN=94 Runoff=1.13 cfs 0.084 af

Subcatchment110S: P3U Runoff Area=14,474 sf 76.35% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=1.42 cfs 0.103 af

Subcatchment111S: P3V Runoff Area=14,345 sf 82.49% Impervious Runoff Depth>3.91"
Tc=6.0 min CN=94 Runoff=1.46 cfs 0.107 af

Subcatchment112S: P3W Runoff Area=8,601 sf 91.64% Impervious Runoff Depth>4.10"
Tc=6.0 min CN=96 Runoff=0.90 cfs 0.067 af

Subcatchment125S: P3EE Runoff Area=23,054 sf 81.18% Impervious Runoff Depth>3.21"
Tc=6.0 min CN=87 Runoff=2.03 cfs 0.142 af

Subcatchment 126S: P3FF Runoff Area=17,312 sf 70.10% Impervious Runoff Depth>2.56"
Tc=6.0 min CN=80 Runoff=1.25 cfs 0.085 af

Subcatchment 127S: P3GG Runoff Area=16,395 sf 53.54% Impervious Runoff Depth>1.83"
Tc=6.0 min CN=71 Runoff=0.85 cfs 0.057 af

Subcatchment 128S: P3HH Runoff Area=15,226 sf 63.87% Impervious Runoff Depth>2.31"
Tc=6.0 min CN=77 Runoff=1.00 cfs 0.067 af

Subcatchment 129S: P3MM Runoff Area=7,841 sf 66.23% Impervious Runoff Depth>2.39"
Tc=6.0 min CN=78 Runoff=0.53 cfs 0.036 af

Subcatchment 130S: P3NN Runoff Area=6,295 sf 72.58% Impervious Runoff Depth>2.74"
Tc=6.0 min CN=82 Runoff=0.48 cfs 0.033 af

Subcatchment 136S: P3II Runoff Area=10,900 sf 80.29% Impervious Runoff Depth>3.11"
Tc=6.0 min CN=86 Runoff=0.94 cfs 0.065 af

Subcatchment 138S: P3JJ Runoff Area=14,214 sf 6.96% Impervious Runoff Depth>0.19"
Flow Length=50' Slope=0.0100 '/' Tc=7.5 min UI Adjusted CN=41 Runoff=0.02 cfs 0.005 af

Subcatchment 140S: P3OO Runoff Area=17,829 sf 65.98% Impervious Runoff Depth>2.39"
Tc=6.0 min CN=78 Runoff=1.21 cfs 0.082 af

Subcatchment 141S: P3PP Runoff Area=25,131 sf 66.17% Impervious Runoff Depth>2.39"
Tc=6.0 min CN=78 Runoff=1.70 cfs 0.115 af

Subcatchment 142S: P3UU Runoff Area=3,331 sf 72.53% Impervious Runoff Depth>2.74"
Tc=6.0 min CN=82 Runoff=0.26 cfs 0.017 af

Subcatchment 143S: P3VV Runoff Area=3,461 sf 73.82% Impervious Runoff Depth>2.83"
Tc=6.0 min CN=83 Runoff=0.27 cfs 0.019 af

Subcatchment 147S: P3QQ Runoff Area=8,544 sf 80.21% Impervious Runoff Depth>3.11"
Tc=6.0 min CN=86 Runoff=0.74 cfs 0.051 af

Subcatchment 149S: P3RR Runoff Area=7,953 sf 10.10% Impervious Runoff Depth>0.22"
Flow Length=50' Slope=0.0100 '/' Tc=7.5 min UI Adjusted CN=42 Runoff=0.01 cfs 0.003 af

Subcatchment 151S: P3ZZ Runoff Area=6,359 sf 79.60% Impervious Runoff Depth>3.11"
Tc=6.0 min CN=86 Runoff=0.55 cfs 0.038 af

Subcatchment 152S: P3YY Runoff Area=5,089 sf 70.43% Impervious Runoff Depth>2.65"
Tc=6.0 min CN=81 Runoff=0.38 cfs 0.026 af

Subcatchment 153S: P3WW Runoff Area=9,574 sf 74.64% Impervious Runoff Depth>2.83"
Tc=6.0 min CN=83 Runoff=0.76 cfs 0.052 af

Subcatchment 154S: P3XX Runoff Area=4,702 sf 90.07% Impervious Runoff Depth>3.71"
Tc=6.0 min CN=92 Runoff=0.46 cfs 0.033 af

Subcatchment 155S: P3CCC Runoff Area=13,537 sf 63.37% Impervious Runoff Depth>2.22"
Tc=6.0 min CN=76 Runoff=0.85 cfs 0.058 af

Subcatchment 156S: P3DDD Runoff Area=17,001 sf 63.16% Impervious Runoff Depth>2.22"
Tc=6.0 min CN=76 Runoff=1.07 cfs 0.072 af

Subcatchment 165S: P3FFF Runoff Area=10,066 sf 30.05% Impervious Runoff Depth>0.91"
Tc=6.0 min CN=57 Runoff=0.22 cfs 0.017 af

Subcatchment 166S: P3EEE Runoff Area=9,100 sf 65.78% Impervious Runoff Depth>2.39"
Tc=6.0 min CN=78 Runoff=0.62 cfs 0.042 af

Subcatchment 170S: P3JJJ Runoff Area=13,803 sf 75.85% Impervious Runoff Depth>2.92"
Tc=6.0 min CN=84 Runoff=1.13 cfs 0.077 af

Subcatchment 171S: P3III Runoff Area=5,653 sf 71.18% Impervious Runoff Depth>2.65"
Tc=6.0 min CN=81 Runoff=0.42 cfs 0.029 af

Subcatchment 175S: P3KKK Runoff Area=13,904 sf 64.43% Impervious Runoff Depth>2.31"
Tc=6.0 min CN=77 Runoff=0.91 cfs 0.061 af

Subcatchment 176S: P3LLL Runoff Area=6,640 sf 60.77% Impervious Runoff Depth>2.14"
Tc=6.0 min CN=75 Runoff=0.40 cfs 0.027 af

Subcatchment 182S: P3MMM Runoff Area=5,111 sf 57.03% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=73 Runoff=0.29 cfs 0.019 af

Subcatchment 183S: P3NNN Runoff Area=9,871 sf 61.54% Impervious Runoff Depth>2.14"
Tc=6.0 min CN=75 Runoff=0.60 cfs 0.040 af

Subcatchment 184S: P3OOO Runoff Area=8,647 sf 57.72% Impervious Runoff Depth>1.99"
Tc=6.0 min CN=73 Runoff=0.49 cfs 0.033 af

Subcatchment 185S: P3PPP Runoff Area=4,572 sf 75.17% Impervious Runoff Depth>2.83"
Tc=6.0 min CN=83 Runoff=0.36 cfs 0.025 af

Subcatchment 186S: P3QQQ Runoff Area=6,874 sf 54.66% Impervious Runoff Depth>1.76"
Tc=6.0 min CN=70 Runoff=0.34 cfs 0.023 af

Subcatchment 187S: P3RRR Runoff Area=12,294 sf 69.07% Impervious Runoff Depth>2.56"
Tc=6.0 min CN=80 Runoff=0.89 cfs 0.060 af

Subcatchment 189S: (new Subcat) Runoff Area=179,843 sf 4.59% Impervious Runoff Depth>0.68"
Flow Length=322' Tc=20.8 min UI Adjusted CN=53 Runoff=1.82 cfs 0.236 af

Subcatchment 190S: (new Subcat) Runoff Area=12,078 sf 85.87% Impervious Runoff Depth>3.51"
Tc=6.0 min CN=90 Runoff=1.14 cfs 0.081 af

Subcatchment 191S: P3SSS Runoff Area=7,482 sf 31.70% Impervious Runoff Depth>0.69"
Tc=6.0 min CN=53 Runoff=0.11 cfs 0.010 af

Subcatchment 192S: P3TTT Runoff Area=4,075 sf 74.38% Impervious Runoff Depth>2.83"
Tc=6.0 min CN=83 Runoff=0.32 cfs 0.022 af

Subcatchment 195S: P3UUU Runoff Area=14,624 sf 80.22% Impervious Runoff Depth>3.11"
Tc=6.0 min CN=86 Runoff=1.26 cfs 0.087 af

Subcatchment 198S: P3VVV Runoff Area=12,434 sf 0.00% Impervious Runoff Depth>0.13"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.003 af

Subcatchment 202S: (new Subcat) Runoff Area=26,038 sf 46.07% Impervious Runoff Depth>1.47"
Tc=6.0 min CN=66 Runoff=1.06 cfs 0.073 af

Subcatchment 204S: (new Subcat) Runoff Area=149,084 sf 3.60% Impervious Runoff Depth>0.06"
Flow Length=135' Tc=8.1 min UI Adjusted CN=36 Runoff=0.04 cfs 0.017 af

Subcatchment 205S: (new Subcat) Runoff Area=9,322 sf 64.54% Impervious Runoff Depth>2.31"
Tc=6.0 min CN=77 Runoff=0.61 cfs 0.041 af

Subcatchment 206S: (new Subcat) Runoff Area=15,098 sf 0.00% Impervious Runoff Depth>0.13"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.004 af

Subcatchment 207S: (new Subcat) Runoff Area=21,068 sf 16.33% Impervious Runoff Depth>0.13"
Flow Length=156' Tc=15.7 min UI Adjusted CN=39 Runoff=0.01 cfs 0.005 af

Subcatchment 216S: (new Subcat) Runoff Area=6,486 sf 77.32% Impervious Runoff Depth>3.02"
Tc=6.0 min CN=85 Runoff=0.54 cfs 0.037 af

Pond 15P: Inf. Basin 5 Peak Elev=59.53' Storage=18,210 cf Inflow=10.32 cfs 0.754 af
Discarded=0.28 cfs 0.243 af Primary=0.66 cfs 0.229 af Outflow=0.94 cfs 0.471 af

Pond 16P: CB 58 Peak Elev=62.65' Inflow=0.79 cfs 0.060 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.79 cfs 0.060 af

Pond 17P: CB 59 Peak Elev=62.97' Inflow=1.63 cfs 0.118 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=1.63 cfs 0.118 af

Pond 18P: CB 63 Peak Elev=64.34' Inflow=0.56 cfs 0.040 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0077 '/' Outflow=0.56 cfs 0.040 af

Pond 19P: CB 62 Peak Elev=64.19' Inflow=0.28 cfs 0.021 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.28 cfs 0.021 af

Pond 20P: DMH 43 Peak Elev=63.05' Inflow=2.42 cfs 0.178 af
12.0" Round Culvert n=0.013 L=66.0' S=0.0050 '/' Outflow=2.42 cfs 0.178 af

Pond 21P: DMH 42 Peak Elev=62.62' Inflow=2.42 cfs 0.178 af
12.0" Round Culvert n=0.013 L=71.0' S=0.0052 '/' Outflow=2.42 cfs 0.178 af

Pond 22P: CB 56 Peak Elev=61.66' Inflow=0.58 cfs 0.045 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.58 cfs 0.045 af

Pond 23P: CB 57 Peak Elev=61.97' Inflow=1.39 cfs 0.102 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=1.39 cfs 0.102 af

Pond 24P: DMH 41 Peak Elev=62.19' Inflow=4.39 cfs 0.325 af
18.0" Round Culvert n=0.013 L=55.0' S=0.0322 '/' Outflow=4.39 cfs 0.325 af

Pond 25P: DMH 45 Peak Elev=64.22' Inflow=0.84 cfs 0.060 af
12.0" Round Culvert n=0.013 L=148.0' S=0.0100 '/' Outflow=0.84 cfs 0.060 af

Pond 26P: CB 61 Peak Elev=62.98' Inflow=1.09 cfs 0.077 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=1.09 cfs 0.077 af

Pond 27P: CB 60 Peak Elev=62.71' Inflow=0.46 cfs 0.033 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0077 '/' Outflow=0.46 cfs 0.033 af

Pond 28P: DMH 44 Peak Elev=63.24' Inflow=2.40 cfs 0.171 af
12.0" Round Culvert n=0.013 L=85.0' S=0.0338 '/' Outflow=2.40 cfs 0.171 af

Pond 29P: DMH 40 Peak Elev=60.51' Inflow=7.15 cfs 0.523 af
24.0" Round Culvert n=0.013 L=25.0' S=0.0120 '/' Outflow=7.15 cfs 0.523 af

Pond 30P: CB 55 Peak Elev=60.57' Inflow=0.36 cfs 0.026 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0667 '/' Outflow=0.36 cfs 0.026 af

Pond 31P: CB 51 Peak Elev=60.56' Inflow=0.20 cfs 0.016 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.20 cfs 0.016 af

Pond 32P: CB 52 Peak Elev=60.93' Inflow=0.98 cfs 0.072 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.98 cfs 0.072 af

Pond 33P: CB 53 Peak Elev=61.01' Inflow=0.21 cfs 0.016 af
12.0" Round Culvert n=0.013 L=9.0' S=0.1111 '/' Outflow=0.21 cfs 0.016 af

Pond 34P: DMH 36 Peak Elev=60.79' Inflow=1.18 cfs 0.087 af
12.0" Round Culvert n=0.013 L=67.0' S=0.0051 '/' Outflow=1.18 cfs 0.087 af

Pond 35P: DMH 37 Peak Elev=60.43' Inflow=1.39 cfs 0.103 af
12.0" Round Culvert n=0.013 L=52.0' S=0.0050 '/' Outflow=1.39 cfs 0.103 af

Pond 36P: CB 54 Peak Elev=60.76' Inflow=0.91 cfs 0.070 af
12.0" Round Culvert n=0.013 L=7.0' S=0.1143 '/' Outflow=0.91 cfs 0.070 af

Pond 37P: DMH 38 Peak Elev=60.39' Inflow=2.30 cfs 0.173 af
12.0" Round Culvert n=0.013 L=94.0' S=0.0050 '/' Outflow=2.30 cfs 0.173 af

Pond 38P: DMH 39 Peak Elev=60.37' Inflow=9.45 cfs 0.695 af
24.0" Round Culvert n=0.013 L=68.0' S=0.0254 '/' Outflow=9.45 cfs 0.695 af

Pond 41P: CB 49 Peak Elev=58.67' Inflow=0.10 cfs 0.008 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.10 cfs 0.008 af

Pond 42P: CB 50 Peak Elev=59.03' Inflow=0.75 cfs 0.053 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.75 cfs 0.053 af

Pond 43P: DMH 35 Peak Elev=58.84' Inflow=0.85 cfs 0.061 af
12.0" Round Culvert n=0.013 L=87.0' S=0.0414 '/' Outflow=0.85 cfs 0.061 af

Pond 46P: CB 48 Peak Elev=55.51' Inflow=1.22 cfs 0.083 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.22 cfs 0.083 af

Pond 47P: CB 47 Peak Elev=55.25' Inflow=0.55 cfs 0.042 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.55 cfs 0.042 af

Pond 48P: DMH 33 Peak Elev=55.49' Inflow=1.77 cfs 0.125 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=1.77 cfs 0.125 af

Pond 49P: Sub. Inf. 4 Peak Elev=56.60' Storage=0.141 af Inflow=4.86 cfs 0.344 af
Discarded=0.13 cfs 0.109 af Primary=1.65 cfs 0.129 af Outflow=1.78 cfs 0.238 af

Pond 52P: CB 20 Peak Elev=51.40' Inflow=0.29 cfs 0.023 af
12.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Outflow=0.29 cfs 0.023 af

Pond 53P: CB 21 Peak Elev=51.90' Inflow=1.55 cfs 0.105 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0083 '/' Outflow=1.55 cfs 0.105 af

Pond 54P: DMH 15 Peak Elev=51.70' Inflow=1.83 cfs 0.127 af
12.0" Round Culvert n=0.013 L=104.0' S=0.0050 '/' Outflow=1.83 cfs 0.127 af

Pond 55P: DMH 16 Peak Elev=51.12' Inflow=1.83 cfs 0.127 af
12.0" Round Culvert n=0.013 L=35.0' S=0.0051 '/' Outflow=1.83 cfs 0.127 af

Pond 56P: Inf. Basin 4 Peak Elev=50.97' Storage=1,567 cf Inflow=1.83 cfs 0.133 af
Discarded=0.48 cfs 0.133 af Secondary=0.00 cfs 0.000 af Outflow=0.48 cfs 0.133 af

Pond 60P: Sub. Det. 1 Peak Elev=62.04' Storage=0.132 af Inflow=8.25 cfs 0.588 af
Outflow=7.23 cfs 0.501 af

Pond 61P: CB 8 Peak Elev=50.70' Inflow=0.29 cfs 0.019 af
12.0" Round Culvert n=0.013 L=28.0' S=0.0500 '/' Outflow=0.29 cfs 0.019 af

Pond 62P: CB 66 Peak Elev=60.96' Inflow=0.64 cfs 0.046 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=0.64 cfs 0.046 af

Pond 63P: CB 67 Peak Elev=60.81' Inflow=0.15 cfs 0.011 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0214 '/' Outflow=0.15 cfs 0.011 af

Pond 64P: DMH 47 Peak Elev=61.32' Inflow=2.54 cfs 0.182 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=2.54 cfs 0.182 af

Pond 65P: DMH 49 Peak Elev=59.34' Inflow=1.14 cfs 0.085 af
12.0" Round Culvert n=0.013 L=59.0' S=0.0119 '/' Outflow=1.14 cfs 0.085 af

Pond 66P: CB 68 Peak Elev=59.42' Inflow=0.72 cfs 0.053 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.72 cfs 0.053 af

Pond 67P: CB 69 Peak Elev=59.28' Inflow=0.42 cfs 0.032 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.42 cfs 0.032 af

Pond 68P: Sub. Inf. 5 Peak Elev=61.13' Storage=0.045 af Inflow=2.54 cfs 0.182 af
Discarded=0.07 cfs 0.061 af Primary=2.44 cfs 0.086 af Outflow=2.51 cfs 0.147 af

Pond 69P: CB 72 Peak Elev=62.10' Inflow=1.03 cfs 0.074 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0600 '/' Outflow=1.03 cfs 0.074 af

Pond 70P: CB 73 Peak Elev=61.97' Inflow=0.66 cfs 0.048 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0600 '/' Outflow=0.66 cfs 0.048 af

Pond 71P: DMH 54 Peak Elev=61.66' Inflow=1.69 cfs 0.121 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=1.69 cfs 0.121 af

Pond 72P: Sub. Inf. 7 Peak Elev=62.10' Storage=0.037 af Inflow=1.69 cfs 0.121 af
Discarded=0.07 cfs 0.053 af Primary=1.12 cfs 0.048 af Outflow=1.19 cfs 0.101 af

Pond 73P: CB 64 Peak Elev=61.72' Inflow=1.04 cfs 0.074 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=1.04 cfs 0.074 af

Pond 74P: CB 65 Peak Elev=61.59' Inflow=0.71 cfs 0.051 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0133 '/' Outflow=0.71 cfs 0.051 af

Pond 75P: DMH 46 Peak Elev=61.66' Inflow=1.75 cfs 0.124 af
12.0" Round Culvert n=0.013 L=118.0' S=0.0051 '/' Outflow=1.75 cfs 0.124 af

Pond 76P: CB 70 Peak Elev=58.72' Inflow=0.79 cfs 0.057 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=0.79 cfs 0.057 af

Pond 77P: CB 71 Peak Elev=58.57' Inflow=0.44 cfs 0.033 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=0.44 cfs 0.033 af

Pond 78P: DMH 50 Peak Elev=58.75' Inflow=2.37 cfs 0.174 af
18.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=2.37 cfs 0.174 af

Pond 79P: DMH 51 Peak Elev=58.57' Inflow=3.05 cfs 0.227 af
18.0" Round Culvert n=0.013 L=148.0' S=0.0047 '/' Outflow=3.05 cfs 0.227 af

Pond 80P: DMH 52 Peak Elev=57.78' Inflow=3.05 cfs 0.227 af
18.0" Round Culvert n=0.013 L=104.0' S=0.0052 '/' Outflow=3.05 cfs 0.227 af

Pond 81P: DMH 53 Peak Elev=57.11' Inflow=3.05 cfs 0.227 af
18.0" Round Culvert n=0.013 L=60.0' S=0.0195 '/' Outflow=3.05 cfs 0.227 af

Pond 82P: Constructed Wetland 2 Peak Elev=57.16' Storage=5,857 cf Inflow=4.02 cfs 0.293 af
Outflow=1.23 cfs 0.229 af

Pond 83P: CB 86 Peak Elev=58.50' Inflow=0.75 cfs 0.053 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0227 '/' Outflow=0.75 cfs 0.053 af

Pond 84P: CB 87 Peak Elev=58.53' Inflow=0.82 cfs 0.060 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0227 '/' Outflow=0.82 cfs 0.060 af

Pond 85P: DMH 65 Peak Elev=58.49' Inflow=1.57 cfs 0.114 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=1.57 cfs 0.114 af

Pond 86P: Sub. Inf. 6 Peak Elev=62.96' Storage=0.049 af Inflow=2.03 cfs 0.139 af
Discarded=0.07 cfs 0.056 af Primary=0.86 cfs 0.052 af Outflow=0.94 cfs 0.108 af

Pond 87P: CB 85 Peak Elev=62.43' Inflow=0.52 cfs 0.037 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.52 cfs 0.037 af

Pond 88P: CB 84 Peak Elev=62.30' Inflow=0.27 cfs 0.019 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.27 cfs 0.019 af

Pond 89P: CB 74 Peak Elev=64.77' Inflow=0.23 cfs 0.017 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.23 cfs 0.017 af

Pond 90P: CB 75 Peak Elev=64.90' Inflow=0.45 cfs 0.032 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.45 cfs 0.032 af

Pond 91P: DMH 55 Peak Elev=64.77' Inflow=0.67 cfs 0.049 af
12.0" Round Culvert n=0.013 L=108.0' S=0.0204 '/' Outflow=0.67 cfs 0.049 af

Pond 92P: DMH 63 Peak Elev=62.32' Inflow=0.79 cfs 0.057 af
12.0" Round Culvert n=0.013 L=120.0' S=0.0292 '/' Outflow=0.79 cfs 0.057 af

Pond 93P: DMH 62 Peak Elev=59.38' Inflow=4.33 cfs 0.310 af
18.0" Round Culvert n=0.013 L=84.0' S=0.0065 '/' Outflow=4.33 cfs 0.310 af

Pond 94P: CB 77 Peak Elev=63.23' Inflow=0.86 cfs 0.061 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.86 cfs 0.061 af

Pond 95P: CB 76 Peak Elev=63.12' Inflow=0.59 cfs 0.042 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.59 cfs 0.042 af

Pond 96P: DMH 56 Peak Elev=63.27' Inflow=4.82 cfs 0.346 af
18.0" Round Culvert n=0.013 L=134.0' S=0.0067 '/' Outflow=4.82 cfs 0.346 af

Pond 97P: Sub. Det. 2 Peak Elev=61.55' Storage=0.305 af Inflow=5.90 cfs 0.423 af
Outflow=0.26 cfs 0.157 af

Pond 98P: DMH 61 Peak Elev=60.83' Inflow=3.54 cfs 0.253 af
18.0" Round Culvert n=0.013 L=136.0' S=0.0110 '/' Outflow=3.54 cfs 0.253 af

Pond 99P: CB 81 Peak Elev=63.65' Inflow=1.06 cfs 0.075 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.06 cfs 0.075 af

Pond 100P: CB 80 Peak Elev=63.85' Inflow=1.64 cfs 0.118 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.64 cfs 0.118 af

Pond 101P: DMH 59 Peak Elev=63.68' Inflow=2.70 cfs 0.193 af
18.0" Round Culvert n=0.013 L=136.0' S=0.0051 '/' Outflow=2.70 cfs 0.193 af

Pond 102P: CB 93 Peak Elev=61.94' Inflow=0.75 cfs 0.054 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=0.75 cfs 0.054 af

Pond 103P: CB 92 Peak Elev=62.17' Inflow=1.34 cfs 0.097 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=1.34 cfs 0.097 af

Pond 104P: CB 83 Peak Elev=61.77' Inflow=1.38 cfs 0.097 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.38 cfs 0.097 af

Pond 105P: CB 82 Peak Elev=62.04' Inflow=2.16 cfs 0.156 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=2.16 cfs 0.156 af

Pond 106P: DMH 60 Peak Elev=61.83' Inflow=3.54 cfs 0.253 af
18.0" Round Culvert n=0.013 L=110.0' S=0.0082 '/' Outflow=3.54 cfs 0.253 af

Pond 107P: CB Peak Elev=60.57' Inflow=0.94 cfs 0.067 af
12.0" Round Culvert n=0.013 L=10.0' S=0.1000 '/' Outflow=0.94 cfs 0.067 af

Pond 108P: CB 88 Peak Elev=60.36' Inflow=0.41 cfs 0.030 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0909 '/' Outflow=0.41 cfs 0.030 af

Pond 109P: CB 79 Peak Elev=62.35' Inflow=1.84 cfs 0.130 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=1.84 cfs 0.130 af

Pond 110P: CB 78 Peak Elev=62.17' Inflow=1.59 cfs 0.112 af
15.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=1.59 cfs 0.112 af

Pond 111P: DMH 57 Peak Elev=62.56' Inflow=8.25 cfs 0.588 af
24.0" Round Culvert n=0.013 L=74.0' S=0.0054 '/' Outflow=8.25 cfs 0.588 af

Pond 112P: CB 45 Peak Elev=58.25' Inflow=1.09 cfs 0.075 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=1.09 cfs 0.075 af

Pond 113P: CB 95 Peak Elev=60.59' Inflow=0.90 cfs 0.067 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.90 cfs 0.067 af

Pond 114P: CB 94 Peak Elev=60.80' Inflow=1.46 cfs 0.107 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.46 cfs 0.107 af

Pond 115P: CB 91 Peak Elev=59.96' Inflow=1.42 cfs 0.103 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0833 '/' Outflow=1.42 cfs 0.103 af

Pond 116P: CB 90 Peak Elev=59.87' Inflow=1.13 cfs 0.084 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0714 '/' Outflow=1.13 cfs 0.084 af

Pond 117P: DMH 69 Peak Elev=60.47' Inflow=4.44 cfs 0.325 af
18.0" Round Culvert n=0.013 L=140.0' S=0.0050 '/' Outflow=4.44 cfs 0.325 af

Pond 118P: DMH 70 Peak Elev=60.92' Inflow=2.35 cfs 0.175 af
12.0" Round Culvert n=0.013 L=87.0' S=0.0051 '/' Outflow=2.35 cfs 0.175 af

Pond 119P: DMH 66 Peak Elev=59.95' Inflow=5.79 cfs 0.421 af
18.0" Round Culvert n=0.013 L=102.0' S=0.0050 '/' Outflow=5.79 cfs 0.421 af

Pond 120P: DMH 67 Peak Elev=59.35' Inflow=8.34 cfs 0.607 af
24.0" Round Culvert n=0.013 L=40.0' S=0.0213 '/' Outflow=8.34 cfs 0.607 af

Pond 122P: CB 46 Peak Elev=58.30' Inflow=1.15 cfs 0.083 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0063 '/' Outflow=1.15 cfs 0.083 af

Pond 123P: DMH 31 Peak Elev=58.18' Inflow=2.24 cfs 0.158 af
18.0" Round Culvert n=0.013 L=78.0' S=0.0100 '/' Outflow=2.24 cfs 0.158 af

Pond 124P: DMH 32 Peak Elev=57.36' Inflow=2.24 cfs 0.158 af
18.0" Round Culvert n=0.013 L=75.0' S=0.0249 '/' Outflow=2.24 cfs 0.158 af

Pond 125P: CB 36 Peak Elev=54.97' Inflow=0.70 cfs 0.048 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.70 cfs 0.048 af

Pond 126P: CB 37 Peak Elev=55.03' Inflow=0.84 cfs 0.058 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.84 cfs 0.058 af

Pond 127P: DMH 26 Peak Elev=55.02' Inflow=1.54 cfs 0.106 af
12.0" Round Culvert n=0.013 L=84.0' S=0.0173 '/' Outflow=1.54 cfs 0.106 af

Pond 128P: CB 30 Peak Elev=56.49' Inflow=0.90 cfs 0.061 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.90 cfs 0.061 af

Pond 129P: CB 34 Peak Elev=54.59' Inflow=1.25 cfs 0.085 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.25 cfs 0.085 af

Pond 130P: CB 32 Peak Elev=54.98' Inflow=2.03 cfs 0.142 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0256 '/' Outflow=2.03 cfs 0.142 af

Pond 131P: CB 35 Peak Elev=54.50' Inflow=1.00 cfs 0.067 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=1.00 cfs 0.067 af

Pond 132P: CB 33 Peak Elev=54.28' Inflow=0.85 cfs 0.057 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.85 cfs 0.057 af

Pond 133P: DMH 24 Peak Elev=54.91' Inflow=5.13 cfs 0.351 af
18.0" Round Culvert n=0.013 L=112.0' S=0.0050 '/' Outflow=5.13 cfs 0.351 af

Pond 134P: DMH 25 Peak Elev=54.83' Inflow=2.25 cfs 0.152 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0050 '/' Outflow=2.25 cfs 0.152 af

Pond 135P: Inf. Basin 3 Peak Elev=54.32' Storage=4,118 cf Inflow=6.07 cfs 0.421 af
Discarded=2.16 cfs 0.421 af Primary=0.00 cfs 0.000 af Outflow=2.16 cfs 0.421 af

Pond 136P: CB 38 Peak Elev=53.94' Inflow=0.53 cfs 0.036 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.53 cfs 0.036 af

Pond 137P: CB Peak Elev=54.07' Inflow=0.94 cfs 0.065 af
12.0" Round Culvert n=0.013 L=70.0' S=0.0071 '/' Outflow=0.94 cfs 0.065 af

Pond 138P: CB 39 Peak Elev=53.91' Inflow=0.48 cfs 0.033 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.48 cfs 0.033 af

Pond 139P: DMH 28 Peak Elev=53.92' Inflow=1.02 cfs 0.069 af
12.0" Round Culvert n=0.013 L=99.0' S=0.0051 '/' Outflow=1.02 cfs 0.069 af

Pond 140P: CB 31 Peak Elev=56.53' Inflow=0.94 cfs 0.064 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0053 '/' Outflow=0.94 cfs 0.064 af

Pond 141P: DMH 23 Peak Elev=56.58' Inflow=1.85 cfs 0.125 af
12.0" Round Culvert n=0.013 L=142.0' S=0.0116 '/' Outflow=1.85 cfs 0.125 af

Pond 142P: CB 40 Peak Elev=51.23' Inflow=1.21 cfs 0.082 af
12.0" Round Culvert n=0.013 L=7.0' S=0.0143 '/' Outflow=1.21 cfs 0.082 af

Pond 143P: CB 41 Peak Elev=51.40' Inflow=1.70 cfs 0.115 af
12.0" Round Culvert n=0.013 L=7.0' S=0.0143 '/' Outflow=1.70 cfs 0.115 af

Pond 144P: DMH 30 Peak Elev=51.85' Inflow=2.91 cfs 0.196 af
12.0" Round Culvert n=0.013 L=73.0' S=0.0051 '/' Outflow=2.91 cfs 0.196 af

Pond 145P: DMH 29 Peak Elev=50.78' Inflow=2.91 cfs 0.196 af
18.0" Round Culvert n=0.013 L=95.0' S=0.0091 '/' Outflow=2.91 cfs 0.196 af

Pond 146P: Inf. Basin 2 Peak Elev=50.15' Storage=3,107 cf Inflow=4.79 cfs 0.332 af
Discarded=1.71 cfs 0.332 af Primary=0.00 cfs 0.000 af Outflow=1.71 cfs 0.332 af

Pond 147P: CB 28 Peak Elev=54.50' Inflow=0.26 cfs 0.017 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=0.26 cfs 0.017 af

Pond 148P: CB 43 Peak Elev=52.50' Inflow=0.74 cfs 0.051 af
12.0" Round Culvert n=0.013 L=68.0' S=0.0441 '/' Outflow=0.74 cfs 0.051 af

Pond 149P: CB 29 Peak Elev=54.50' Inflow=0.27 cfs 0.019 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0079 '/' Outflow=0.27 cfs 0.019 af

Pond 150P: DMH 22 Peak Elev=55.08' Inflow=2.38 cfs 0.161 af
12.0" Round Culvert n=0.013 L=50.0' S=0.0144 '/' Outflow=2.38 cfs 0.161 af

Pond 151P: CB 22 Peak Elev=52.76' Inflow=0.55 cfs 0.038 af
12.0" Round Culvert n=0.013 L=28.0' S=0.0054 '/' Outflow=0.55 cfs 0.038 af

Pond 152P: CB 23 Peak Elev=52.78' Inflow=0.64 cfs 0.043 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0079 '/' Outflow=0.64 cfs 0.043 af

Pond 153P: DMH 17 Peak Elev=53.51' Inflow=5.72 cfs 0.391 af
18.0" Round Culvert n=0.013 L=94.0' S=0.0053 '/' Outflow=5.72 cfs 0.391 af

Pond 154P: CB 18 Peak Elev=53.77' Inflow=0.74 cfs 0.050 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.74 cfs 0.050 af

Pond 155P: CB 27 Peak Elev=55.14' Inflow=0.76 cfs 0.052 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.76 cfs 0.052 af

Pond 156P: CB 26 Peak Elev=55.00' Inflow=0.46 cfs 0.033 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.46 cfs 0.033 af

Pond 157P: DMH 21 Peak Elev=55.07' Inflow=1.22 cfs 0.085 af
12.0" Round Culvert n=0.013 L=86.0' S=0.0105 '/' Outflow=1.22 cfs 0.085 af

Pond 158P: CB 24 Peak Elev=53.97' Inflow=0.38 cfs 0.026 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.38 cfs 0.026 af

Pond 159P: CB 25 Peak Elev=54.05' Inflow=0.55 cfs 0.038 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.55 cfs 0.038 af

Pond 160P: DMH 20 Peak Elev=54.46' Inflow=2.15 cfs 0.149 af
12.0" Round Culvert n=0.013 L=33.0' S=0.0052 '/' Outflow=2.15 cfs 0.149 af

Pond 161P: DMH 19 Peak Elev=54.34' Inflow=4.53 cfs 0.310 af
18.0" Round Culvert n=0.013 L=100.0' S=0.0098 '/' Outflow=4.53 cfs 0.310 af

Pond 162P: CB 15 Peak Elev=51.66' Inflow=1.07 cfs 0.072 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0143 '/' Outflow=1.07 cfs 0.072 af

Pond 163P: CB 14 Peak Elev=51.65' Inflow=0.85 cfs 0.058 af
12.0" Round Culvert n=0.013 L=22.0' S=0.0050 '/' Outflow=0.85 cfs 0.058 af

Pond 165P: CB 19 Peak Elev=53.72' Inflow=0.62 cfs 0.042 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.62 cfs 0.042 af

Pond 166P: DMH 13 Peak Elev=52.90' Inflow=1.35 cfs 0.092 af
12.0" Round Culvert n=0.013 L=92.0' S=0.0050 '/' Outflow=1.35 cfs 0.092 af

Pond 167P: CB 11 Peak Elev=51.24' Inflow=0.62 cfs 0.042 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0105 '/' Outflow=0.62 cfs 0.042 af

Pond 168P: CB 10 Peak Elev=51.05' Inflow=0.22 cfs 0.017 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0182 '/' Outflow=0.22 cfs 0.017 af

Pond 169P: DMH 12 Peak Elev=52.34' Inflow=1.35 cfs 0.092 af
12.0" Round Culvert n=0.013 L=107.0' S=0.0050 '/' Outflow=1.35 cfs 0.092 af

Pond 170P: CB 9 Peak Elev=50.84' Inflow=0.60 cfs 0.040 af
12.0" Round Culvert n=0.013 L=21.0' S=0.0667 '/' Outflow=0.60 cfs 0.040 af

Pond 171P: DMH 6 Peak Elev=50.01' Inflow=4.50 cfs 0.312 af
18.0" Round Culvert n=0.013 L=130.0' S=0.0073 '/' Outflow=4.50 cfs 0.312 af

Pond 172P: CB 16 Peak Elev=52.57' Inflow=1.13 cfs 0.077 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=1.13 cfs 0.077 af

Pond 173P: CB 17 Peak Elev=52.28' Inflow=0.42 cfs 0.029 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.42 cfs 0.029 af

Pond 174P: DMH 11 Peak Elev=51.88' Inflow=2.90 cfs 0.198 af
18.0" Round Culvert n=0.013 L=22.0' S=0.0118 '/' Outflow=2.90 cfs 0.198 af

Pond 175P: DMH 5 Peak Elev=51.69' Inflow=3.61 cfs 0.247 af
12.0" Round Culvert n=0.013 L=103.0' S=0.0050 '/' Outflow=3.61 cfs 0.247 af

Pond 176P: CB 6 Peak Elev=50.21' Inflow=0.49 cfs 0.033 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0133 '/' Outflow=0.49 cfs 0.033 af

Pond 177P: CB 13 Peak Elev=51.85' Inflow=0.91 cfs 0.061 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.91 cfs 0.061 af

Pond 178P: CB 12 Peak Elev=51.63' Inflow=0.40 cfs 0.027 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.40 cfs 0.027 af

Pond 179P: DMH 8 Peak Elev=51.79' Inflow=1.31 cfs 0.089 af
12.0" Round Culvert n=0.013 L=70.0' S=0.0050 '/' Outflow=1.31 cfs 0.089 af

Pond 180P: DMH 9 Peak Elev=51.61' Inflow=1.93 cfs 0.130 af
18.0" Round Culvert n=0.013 L=49.0' S=0.0051 '/' Outflow=1.93 cfs 0.130 af

Pond 181P: DMH 7 Peak Elev=52.04' Inflow=2.77 cfs 0.189 af
12.0" Round Culvert n=0.013 L=174.0' S=0.0050 '/' Outflow=2.77 cfs 0.189 af

Pond 182P: CB 7 Peak Elev=50.16' Inflow=0.36 cfs 0.025 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=0.36 cfs 0.025 af

Pond 185P: DMH 4 Peak Elev=48.95' Inflow=5.76 cfs 0.399 af
24.0" Round Culvert n=0.013 L=36.0' S=0.0208 '/' Outflow=5.76 cfs 0.399 af

Pond 186P: Constructed Wetland 1 Peak Elev=46.97' Storage=1,664 cf Inflow=1.66 cfs 0.119 af
Primary=0.93 cfs 0.095 af Secondary=0.00 cfs 0.000 af Outflow=0.93 cfs 0.095 af

Pond 187P: Constructed Wetland 3 Peak Elev=57.25' Storage=6,942 cf Inflow=7.23 cfs 0.501 af
Outflow=5.40 cfs 0.372 af

Pond 188P: CB 3 Peak Elev=48.33' Inflow=0.34 cfs 0.023 af
12.0" Round Culvert n=0.013 L=30.0' S=0.0167 '/' Outflow=0.34 cfs 0.023 af

Pond 189P: CB 4 Peak Elev=48.55' Inflow=0.89 cfs 0.060 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0263 '/' Outflow=0.89 cfs 0.060 af

Pond 190P: DMH 3 Peak Elev=48.07' Inflow=1.23 cfs 0.083 af
12.0" Round Culvert n=0.013 L=32.0' S=0.0334 '/' Outflow=1.23 cfs 0.083 af

Pond 191P: CB 42 Peak Elev=51.14' Inflow=1.14 cfs 0.081 af
12.0" Round Culvert n=0.013 L=194.0' S=0.0077 '/' Outflow=1.14 cfs 0.081 af

Pond 192P: Sub. Inf. 8 Peak Elev=50.67' Storage=0.003 af Inflow=0.61 cfs 0.041 af
Outflow=0.36 cfs 0.041 af

Pond 193P: CB 1 Peak Elev=47.04' Inflow=0.11 cfs 0.010 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0052 '/' Outflow=0.11 cfs 0.010 af

Pond 194P: CB 2 Peak Elev=47.15' Inflow=0.32 cfs 0.022 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.32 cfs 0.022 af

Pond 195P: Constructed Wetland 4 Peak Elev=56.49' Storage=7,746 cf Inflow=3.73 cfs 0.452 af
Outflow=3.36 cfs 0.319 af

Pond 196P: CB 5 Peak Elev=48.73' Inflow=1.26 cfs 0.087 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0059 '/' Outflow=1.26 cfs 0.087 af

Pond 197P: Inf. Basin 1 Peak Elev=47.51' Storage=5,423 cf Inflow=6.24 cfs 0.497 af
Discarded=1.83 cfs 0.496 af Primary=0.00 cfs 0.000 af Outflow=1.83 cfs 0.496 af

Pond 198P: Sub. Inf. 2 Peak Elev=51.71' Storage=0.036 af Inflow=5.72 cfs 0.391 af
Discarded=3.30 cfs 0.391 af Primary=0.00 cfs 0.000 af Outflow=3.30 cfs 0.391 af

Pond 200P: DMH 1 Peak Elev=47.05' Inflow=0.43 cfs 0.032 af
12.0" Round Culvert n=0.013 L=65.0' S=0.0051 '/' Outflow=0.43 cfs 0.032 af

Pond 201P: Sub. Inf. 3 Peak Elev=52.82' Storage=0.037 af Inflow=3.61 cfs 0.248 af
Discarded=1.59 cfs 0.248 af Primary=0.00 cfs 0.000 af Outflow=1.59 cfs 0.248 af

Pond 202P: DMH 14 Peak Elev=52.65' Inflow=0.00 cfs 0.000 af
18.0" Round Culvert n=0.013 L=89.0' S=0.0055 '/' Outflow=0.00 cfs 0.000 af

Pond 204P: DMH 18 Peak Elev=52.96' Inflow=5.72 cfs 0.391 af
18.0" Round Culvert n=0.013 L=5.0' S=-0.0900 '/' Outflow=5.72 cfs 0.391 af

Pond 205P: DMH 27 Peak Elev=53.93' Inflow=2.56 cfs 0.175 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0063 '/' Outflow=2.56 cfs 0.175 af

Pond 206P: DMH 34 Peak Elev=55.45' Inflow=3.09 cfs 0.219 af
18.0" Round Culvert n=0.013 L=5.0' S=-0.1800 '/' Outflow=3.09 cfs 0.219 af

Pond 207P: DMH 48 Peak Elev=61.12' Inflow=2.54 cfs 0.182 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=2.54 cfs 0.182 af

Pond 208P: DMH 58 Peak Elev=62.24' Inflow=8.25 cfs 0.588 af
24.0" Round Culvert n=0.013 L=5.0' S=0.0100 '/' Outflow=8.25 cfs 0.588 af

Pond 209P: DMH 64 Peak Elev=58.92' Inflow=4.33 cfs 0.310 af
18.0" Round Culvert n=0.013 L=5.0' S=0.0100 '/' Outflow=4.33 cfs 0.310 af

Pond 210P: DMH 68 Peak Elev=59.35' Inflow=8.34 cfs 0.607 af
24.0" Round Culvert n=0.013 L=11.0' S=0.0727 '/' Outflow=8.34 cfs 0.607 af

Pond 211P: Sub. Inf. 1B Peak Elev=50.93' Storage=0.035 af Inflow=4.22 cfs 0.287 af
Discarded=1.90 cfs 0.287 af Primary=0.00 cfs 0.000 af Outflow=1.90 cfs 0.287 af

Pond 212P: Sub. Inf. 1A Peak Elev=47.53' Storage=0.001 af Inflow=0.54 cfs 0.037 af
Discarded=0.53 cfs 0.037 af Primary=0.00 cfs 0.000 af Outflow=0.53 cfs 0.037 af

Pond 213P: DMH 2 Peak Elev=47.14' Inflow=1.66 cfs 0.115 af
12.0" Round Culvert n=0.013 L=54.0' S=0.0052 '/' Outflow=1.66 cfs 0.115 af

Pond 214P: DMH 4A Peak Elev=48.47' Inflow=0.54 cfs 0.037 af
18.0" Round Culvert n=0.013 L=3.0' S=0.0333 '/' Outflow=0.54 cfs 0.037 af

Pond 215P: CB 5A Peak Elev=48.82' Inflow=0.54 cfs 0.037 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0154 '/' Outflow=0.54 cfs 0.037 af

Pond 216P: CB 8A Peak Elev=49.69' Inflow=0.01 cfs 0.005 af
12.0" Round Culvert n=0.013 L=63.0' S=0.0100 '/' Outflow=0.01 cfs 0.005 af

Pond 217P: DMH 8A Peak Elev=51.84' Inflow=4.22 cfs 0.287 af
18.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=4.22 cfs 0.287 af

Pond 218P: CB A Peak Elev=52.31' Inflow=0.61 cfs 0.041 af
12.0" Round Culvert n=0.013 L=105.0' S=0.0050 '/' Outflow=0.61 cfs 0.041 af

Pond 219P: DMH A Peak Elev=51.73' Inflow=0.61 cfs 0.041 af
12.0" Round Culvert n=0.013 L=60.0' S=0.0057 '/' Outflow=0.61 cfs 0.041 af

Pond 220P: DMH B Peak Elev=51.37' Inflow=0.61 cfs 0.041 af
12.0" Round Culvert n=0.013 L=3.0' S=0.0167 '/' Outflow=0.61 cfs 0.041 af

Pond 221P: Inf. Basin 6 Peak Elev=58.06' Storage=7,407 cf Inflow=8.34 cfs 0.607 af
Discarded=0.19 cfs 0.116 af Primary=3.73 cfs 0.452 af Outflow=3.92 cfs 0.568 af

Link 59L: DP 1 Inflow=2.98 cfs 0.494 af
Primary=2.98 cfs 0.494 af

Link 60L: DP 2 Inflow=7.16 cfs 0.446 af
Primary=7.16 cfs 0.446 af

Link 188L: DP 3 Inflow=9.25 cfs 1.313 af
Primary=9.25 cfs 1.313 af

Link 203L: 3A Inflow=0.04 cfs 0.017 af
Primary=0.04 cfs 0.017 af

Total Runoff Area = 39.842 ac Runoff Volume = 6.510 af Average Runoff Depth = 1.96"
58.01% Pervious = 23.114 ac 41.99% Impervious = 16.728 ac

Summary for Subcatchment 1S: P1A

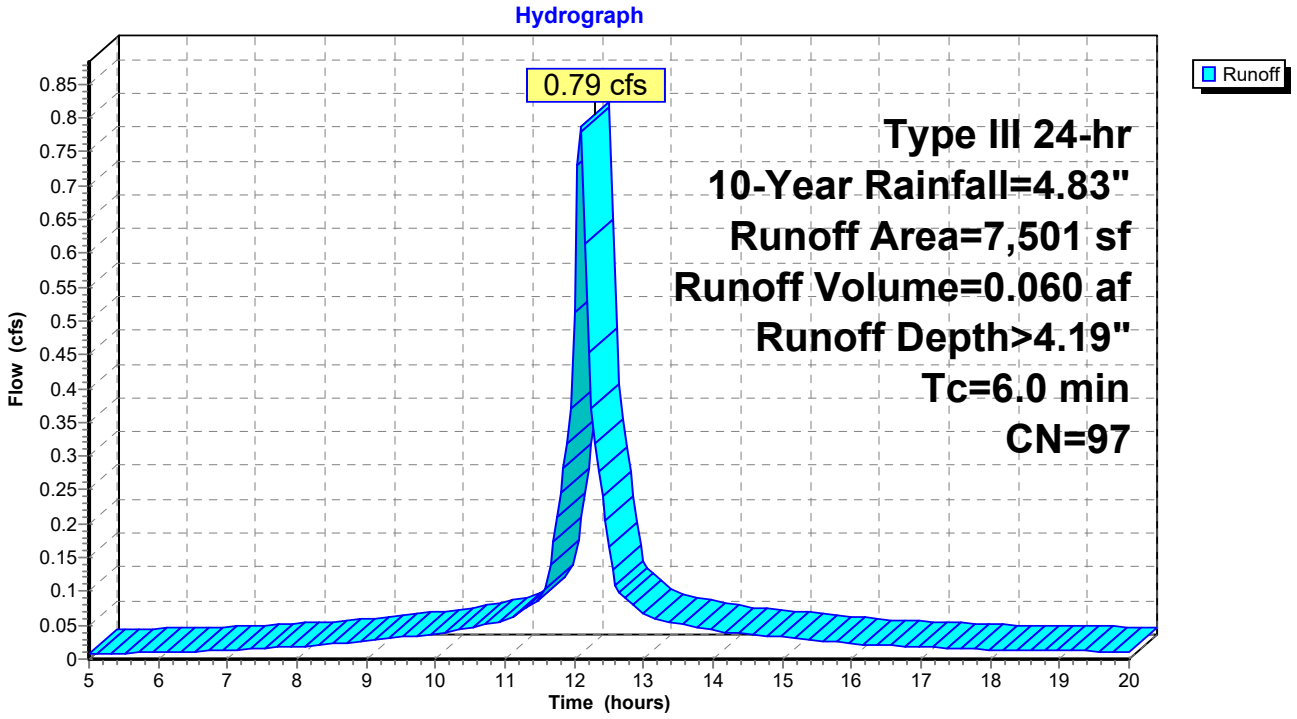
Runoff = 0.79 cfs @ 12.09 hrs, Volume= 0.060 af, Depth> 4.19"
Routed to Pond 16P : CB 58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
254	74	>75% Grass cover, Good, HSG C
1,384	98	Unconnected roofs, HSG C
5,863	98	Paved parking, HSG C
7,501	97	Weighted Average
254		3.39% Pervious Area
7,247		96.61% Impervious Area
1,384		19.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 1S: P1A



Summary for Subcatchment 2S: P1B

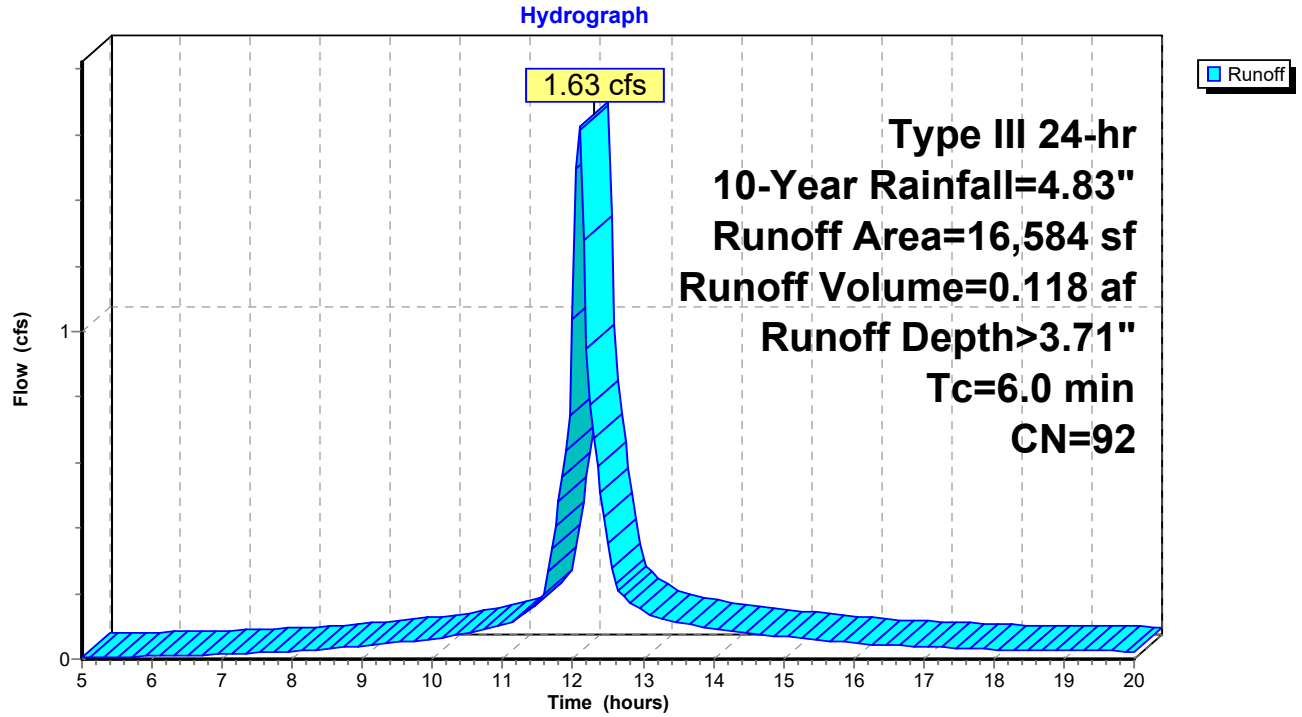
Runoff = 1.63 cfs @ 12.09 hrs, Volume= 0.118 af, Depth> 3.71"
Routed to Pond 17P : CB 59

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
5,226	98	Unconnected roofs, HSG C
4,280	74	>75% Grass cover, Good, HSG C
7,078	98	Paved parking, HSG C
16,584	92	Weighted Average
4,280		25.81% Pervious Area
12,304		74.19% Impervious Area
5,226		42.47% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 2S: P1B



Summary for Subcatchment 3S: P1C

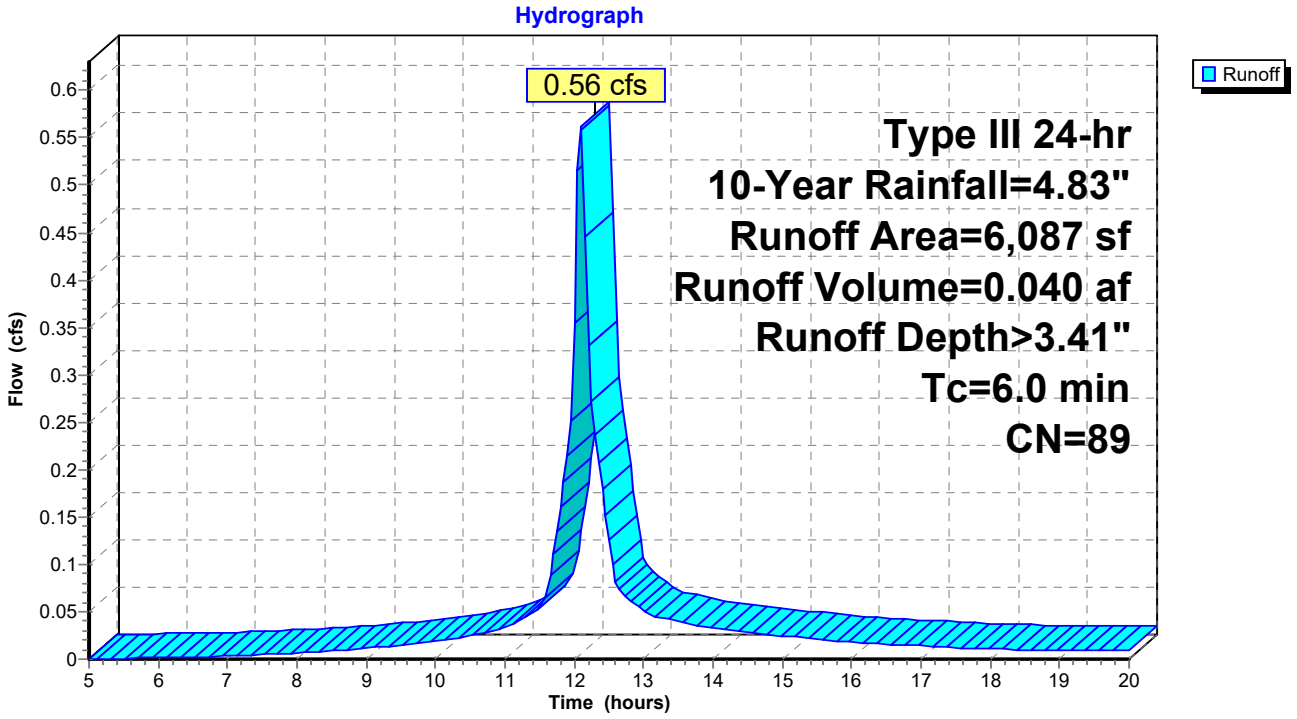
Runoff = 0.56 cfs @ 12.09 hrs, Volume= 0.040 af, Depth> 3.41"
Routed to Pond 18P : CB 63

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,616	98	Unconnected roofs, HSG C
2,173	74	>75% Grass cover, Good, HSG C
2,298	98	Paved parking, HSG C
6,087	89	Weighted Average
2,173		35.70% Pervious Area
3,914		64.30% Impervious Area
1,616		41.29% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 3S: P1C



Summary for Subcatchment 4S: P1D

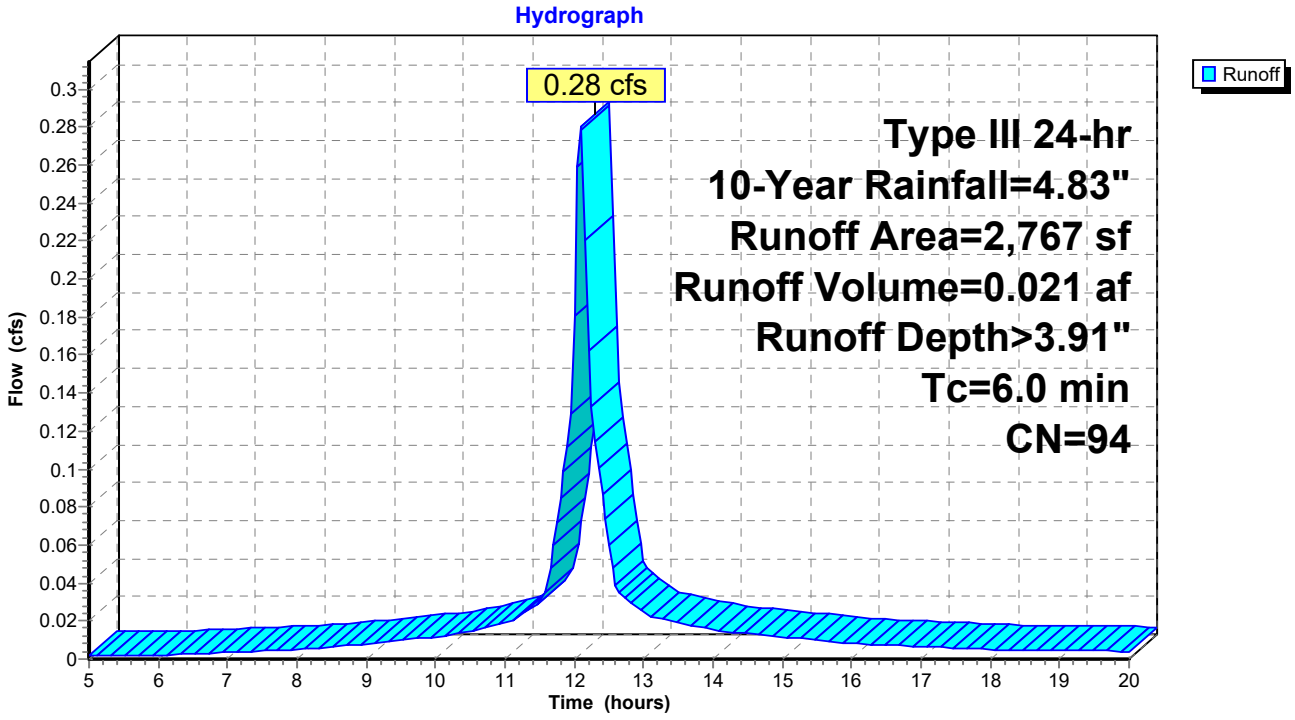
Runoff = 0.28 cfs @ 12.09 hrs, Volume= 0.021 af, Depth> 3.91"
Routed to Pond 19P : CB 62

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
512	74	>75% Grass cover, Good, HSG C
2,255	98	Paved parking, HSG C
2,767	94	Weighted Average
512		18.50% Pervious Area
2,255		81.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 4S: P1D



Summary for Subcatchment 5S: P1E

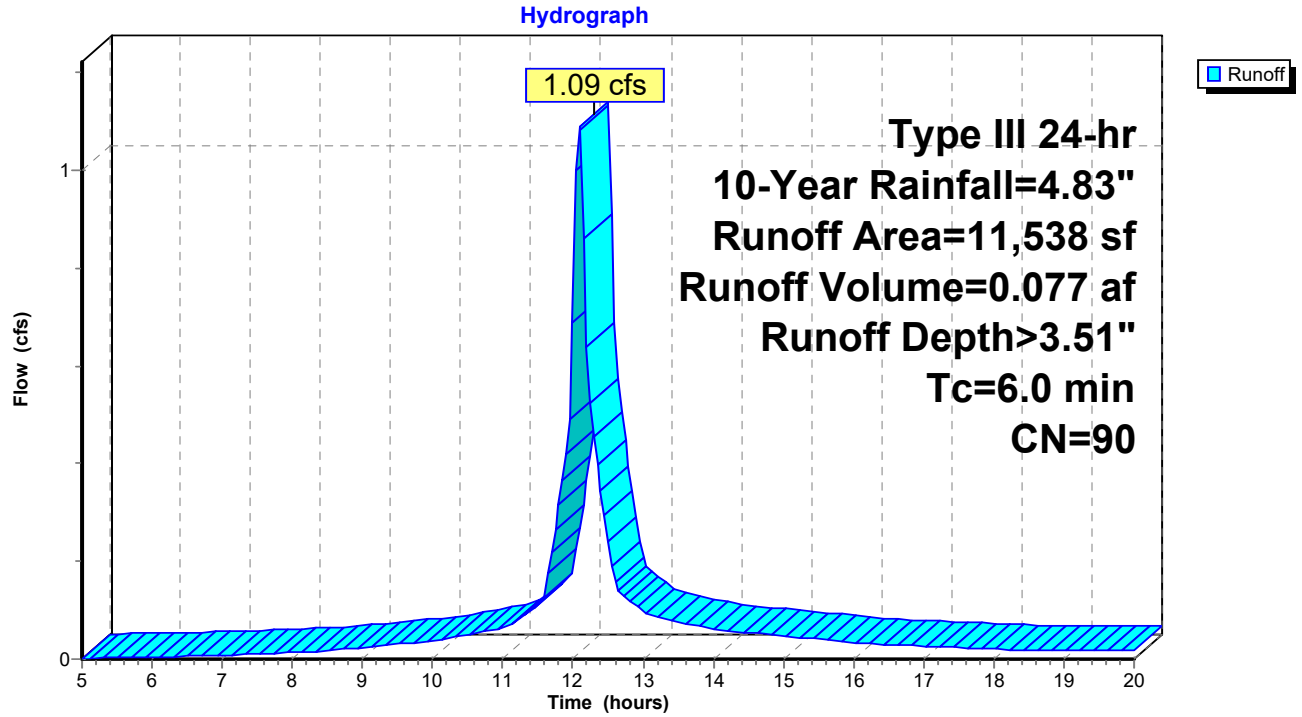
Runoff = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af, Depth> 3.51"
Routed to Pond 26P : CB 61

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,900	74	>75% Grass cover, Good, HSG C
3,976	98	Unconnected roofs, HSG C
3,662	98	Paved parking, HSG C
11,538	90	Weighted Average
3,900		33.80% Pervious Area
7,638		66.20% Impervious Area
3,976		52.06% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 5S: P1E



Summary for Subcatchment 6S: P1F

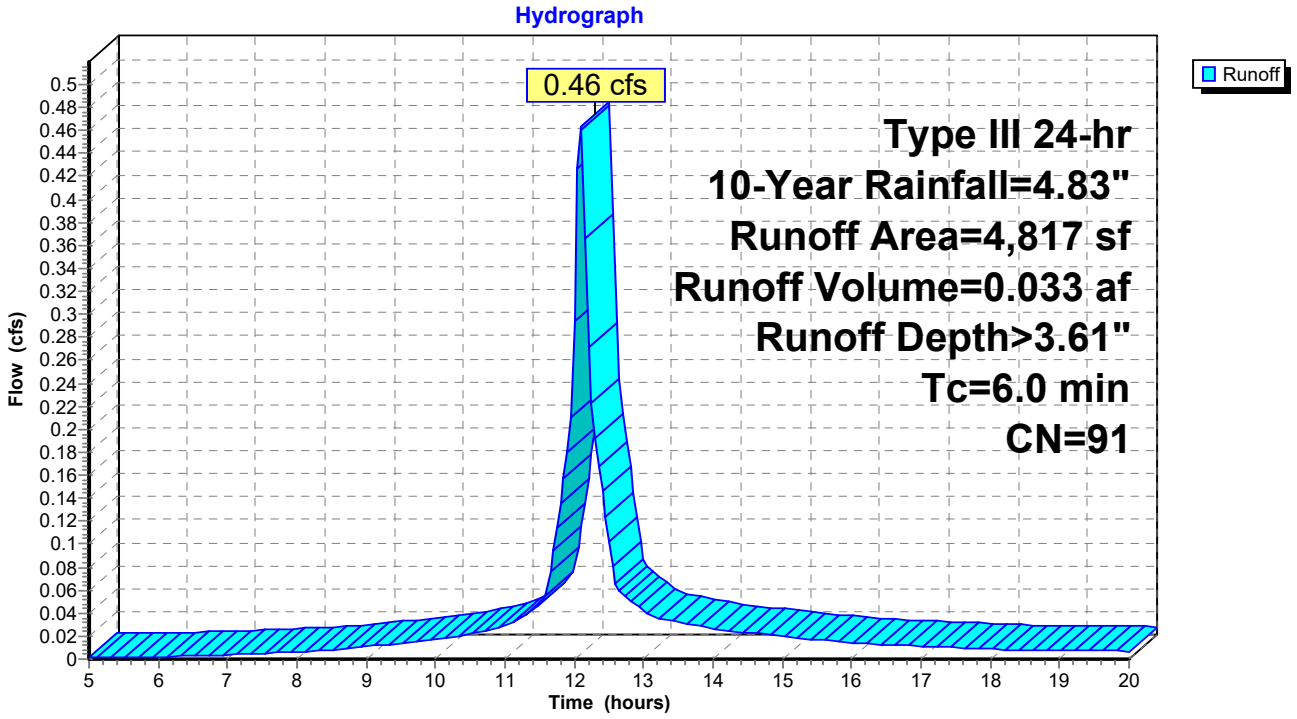
Runoff = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af, Depth> 3.61"
Routed to Pond 27P : CB 60

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,378	74	>75% Grass cover, Good, HSG C
429	98	Unconnected roofs, HSG C
3,010	98	Paved parking, HSG C
4,817	91	Weighted Average
1,378		28.61% Pervious Area
3,439		71.39% Impervious Area
429		12.47% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 6S: P1F



Summary for Subcatchment 7S: P1G

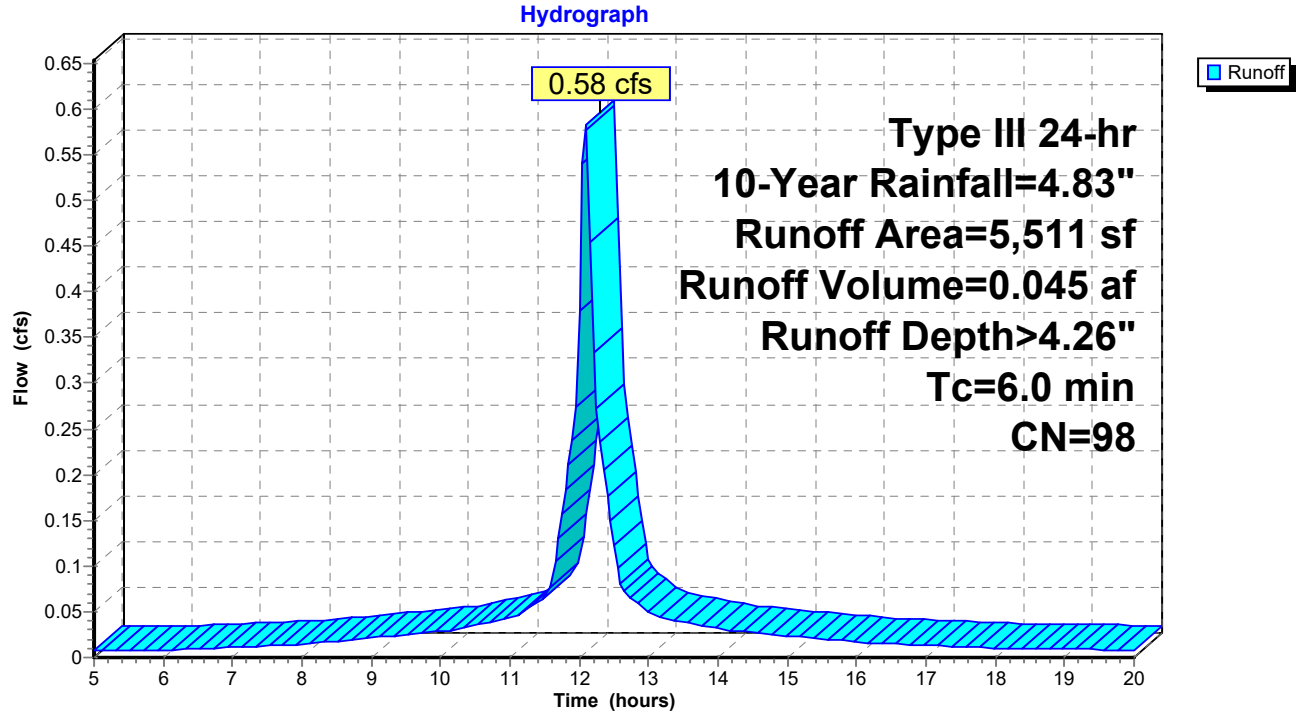
Runoff = 0.58 cfs @ 12.09 hrs, Volume= 0.045 af, Depth> 4.26"
Routed to Pond 22P : CB 56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
5,511	98	Paved parking, HSG C
5,511		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 7S: P1G



Summary for Subcatchment 8S: P1H

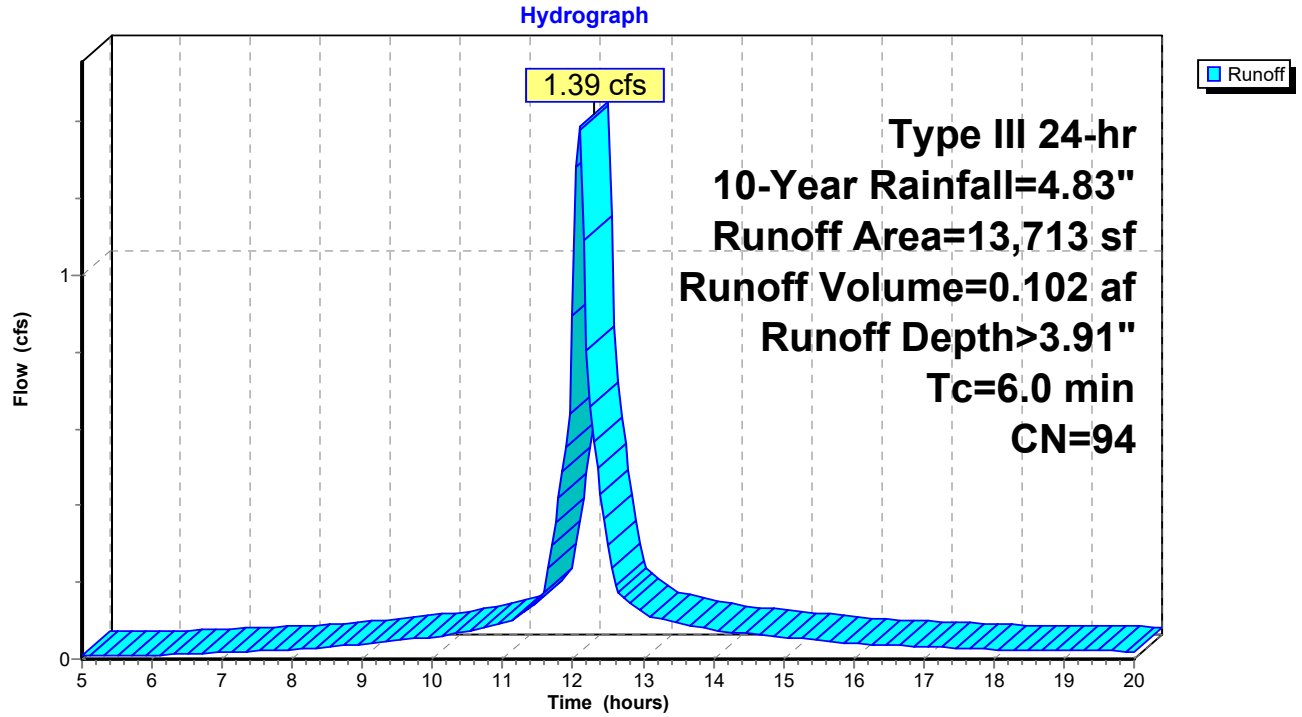
Runoff = 1.39 cfs @ 12.09 hrs, Volume= 0.102 af, Depth> 3.91"
Routed to Pond 23P : CB 57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,554	74	>75% Grass cover, Good, HSG C
5,795	98	Unconnected roofs, HSG C
5,364	98	Paved parking, HSG C
13,713	94	Weighted Average
2,554		18.62% Pervious Area
11,159		81.38% Impervious Area
5,795		51.93% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 8S: P1H



Summary for Subcatchment 9S: P1I

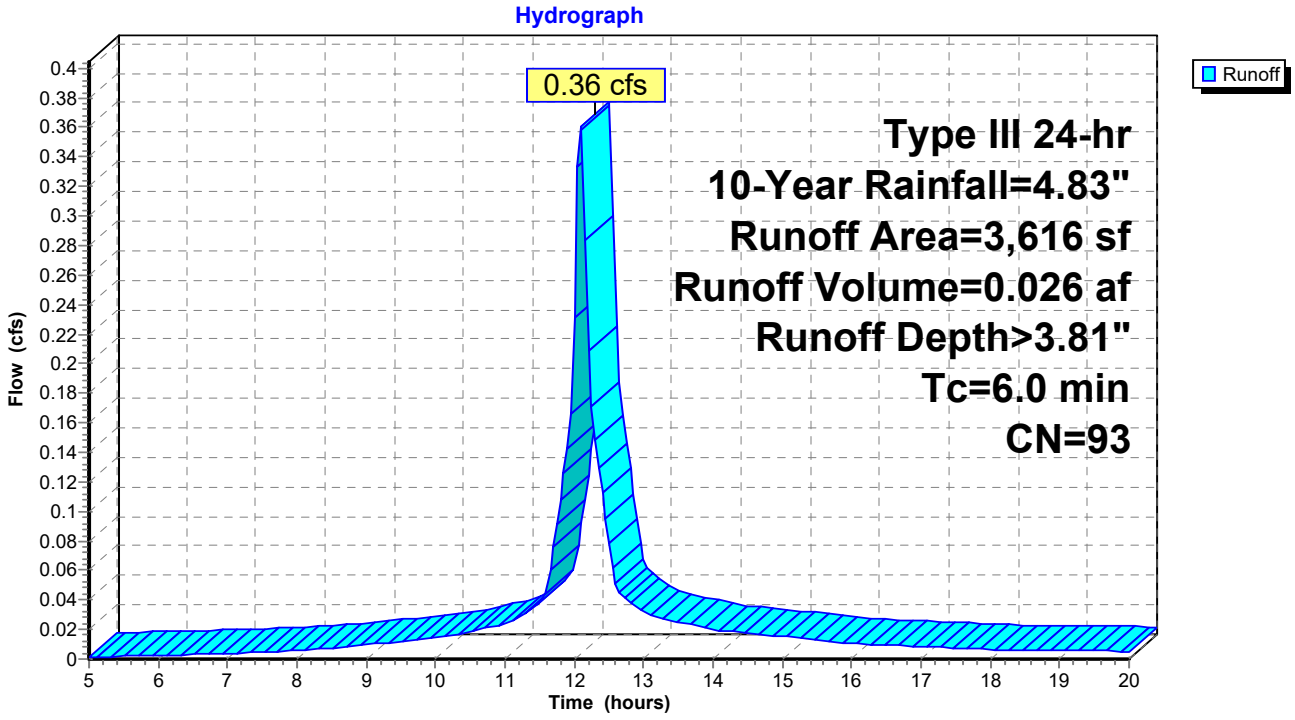
Runoff = 0.36 cfs @ 12.09 hrs, Volume= 0.026 af, Depth> 3.81"
Routed to Pond 30P : CB 55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
780	74	>75% Grass cover, Good, HSG C
2,836	98	Paved parking, HSG C
3,616	93	Weighted Average
780		21.57% Pervious Area
2,836		78.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 9S: P1I



Summary for Subcatchment 10S: P1J

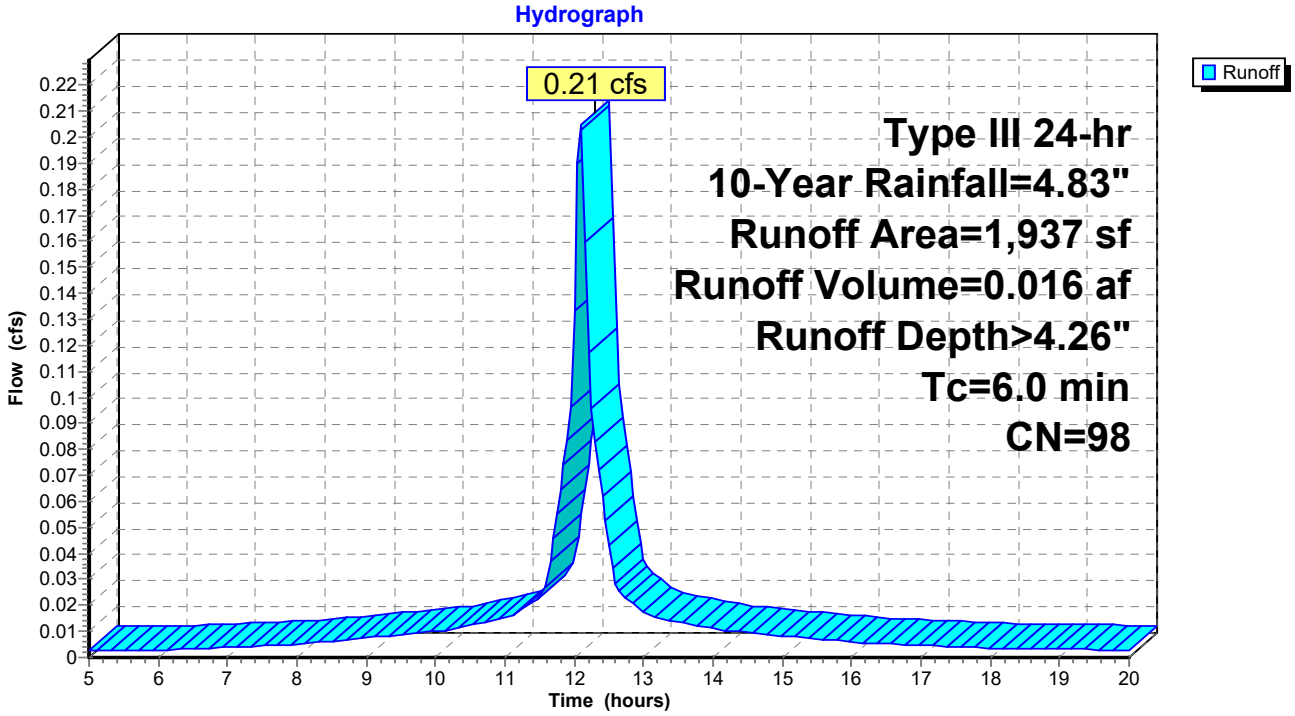
Runoff = 0.21 cfs @ 12.09 hrs, Volume= 0.016 af, Depth> 4.26"
Routed to Pond 33P : CB 53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,937	98	Paved parking, HSG C
1,937		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 10S: P1J



Summary for Subcatchment 11S: P1K

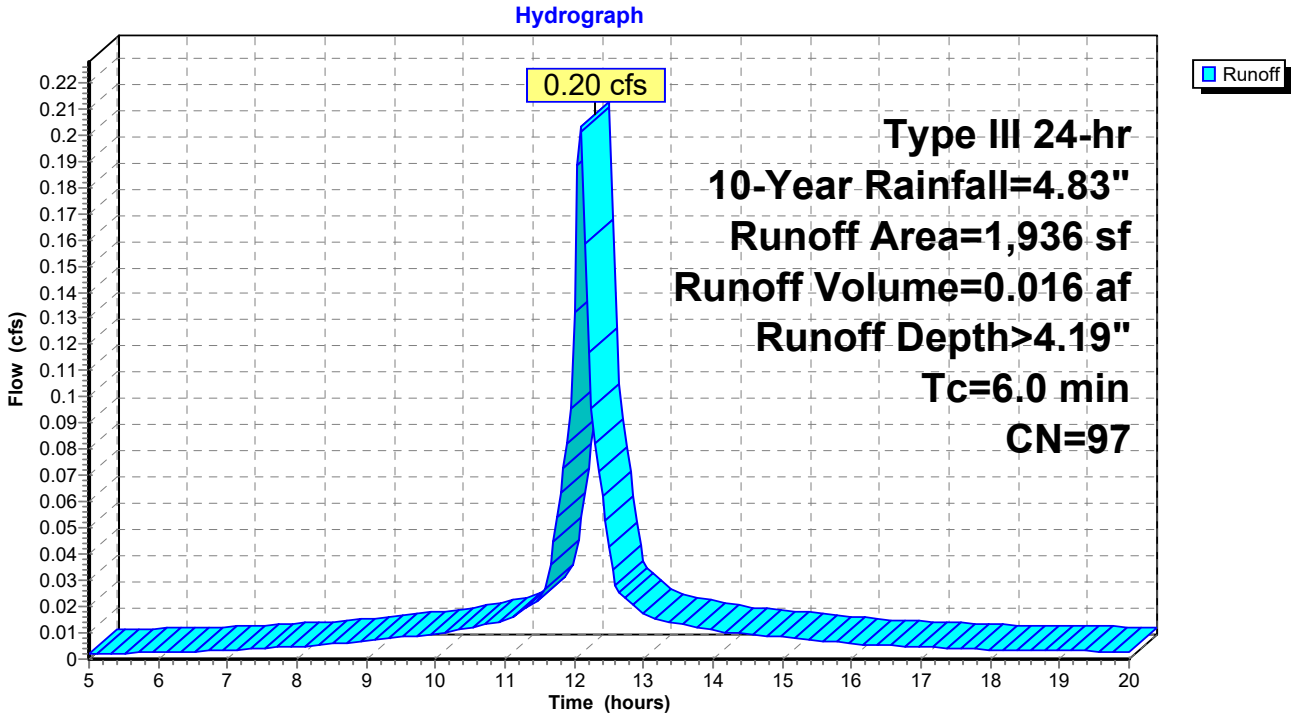
Runoff = 0.20 cfs @ 12.09 hrs, Volume= 0.016 af, Depth> 4.19"
Routed to Pond 31P : CB 51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
61	74	>75% Grass cover, Good, HSG C
354	98	Unconnected roofs, HSG C
1,521	98	Paved parking, HSG C
1,936	97	Weighted Average
61		3.15% Pervious Area
1,875		96.85% Impervious Area
354		18.88% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 11S: P1K



Summary for Subcatchment 12S: P1L

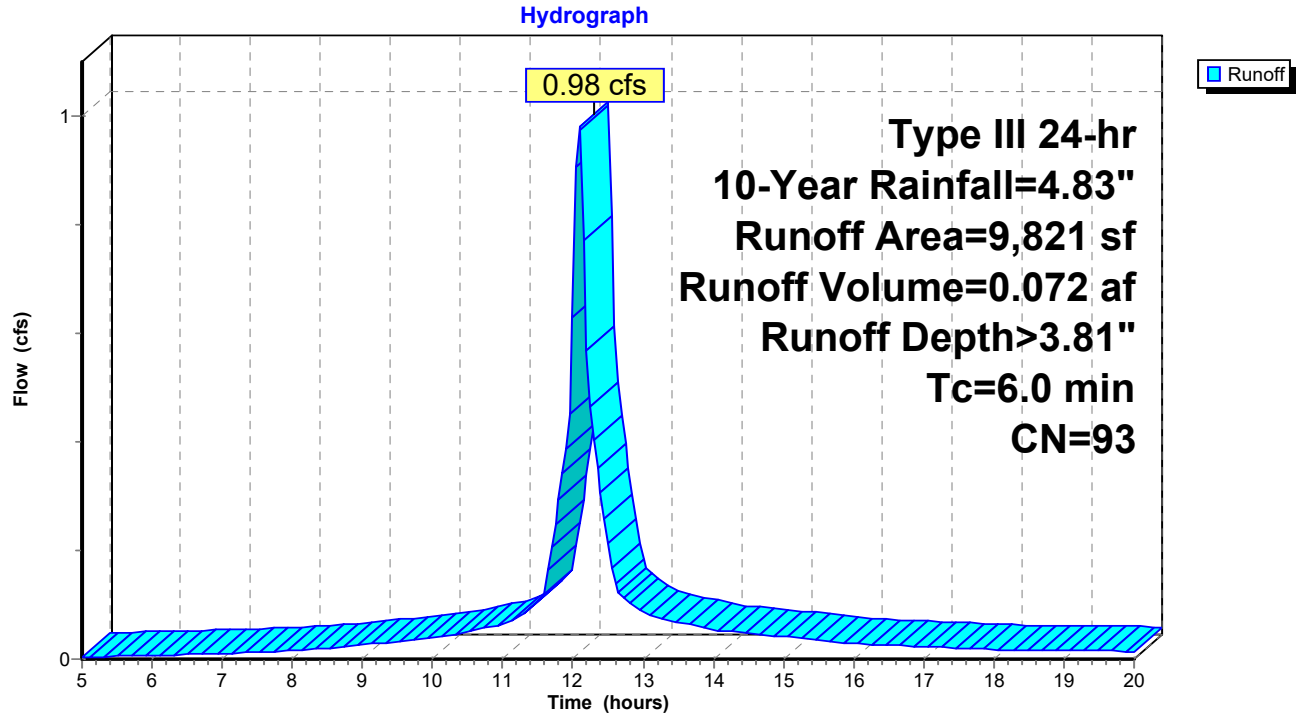
Runoff = 0.98 cfs @ 12.09 hrs, Volume= 0.072 af, Depth> 3.81"
Routed to Pond 32P : CB 52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,077	74	>75% Grass cover, Good, HSG C
2,390	98	Unconnected roofs, HSG C
5,354	98	Paved parking, HSG C
9,821	93	Weighted Average
2,077		21.15% Pervious Area
7,744		78.85% Impervious Area
2,390		30.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 12S: P1L



Summary for Subcatchment 13S: P1M

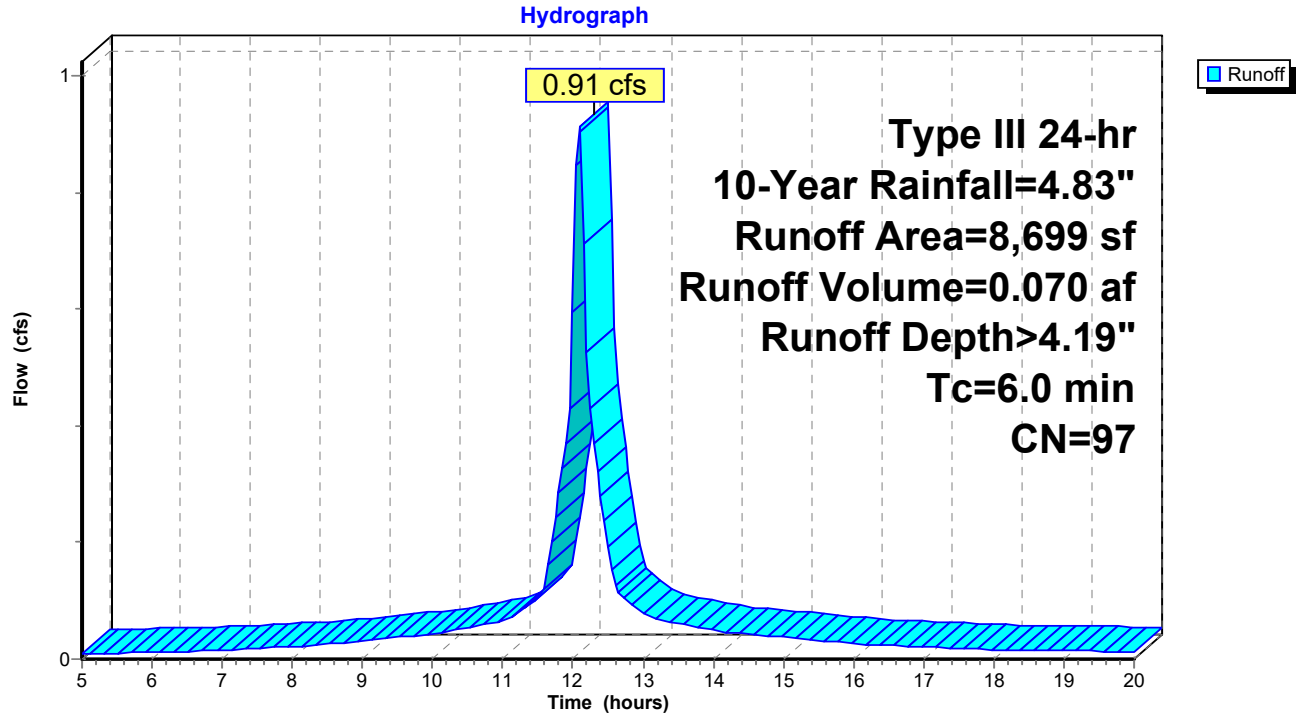
Runoff = 0.91 cfs @ 12.09 hrs, Volume= 0.070 af, Depth> 4.19"
Routed to Pond 36P : CB 54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
476	74	>75% Grass cover, Good, HSG C
569	98	Unconnected roofs, HSG C
7,654	98	Paved parking, HSG C
8,699	97	Weighted Average
476		5.47% Pervious Area
8,223		94.53% Impervious Area
569		6.92% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 13S: P1M



Summary for Subcatchment 14S: P1N

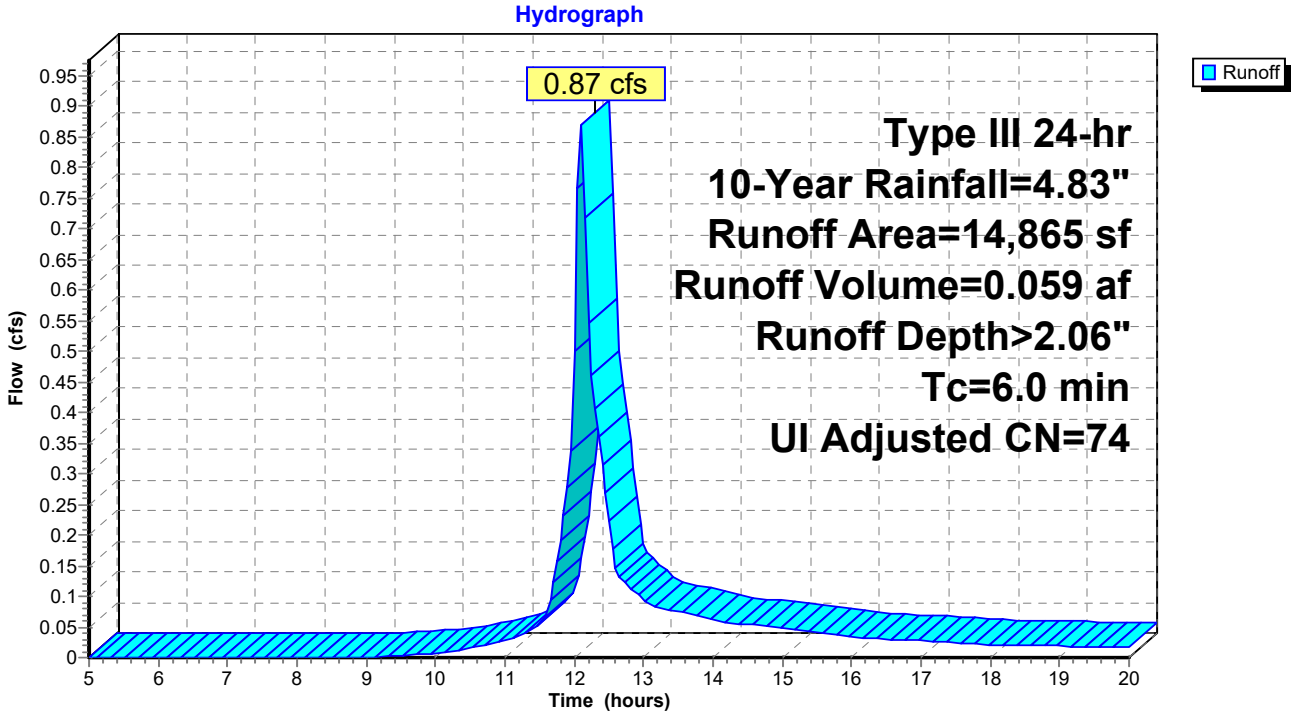
Runoff = 0.87 cfs @ 12.10 hrs, Volume= 0.059 af, Depth> 2.06"
Routed to Pond 15P : Inf. Basin 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
586	98		Unconnected roofs, HSG C
14,279	74		>75% Grass cover, Good, HSG C
14,865	75	74	Weighted Average, UI Adjusted
14,279			96.06% Pervious Area
586			3.94% Impervious Area
586			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 14S: P1N



Summary for Subcatchment 39S: P1P

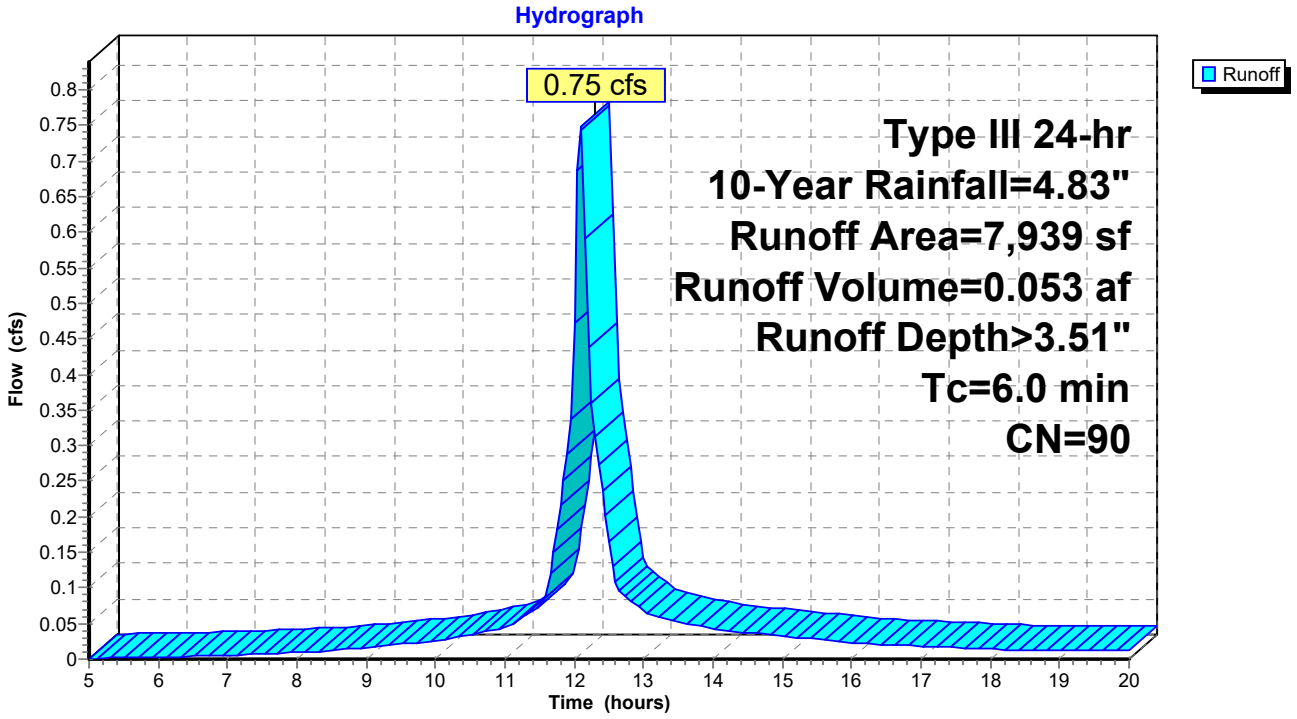
Runoff = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af, Depth> 3.51"
Routed to Pond 42P : CB 50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,926	98	Unconnected roofs, HSG C
2,623	74	>75% Grass cover, Good, HSG C
3,390	98	Paved parking, HSG C
7,939	90	Weighted Average
2,623		33.04% Pervious Area
5,316		66.96% Impervious Area
1,926		36.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 39S: P1P



Summary for Subcatchment 40S: P1O

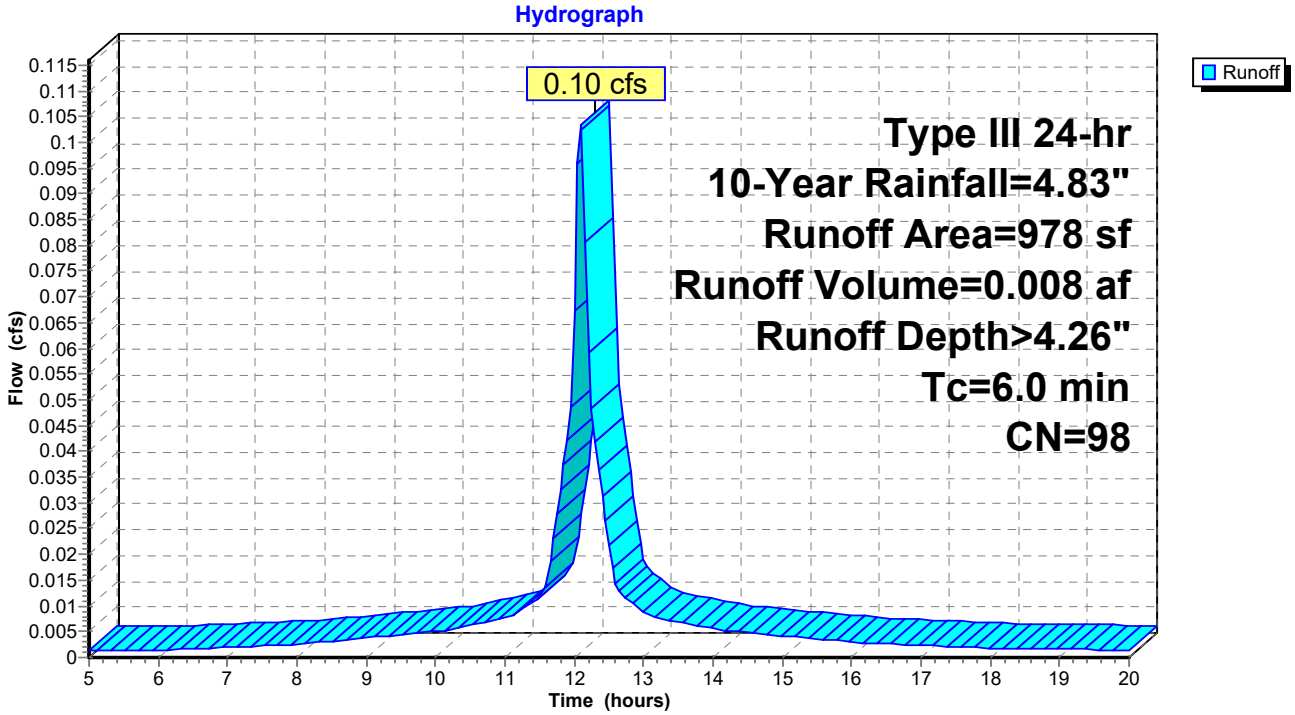
Runoff = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Depth> 4.26"
Routed to Pond 41P : CB 49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
978	98	Paved parking, HSG C
978		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 40S: P1O



Summary for Subcatchment 44S: P1R

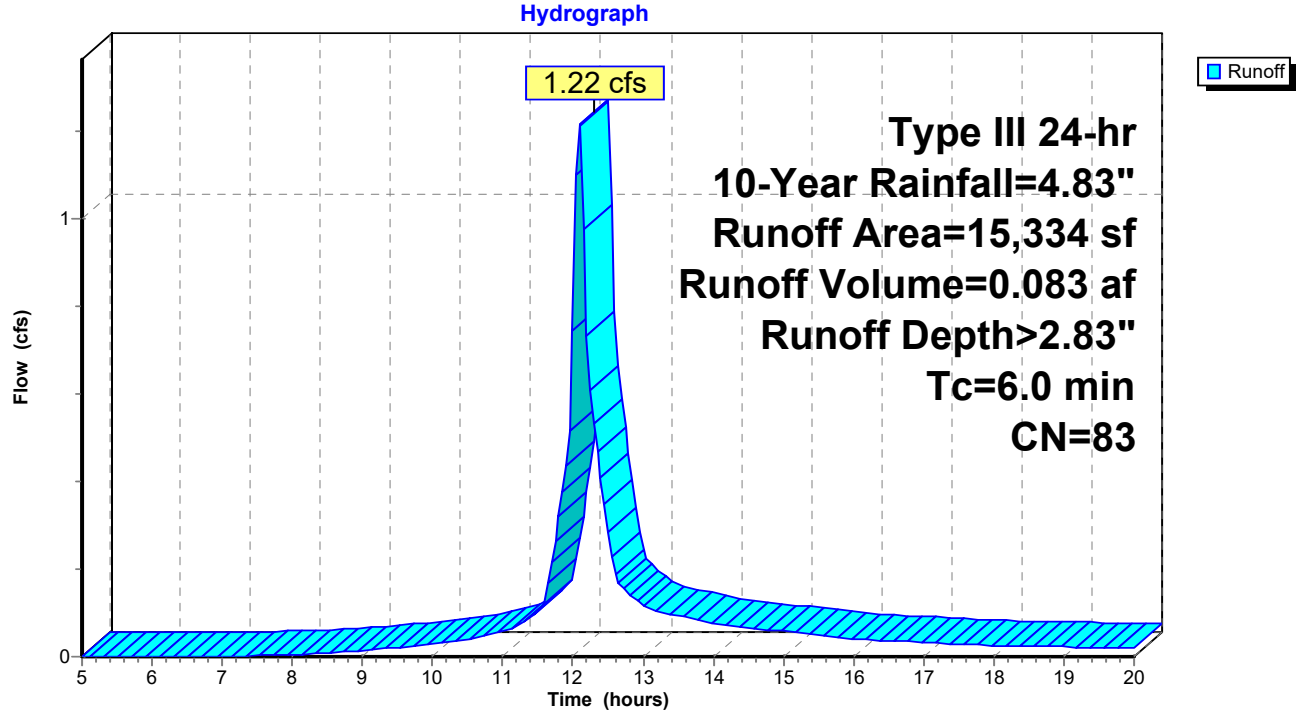
Runoff = 1.22 cfs @ 12.09 hrs, Volume= 0.083 af, Depth> 2.83"
Routed to Pond 46P : CB 48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
704	98	Unconnected pavement, HSG C
1,196	74	>75% Grass cover, Good, HSG C
955	98	Paved parking, HSG C
2,884	98	Unconnected roofs, HSG A
3,316	39	>75% Grass cover, Good, HSG A
6,279	98	Paved parking, HSG A
15,334	83	Weighted Average
4,512		29.42% Pervious Area
10,822		70.58% Impervious Area
3,588		33.15% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 44S: P1R



Summary for Subcatchment 45S: P1Q

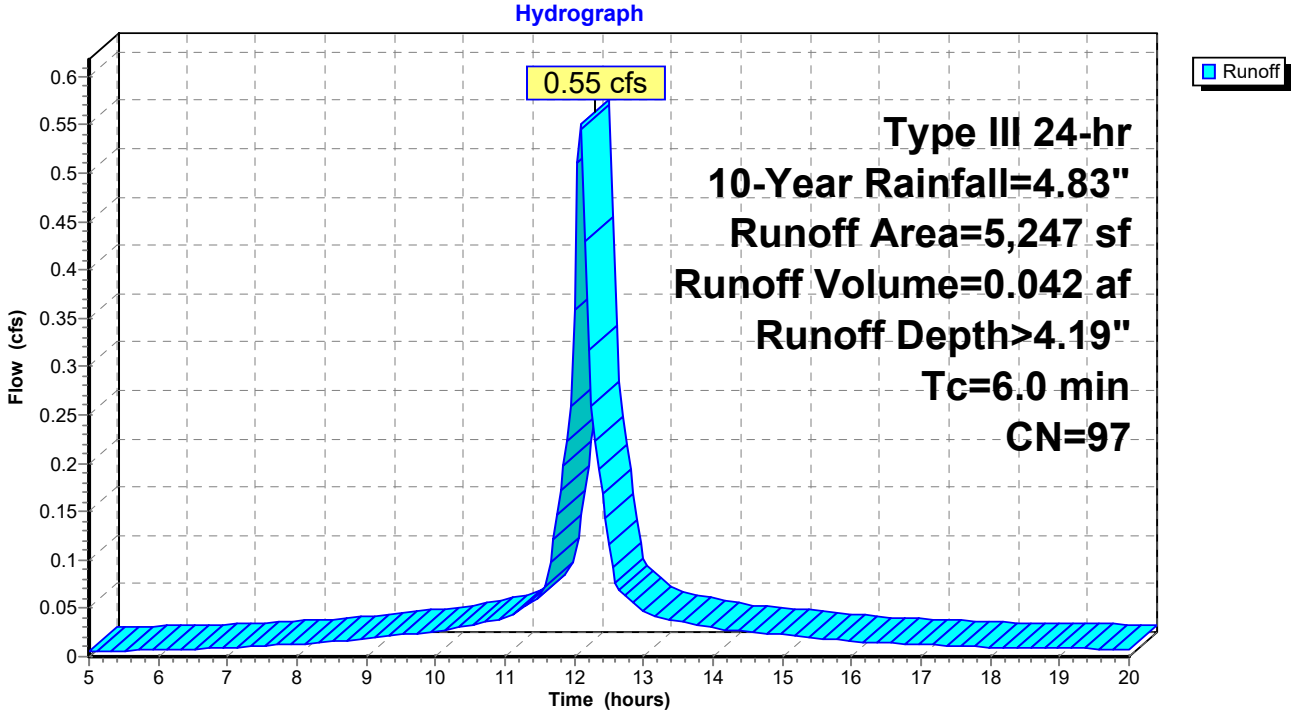
Runoff = 0.55 cfs @ 12.09 hrs, Volume= 0.042 af, Depth> 4.19"
Routed to Pond 47P : CB 47

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
49	74	>75% Grass cover, Good, HSG C
49	98	Unconnected roofs, HSG C
1,120	98	Paved parking, HSG C
80	39	>75% Grass cover, Good, HSG A
442	98	Unconnected roofs, HSG A
3,507	98	Paved parking, HSG A
5,247	97	Weighted Average
129		2.46% Pervious Area
5,118		97.54% Impervious Area
491		9.59% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 45S: P1Q



Summary for Subcatchment 50S: P1S

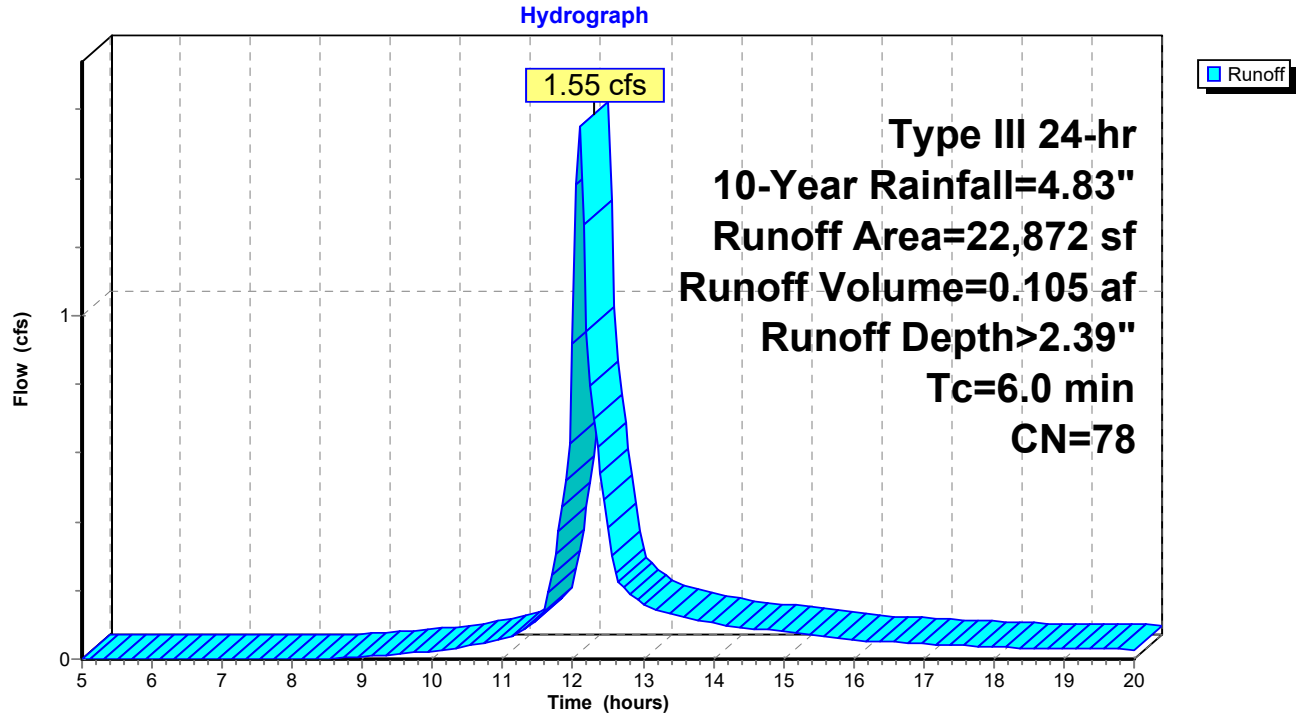
Runoff = 1.55 cfs @ 12.09 hrs, Volume= 0.105 af, Depth> 2.39"
Routed to Pond 53P : CB 21

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
6,743	98	Unconnected roofs, HSG A
7,903	39	>75% Grass cover, Good, HSG A
8,226	98	Paved parking, HSG A
22,872	78	Weighted Average
7,903		34.55% Pervious Area
14,969		65.45% Impervious Area
6,743		45.05% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 50S: P1S



Summary for Subcatchment 51S: P1T

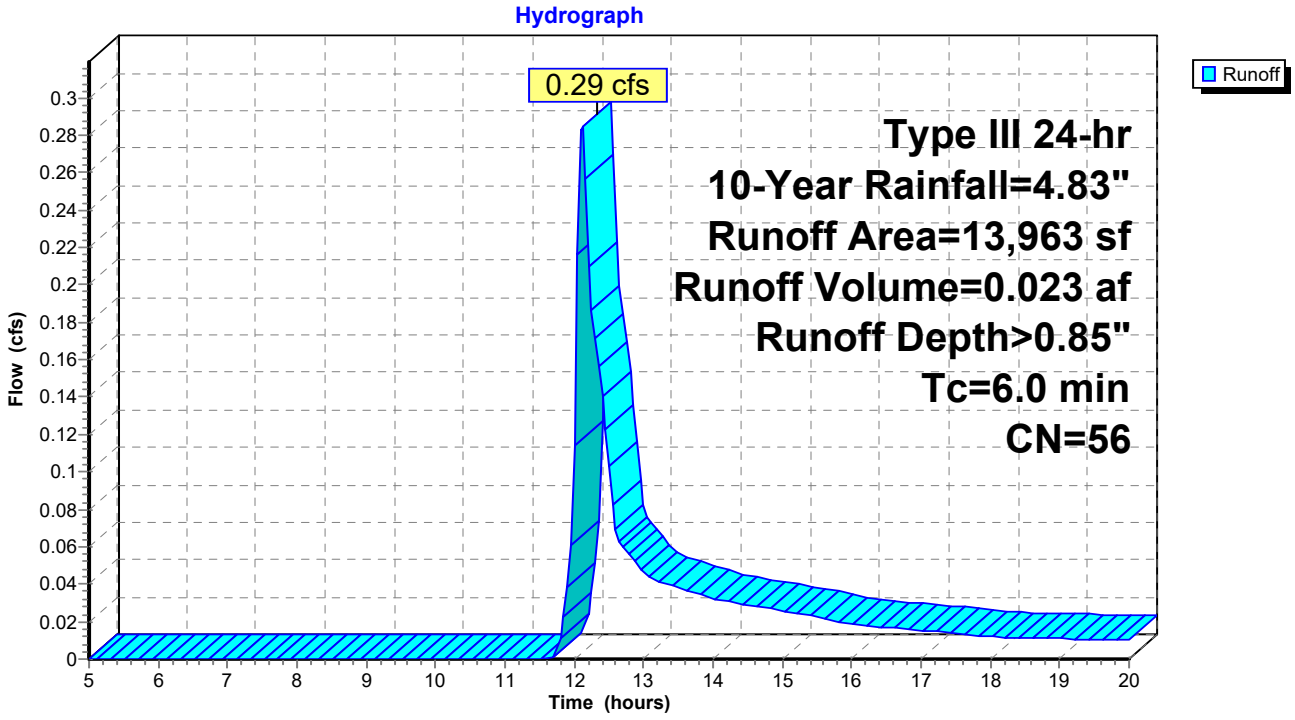
Runoff = 0.29 cfs @ 12.11 hrs, Volume= 0.023 af, Depth> 0.85"
Routed to Pond 52P : CB 20

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
9,878	39	>75% Grass cover, Good, HSG A
4,085	98	Paved parking, HSG A
13,963	56	Weighted Average
9,878		70.74% Pervious Area
4,085		29.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 51S: P1T



Summary for Subcatchment 57S: (new Subcat)

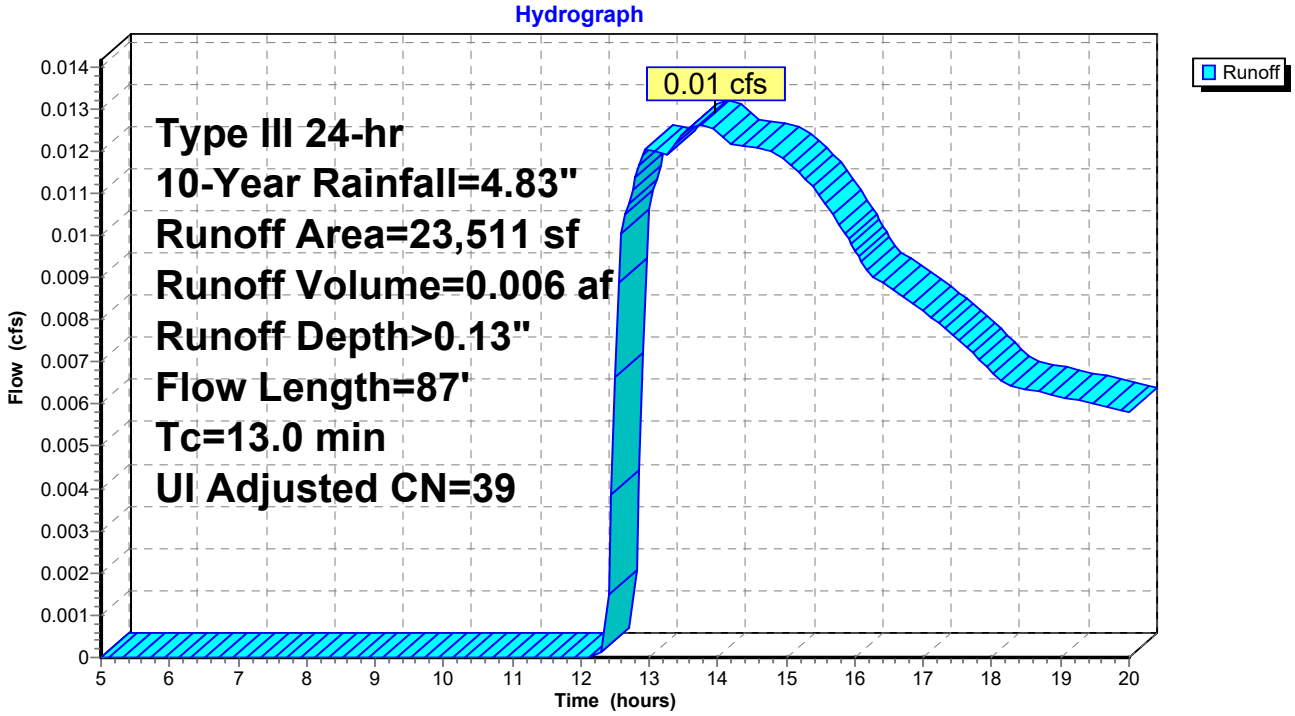
Runoff = 0.01 cfs @ 13.76 hrs, Volume= 0.006 af, Depth> 0.13"
Routed to Pond 56P : Inf. Basin 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
1,317	98		Unconnected roofs, HSG A
4,111	30		Woods, Good, HSG A
18,083	39		>75% Grass cover, Good, HSG A
23,511	41	39	Weighted Average, UI Adjusted
22,194			94.40% Pervious Area
1,317			5.60% Impervious Area
1,317			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	50	0.0200	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
0.5	37	0.0300	1.21		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
13.0	87	Total			

Subcatchment 57S: (new Subcat)



Summary for Subcatchment 58S: P1AA

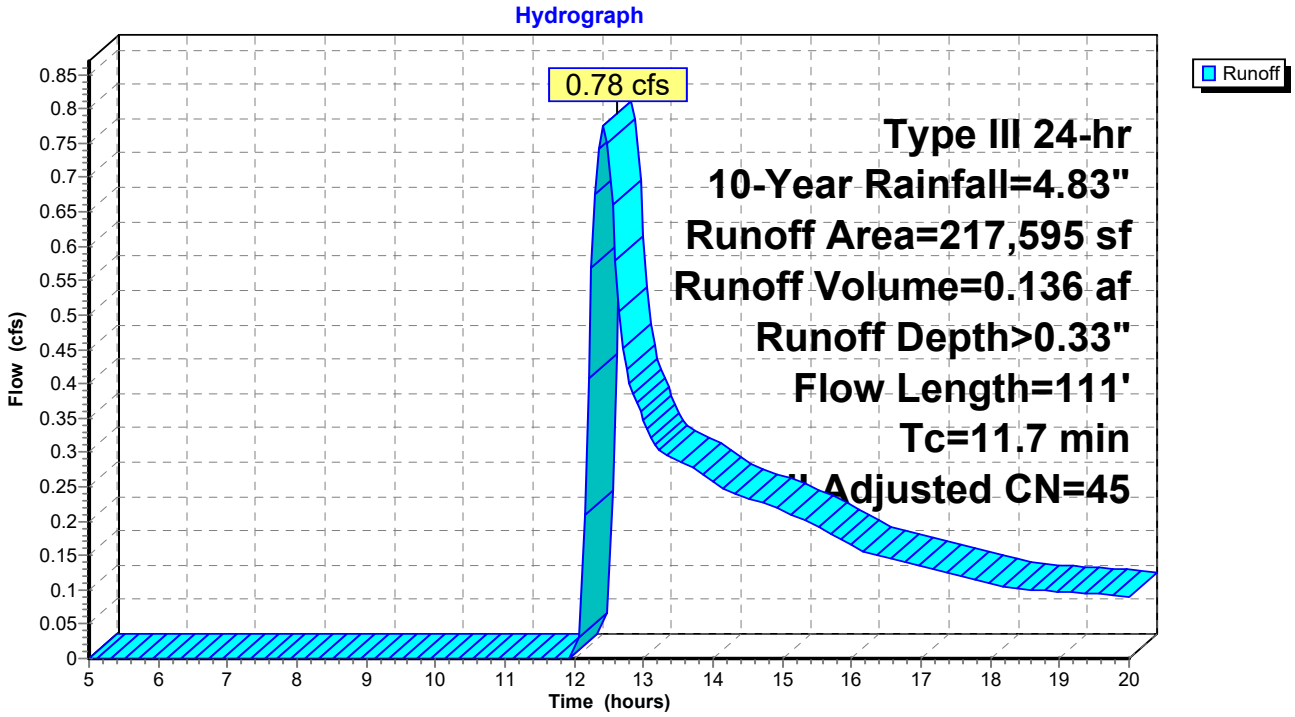
Runoff = 0.78 cfs @ 12.42 hrs, Volume= 0.136 af, Depth> 0.33"
Routed to Link 59L : DP 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

	Area (sf)	CN	Adj	Description
	1,776	98		Unconnected roofs, HSG C
	20,134	70		Woods, Good, HSG C
	38,005	74		>75% Grass cover, Good, HSG C
	3,034	98		Unconnected roofs, HSG A
*	12,179	39		Pervious Pavement
	84,195	30		Woods, Good, HSG A
	57,506	39		>75% Grass cover, Good, HSG A
	766	98		Unconnected pavement, HSG A
	217,595	46	45	Weighted Average, UI Adjusted
	212,019			97.44% Pervious Area
	5,576			2.56% Impervious Area
	5,576			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.7	50	0.0300	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
1.0	61	0.0400	1.00		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.7	111	Total			

Subcatchment 58S: P1AA



Summary for Subcatchment 60S: P2C

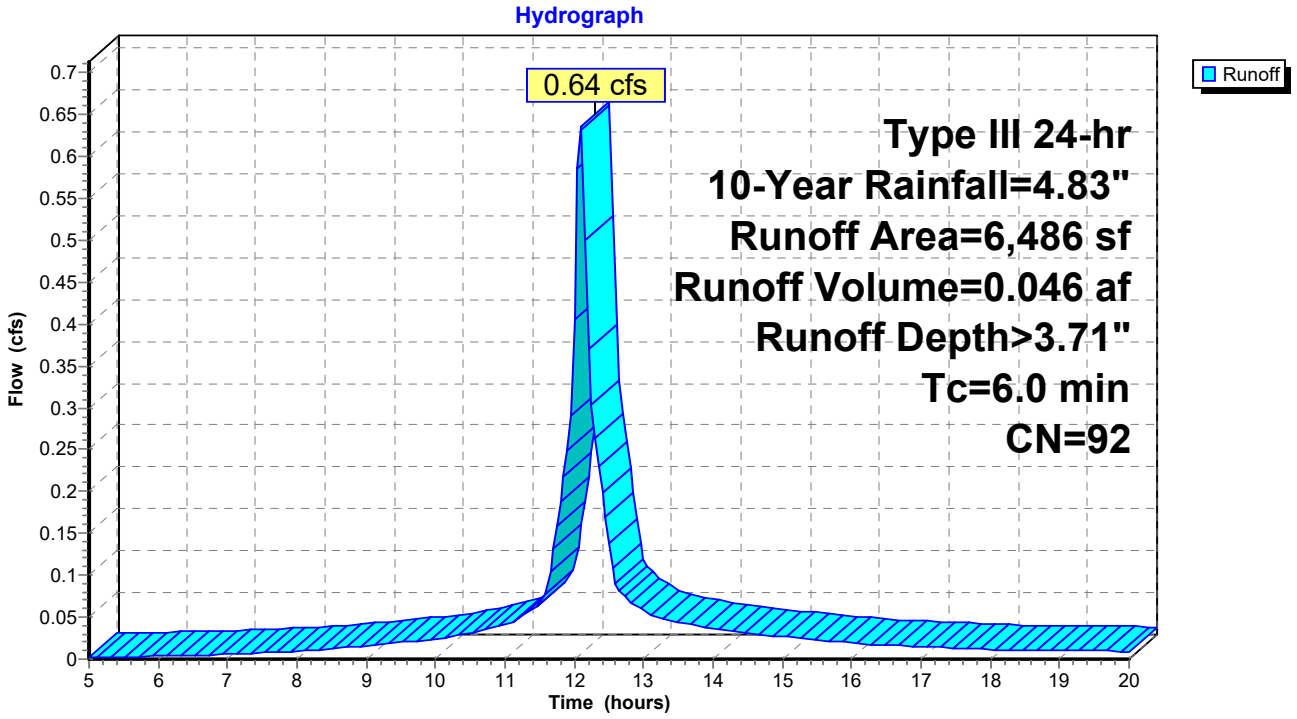
Runoff = 0.64 cfs @ 12.09 hrs, Volume= 0.046 af, Depth> 3.71"
Routed to Pond 62P : CB 66

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,086	98	Unconnected roofs, HSG C
1,688	74	>75% Grass cover, Good, HSG C
2,712	98	Paved parking, HSG C
6,486	92	Weighted Average
1,688		26.03% Pervious Area
4,798		73.97% Impervious Area
2,086		43.48% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 60S: P2C



Summary for Subcatchment 61S: P2D

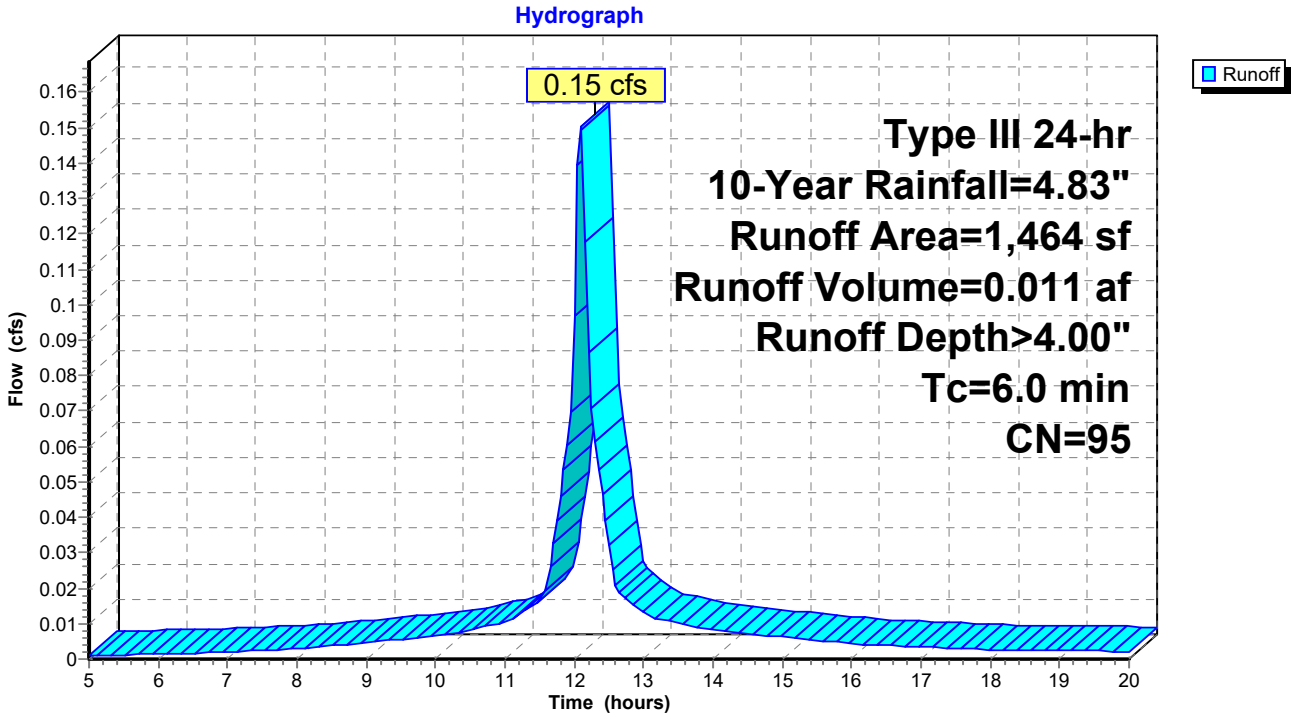
Runoff = 0.15 cfs @ 12.09 hrs, Volume= 0.011 af, Depth> 4.00"
Routed to Pond 63P : CB 67

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
190	74	>75% Grass cover, Good, HSG C
1,274	98	Paved parking, HSG C
1,464	95	Weighted Average
190		12.98% Pervious Area
1,274		87.02% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 61S: P2D



Summary for Subcatchment 62S: P2J

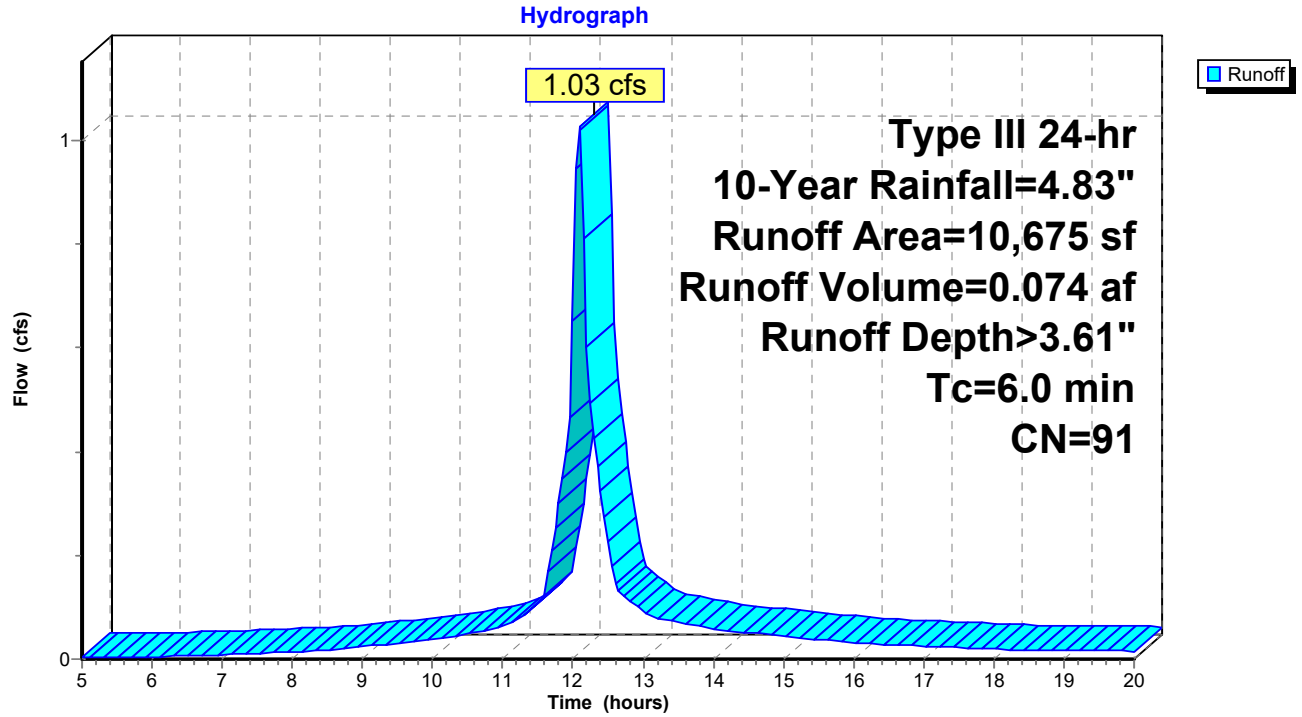
Runoff = 1.03 cfs @ 12.09 hrs, Volume= 0.074 af, Depth> 3.61"
Routed to Pond 69P : CB 72

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,207	98	Unconnected roofs, HSG C
2,897	74	>75% Grass cover, Good, HSG C
4,571	98	Paved parking, HSG C
10,675	91	Weighted Average
2,897		27.14% Pervious Area
7,778		72.86% Impervious Area
3,207		41.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 62S: P2J



Summary for Subcatchment 63S: P2K

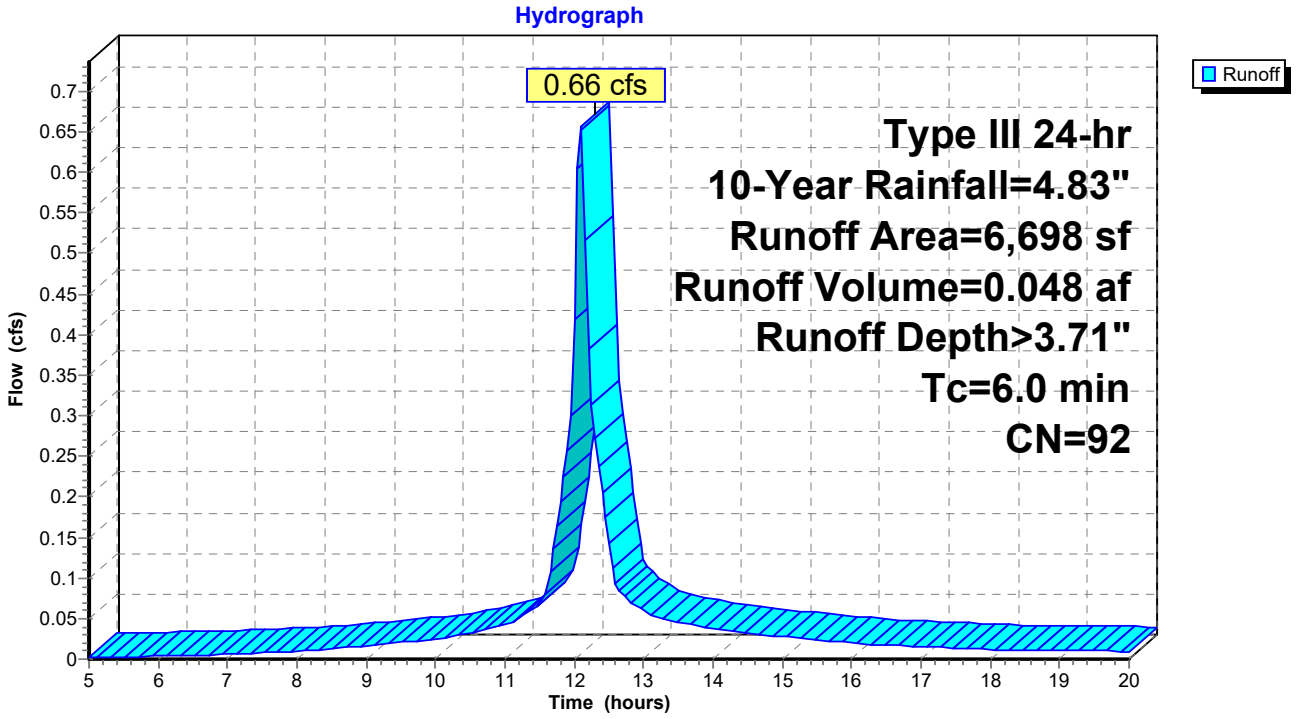
Runoff = 0.66 cfs @ 12.09 hrs, Volume= 0.048 af, Depth> 3.71"
Routed to Pond 70P : CB 73

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,542	74	>75% Grass cover, Good, HSG C
1,151	98	Unconnected roofs, HSG C
4,005	98	Paved parking, HSG C
6,698	92	Weighted Average
1,542		23.02% Pervious Area
5,156		76.98% Impervious Area
1,151		22.32% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 63S: P2K



Summary for Subcatchment 64S: P3L

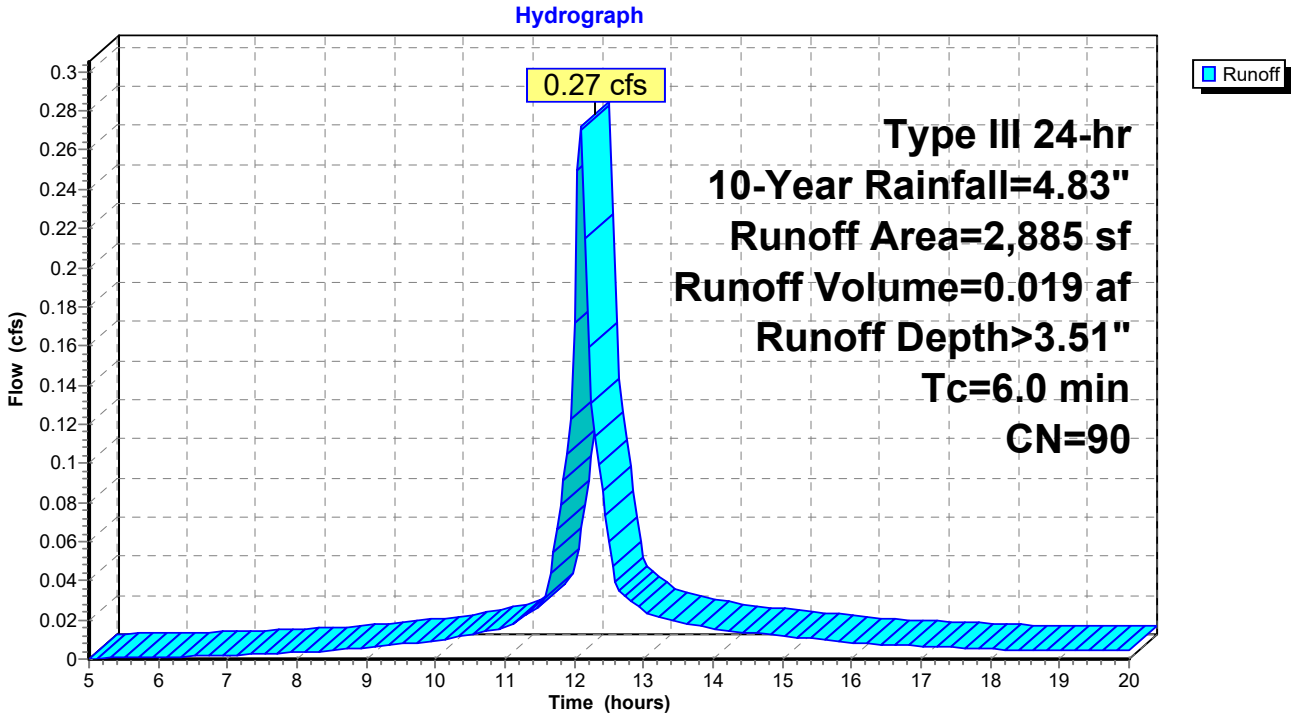
Runoff = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af, Depth> 3.51"
Routed to Pond 88P : CB 84

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
965	74	>75% Grass cover, Good, HSG C
1,920	98	Paved parking, HSG C
2,885	90	Weighted Average
965		33.45% Pervious Area
1,920		66.55% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 64S: P3L



Summary for Subcatchment 65S: P3M

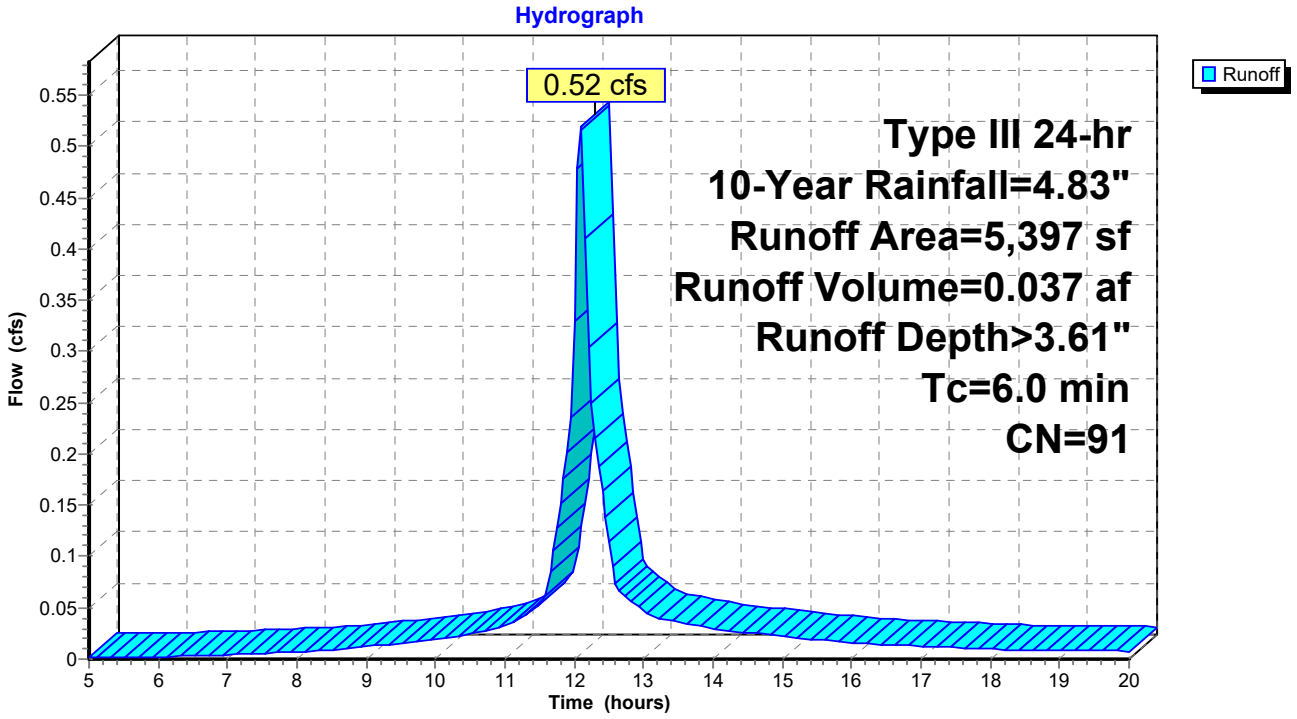
Runoff = 0.52 cfs @ 12.09 hrs, Volume= 0.037 af, Depth> 3.61"
Routed to Pond 87P : CB 85

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,636	74	>75% Grass cover, Good, HSG C
1,756	98	Unconnected roofs, HSG C
2,005	98	Paved parking, HSG C
5,397	91	Weighted Average
1,636		30.31% Pervious Area
3,761		69.69% Impervious Area
1,756		46.69% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 65S: P3M



Summary for Subcatchment 66S: P3N

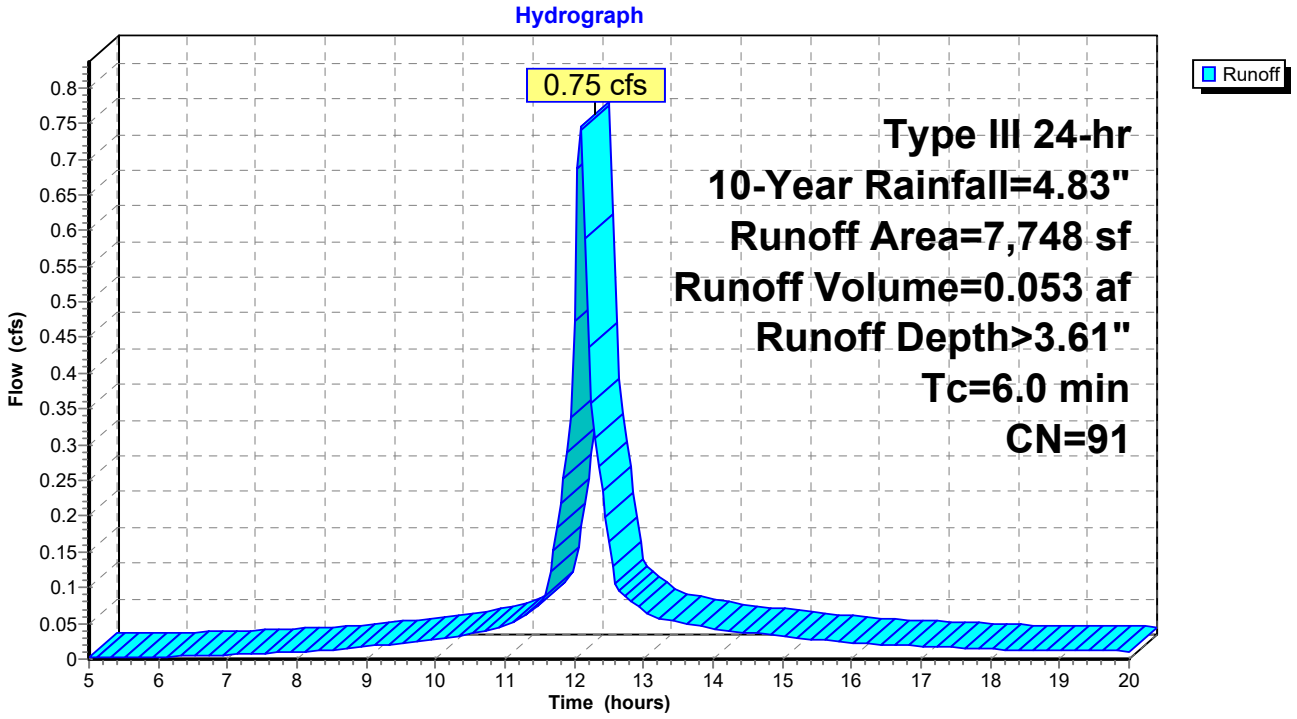
Runoff = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af, Depth> 3.61"
Routed to Pond 83P : CB 86

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,108	74	>75% Grass cover, Good, HSG C
1,824	98	Unconnected roofs, HSG C
3,816	98	Paved parking, HSG C
7,748	91	Weighted Average
2,108		27.21% Pervious Area
5,640		72.79% Impervious Area
1,824		32.34% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 66S: P3N



Summary for Subcatchment 67S: P3O

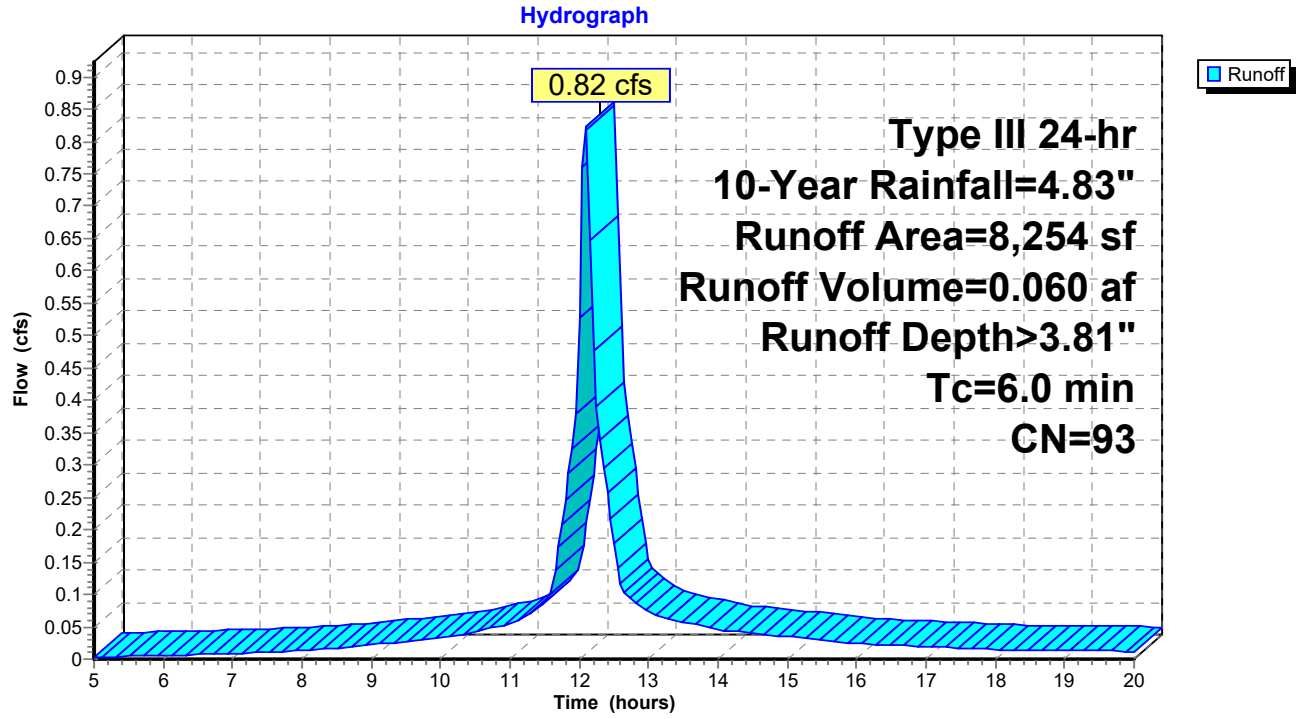
Runoff = 0.82 cfs @ 12.09 hrs, Volume= 0.060 af, Depth> 3.81"
Routed to Pond 84P : CB 87

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,792	74	>75% Grass cover, Good, HSG C
2,605	98	Unconnected roofs, HSG C
3,857	98	Paved parking, HSG C
8,254	93	Weighted Average
1,792		21.71% Pervious Area
6,462		78.29% Impervious Area
2,605		40.31% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 67S: P3O



Summary for Subcatchment 68S: P3P

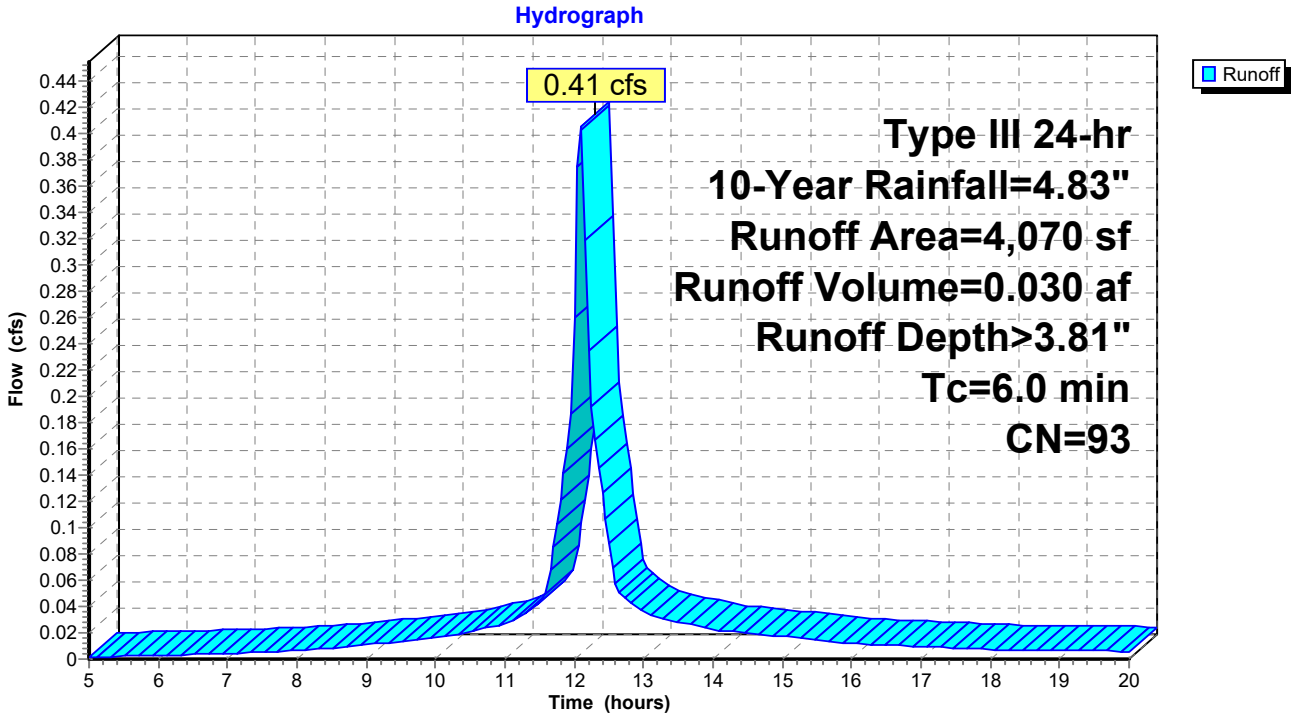
Runoff = 0.41 cfs @ 12.09 hrs, Volume= 0.030 af, Depth> 3.81"
Routed to Pond 108P : CB 88

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
802	74	>75% Grass cover, Good, HSG C
3,268	98	Paved parking, HSG C
4,070	93	Weighted Average
802		19.71% Pervious Area
3,268		80.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 68S: P3P



Summary for Subcatchment 69S: P2E

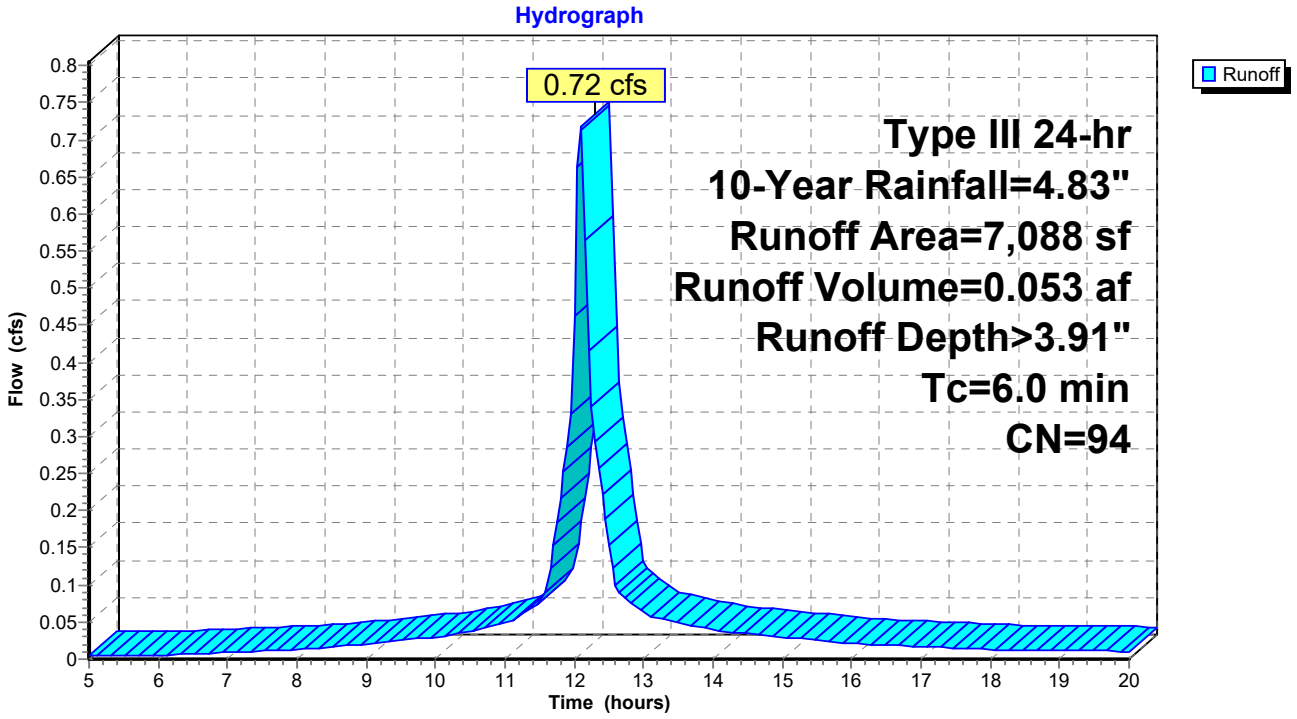
Runoff = 0.72 cfs @ 12.09 hrs, Volume= 0.053 af, Depth> 3.91"
Routed to Pond 66P : CB 68

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,227	74	>75% Grass cover, Good, HSG C
1,596	98	Unconnected roofs, HSG C
4,265	98	Paved parking, HSG C
7,088	94	Weighted Average
1,227		17.31% Pervious Area
5,861		82.69% Impervious Area
1,596		27.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 69S: P2E



Summary for Subcatchment 70S: P2F

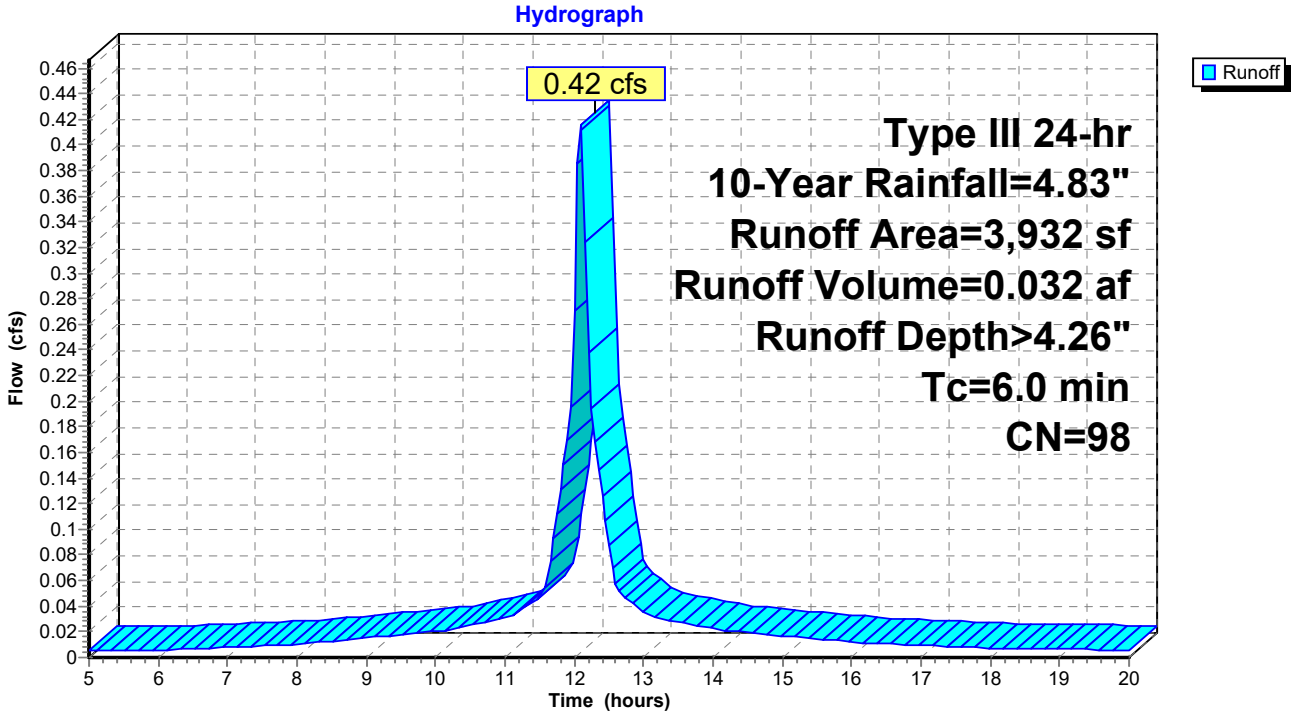
Runoff = 0.42 cfs @ 12.09 hrs, Volume= 0.032 af, Depth> 4.26"
Routed to Pond 67P : CB 69

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,932	98	Paved parking, HSG C
3,932		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 70S: P2F



Summary for Subcatchment 71S: P2A

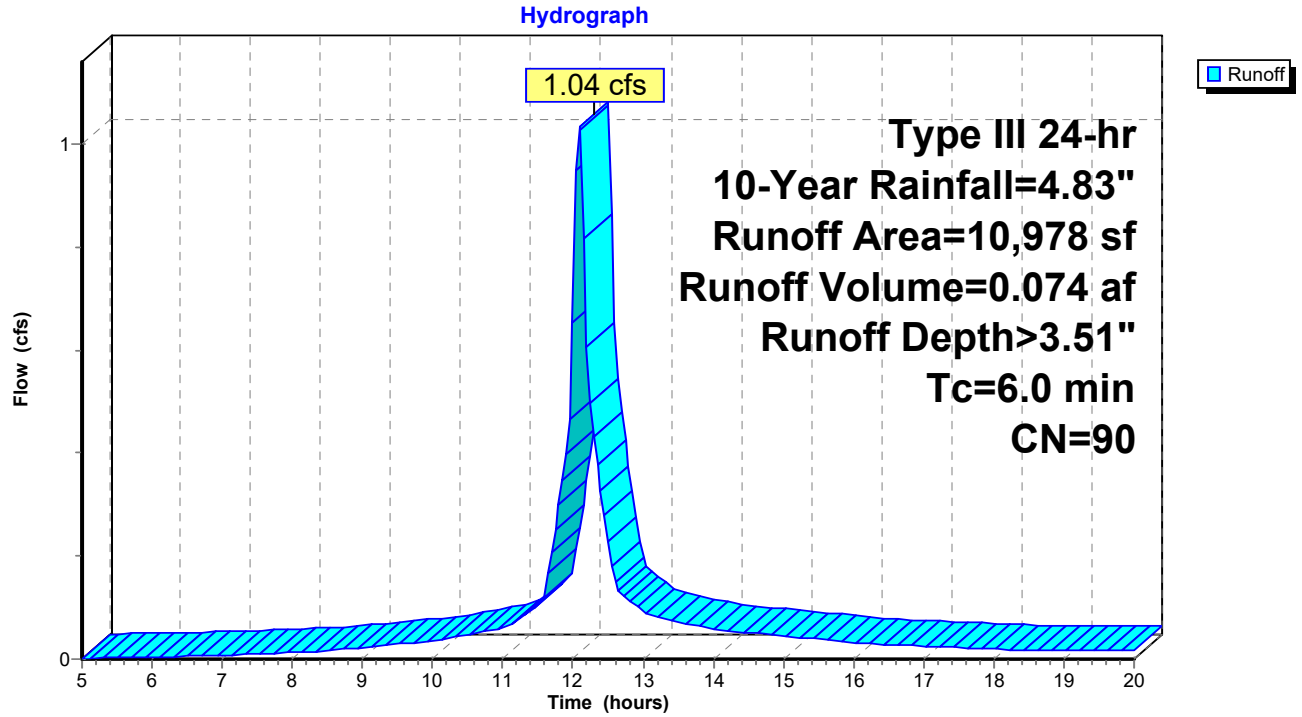
Runoff = 1.04 cfs @ 12.09 hrs, Volume= 0.074 af, Depth> 3.51"
Routed to Pond 73P : CB 64

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,800	98	Unconnected roofs, HSG C
3,751	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
10,978	90	Weighted Average
3,751		34.17% Pervious Area
7,227		65.83% Impervious Area
2,800		38.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 71S: P2A



Summary for Subcatchment 72S: P2B

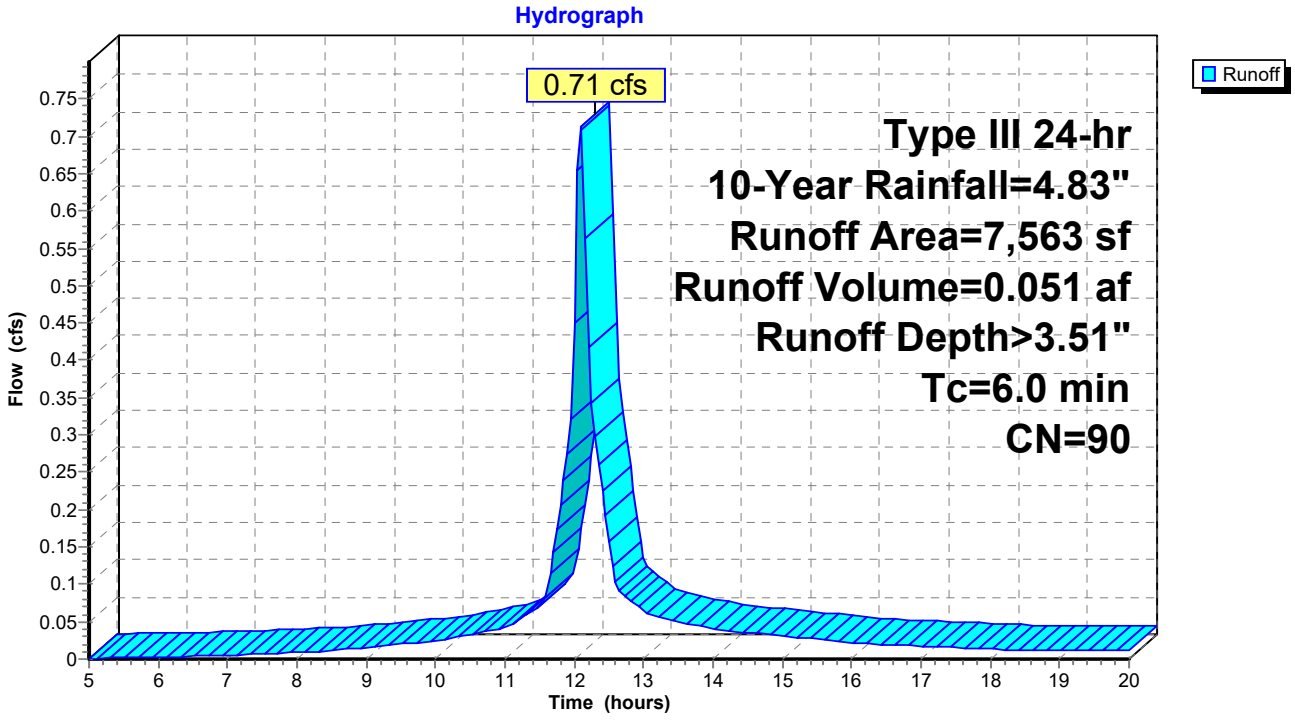
Runoff = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af, Depth> 3.51"
Routed to Pond 74P : CB 65

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,643	74	>75% Grass cover, Good, HSG C
4,920	98	Paved parking, HSG C
7,563	90	Weighted Average
2,643		34.95% Pervious Area
4,920		65.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 72S: P2B



Summary for Subcatchment 73S: P2G

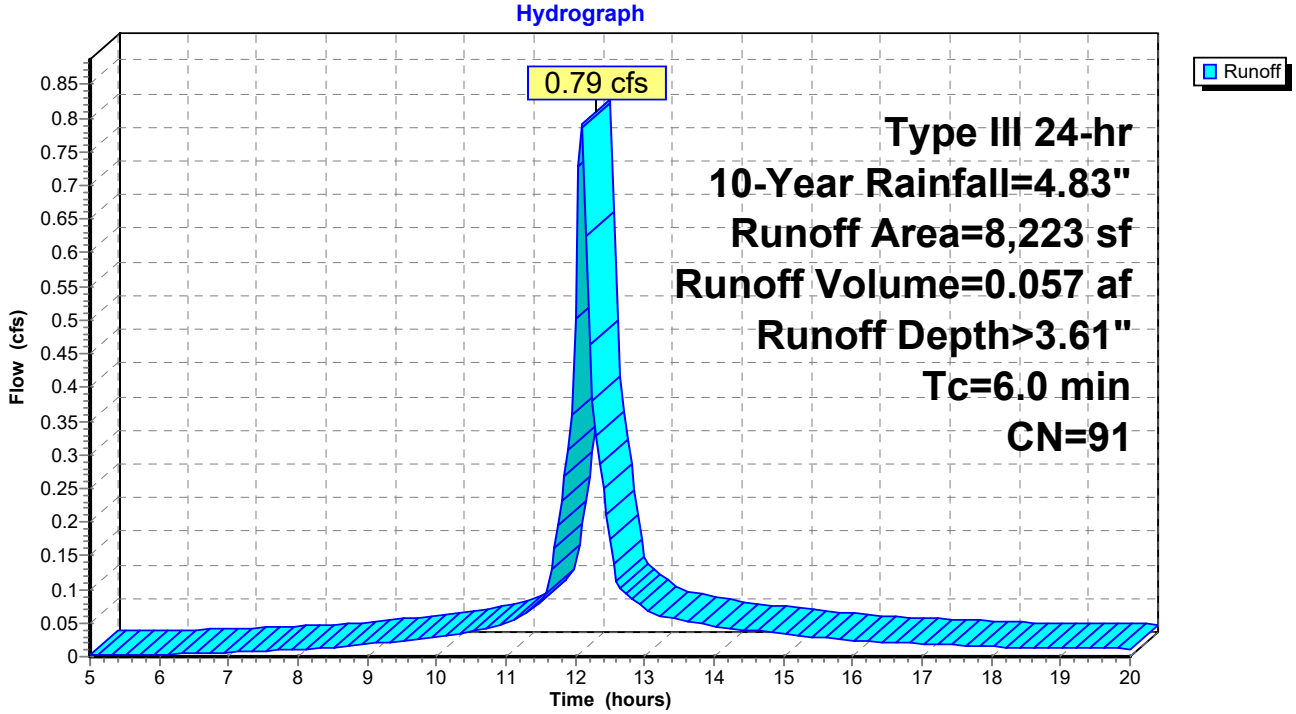
Runoff = 0.79 cfs @ 12.09 hrs, Volume= 0.057 af, Depth> 3.61"
Routed to Pond 76P : CB 70

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,345	74	>75% Grass cover, Good, HSG C
1,348	98	Unconnected roofs, HSG C
122	98	Unconnected roofs, HSG A
34	39	>75% Grass cover, Good, HSG A
673	98	Paved parking, HSG A
3,701	98	Paved parking, HSG C
8,223	91	Weighted Average
2,379		28.93% Pervious Area
5,844		71.07% Impervious Area
1,470		25.15% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 73S: P2G



Summary for Subcatchment 74S: P2H

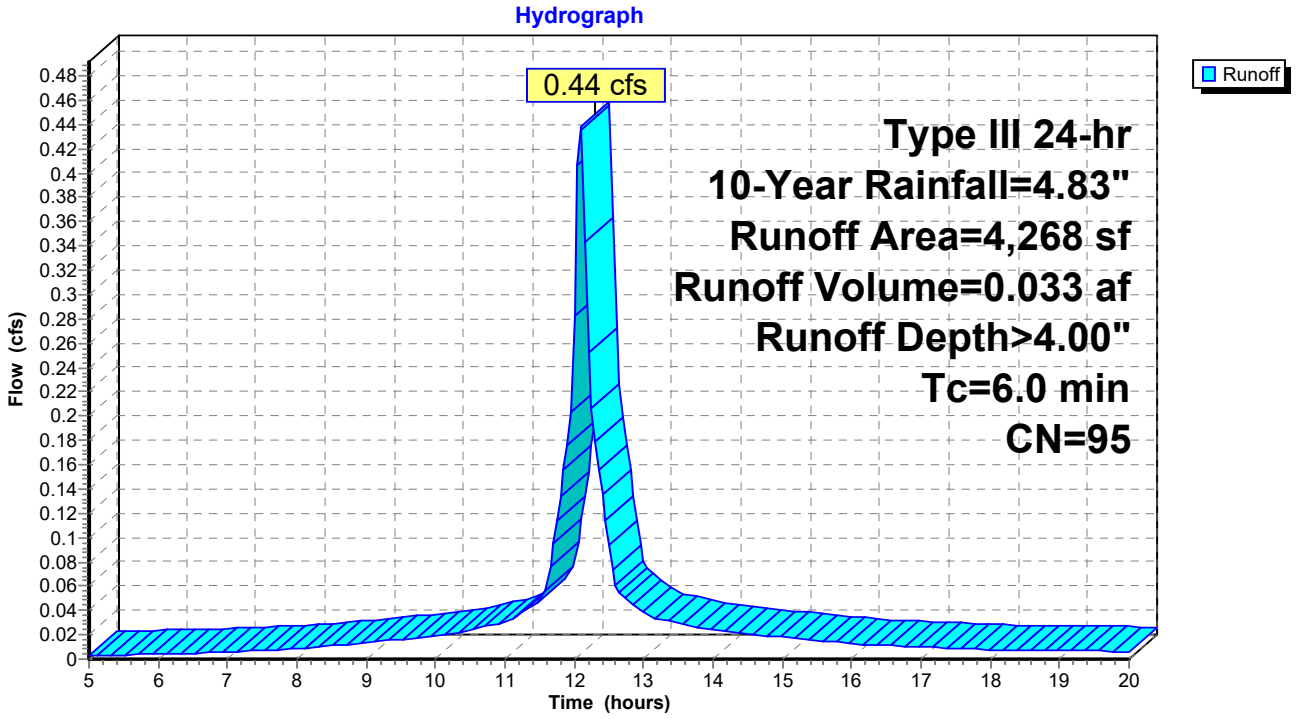
Runoff = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af, Depth> 4.00"
Routed to Pond 77P : CB 71

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
200	39	>75% Grass cover, Good, HSG A
610	98	Unconnected roofs, HSG A
3,458	98	Paved parking, HSG A
4,268	95	Weighted Average
200		4.69% Pervious Area
4,068		95.31% Impervious Area
610		15.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 74S: P2H



Summary for Subcatchment 75S: P3Q

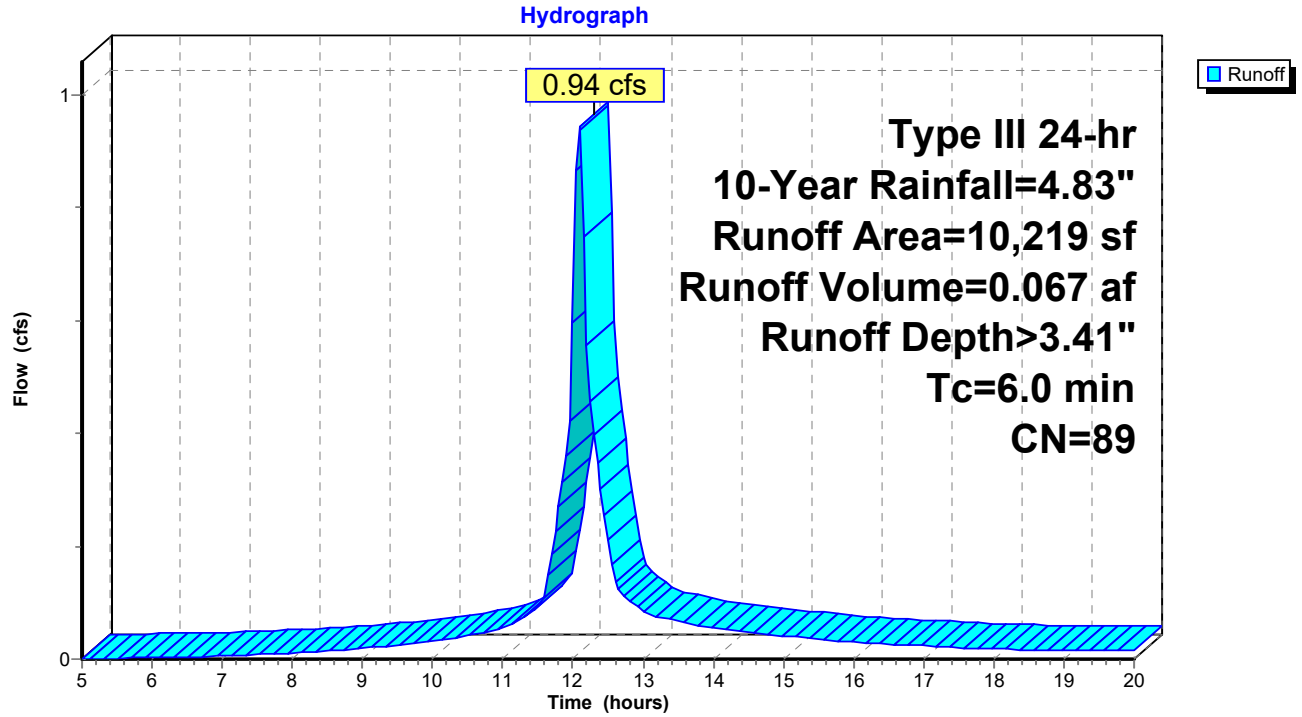
Runoff = 0.94 cfs @ 12.09 hrs, Volume= 0.067 af, Depth> 3.41"
Routed to Pond 107P : CB

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,641	74	>75% Grass cover, Good, HSG C
1,994	98	Unconnected roofs, HSG C
4,584	98	Paved parking, HSG C
10,219	89	Weighted Average
3,641		35.63% Pervious Area
6,578		64.37% Impervious Area
1,994		30.31% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 75S: P3Q



Summary for Subcatchment 76S: P3R

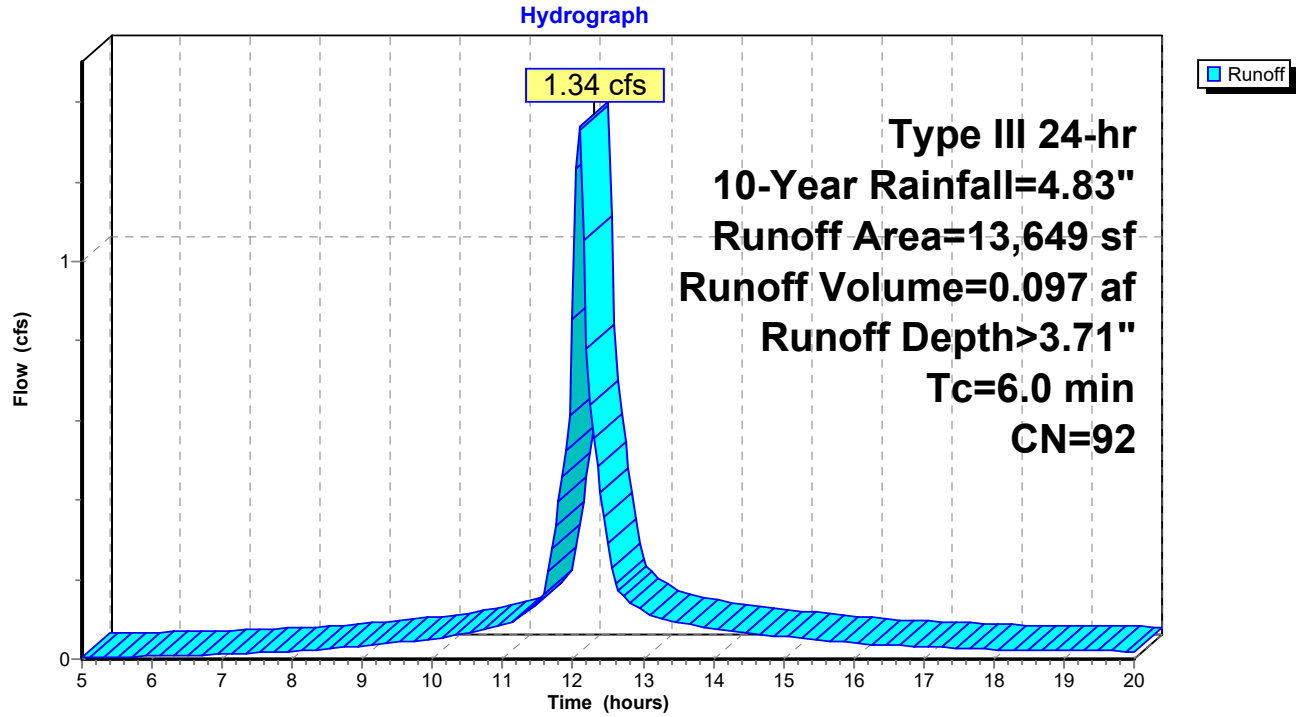
Runoff = 1.34 cfs @ 12.09 hrs, Volume= 0.097 af, Depth> 3.71"
Routed to Pond 103P : CB 92

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,162	74	>75% Grass cover, Good, HSG C
4,063	98	Unconnected roofs, HSG C
6,424	98	Paved parking, HSG C
13,649	92	Weighted Average
3,162		23.17% Pervious Area
10,487		76.83% Impervious Area
4,063		38.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 76S: P3R



Summary for Subcatchment 77S: P3S

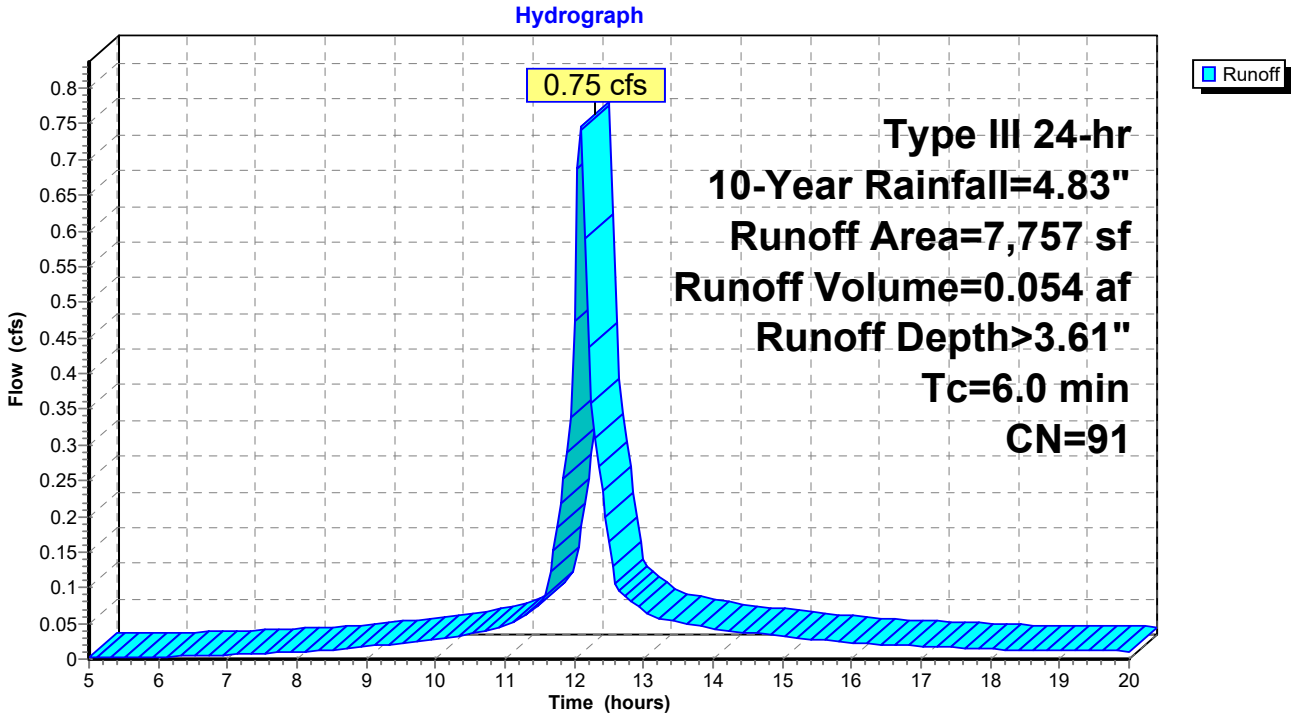
Runoff = 0.75 cfs @ 12.09 hrs, Volume= 0.054 af, Depth> 3.61"
Routed to Pond 102P : CB 93

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,358	74	>75% Grass cover, Good, HSG C
702	98	Unconnected roofs, HSG C
4,697	98	Paved parking, HSG C
7,757	91	Weighted Average
2,358		30.40% Pervious Area
5,399		69.60% Impervious Area
702		13.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 77S: P3S



Summary for Subcatchment 78S: P1S

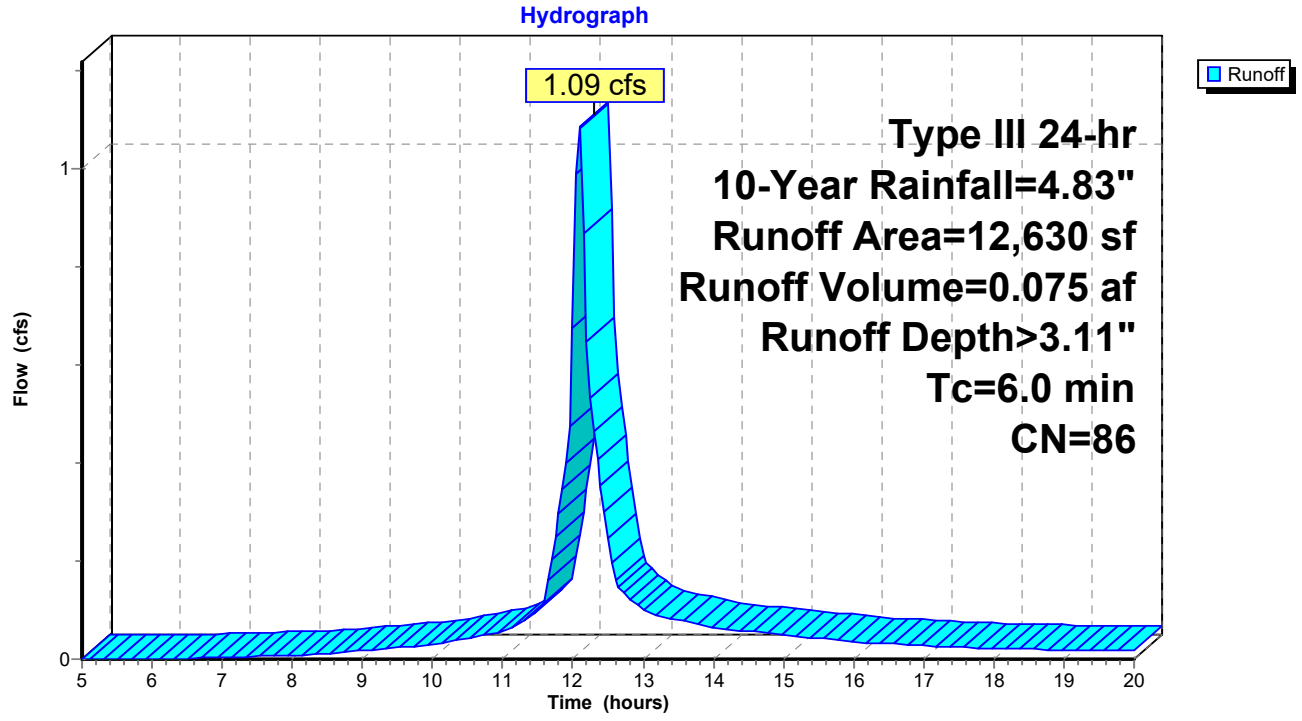
Runoff = 1.09 cfs @ 12.09 hrs, Volume= 0.075 af, Depth> 3.11"
Routed to Pond 112P : CB 45

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
4,541	74	>75% Grass cover, Good, HSG C
2,275	98	Unconnected roofs, HSG C
693	39	>75% Grass cover, Good, HSG A
412	98	Paved parking, HSG A
4,709	98	Paved parking, HSG C
12,630	86	Weighted Average
5,234		41.44% Pervious Area
7,396		58.56% Impervious Area
2,275		30.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 78S: P1S



Summary for Subcatchment 79S: P1T

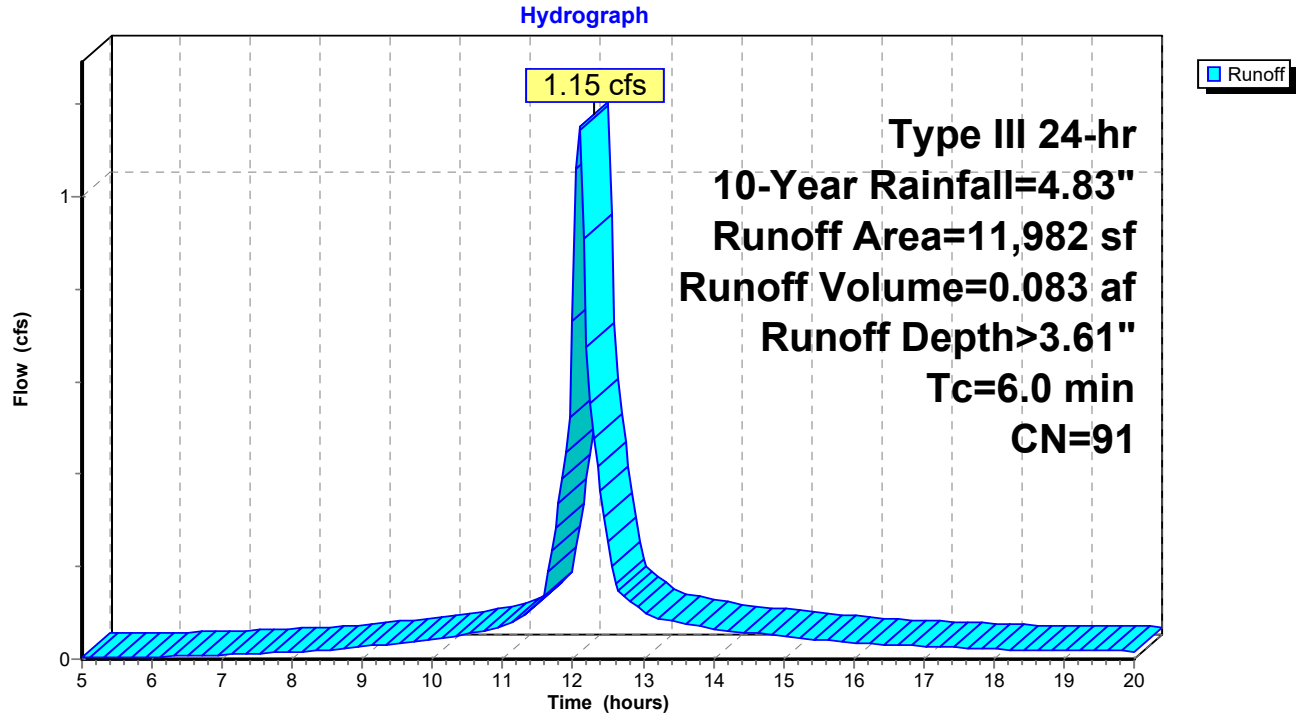
Runoff = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af, Depth> 3.61"
Routed to Pond 122P : CB 46

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,187	74	>75% Grass cover, Good, HSG C
2,930	98	Unconnected roofs, HSG C
118	39	>75% Grass cover, Good, HSG A
214	98	Paved parking, HSG A
5,533	98	Paved parking, HSG C
11,982	91	Weighted Average
3,305		27.58% Pervious Area
8,677		72.42% Impervious Area
2,930		33.77% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 79S: P1T



Summary for Subcatchment 80S: P3KK

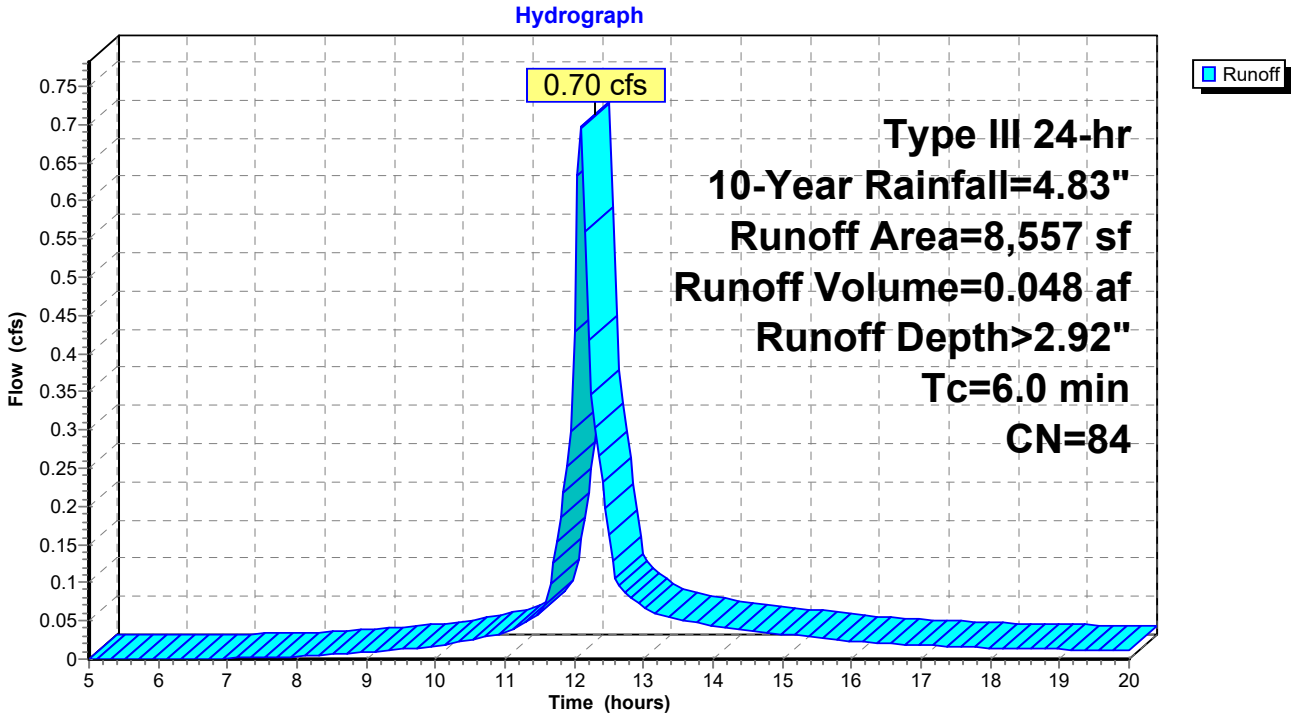
Runoff = 0.70 cfs @ 12.09 hrs, Volume= 0.048 af, Depth> 2.92"
Routed to Pond 125P : CB 36

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,989	39	>75% Grass cover, Good, HSG A
4,268	98	Unconnected roofs, HSG A
2,300	98	Paved parking, HSG A
8,557	84	Weighted Average
1,989		23.24% Pervious Area
6,568		76.76% Impervious Area
4,268		64.98% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 80S: P3KK



Summary for Subcatchment 81S: P3LL

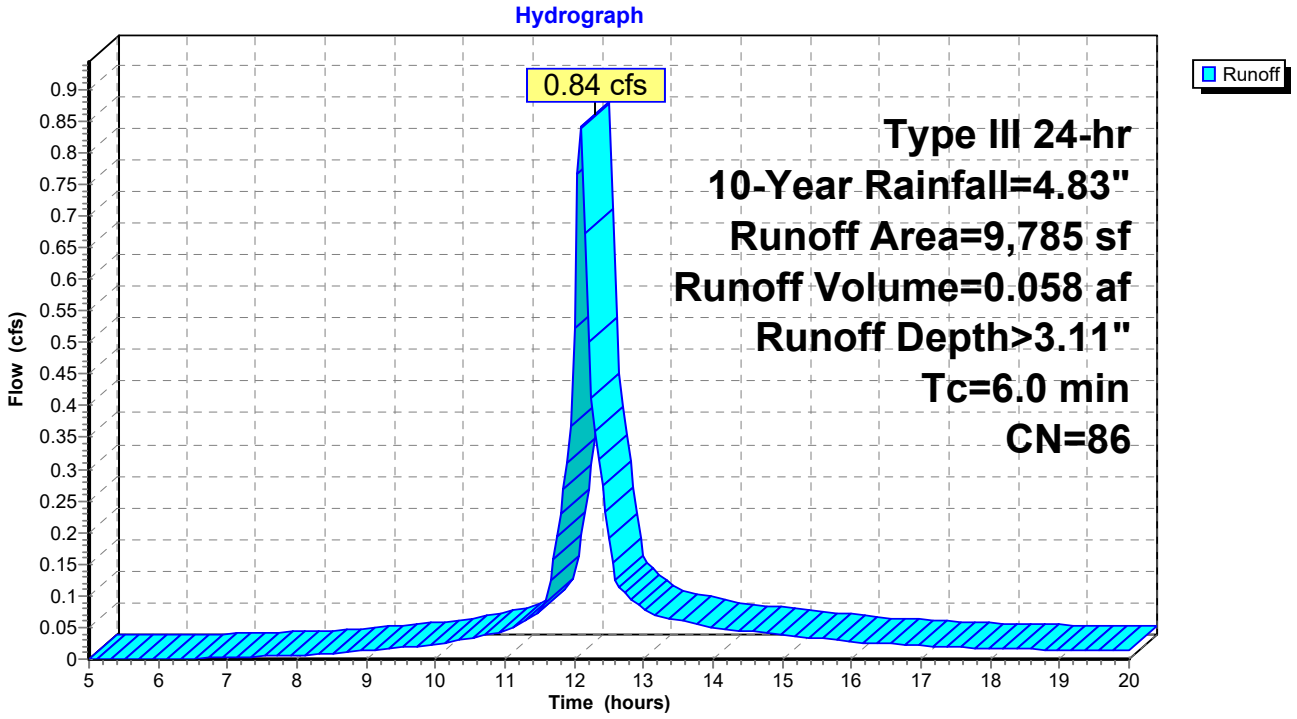
Runoff = 0.84 cfs @ 12.09 hrs, Volume= 0.058 af, Depth> 3.11"
Routed to Pond 126P : CB 37

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,037	39	>75% Grass cover, Good, HSG A
4,991	98	Unconnected roofs, HSG A
2,757	98	Paved parking, HSG A
9,785	86	Weighted Average
2,037		20.82% Pervious Area
7,748		79.18% Impervious Area
4,991		64.42% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 81S: P3LL



Summary for Subcatchment 82S: P3SS

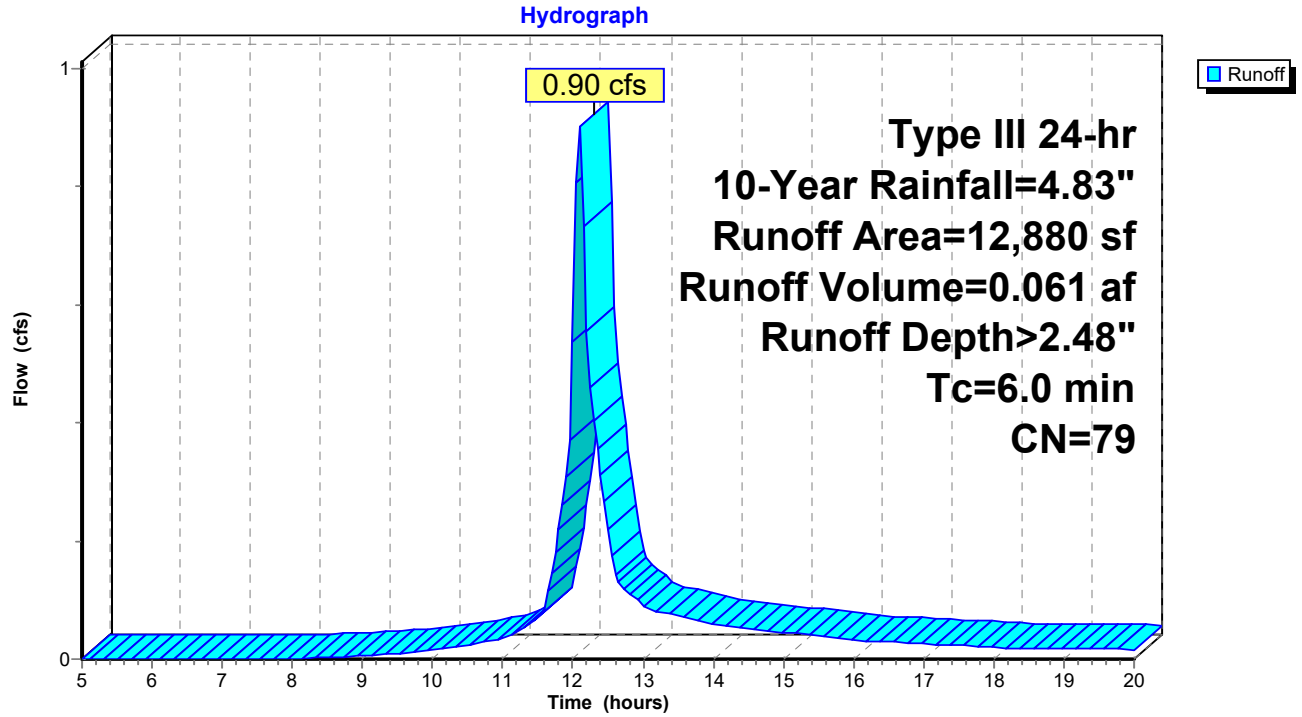
Runoff = 0.90 cfs @ 12.09 hrs, Volume= 0.061 af, Depth> 2.48"
Routed to Pond 128P : CB 30

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
4,180	39	>75% Grass cover, Good, HSG A
3,055	98	Unconnected roofs, HSG A
5,645	98	Paved parking, HSG A
12,880	79	Weighted Average
4,180		32.45% Pervious Area
8,700		67.55% Impervious Area
3,055		35.11% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 82S: P3SS



Summary for Subcatchment 83S: P2I

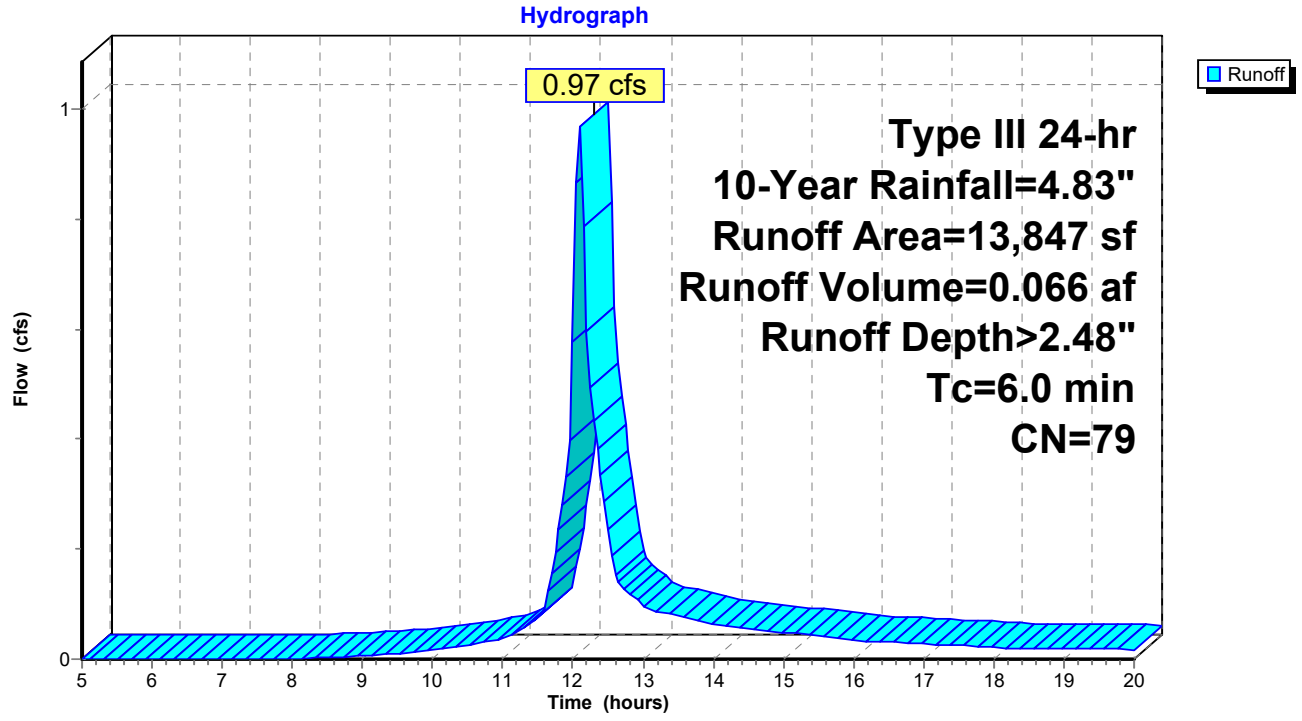
Runoff = 0.97 cfs @ 12.09 hrs, Volume= 0.066 af, Depth> 2.48"
Routed to Pond 82P : Constructed Wetland 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,861	39	>75% Grass cover, Good, HSG A
1,821	98	Unconnected roofs, HSG A
3,857	74	>75% Grass cover, Good, HSG C
597	98	Paved parking, HSG C
4,711	98	Paved parking, HSG A
13,847	79	Weighted Average
6,718		48.52% Pervious Area
7,129		51.48% Impervious Area
1,821		25.54% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 83S: P2I



Summary for Subcatchment 84S: P2AA

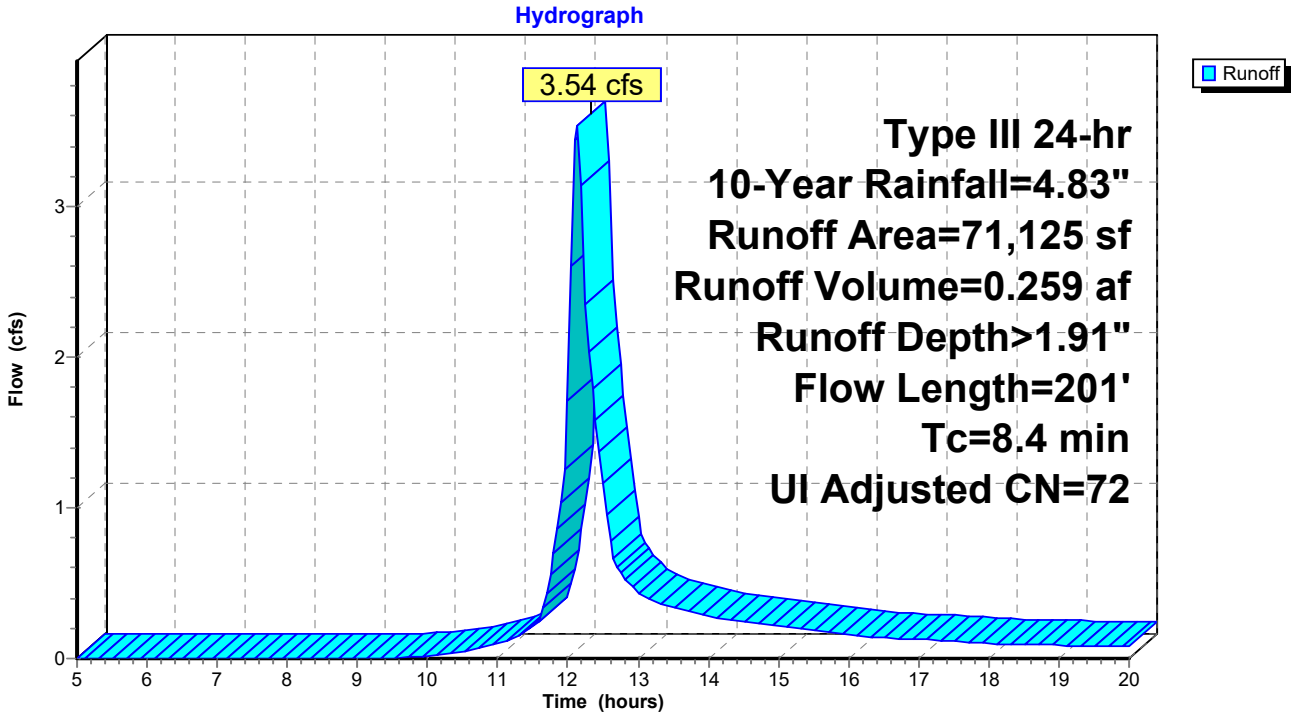
Runoff = 3.54 cfs @ 12.12 hrs, Volume= 0.259 af, Depth> 1.91"
Routed to Link 60L : DP 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
2,224	98		Unconnected roofs, HSG C
1,231	98		Unconnected pavement, HSG C
37,322	70		Woods, Good, HSG C
27,161	74		>75% Grass cover, Good, HSG C
242	98		Unconnected pavement, HSG A
1,399	39		>75% Grass cover, Good, HSG A
1,546	98		Unconnected roofs, HSG A
71,125	73	72	Weighted Average, UI Adjusted
65,882			92.63% Pervious Area
5,243			7.37% Impervious Area
5,243			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.7	50	0.0200	0.15		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
1.4	68	0.0140	0.83		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
0.4	57	0.1200	2.42		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
0.9	26	0.0100	0.50		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
8.4	201	Total			

Subcatchment 84S: P2AA



Summary for Subcatchment 85S: (new Subcat)

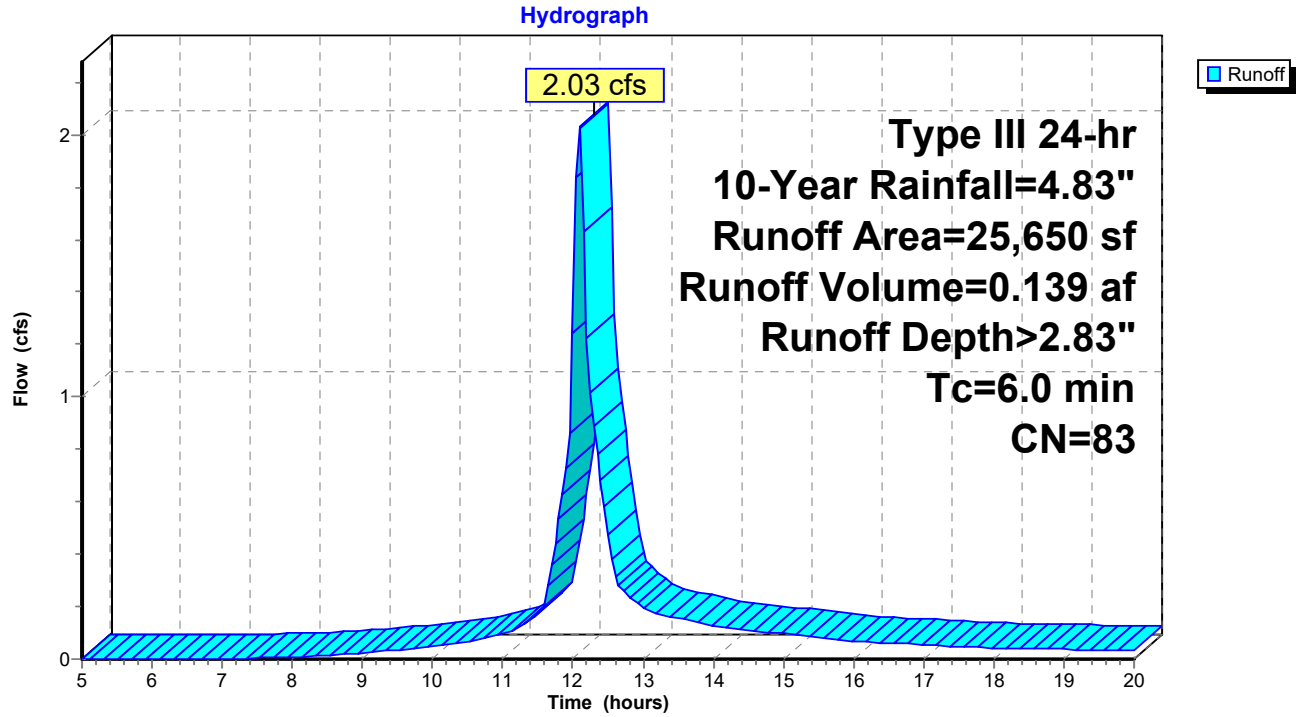
Runoff = 2.03 cfs @ 12.09 hrs, Volume= 0.139 af, Depth> 2.83"
Routed to Pond 86P : Sub. Inf. 6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
5,553	98	Roofs, HSG C
3,904	98	Unconnected pavement, HSG C
16,193	74	>75% Grass cover, Good, HSG C
25,650	83	Weighted Average
16,193		63.13% Pervious Area
9,457		36.87% Impervious Area
3,904		41.28% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 85S: (new Subcat)



Summary for Subcatchment 86S: P3TT

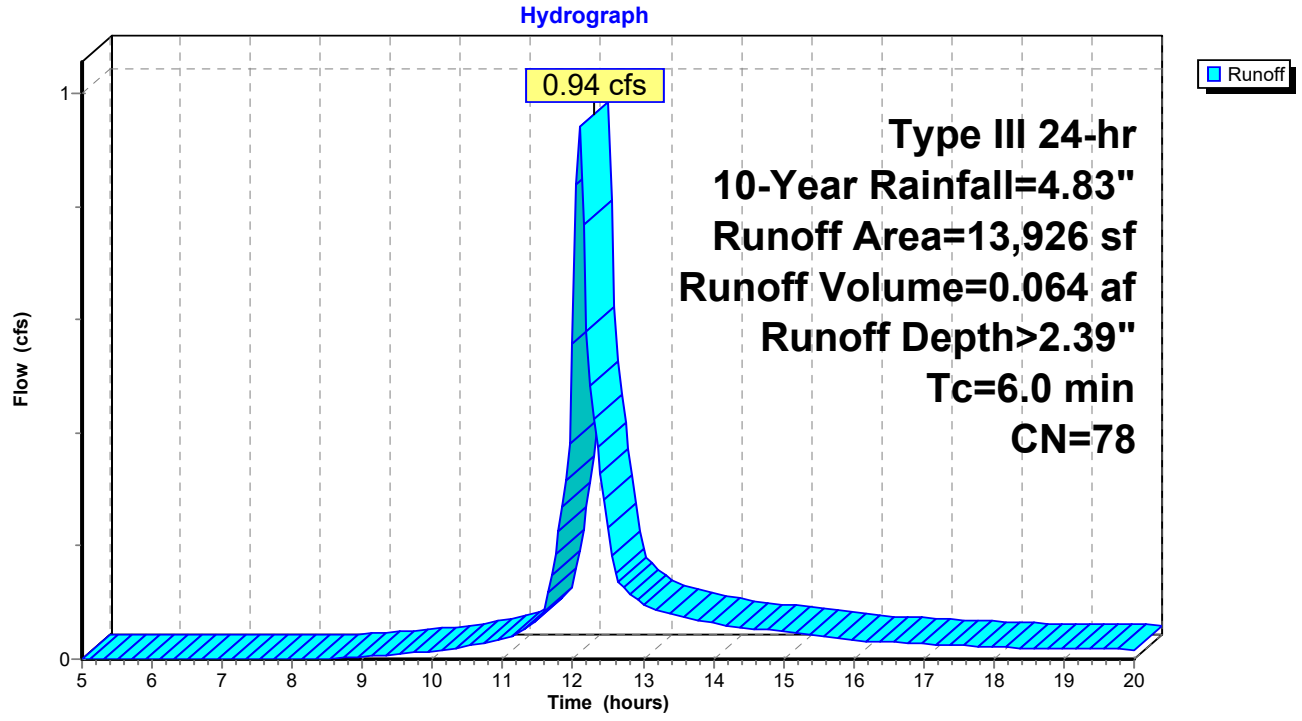
Runoff = 0.94 cfs @ 12.09 hrs, Volume= 0.064 af, Depth> 2.39"
Routed to Pond 140P : CB 31

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
956	98	Unconnected roofs, HSG C
672	74	>75% Grass cover, Good, HSG C
4,346	39	>75% Grass cover, Good, HSG A
1,468	98	Unconnected roofs, HSG A
6,484	98	Paved parking, HSG A
13,926	78	Weighted Average
5,018		36.03% Pervious Area
8,908		63.97% Impervious Area
2,424		27.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 86S: P3TT



Summary for Subcatchment 87S: P3A

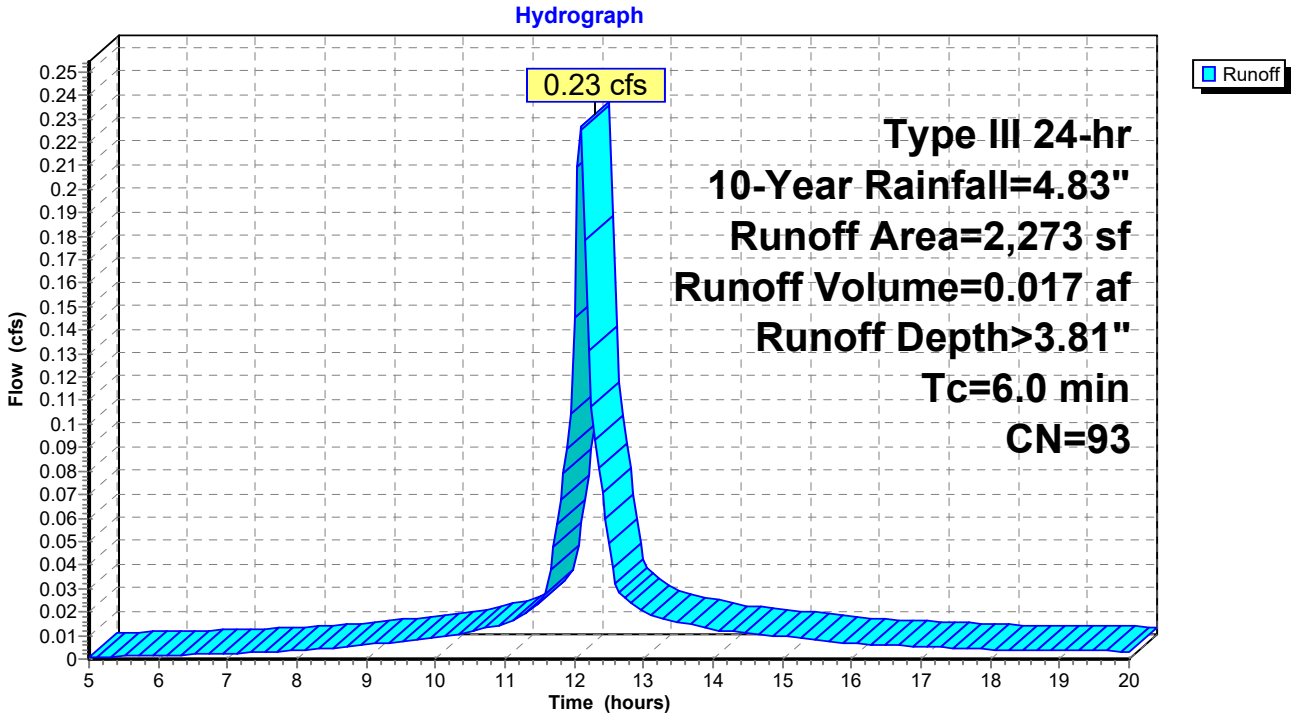
Runoff = 0.23 cfs @ 12.09 hrs, Volume= 0.017 af, Depth> 3.81"
Routed to Pond 89P : CB 74

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
450	74	>75% Grass cover, Good, HSG C
1,823	98	Paved parking, HSG C
2,273	93	Weighted Average
450		19.80% Pervious Area
1,823		80.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 87S: P3A



Summary for Subcatchment 88S: P3B

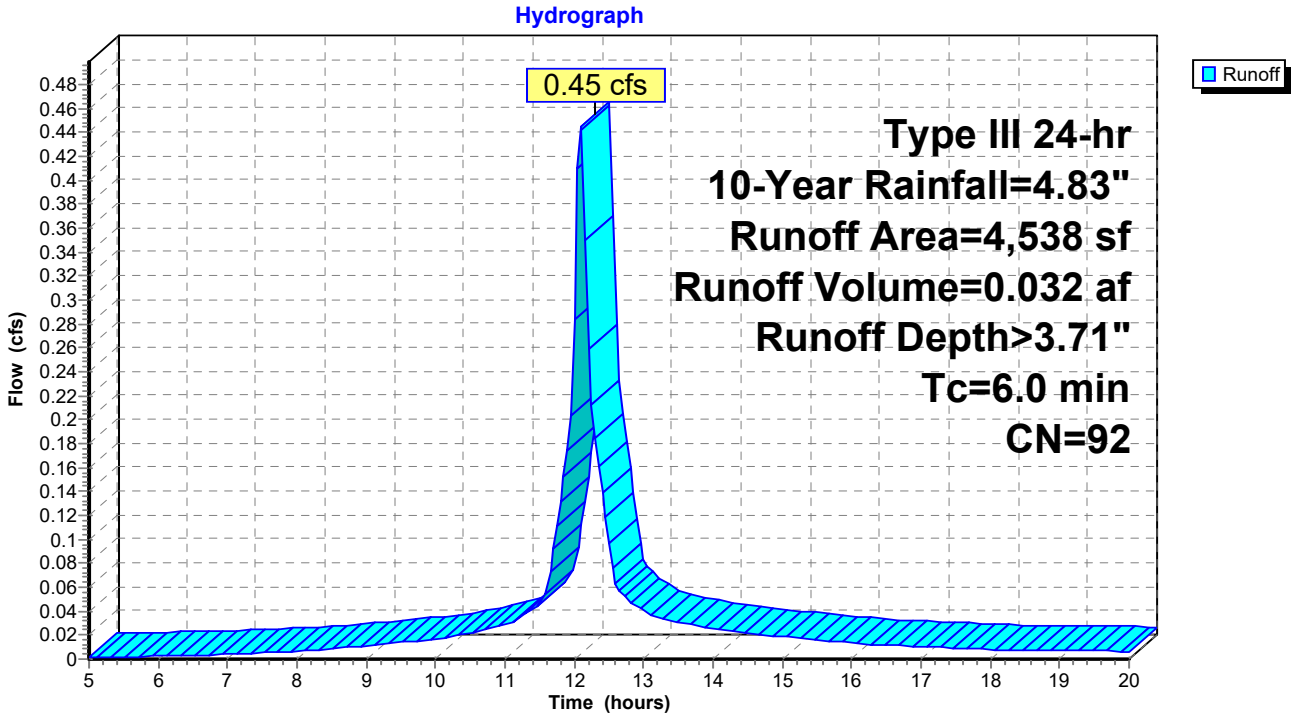
Runoff = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af, Depth> 3.71"
Routed to Pond 90P : CB 75

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,048	74	>75% Grass cover, Good, HSG C
1,562	98	Unconnected roofs, HSG C
1,928	98	Paved parking, HSG C
4,538	92	Weighted Average
1,048		23.09% Pervious Area
3,490		76.91% Impervious Area
1,562		44.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 88S: P3B



Summary for Subcatchment 89S: P3AAA

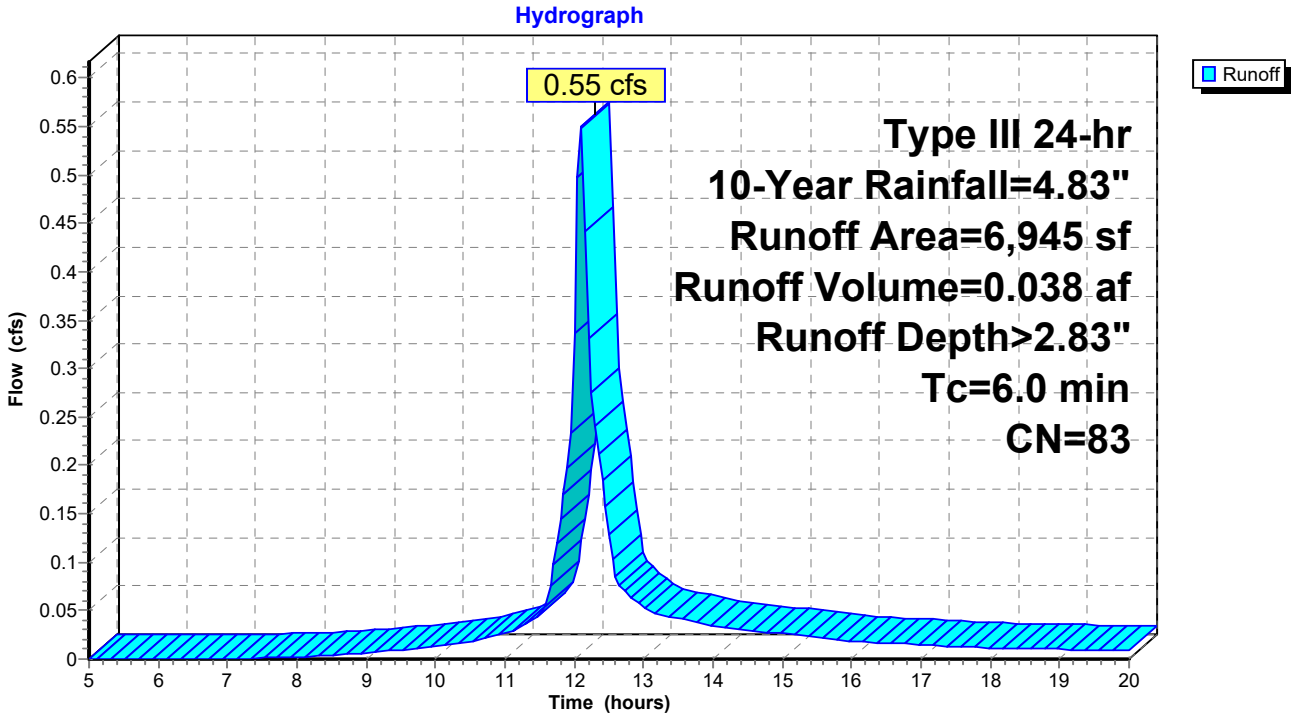
Runoff = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af, Depth> 2.83"
Routed to Pond 151P : CB 22

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,761	39	>75% Grass cover, Good, HSG A
5,184	98	Paved parking, HSG A
6,945	83	Weighted Average
1,761		25.36% Pervious Area
5,184		74.64% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 89S: P3AAA



Summary for Subcatchment 90S: P3BBB

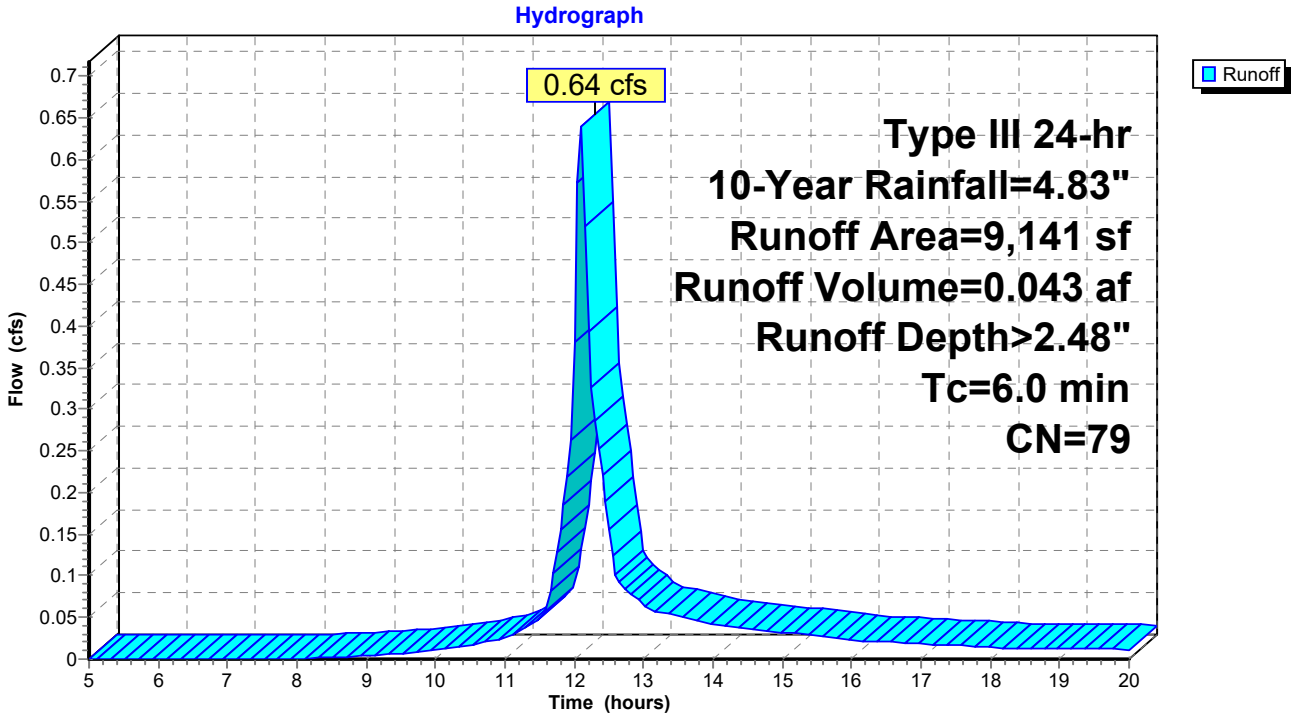
Runoff = 0.64 cfs @ 12.09 hrs, Volume= 0.043 af, Depth> 2.48"
Routed to Pond 152P : CB 23

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,961	39	>75% Grass cover, Good, HSG A
2,084	98	Unconnected roofs, HSG A
4,096	98	Paved parking, HSG A
9,141	79	Weighted Average
2,961		32.39% Pervious Area
6,180		67.61% Impervious Area
2,084		33.72% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 90S: P3BBB



Summary for Subcatchment 91S: P3GGG

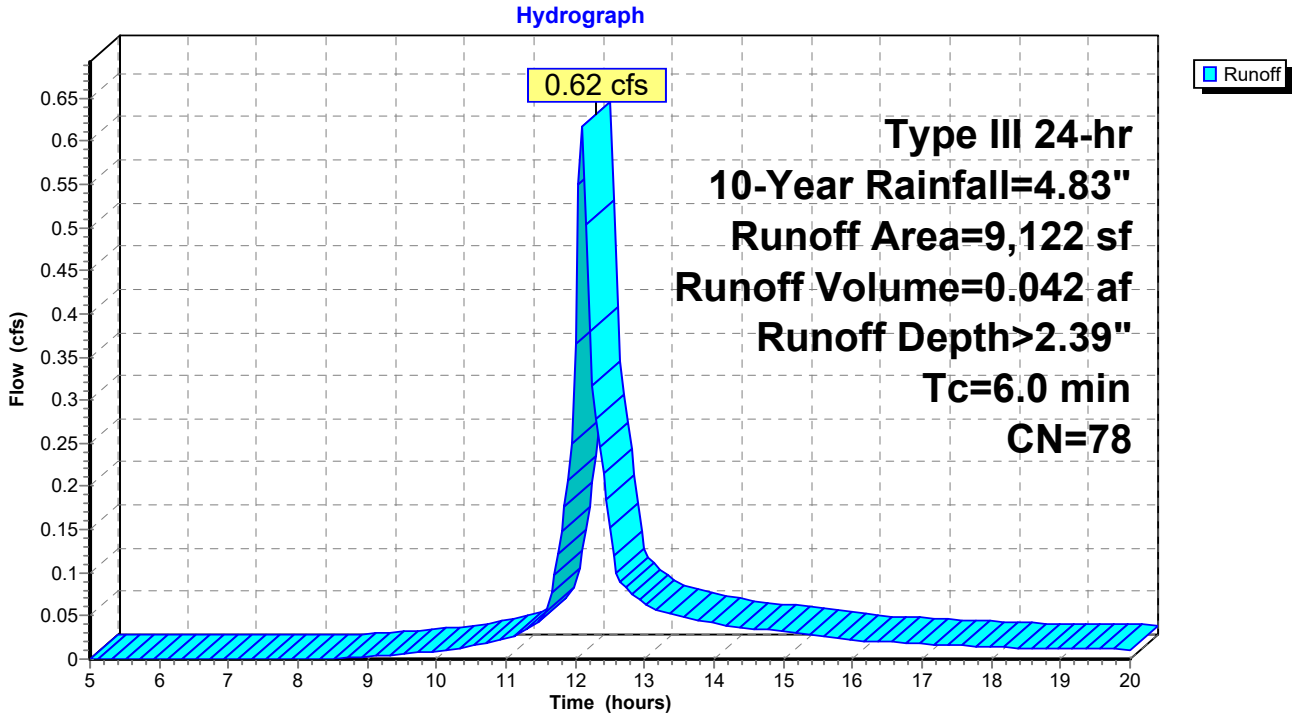
Runoff = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af, Depth> 2.39"
Routed to Pond 165P : CB 19

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,041	39	>75% Grass cover, Good, HSG A
3,271	98	Unconnected roofs, HSG A
2,810	98	Paved parking, HSG A
9,122	78	Weighted Average
3,041		33.34% Pervious Area
6,081		66.66% Impervious Area
3,271		53.79% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 91S: P3GGG



Summary for Subcatchment 92S: P3C

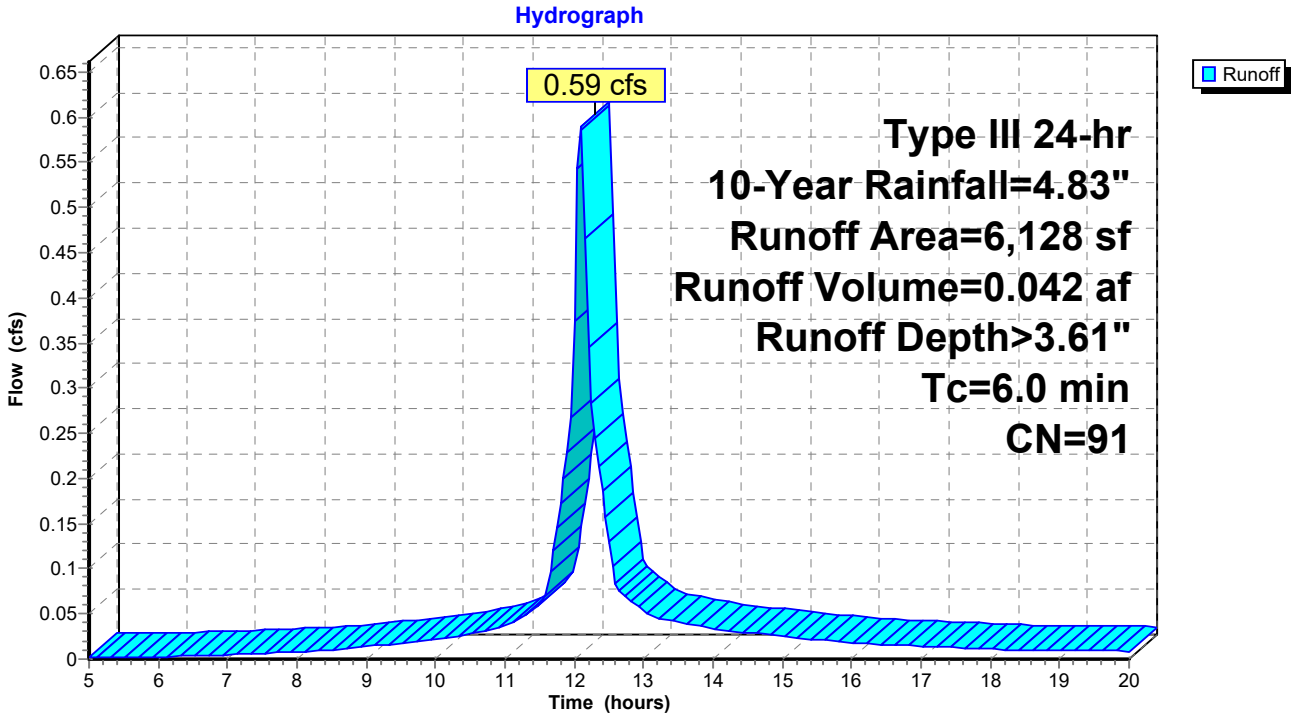
Runoff = 0.59 cfs @ 12.09 hrs, Volume= 0.042 af, Depth> 3.61"
Routed to Pond 95P : CB 76

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,796	74	>75% Grass cover, Good, HSG C
348	98	Unconnected roofs, HSG C
3,984	98	Paved parking, HSG C
6,128	91	Weighted Average
1,796		29.31% Pervious Area
4,332		70.69% Impervious Area
348		8.03% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 92S: P3C



Summary for Subcatchment 93S: P3D

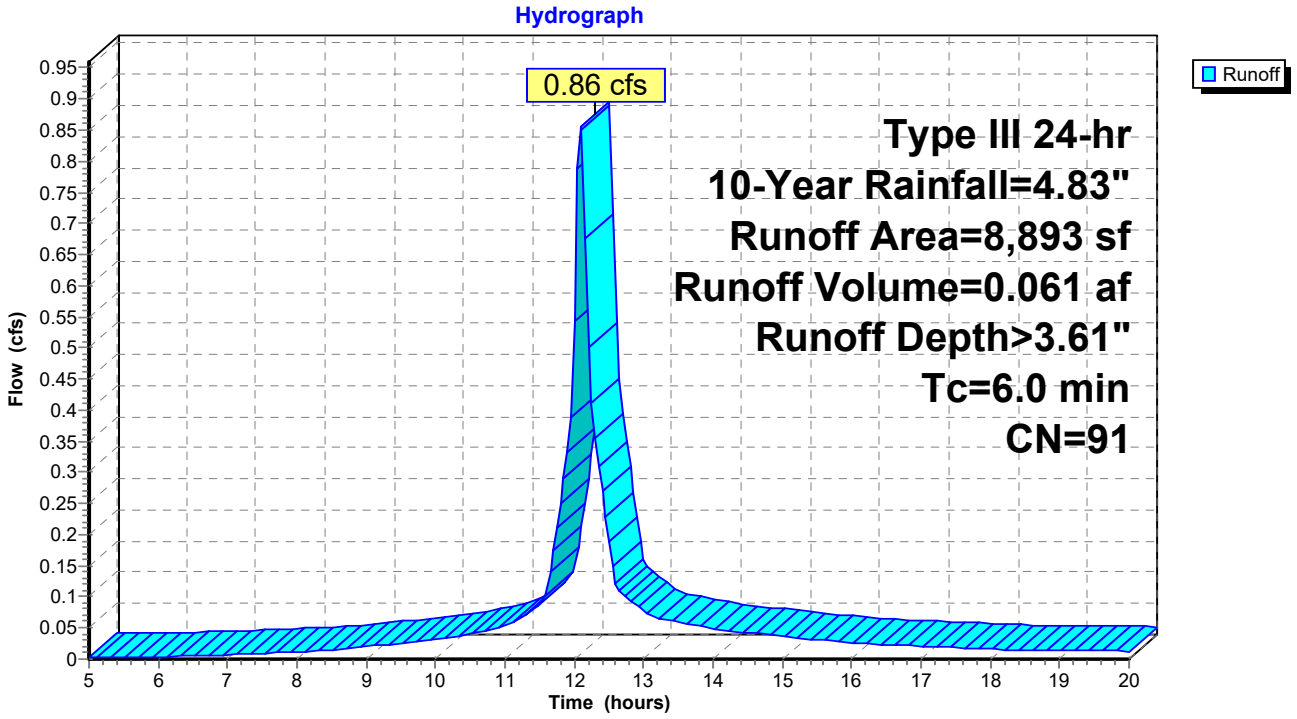
Runoff = 0.86 cfs @ 12.09 hrs, Volume= 0.061 af, Depth> 3.61"
Routed to Pond 94P : CB 77

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,560	74	>75% Grass cover, Good, HSG C
1,771	98	Unconnected roofs, HSG C
4,562	98	Paved parking, HSG C
8,893	91	Weighted Average
2,560		28.79% Pervious Area
6,333		71.21% Impervious Area
1,771		27.96% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 93S: P3D



Summary for Subcatchment 94S: P3HHH

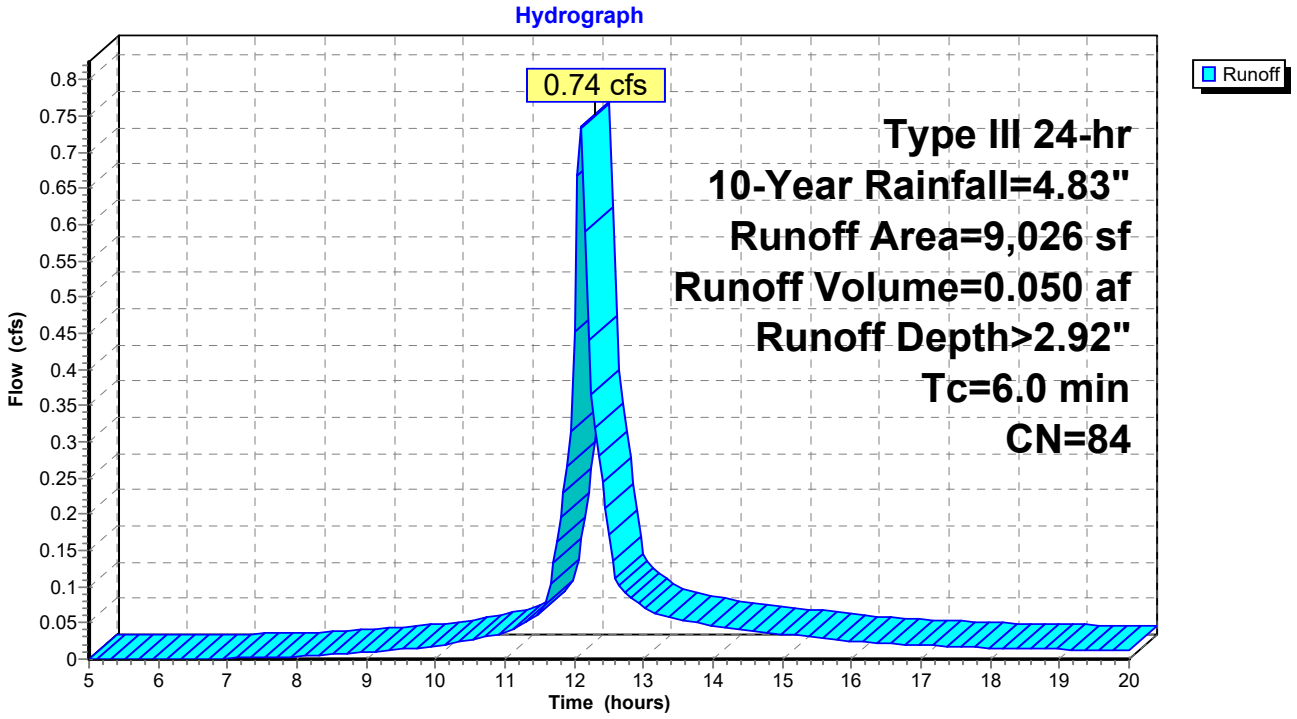
Runoff = 0.74 cfs @ 12.09 hrs, Volume= 0.050 af, Depth> 2.92"
Routed to Pond 154P : CB 18

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,098	39	>75% Grass cover, Good, HSG A
3,837	98	Unconnected roofs, HSG A
3,091	98	Paved parking, HSG A
9,026	84	Weighted Average
2,098		23.24% Pervious Area
6,928		76.76% Impervious Area
3,837		55.38% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 94S: P3HHH



Summary for Subcatchment 95S: P2X

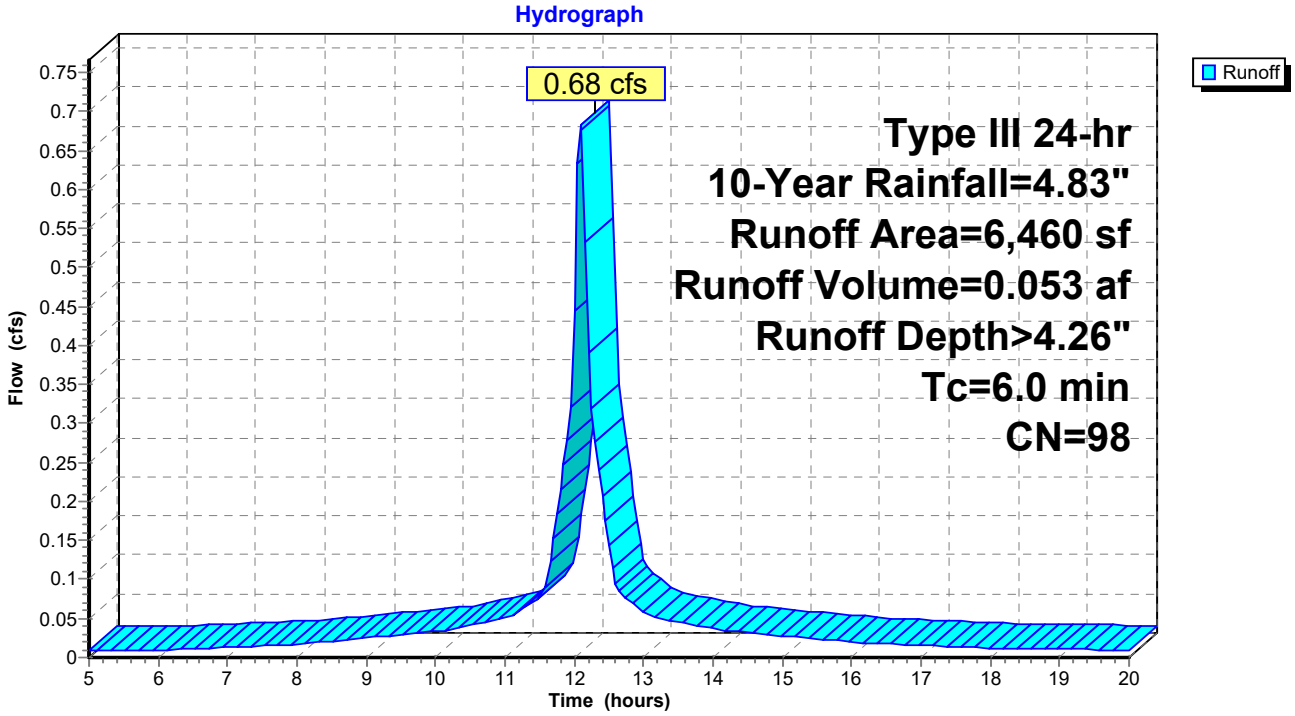
Runoff = 0.68 cfs @ 12.09 hrs, Volume= 0.053 af, Depth> 4.26"
Routed to Pond 79P : DMH 51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
6,460	98	Paved parking, HSG C
6,460		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 95S: P2X



Summary for Subcatchment 97S: P3G

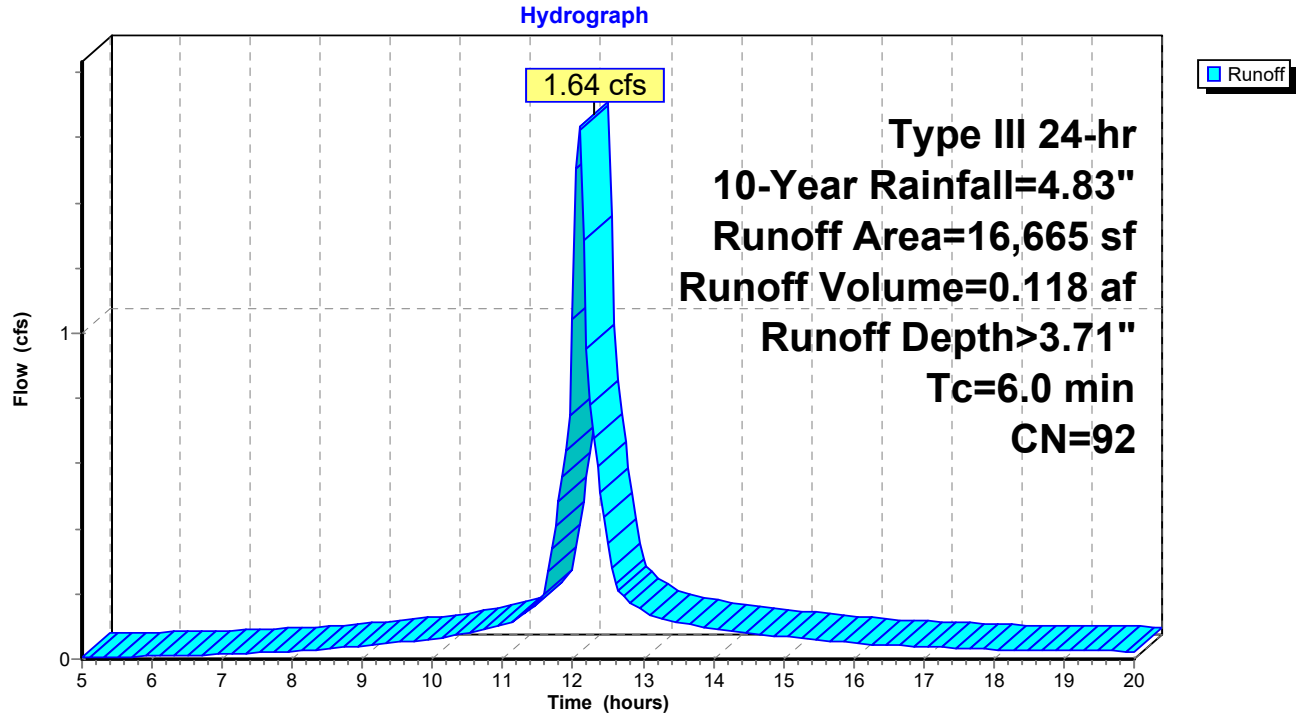
Runoff = 1.64 cfs @ 12.09 hrs, Volume= 0.118 af, Depth> 3.71"
Routed to Pond 100P : CB 80

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
4,471	74	>75% Grass cover, Good, HSG C
3,720	98	Unconnected roofs, HSG C
8,474	98	Paved parking, HSG C
16,665	92	Weighted Average
4,471		26.83% Pervious Area
12,194		73.17% Impervious Area
3,720		30.51% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 97S: P3G



Summary for Subcatchment 98S: P3H

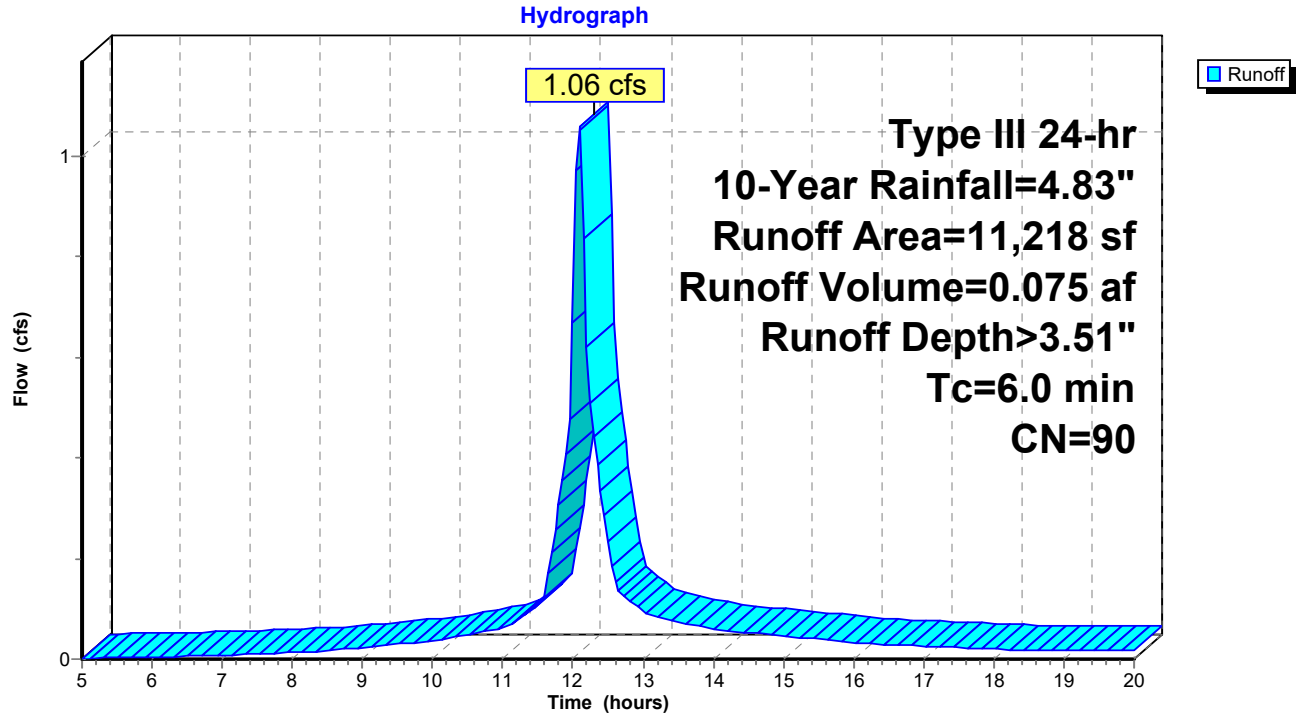
Runoff = 1.06 cfs @ 12.09 hrs, Volume= 0.075 af, Depth> 3.51"
Routed to Pond 99P : CB 81

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,581	74	>75% Grass cover, Good, HSG C
2,279	98	Unconnected roofs, HSG C
5,358	98	Paved parking, HSG C
11,218	90	Weighted Average
3,581		31.92% Pervious Area
7,637		68.08% Impervious Area
2,279		29.84% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 98S: P3H



Summary for Subcatchment 102S: P3J

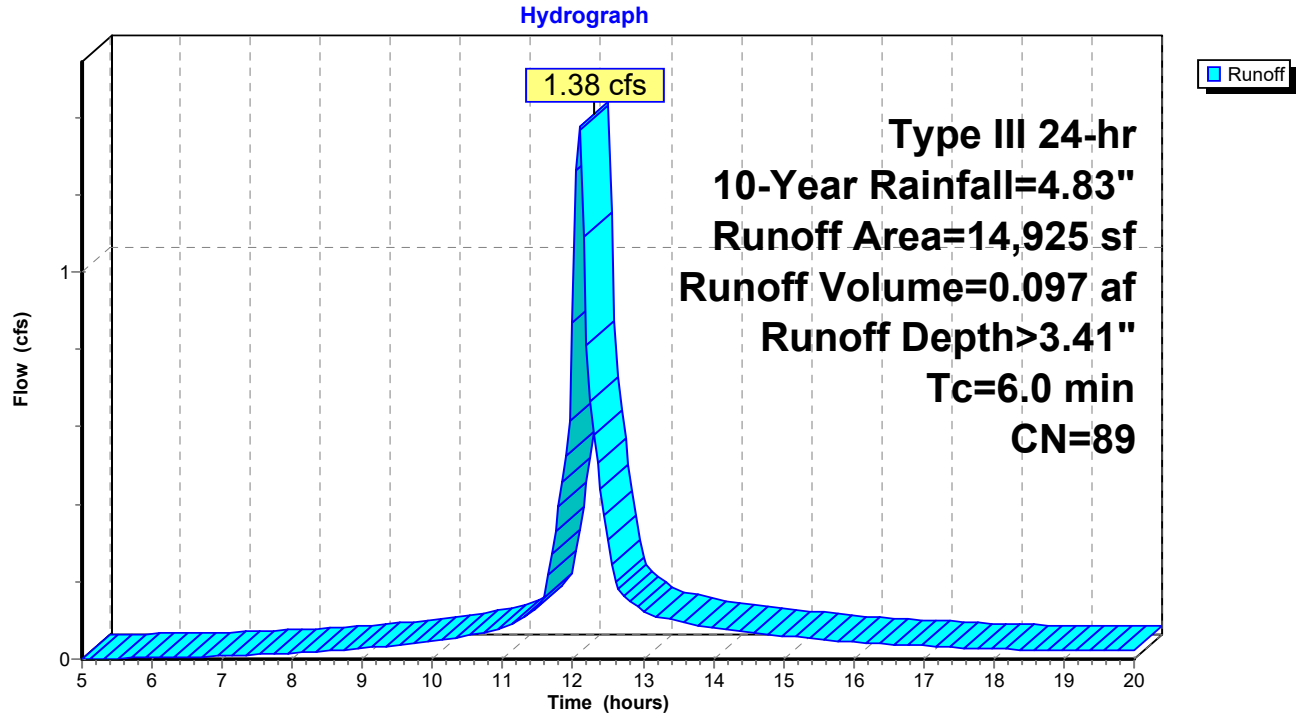
Runoff = 1.38 cfs @ 12.09 hrs, Volume= 0.097 af, Depth> 3.41"
Routed to Pond 104P : CB 83

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
5,342	74	>75% Grass cover, Good, HSG C
2,771	98	Unconnected roofs, HSG C
6,812	98	Paved parking, HSG C
14,925	89	Weighted Average
5,342		35.79% Pervious Area
9,583		64.21% Impervious Area
2,771		28.92% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 102S: P3J



Summary for Subcatchment 103S: P3I

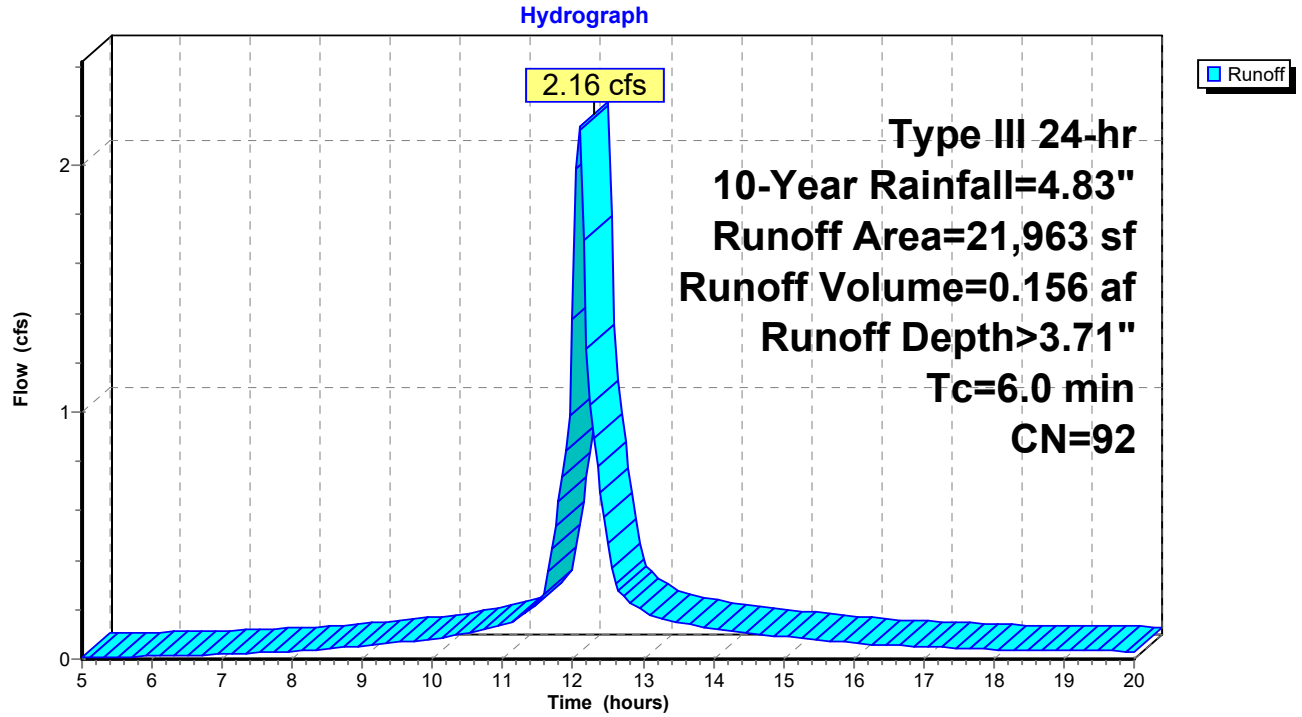
Runoff = 2.16 cfs @ 12.09 hrs, Volume= 0.156 af, Depth> 3.71"
Routed to Pond 105P : CB 82

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
5,534	74	>75% Grass cover, Good, HSG C
6,057	98	Unconnected roofs, HSG C
10,372	98	Paved parking, HSG C
21,963	92	Weighted Average
5,534		25.20% Pervious Area
16,429		74.80% Impervious Area
6,057		36.87% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 103S: P3I



Summary for Subcatchment 107S: P3E

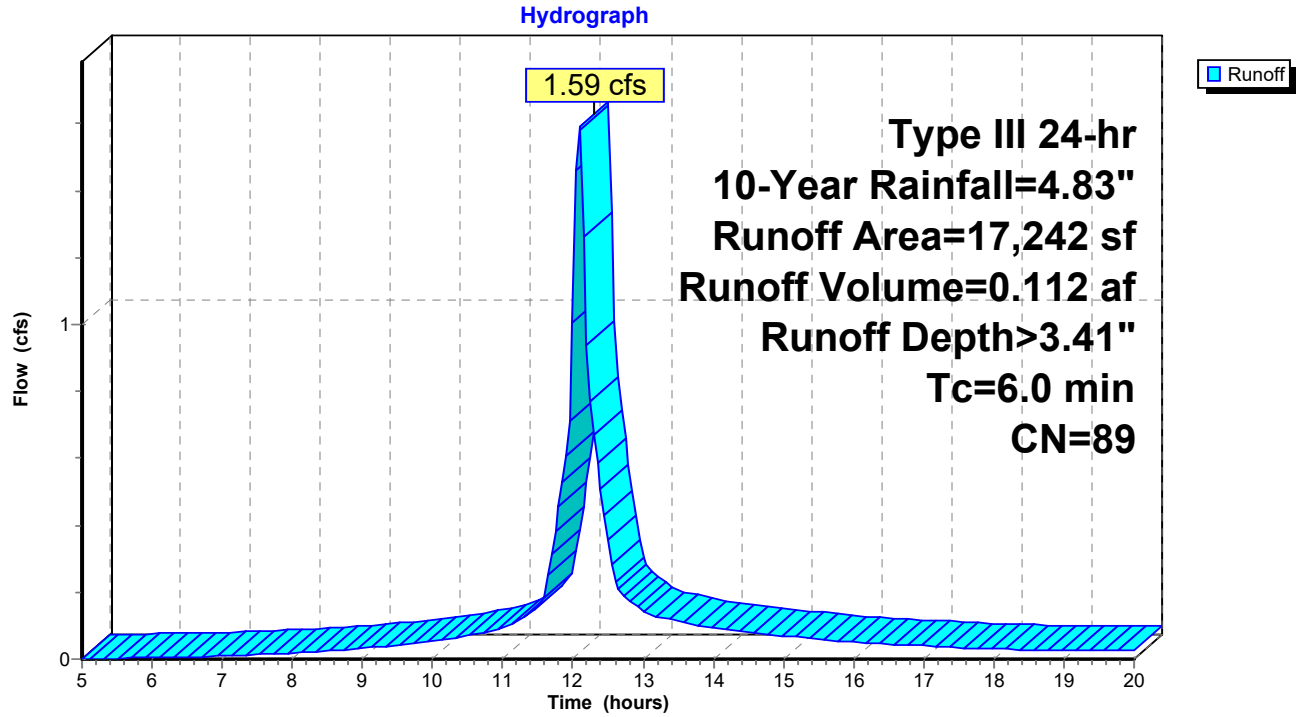
Runoff = 1.59 cfs @ 12.09 hrs, Volume= 0.112 af, Depth> 3.41"
Routed to Pond 110P : CB 78

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
6,163	74	>75% Grass cover, Good, HSG C
2,724	98	Unconnected roofs, HSG C
8,355	98	Paved parking, HSG C
17,242	89	Weighted Average
6,163		35.74% Pervious Area
11,079		64.26% Impervious Area
2,724		24.59% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 107S: P3E



Summary for Subcatchment 108S: P3F

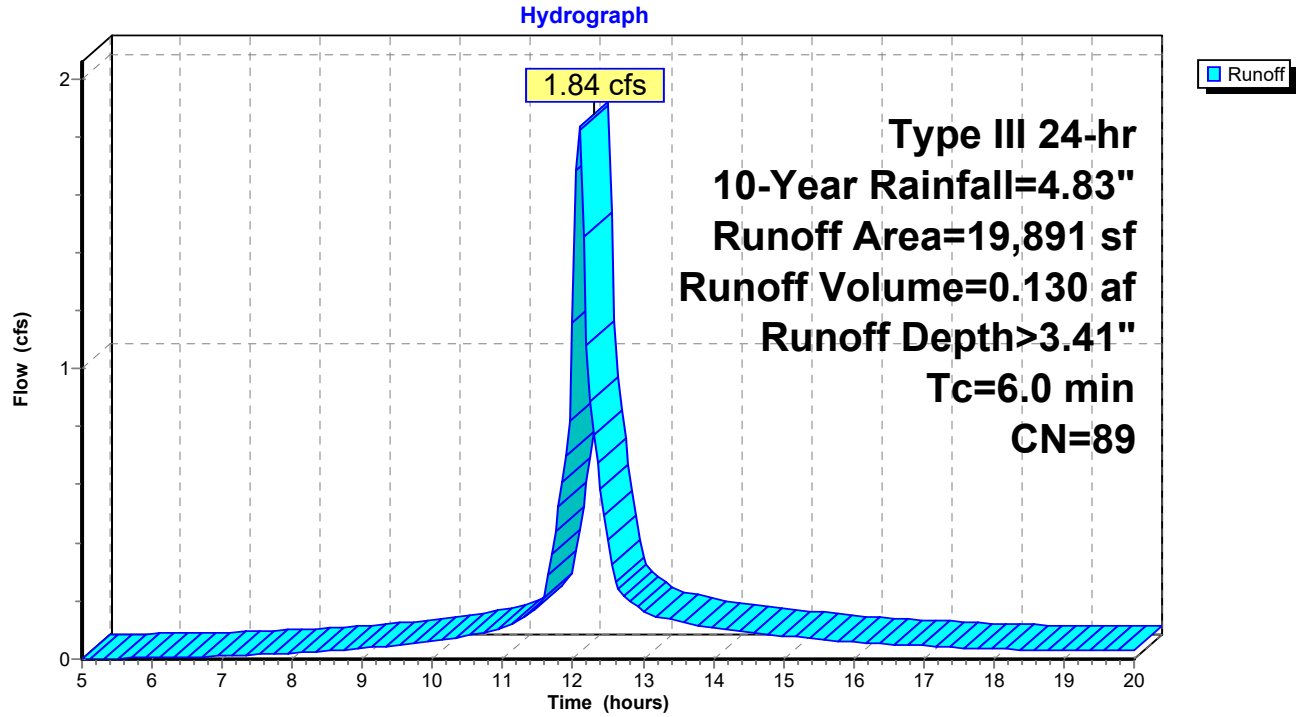
Runoff = 1.84 cfs @ 12.09 hrs, Volume= 0.130 af, Depth> 3.41"
Routed to Pond 109P : CB 79

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
7,073	74	>75% Grass cover, Good, HSG C
5,397	98	Unconnected roofs, HSG C
7,421	98	Paved parking, HSG C
19,891	89	Weighted Average
7,073		35.56% Pervious Area
12,818		64.44% Impervious Area
5,397		42.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 108S: P3F



Summary for Subcatchment 109S: P3T

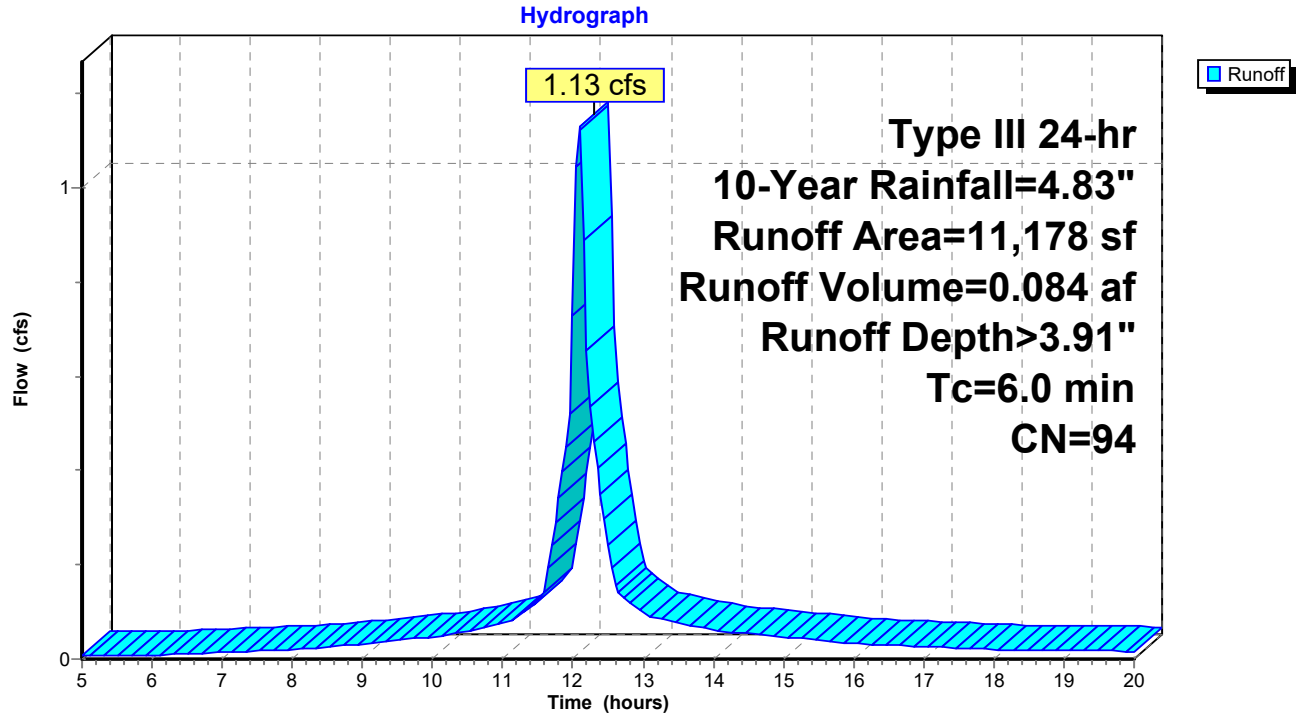
Runoff = 1.13 cfs @ 12.09 hrs, Volume= 0.084 af, Depth> 3.91"
Routed to Pond 116P : CB 90

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,856	74	>75% Grass cover, Good, HSG C
9,322	98	Paved parking, HSG C
11,178	94	Weighted Average
1,856		16.60% Pervious Area
9,322		83.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 109S: P3T



Summary for Subcatchment 110S: P3U

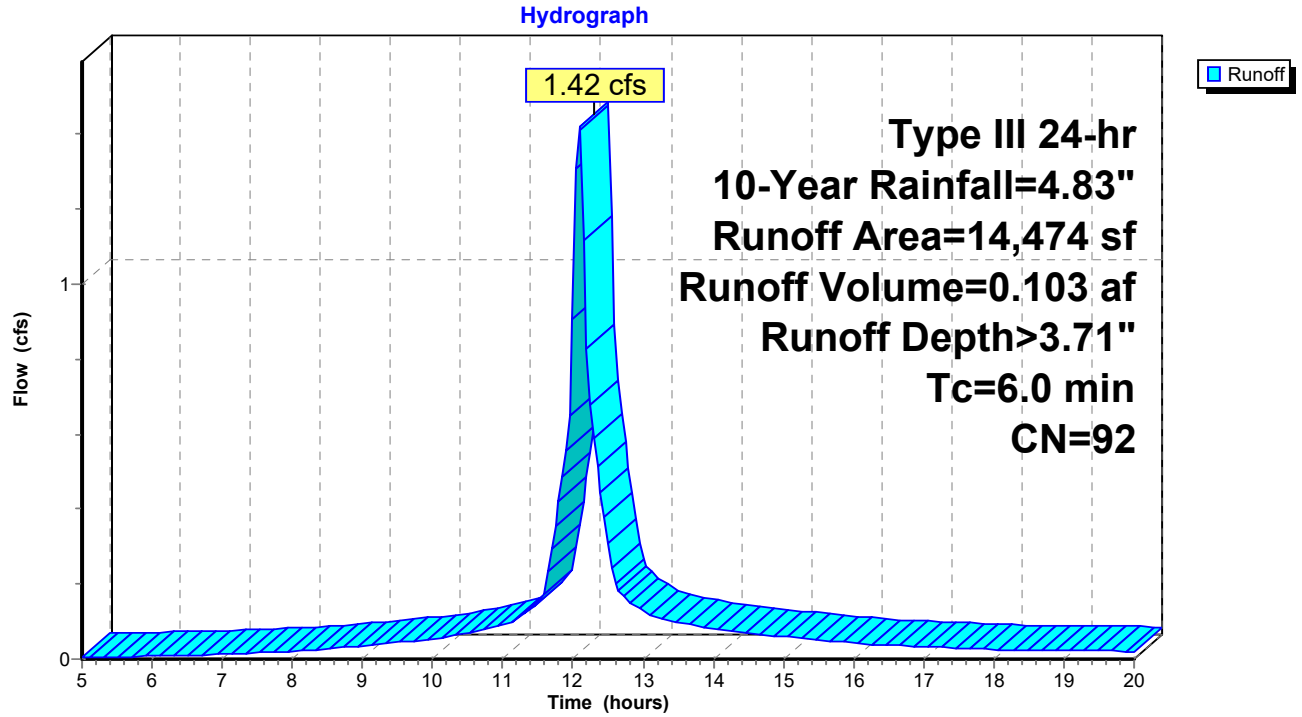
Runoff = 1.42 cfs @ 12.09 hrs, Volume= 0.103 af, Depth> 3.71"
Routed to Pond 115P : CB 91

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,423	74	>75% Grass cover, Good, HSG C
6,099	98	Unconnected roofs, HSG C
4,952	98	Paved parking, HSG C
14,474	92	Weighted Average
3,423		23.65% Pervious Area
11,051		76.35% Impervious Area
6,099		55.19% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 110S: P3U



Summary for Subcatchment 111S: P3V

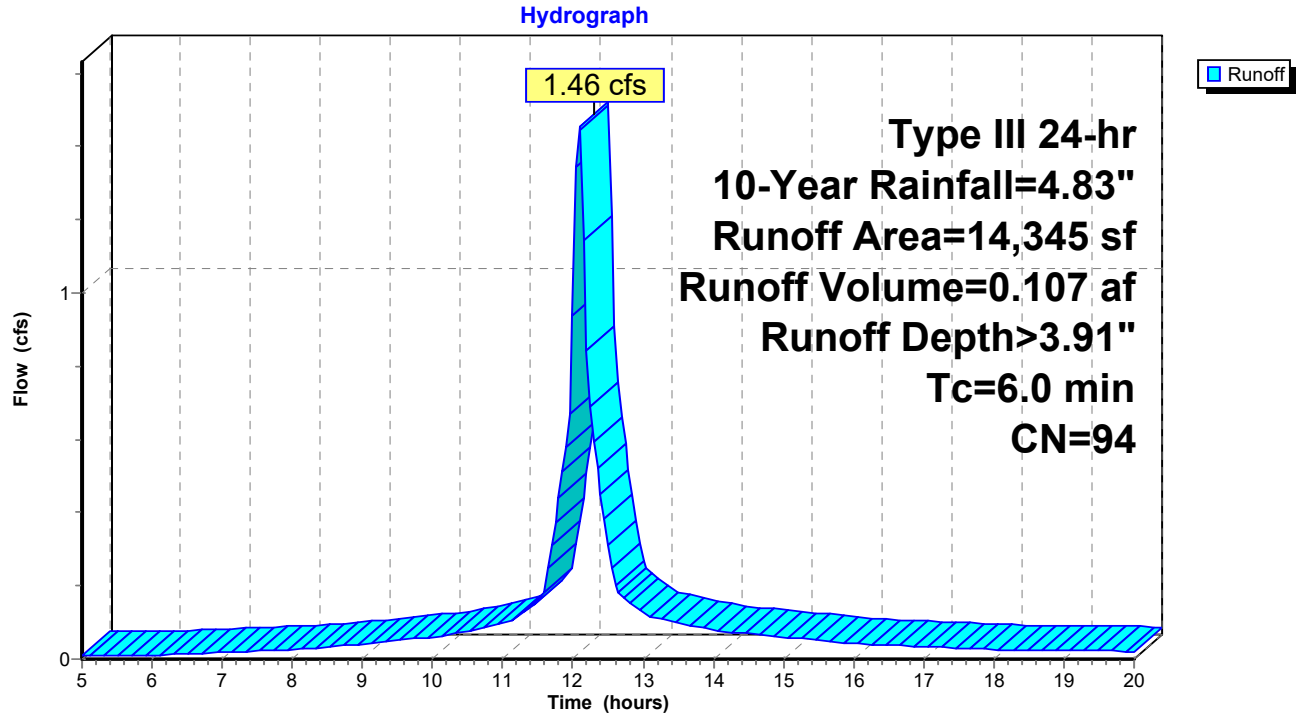
Runoff = 1.46 cfs @ 12.09 hrs, Volume= 0.107 af, Depth> 3.91"
Routed to Pond 114P : CB 94

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,512	74	>75% Grass cover, Good, HSG C
5,977	98	Unconnected roofs, HSG C
5,856	98	Paved parking, HSG C
14,345	94	Weighted Average
2,512		17.51% Pervious Area
11,833		82.49% Impervious Area
5,977		50.51% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 111S: P3V



Summary for Subcatchment 112S: P3W

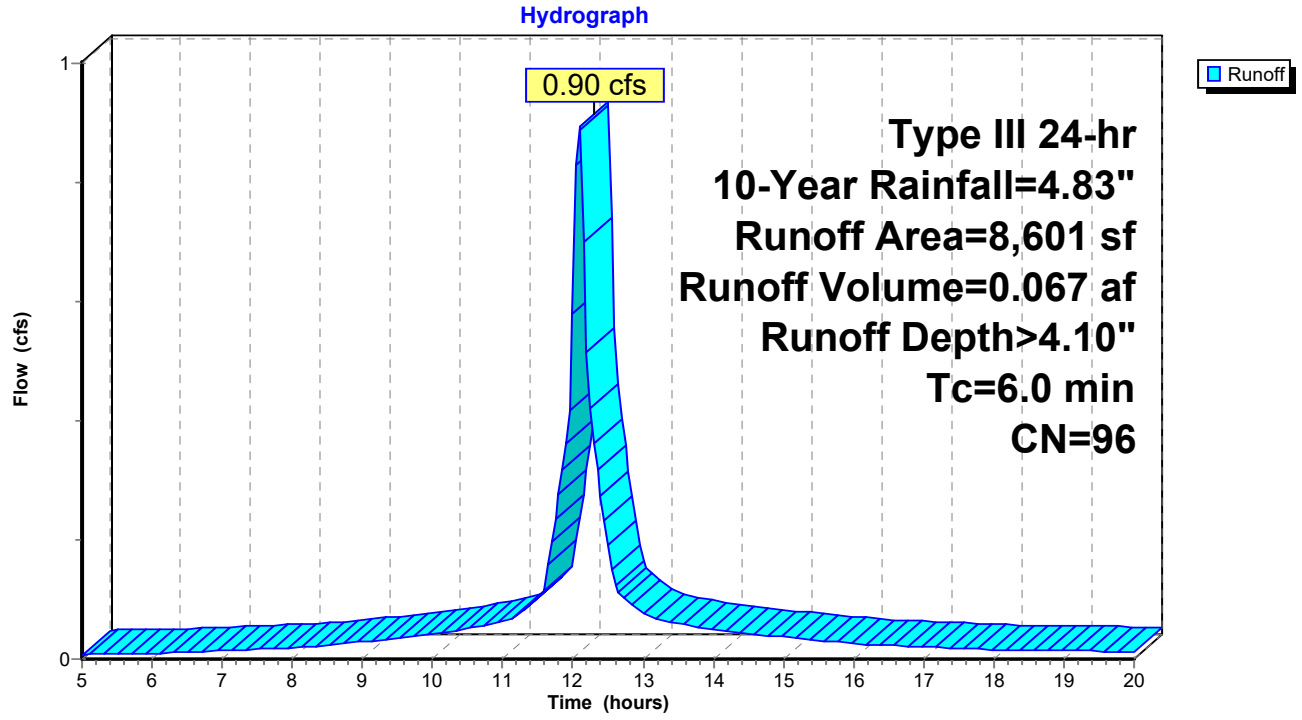
Runoff = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af, Depth> 4.10"
Routed to Pond 113P : CB 95

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
719	74	>75% Grass cover, Good, HSG C
7,882	98	Paved parking, HSG C
8,601	96	Weighted Average
719		8.36% Pervious Area
7,882		91.64% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 112S: P3W



Summary for Subcatchment 125S: P3EE

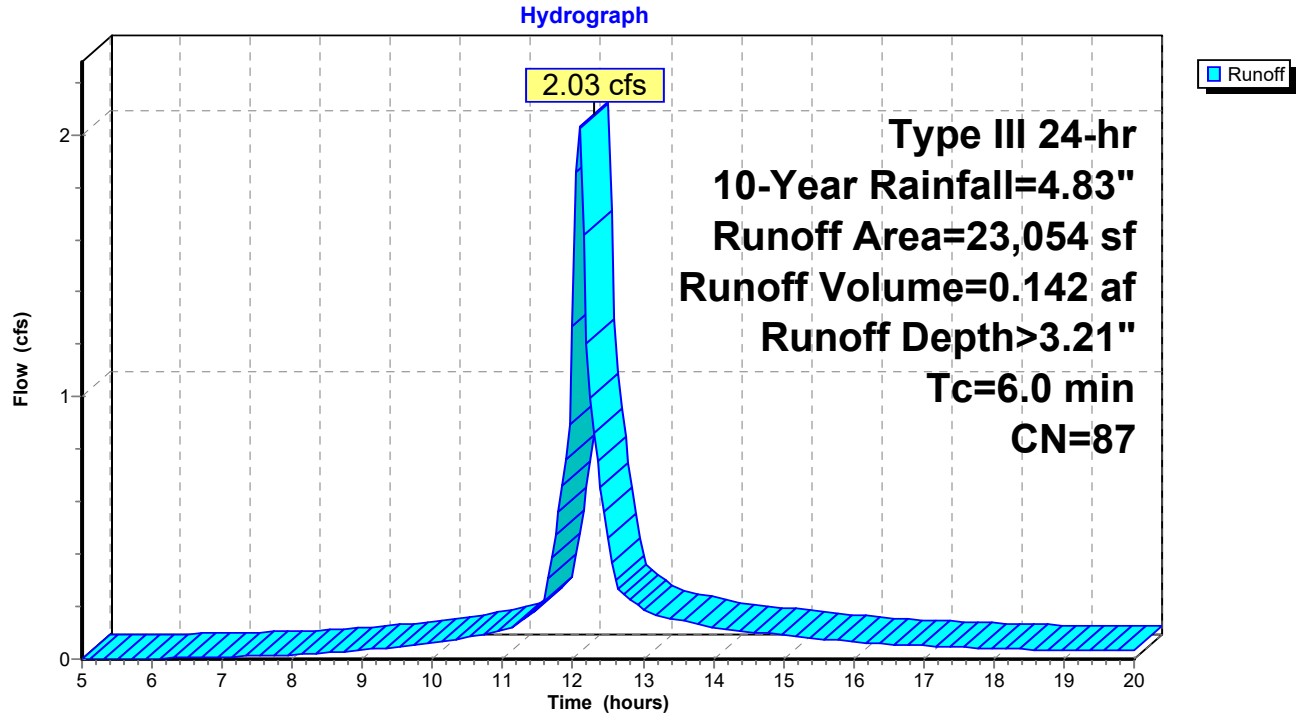
Runoff = 2.03 cfs @ 12.09 hrs, Volume= 0.142 af, Depth> 3.21"
Routed to Pond 130P : CB 32

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
4,338	39	>75% Grass cover, Good, HSG A
8,274	98	Unconnected roofs, HSG A
10,442	98	Paved parking, HSG A
23,054	87	Weighted Average
4,338		18.82% Pervious Area
18,716		81.18% Impervious Area
8,274		44.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 125S: P3EE



Summary for Subcatchment 126S: P3FF

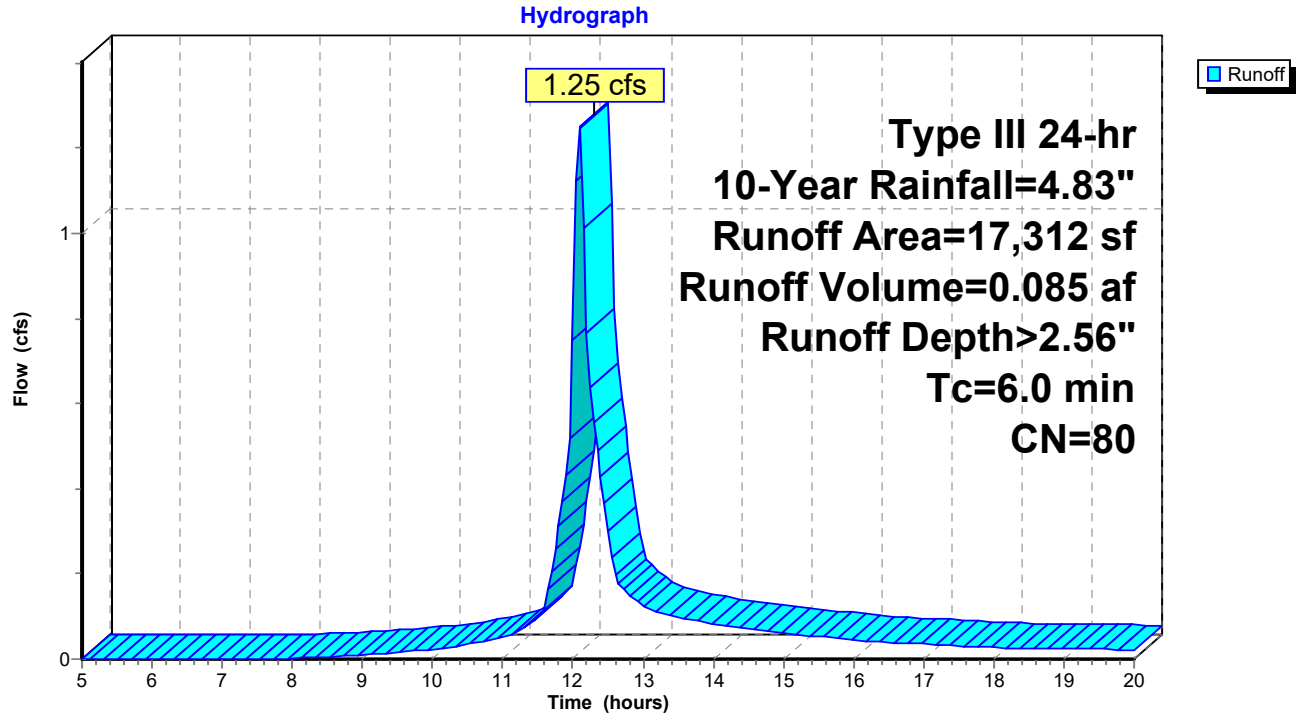
Runoff = 1.25 cfs @ 12.09 hrs, Volume= 0.085 af, Depth> 2.56"
Routed to Pond 129P : CB 34

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
5,177	39	>75% Grass cover, Good, HSG A
4,336	98	Unconnected roofs, HSG A
7,799	98	Paved parking, HSG A
17,312	80	Weighted Average
5,177		29.90% Pervious Area
12,135		70.10% Impervious Area
4,336		35.73% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 126S: P3FF



Summary for Subcatchment 127S: P3GG

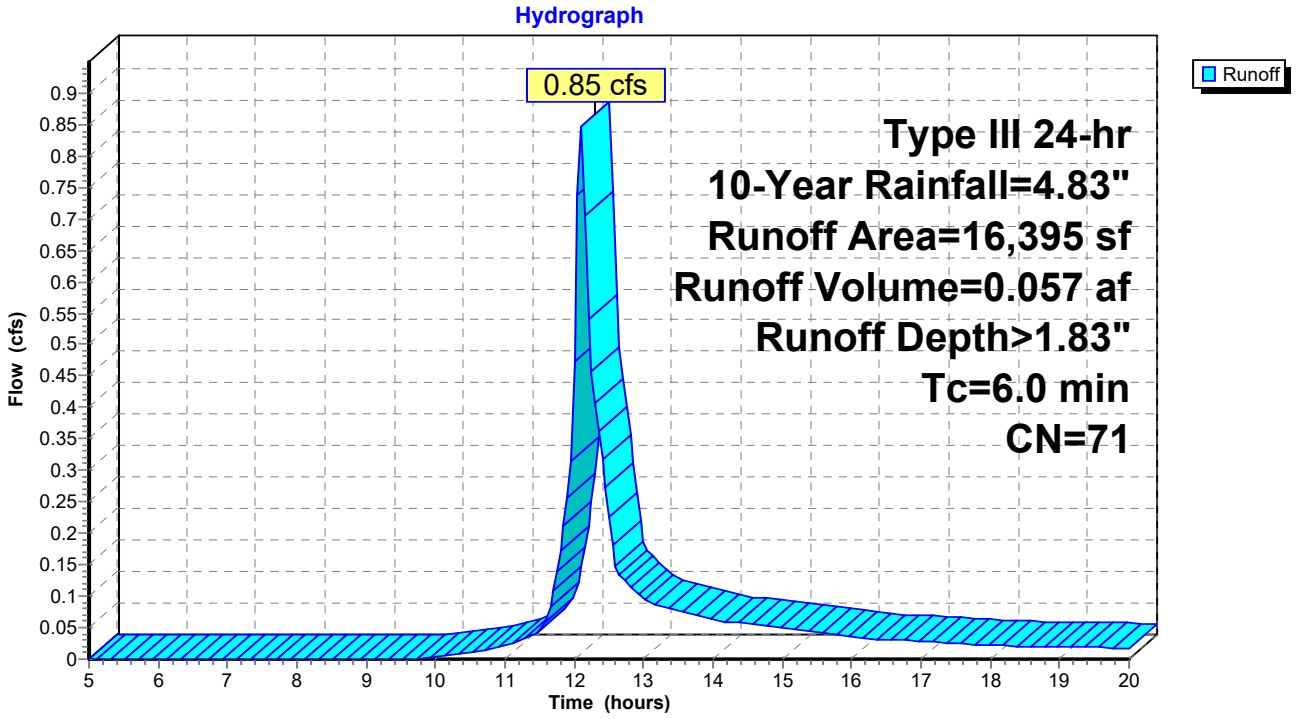
Runoff = 0.85 cfs @ 12.10 hrs, Volume= 0.057 af, Depth> 1.83"
Routed to Pond 132P : CB 33

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
7,617	39	>75% Grass cover, Good, HSG A
3,071	98	Unconnected roofs, HSG C
5,707	98	Paved parking, HSG A
16,395	71	Weighted Average
7,617		46.46% Pervious Area
8,778		53.54% Impervious Area
3,071		34.99% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 127S: P3GG



Summary for Subcatchment 128S: P3HH

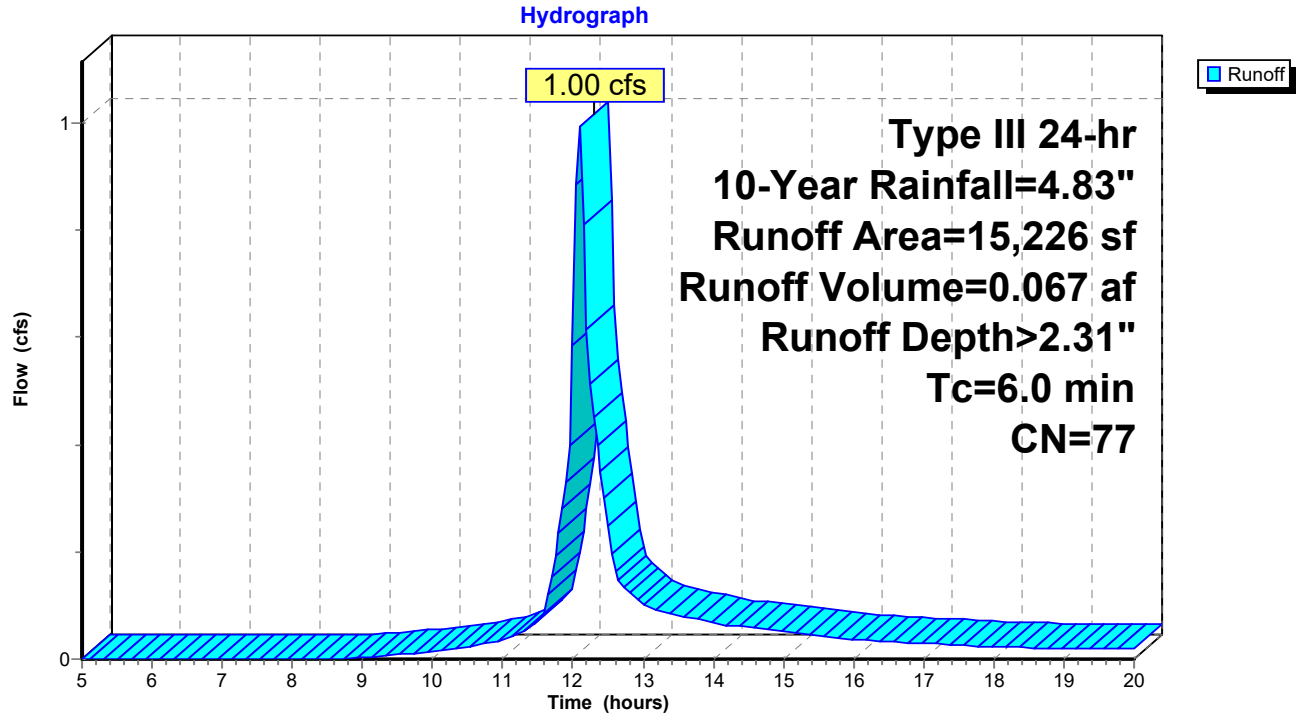
Runoff = 1.00 cfs @ 12.09 hrs, Volume= 0.067 af, Depth> 2.31"
Routed to Pond 131P : CB 35

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
5,501	39	>75% Grass cover, Good, HSG A
4,901	98	Unconnected roofs, HSG A
4,824	98	Paved parking, HSG A
15,226	77	Weighted Average
5,501		36.13% Pervious Area
9,725		63.87% Impervious Area
4,901		50.40% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 128S: P3HH



Summary for Subcatchment 129S: P3MM

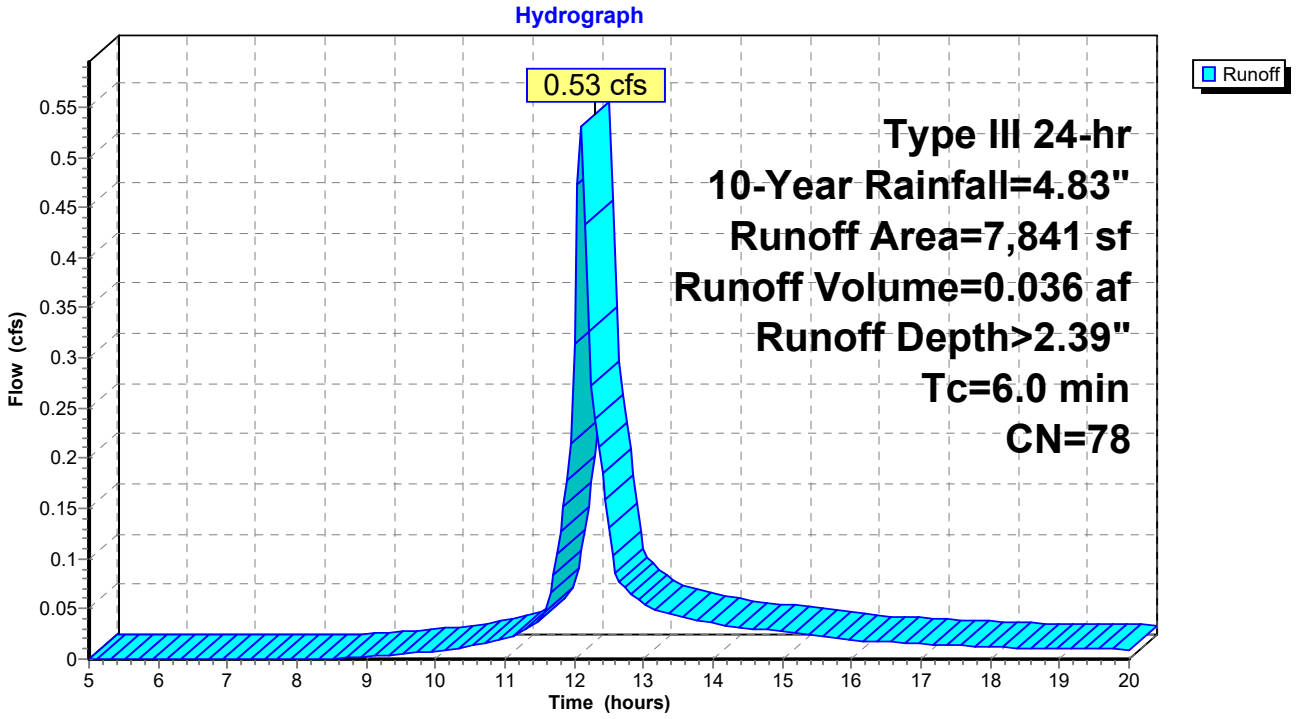
Runoff = 0.53 cfs @ 12.09 hrs, Volume= 0.036 af, Depth> 2.39"
Routed to Pond 136P : CB 38

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,648	39	>75% Grass cover, Good, HSG A
2,583	98	Unconnected roofs, HSG A
2,610	98	Paved parking, HSG A
7,841	78	Weighted Average
2,648		33.77% Pervious Area
5,193		66.23% Impervious Area
2,583		49.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 129S: P3MM



Summary for Subcatchment 130S: P3NN

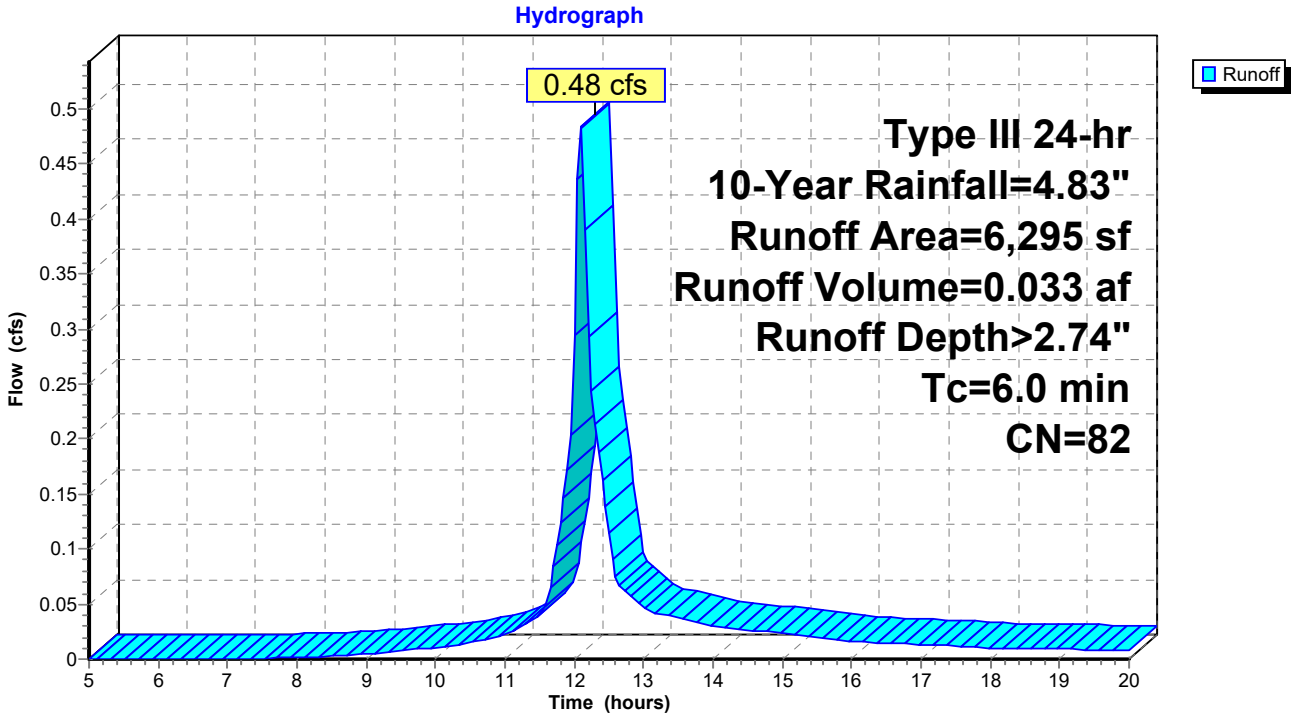
Runoff = 0.48 cfs @ 12.09 hrs, Volume= 0.033 af, Depth> 2.74"
Routed to Pond 138P : CB 39

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,726	39	>75% Grass cover, Good, HSG A
1,686	98	Unconnected roofs, HSG A
2,883	98	Paved parking, HSG A
6,295	82	Weighted Average
1,726		27.42% Pervious Area
4,569		72.58% Impervious Area
1,686		36.90% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 130S: P3NN



Summary for Subcatchment 136S: P3II

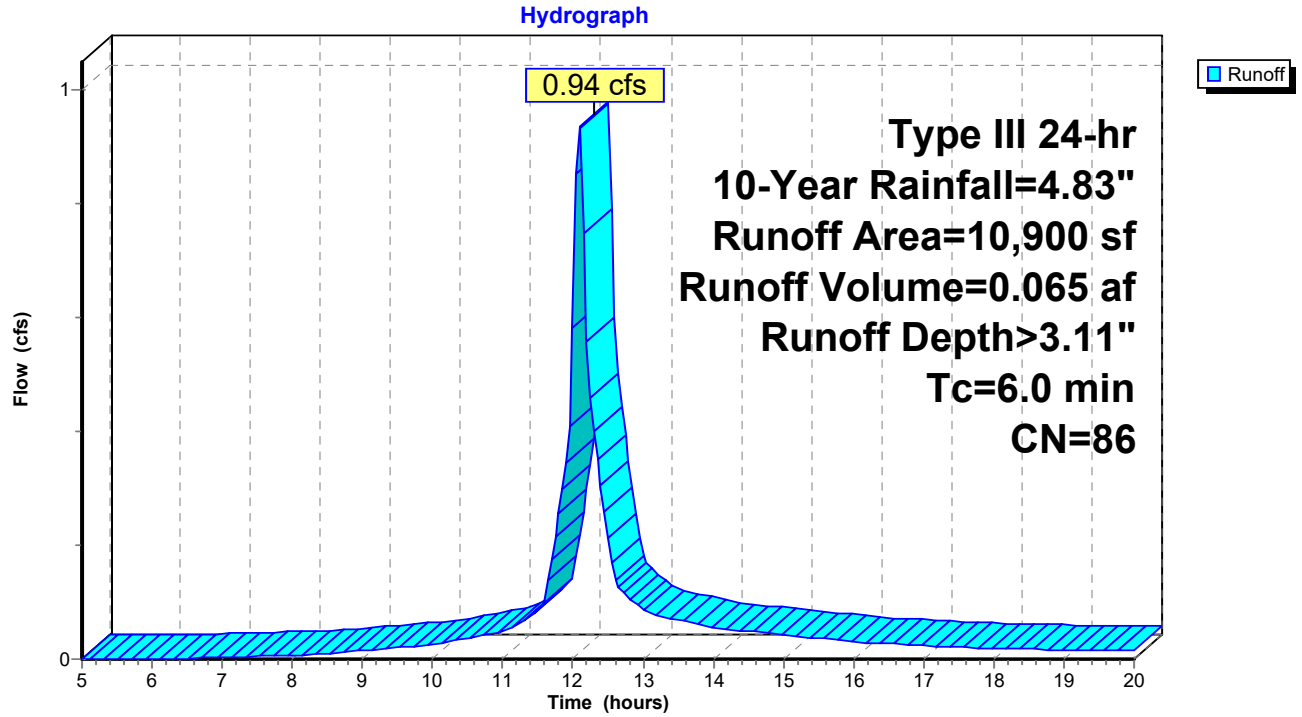
Runoff = 0.94 cfs @ 12.09 hrs, Volume= 0.065 af, Depth> 3.11"
Routed to Pond 137P : CB

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,148	39	>75% Grass cover, Good, HSG A
4,052	98	Unconnected roofs, HSG A
4,700	98	Paved parking, HSG A
10,900	86	Weighted Average
2,148		19.71% Pervious Area
8,752		80.29% Impervious Area
4,052		46.30% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 136S: P3II



Summary for Subcatchment 138S: P3JJ

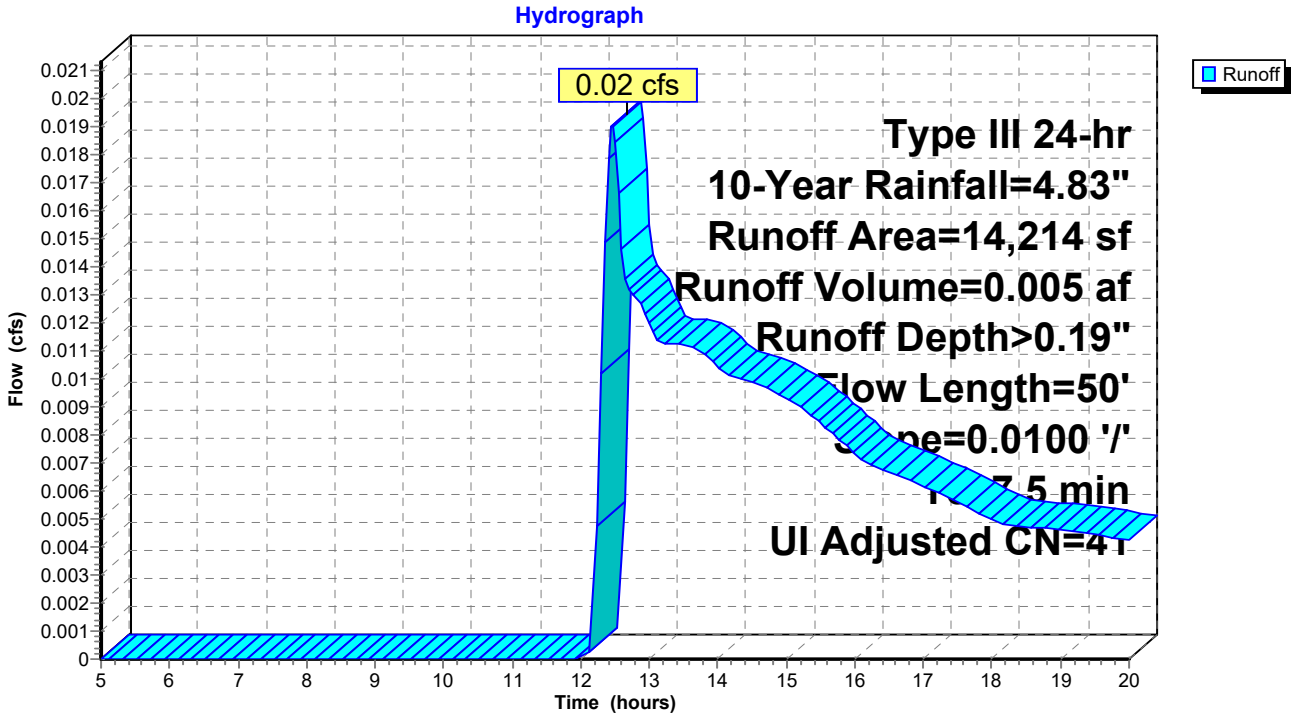
Runoff = 0.02 cfs @ 12.46 hrs, Volume= 0.005 af, Depth> 0.19"
Routed to Pond 135P : Inf. Basin 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
989	98		Unconnected roofs, HSG A
13,225	39		>75% Grass cover, Good, HSG A
14,214	43	41	Weighted Average, UI Adjusted
13,225			93.04% Pervious Area
989			6.96% Impervious Area
989			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"

Subcatchment 138S: P3JJ



Summary for Subcatchment 140S: P3OO

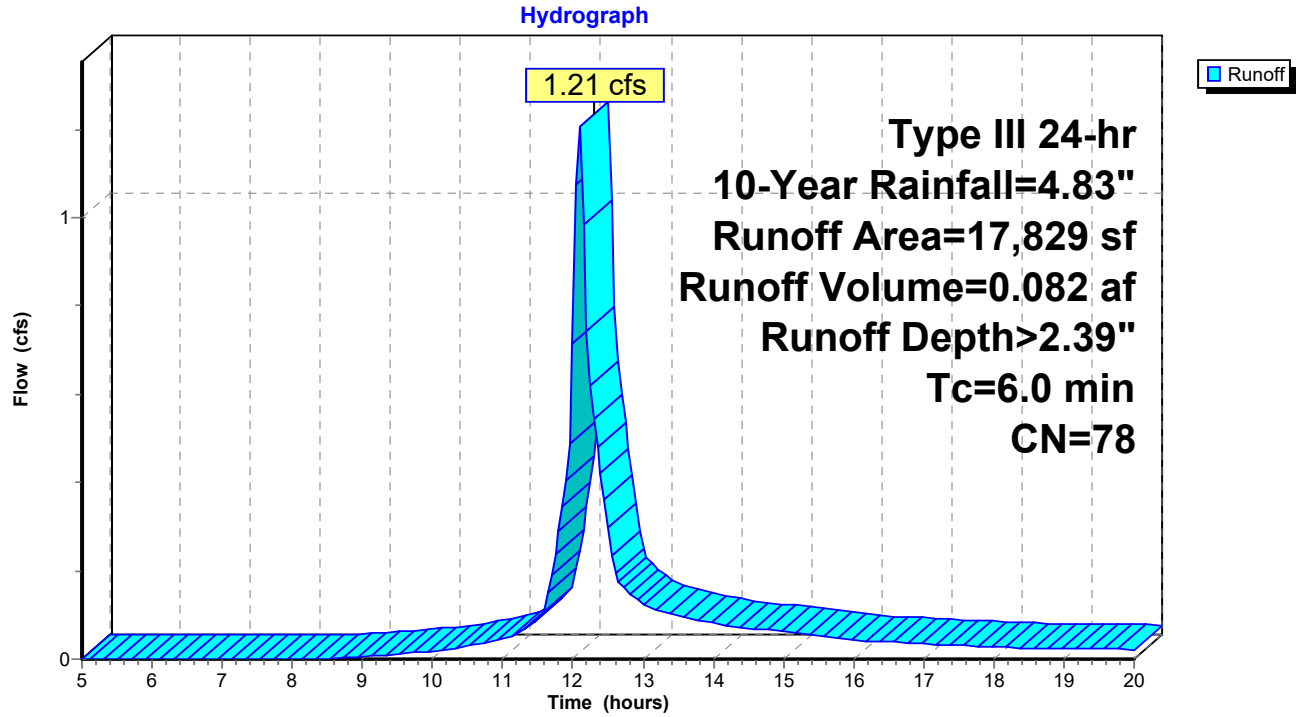
Runoff = 1.21 cfs @ 12.09 hrs, Volume= 0.082 af, Depth> 2.39"
Routed to Pond 142P : CB 40

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
6,065	39	>75% Grass cover, Good, HSG A
5,813	98	Unconnected roofs, HSG A
5,951	98	Paved parking, HSG A
17,829	78	Weighted Average
6,065		34.02% Pervious Area
11,764		65.98% Impervious Area
5,813		49.41% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 140S: P3OO



Summary for Subcatchment 141S: P3PP

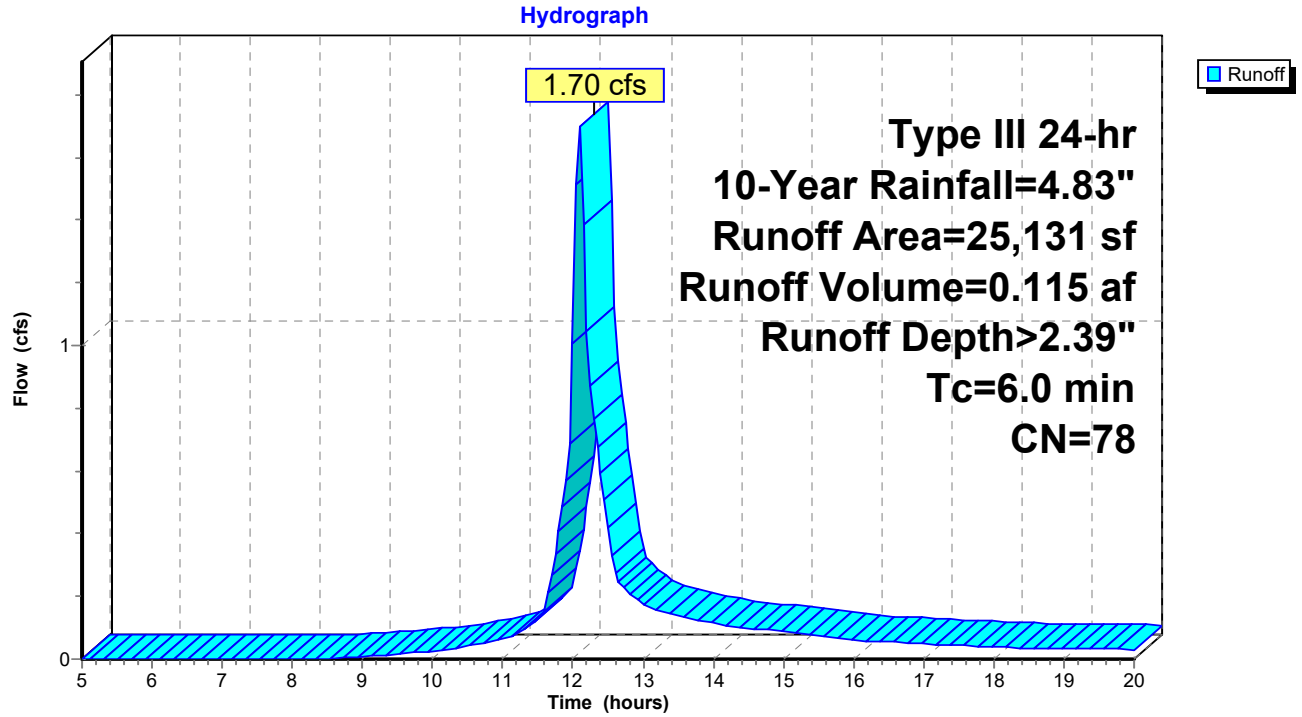
Runoff = 1.70 cfs @ 12.09 hrs, Volume= 0.115 af, Depth> 2.39"
Routed to Pond 143P : CB 41

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
8,502	39	>75% Grass cover, Good, HSG A
8,019	98	Unconnected roofs, HSG A
8,610	98	Paved parking, HSG A
25,131	78	Weighted Average
8,502		33.83% Pervious Area
16,629		66.17% Impervious Area
8,019		48.22% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 141S: P3PP



Summary for Subcatchment 142S: P3UU

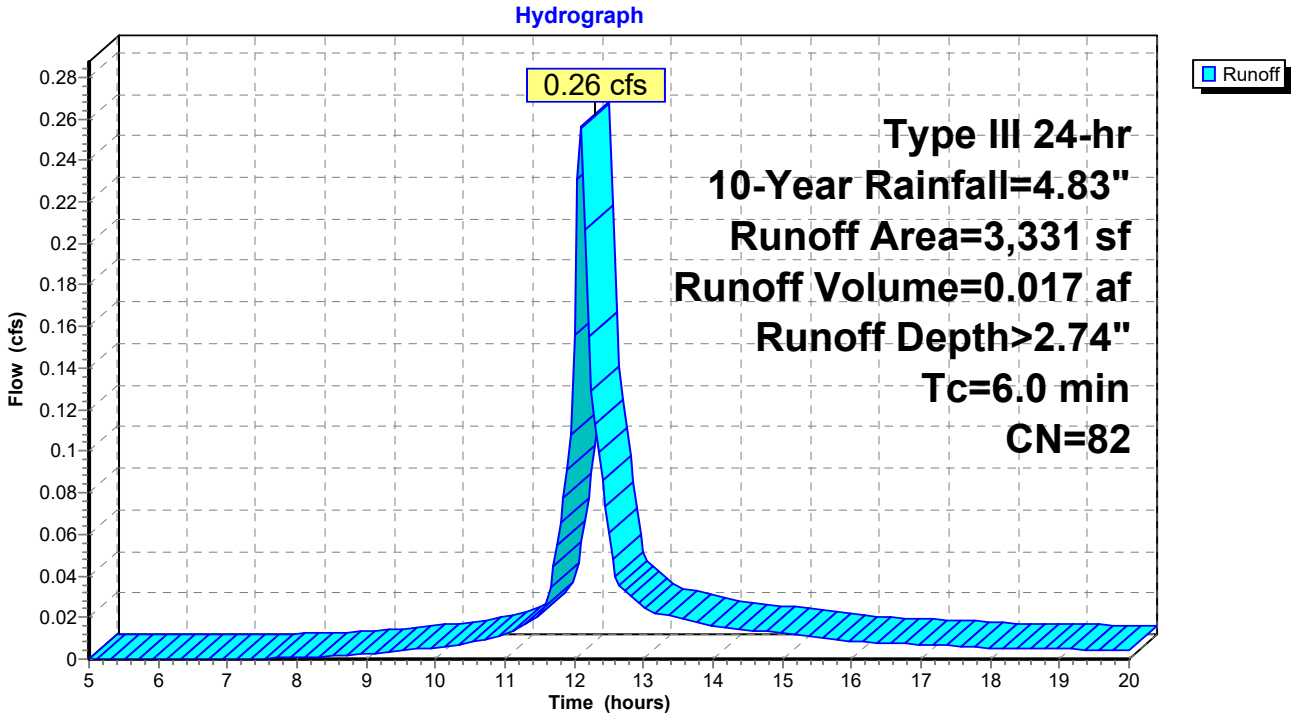
Runoff = 0.26 cfs @ 12.09 hrs, Volume= 0.017 af, Depth> 2.74"
Routed to Pond 147P : CB 28

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
915	39	>75% Grass cover, Good, HSG A
2,416	98	Paved parking, HSG A
3,331	82	Weighted Average
915		27.47% Pervious Area
2,416		72.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 142S: P3UU



Summary for Subcatchment 143S: P3VV

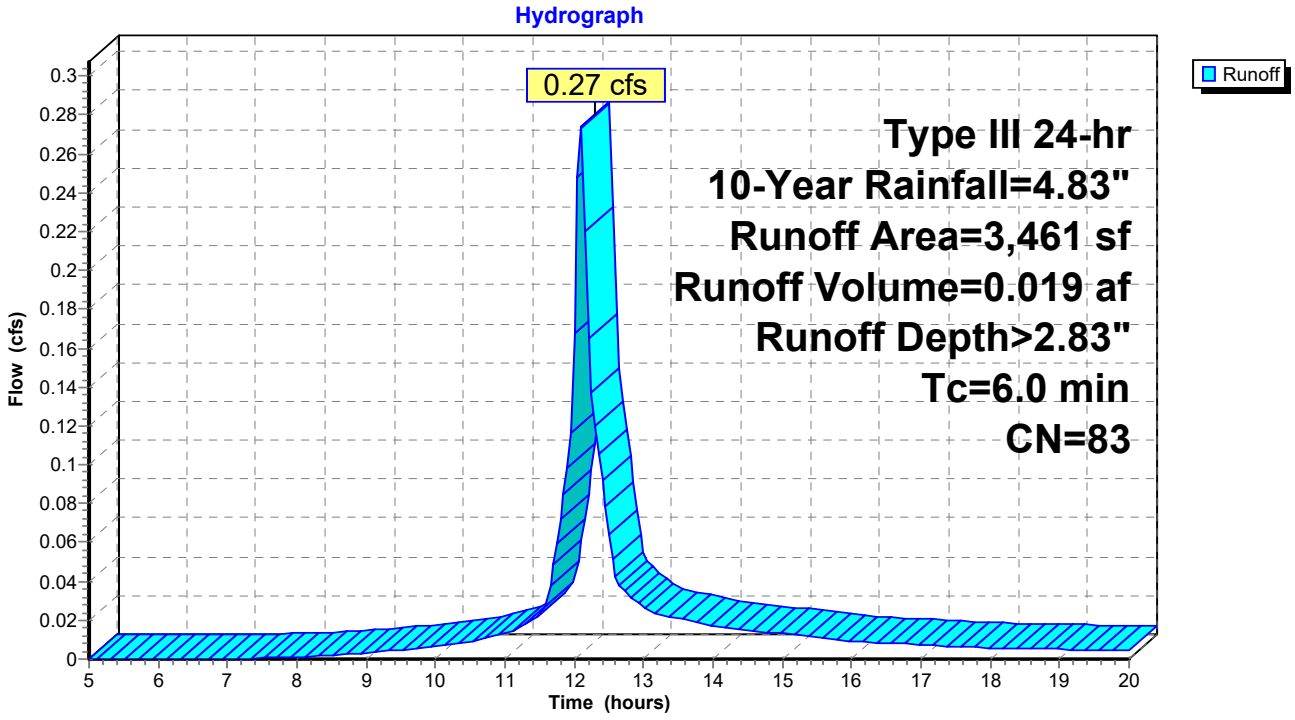
Runoff = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af, Depth> 2.83"
Routed to Pond 149P : CB 29

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
906	39	>75% Grass cover, Good, HSG A
2,555	98	Paved parking, HSG A
3,461	83	Weighted Average
906		26.18% Pervious Area
2,555		73.82% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 143S: P3VV



Summary for Subcatchment 147S: P3QQ

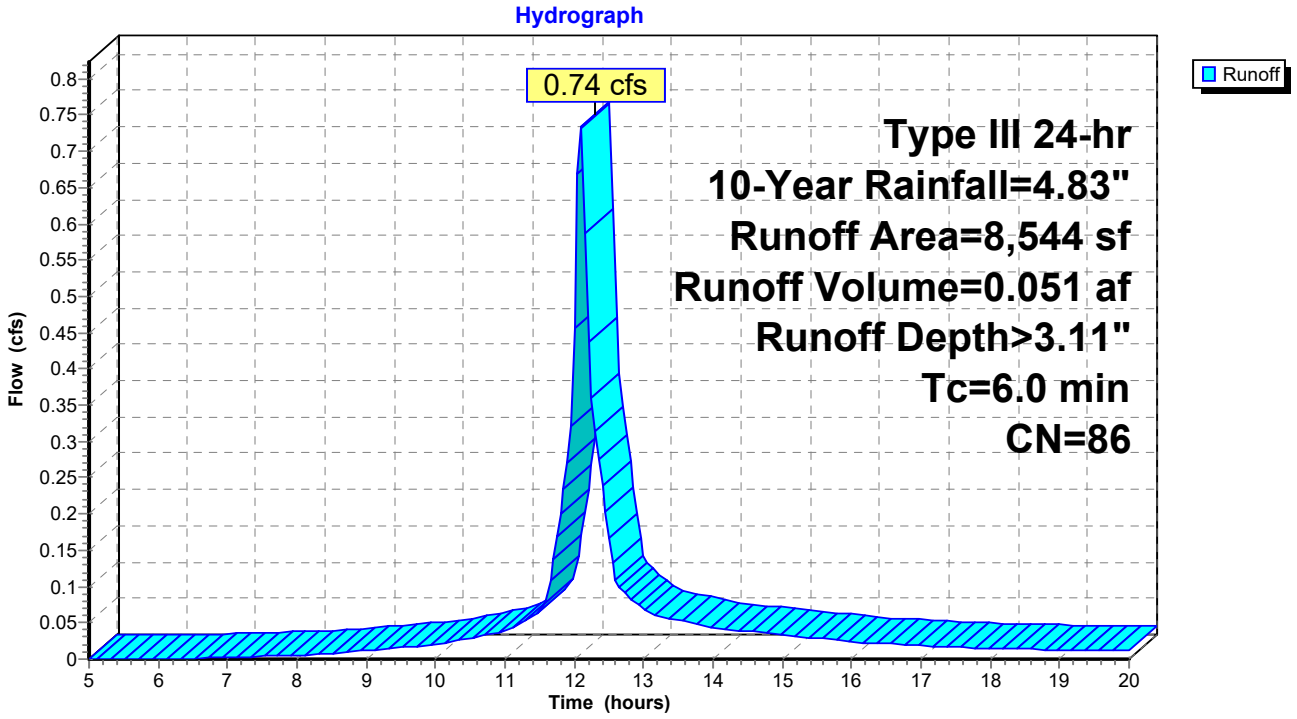
Runoff = 0.74 cfs @ 12.09 hrs, Volume= 0.051 af, Depth> 3.11"
Routed to Pond 148P : CB 43

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,691	39	>75% Grass cover, Good, HSG A
2,319	98	Unconnected roofs, HSG A
4,534	98	Paved parking, HSG A
8,544	86	Weighted Average
1,691		19.79% Pervious Area
6,853		80.21% Impervious Area
2,319		33.84% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 147S: P3QQ



Summary for Subcatchment 149S: P3RR

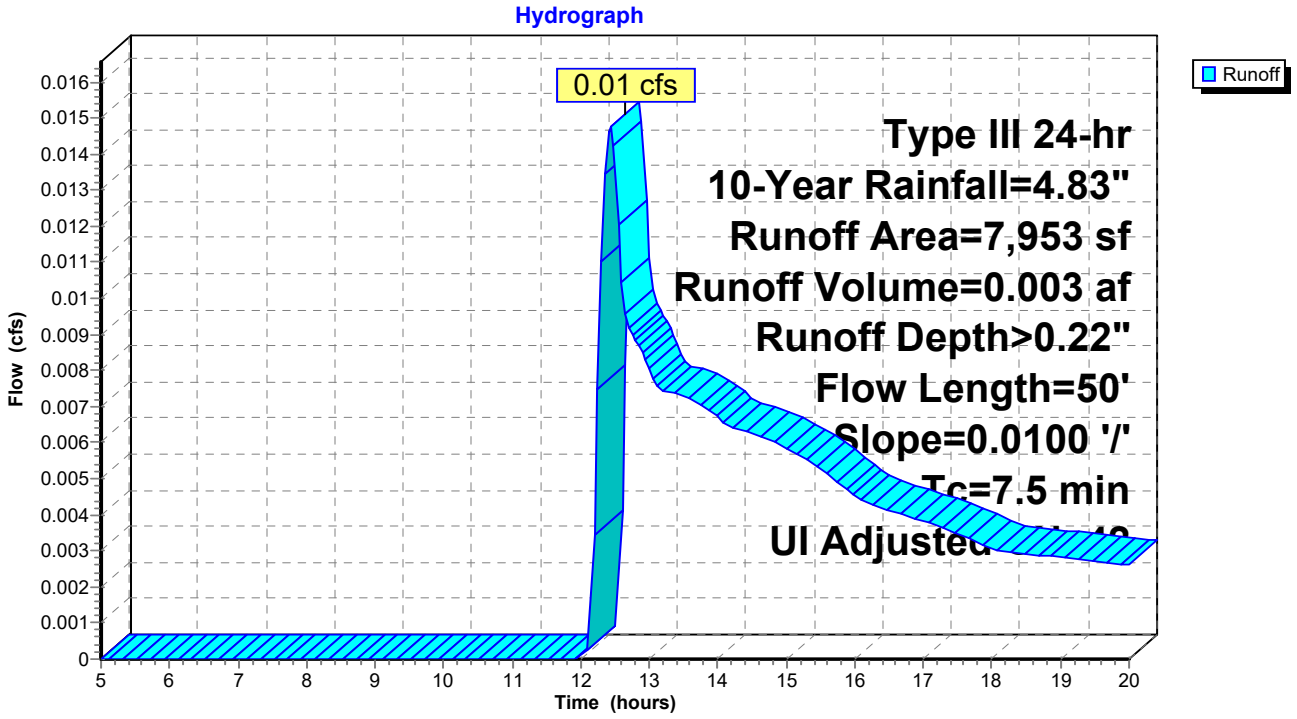
Runoff = 0.01 cfs @ 12.43 hrs, Volume= 0.003 af, Depth> 0.22"
Routed to Pond 146P : Inf. Basin 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
803	98		Unconnected roofs, HSG A
7,150	39		>75% Grass cover, Good, HSG A
7,953	45	42	Weighted Average, UI Adjusted
7,150			89.90% Pervious Area
803			10.10% Impervious Area
803			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"

Subcatchment 149S: P3RR



Summary for Subcatchment 151S: P3ZZ

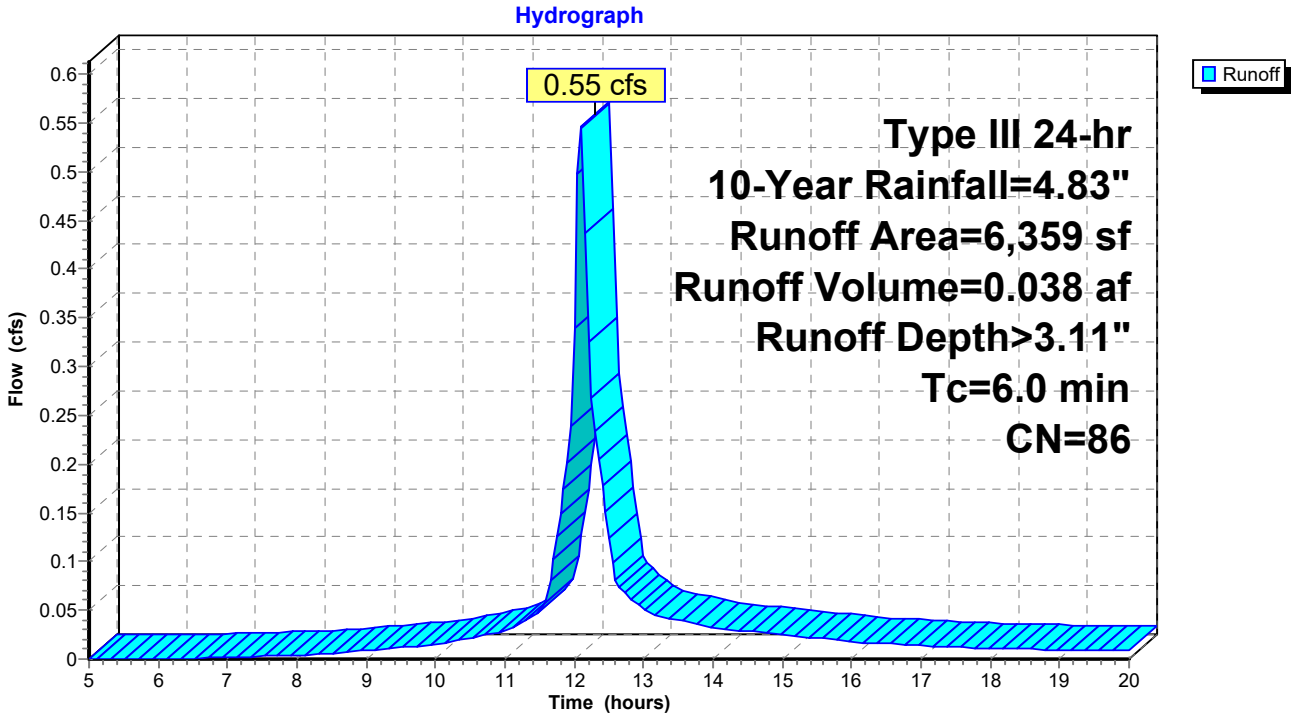
Runoff = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af, Depth> 3.11"
Routed to Pond 159P : CB 25

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,297	39	>75% Grass cover, Good, HSG A
5,062	98	Paved parking, HSG A
6,359	86	Weighted Average
1,297		20.40% Pervious Area
5,062		79.60% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 151S: P3ZZ



Summary for Subcatchment 152S: P3YY

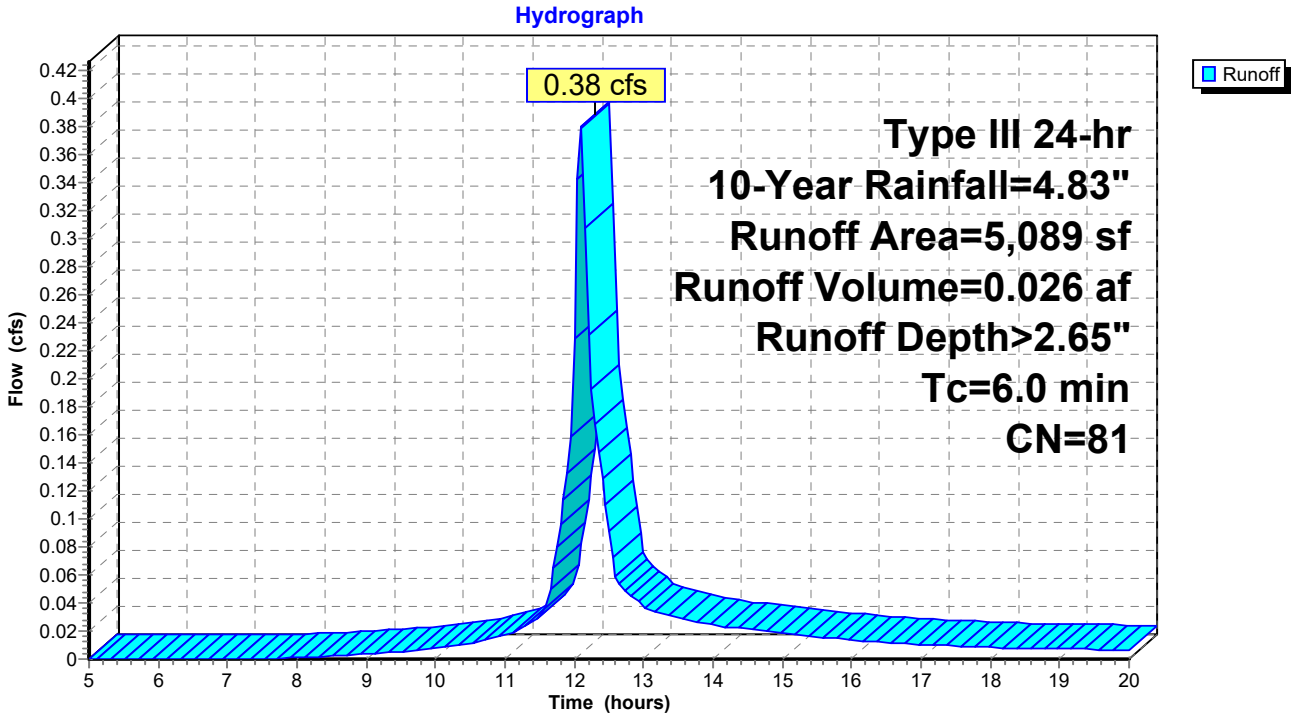
Runoff = 0.38 cfs @ 12.09 hrs, Volume= 0.026 af, Depth> 2.65"
Routed to Pond 158P : CB 24

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,505	39	>75% Grass cover, Good, HSG A
3,584	98	Paved parking, HSG A
5,089	81	Weighted Average
1,505		29.57% Pervious Area
3,584		70.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 152S: P3YY



Summary for Subcatchment 153S: P3WW

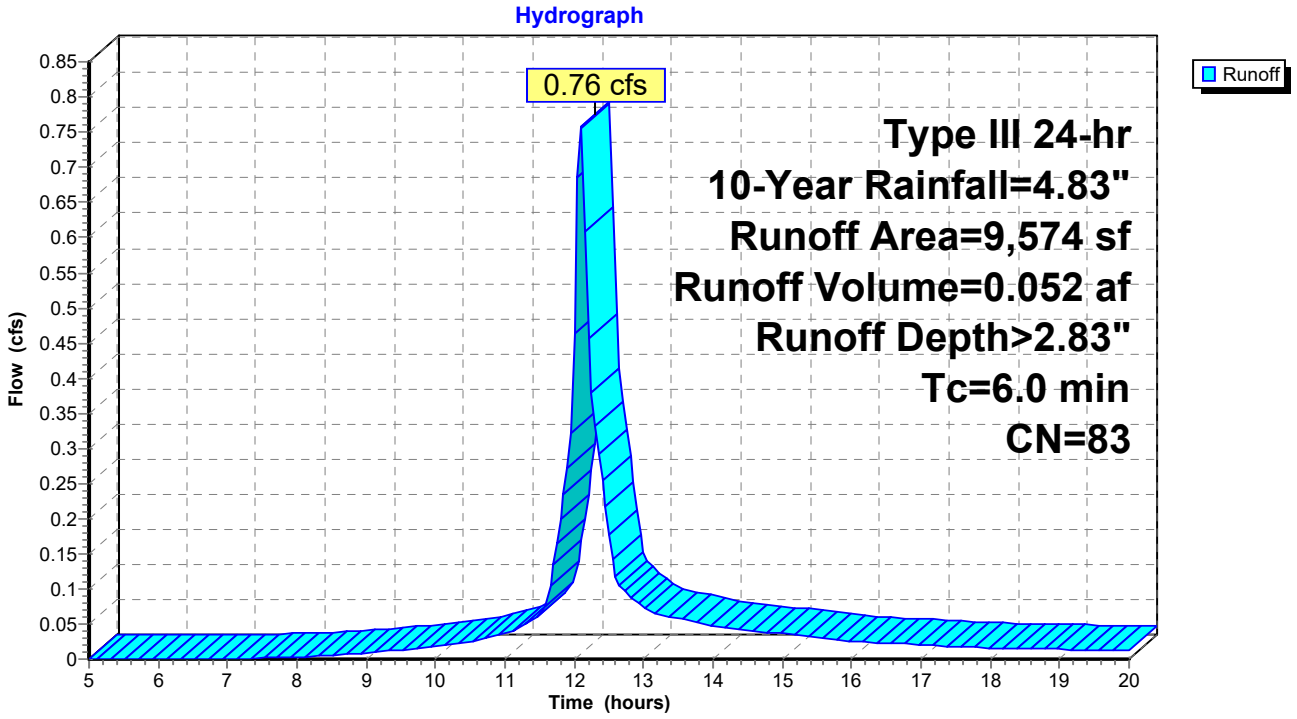
Runoff = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af, Depth> 2.83"
Routed to Pond 155P : CB 27

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,428	39	>75% Grass cover, Good, HSG A
2,576	98	Unconnected roofs, HSG A
4,570	98	Paved parking, HSG A
9,574	83	Weighted Average
2,428		25.36% Pervious Area
7,146		74.64% Impervious Area
2,576		36.05% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 153S: P3WW



Summary for Subcatchment 154S: P3XX

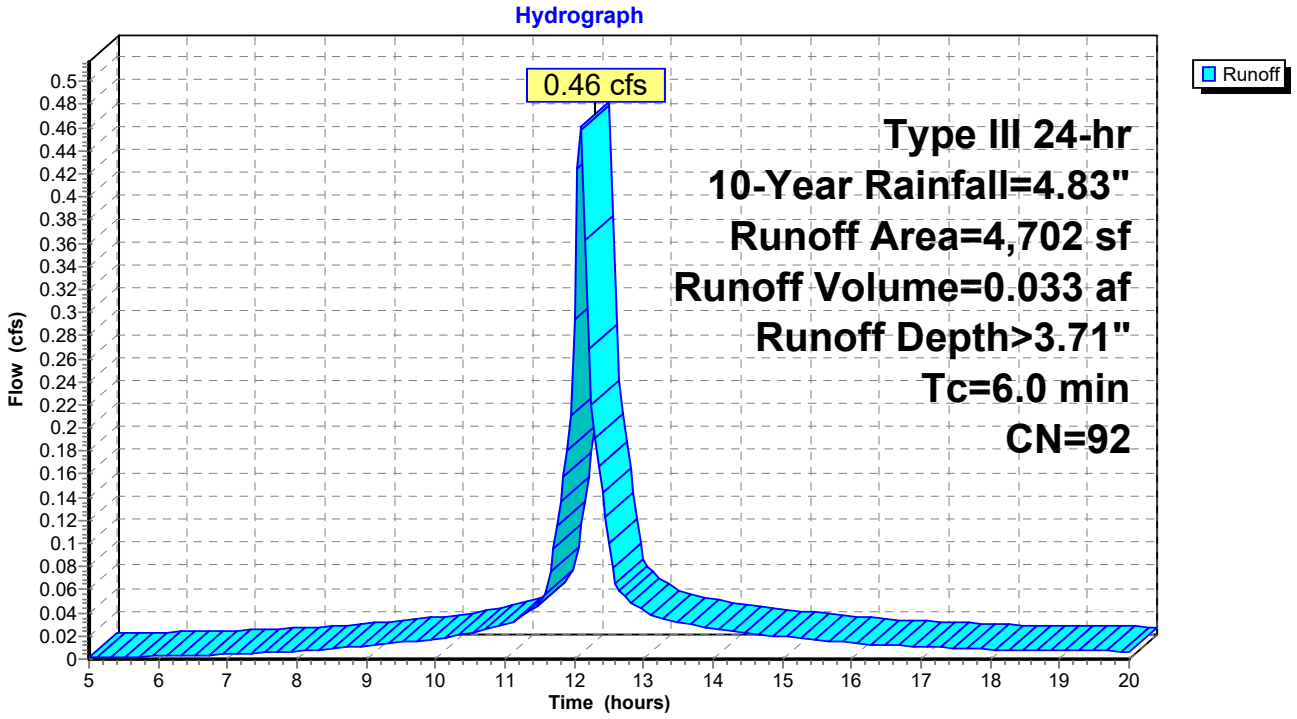
Runoff = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af, Depth> 3.71"
Routed to Pond 156P : CB 26

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
467	39	>75% Grass cover, Good, HSG A
2,369	98	Unconnected roofs, HSG A
1,866	98	Paved parking, HSG A
4,702	92	Weighted Average
467		9.93% Pervious Area
4,235		90.07% Impervious Area
2,369		55.94% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 154S: P3XX



Summary for Subcatchment 155S: P3CCC

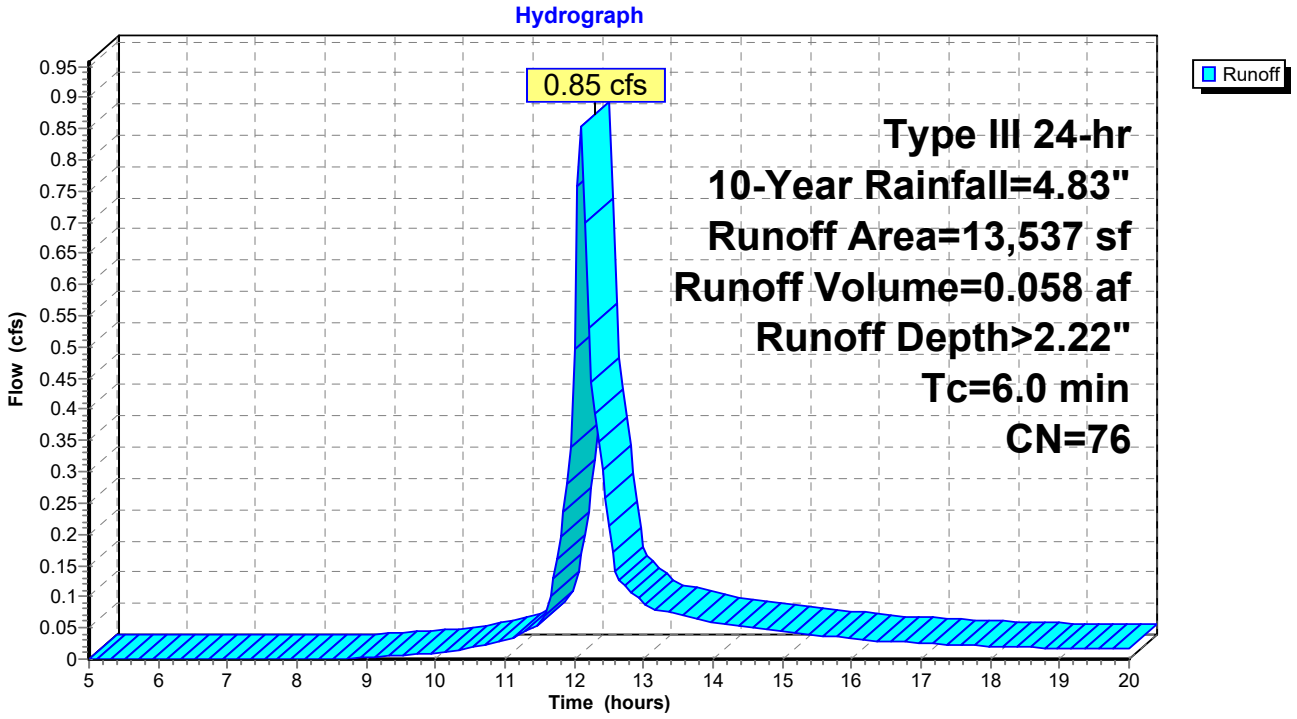
Runoff = 0.85 cfs @ 12.09 hrs, Volume= 0.058 af, Depth> 2.22"
Routed to Pond 163P : CB 14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
4,959	39	>75% Grass cover, Good, HSG A
1,047	98	Unconnected roofs, HSG A
7,531	98	Paved parking, HSG A
13,537	76	Weighted Average
4,959		36.63% Pervious Area
8,578		63.37% Impervious Area
1,047		12.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 155S: P3CCC



Summary for Subcatchment 156S: P3DDD

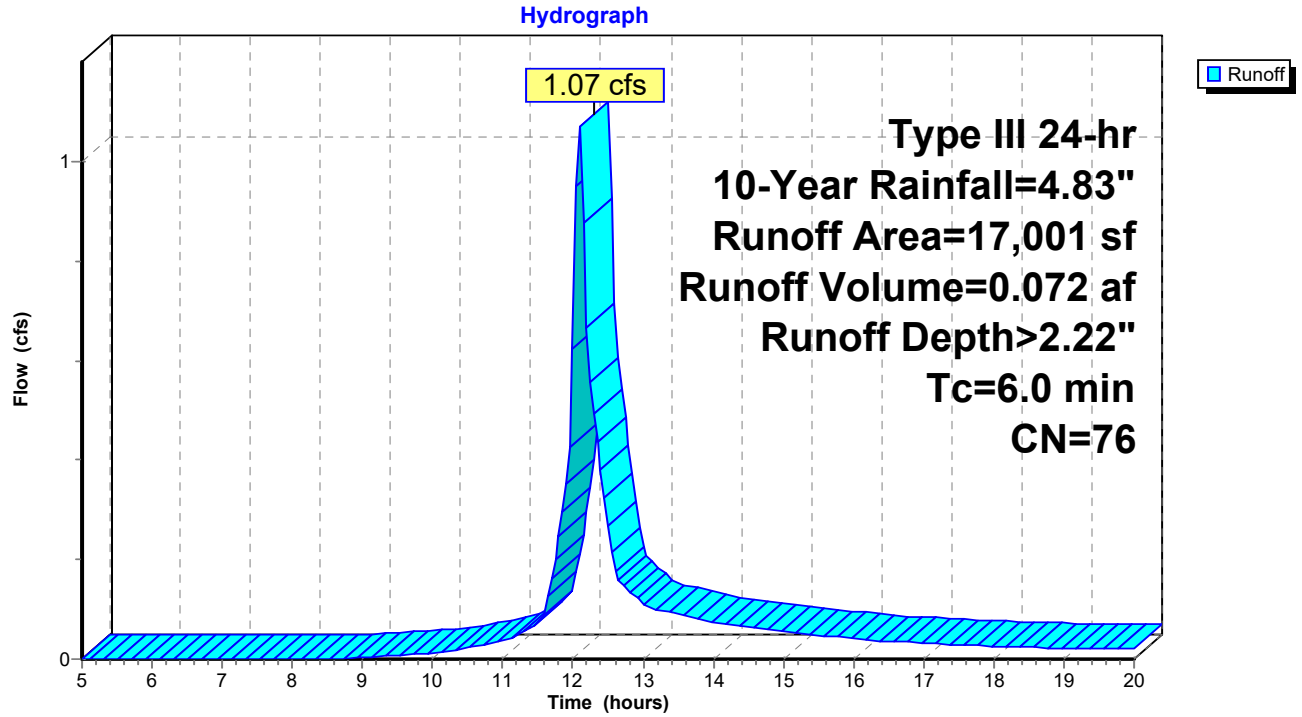
Runoff = 1.07 cfs @ 12.09 hrs, Volume= 0.072 af, Depth> 2.22"
Routed to Pond 162P : CB 15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
6,264	39	>75% Grass cover, Good, HSG A
3,815	98	Unconnected roofs, HSG A
6,922	98	Paved parking, HSG A
17,001	76	Weighted Average
6,264		36.84% Pervious Area
10,737		63.16% Impervious Area
3,815		35.53% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 156S: P3DDD



Summary for Subcatchment 165S: P3FFF

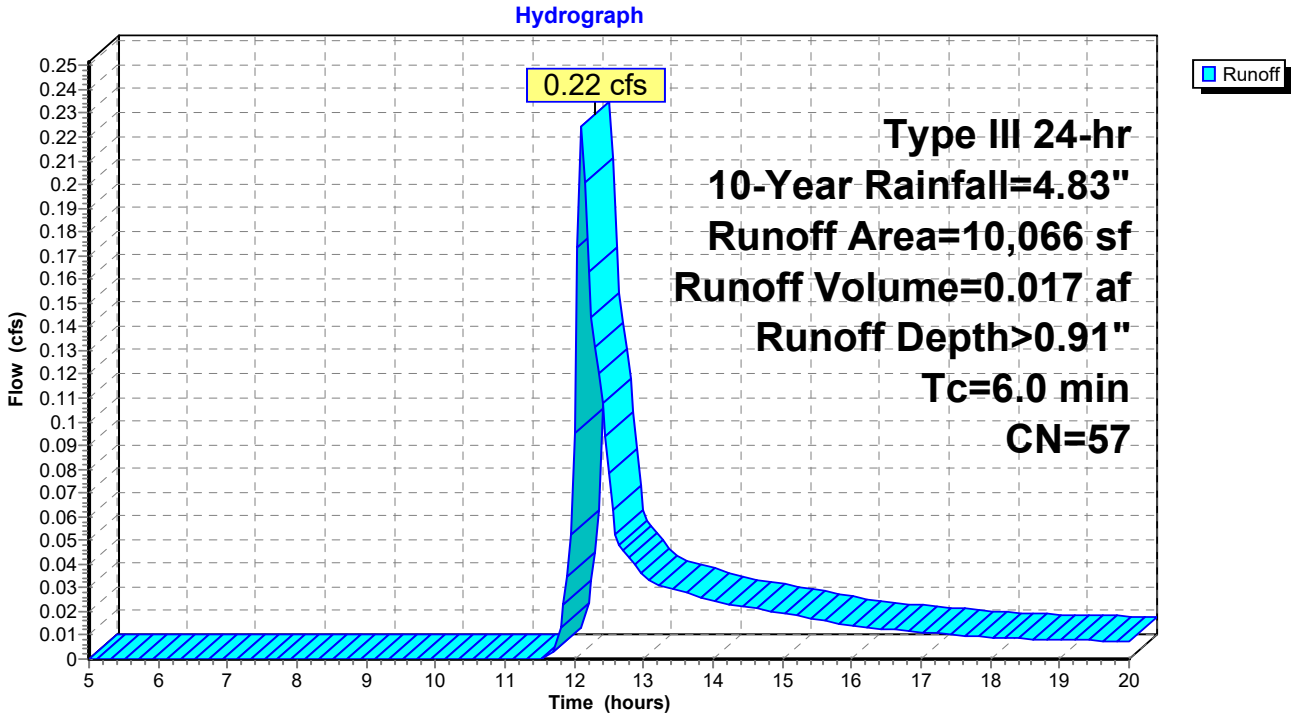
Runoff = 0.22 cfs @ 12.11 hrs, Volume= 0.017 af, Depth> 0.91"
Routed to Pond 168P : CB 10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
7,041	39	>75% Grass cover, Good, HSG A
3,025	98	Paved parking, HSG A
10,066	57	Weighted Average
7,041		69.95% Pervious Area
3,025		30.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 165S: P3FFF



Summary for Subcatchment 166S: P3EEE

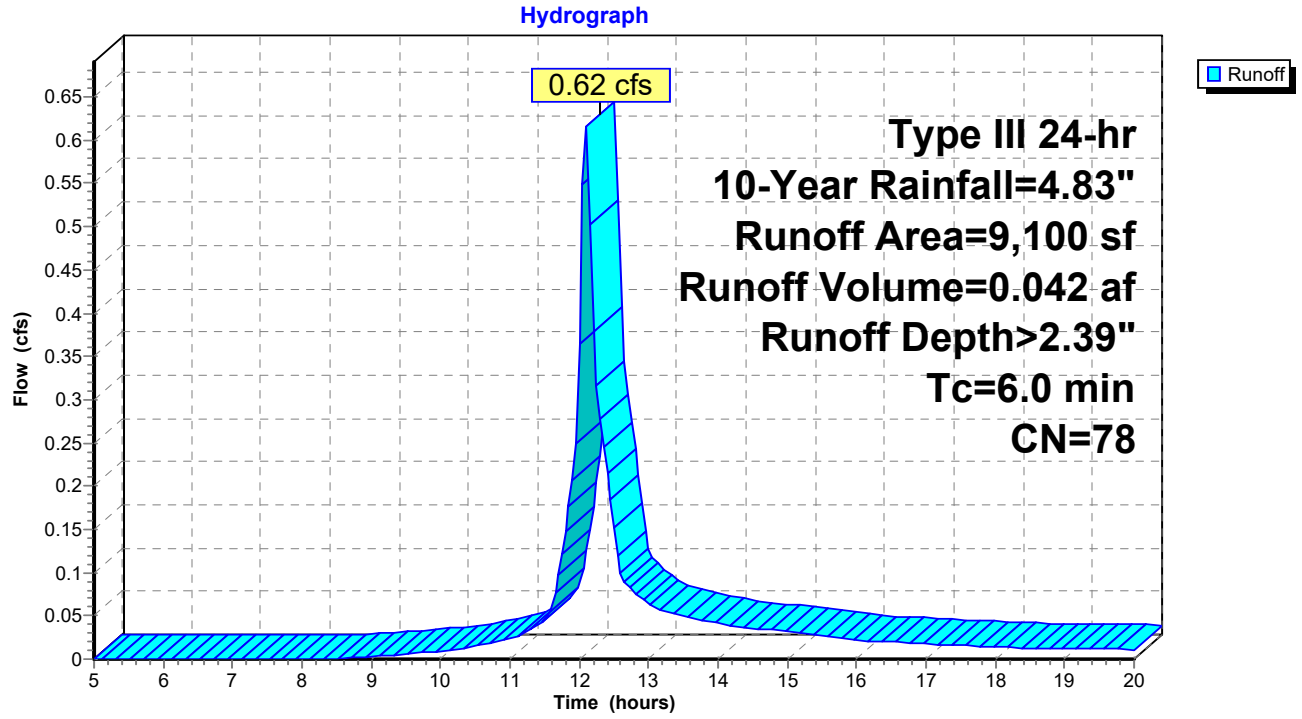
Runoff = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af, Depth> 2.39"
Routed to Pond 167P : CB 11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,114	39	>75% Grass cover, Good, HSG A
3,120	98	Paved parking, HSG A
2,866	98	Unconnected roofs, HSG A
9,100	78	Weighted Average
3,114		34.22% Pervious Area
5,986		65.78% Impervious Area
2,866		47.88% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 166S: P3EEE



Summary for Subcatchment 170S: P3JJJ

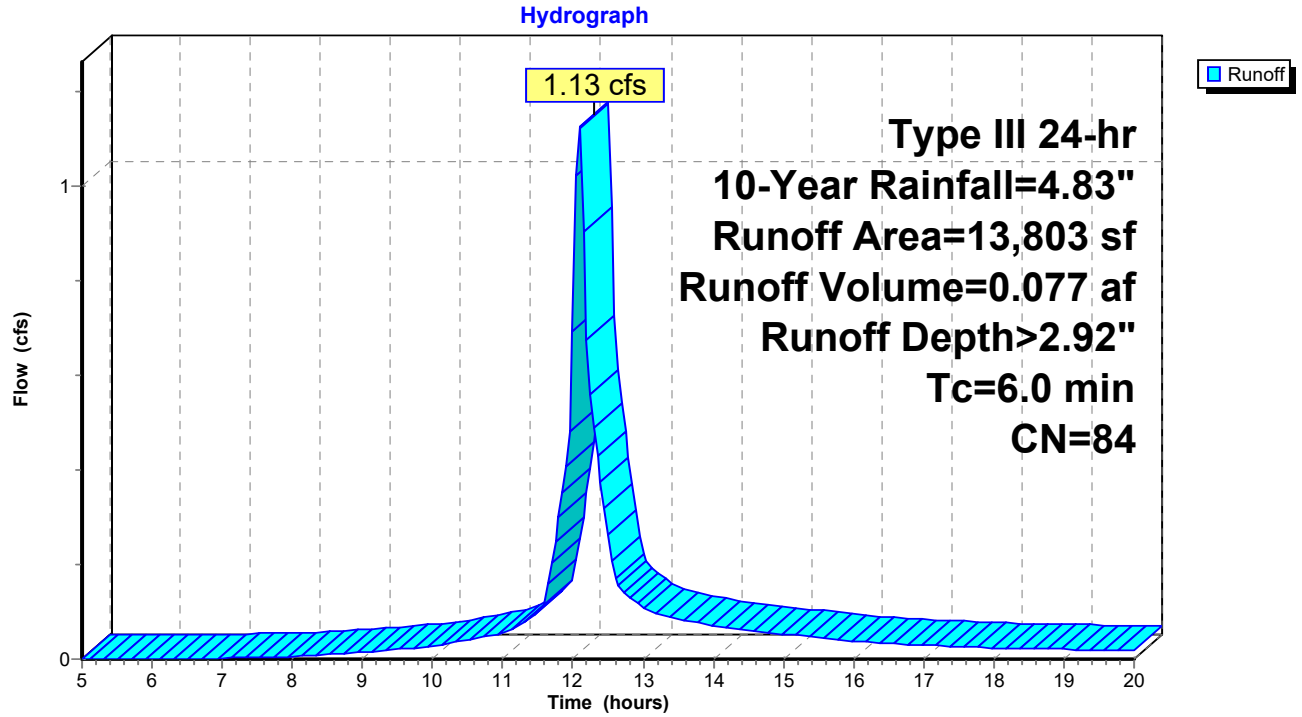
Runoff = 1.13 cfs @ 12.09 hrs, Volume= 0.077 af, Depth> 2.92"
Routed to Pond 172P : CB 16

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,334	39	>75% Grass cover, Good, HSG A
6,476	98	Unconnected roofs, HSG A
3,993	98	Paved parking, HSG A
13,803	84	Weighted Average
3,334		24.15% Pervious Area
10,469		75.85% Impervious Area
6,476		61.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 170S: P3JJJ



Summary for Subcatchment 171S: P3III

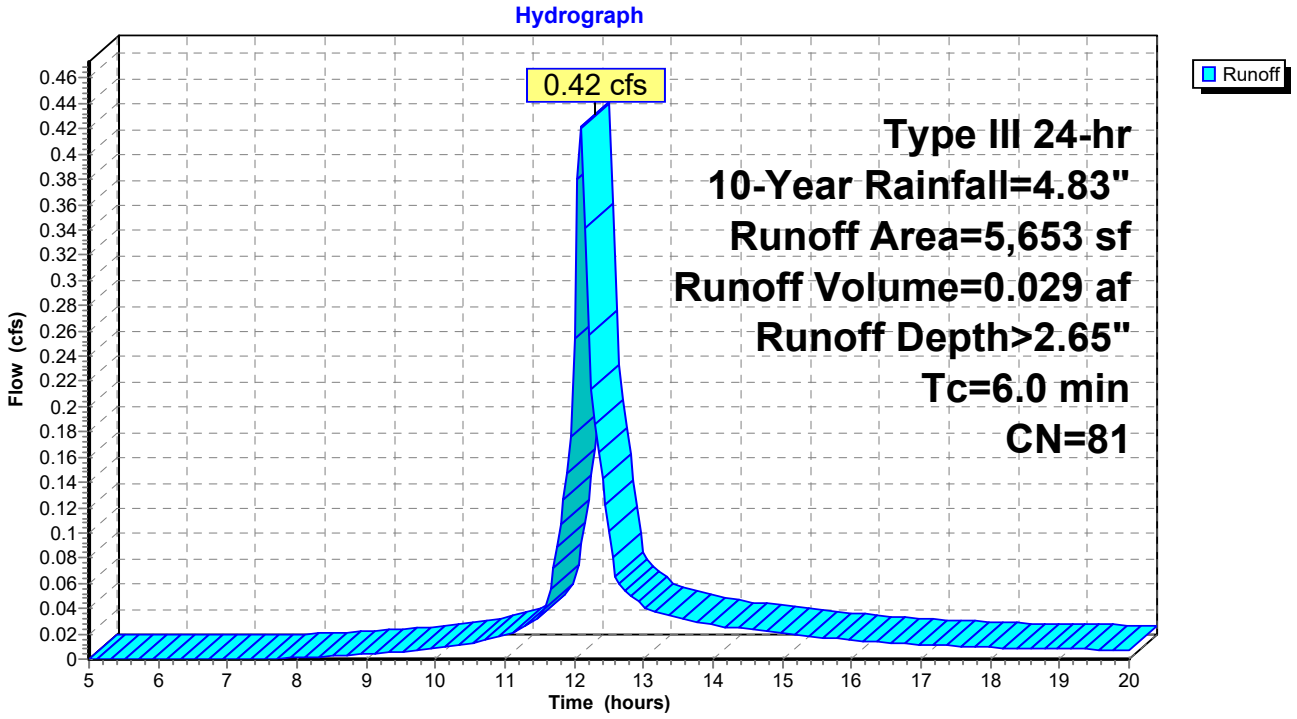
Runoff = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af, Depth> 2.65"
Routed to Pond 173P : CB 17

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,629	39	>75% Grass cover, Good, HSG A
1,823	98	Unconnected roofs, HSG A
2,201	98	Paved parking, HSG A
5,653	81	Weighted Average
1,629		28.82% Pervious Area
4,024		71.18% Impervious Area
1,823		45.30% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 171S: P3III



Summary for Subcatchment 175S: P3KKK

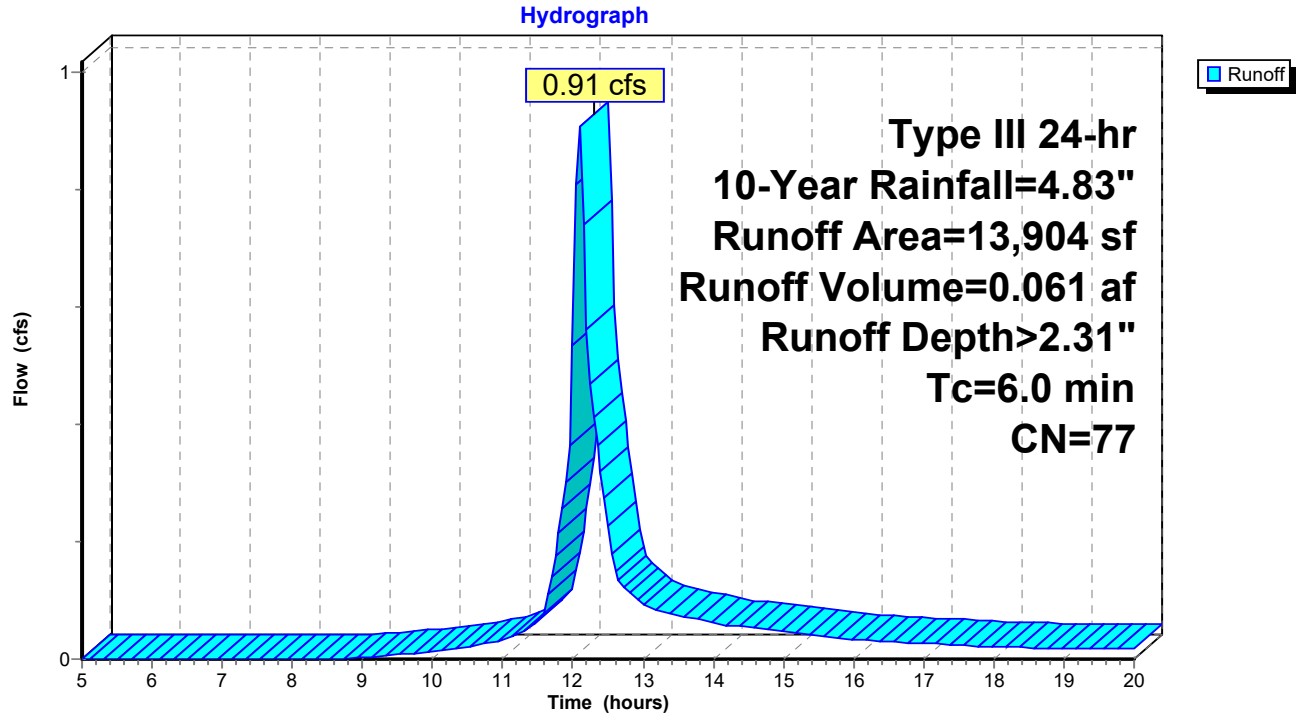
Runoff = 0.91 cfs @ 12.09 hrs, Volume= 0.061 af, Depth> 2.31"
Routed to Pond 177P : CB 13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
4,945	39	>75% Grass cover, Good, HSG A
3,545	98	Unconnected roofs, HSG A
5,414	98	Paved parking, HSG A
13,904	77	Weighted Average
4,945		35.57% Pervious Area
8,959		64.43% Impervious Area
3,545		39.57% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 175S: P3KKK



Summary for Subcatchment 176S: P3LLL

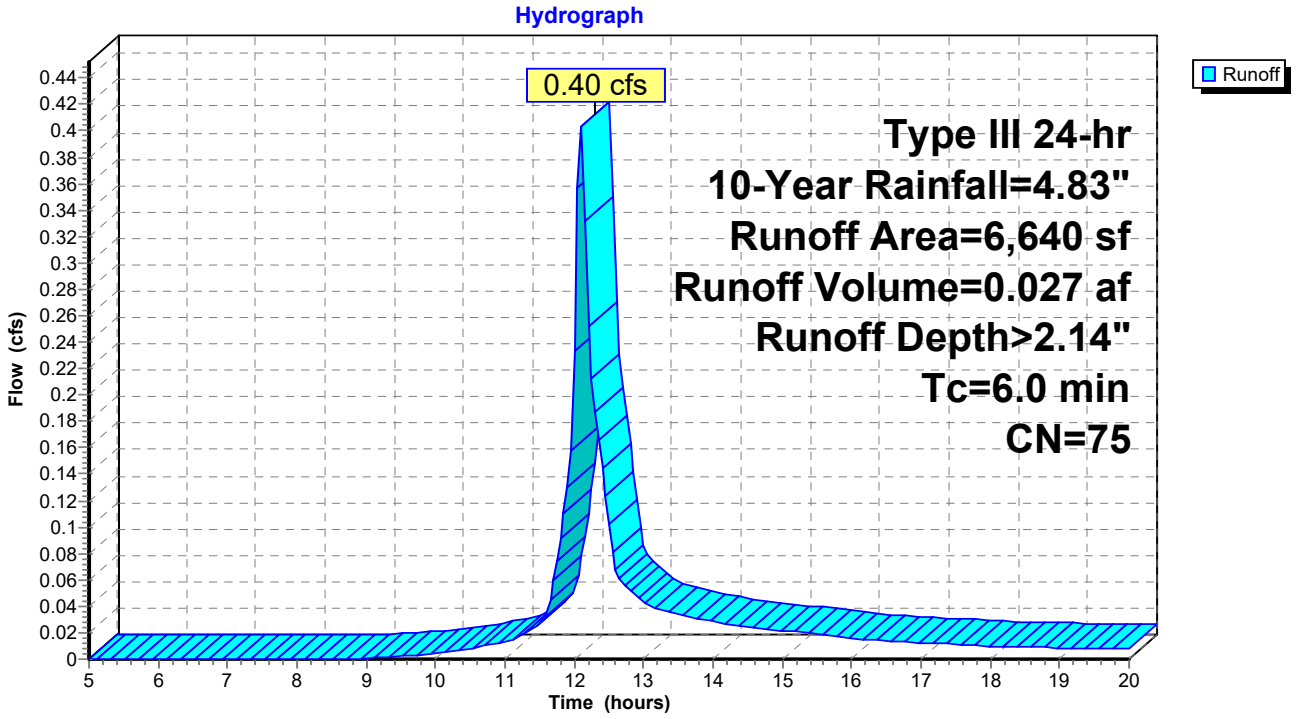
Runoff = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af, Depth> 2.14"
Routed to Pond 178P : CB 12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,605	39	>75% Grass cover, Good, HSG A
958	98	Unconnected roofs, HSG A
3,077	98	Paved parking, HSG A
6,640	75	Weighted Average
2,605		39.23% Pervious Area
4,035		60.77% Impervious Area
958		23.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 176S: P3LLL



Summary for Subcatchment 182S: P3MMM

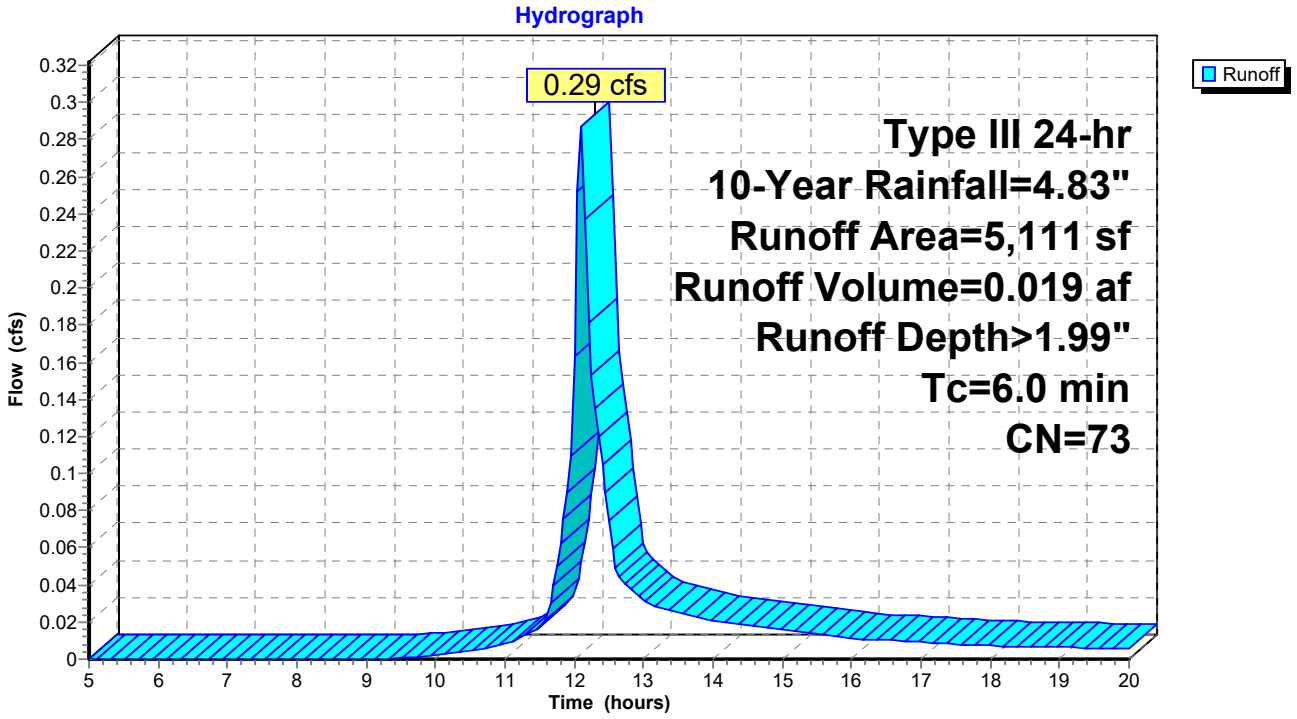
Runoff = 0.29 cfs @ 12.10 hrs, Volume= 0.019 af, Depth> 1.99"
Routed to Pond 61P : CB 8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,196	39	>75% Grass cover, Good, HSG A
413	98	Unconnected roofs, HSG A
2,502	98	Paved parking, HSG A
5,111	73	Weighted Average
2,196		42.97% Pervious Area
2,915		57.03% Impervious Area
413		14.17% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 182S: P3MMM



Summary for Subcatchment 183S: P3NNN

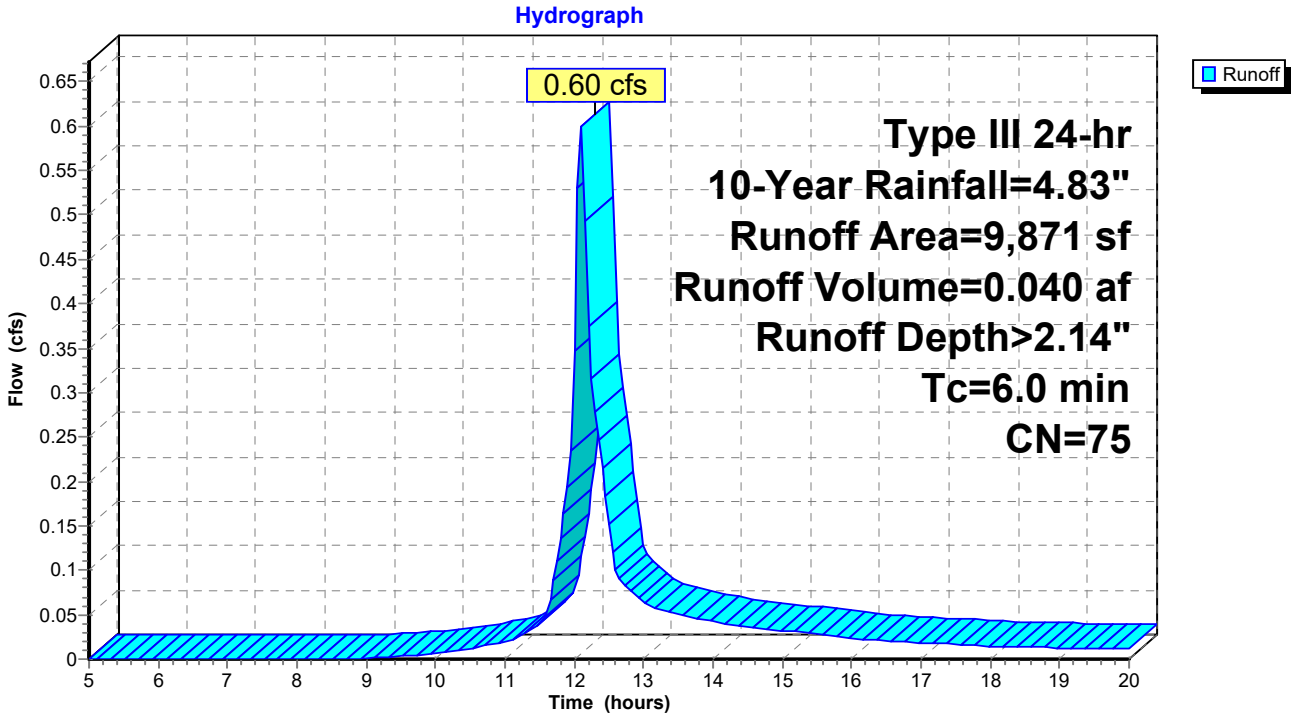
Runoff = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af, Depth> 2.14"
Routed to Pond 170P : CB 9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,796	39	>75% Grass cover, Good, HSG A
2,443	98	Unconnected roofs, HSG A
3,632	98	Paved parking, HSG A
9,871	75	Weighted Average
3,796		38.46% Pervious Area
6,075		61.54% Impervious Area
2,443		40.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 183S: P3NNN



Summary for Subcatchment 184S: P3OOO

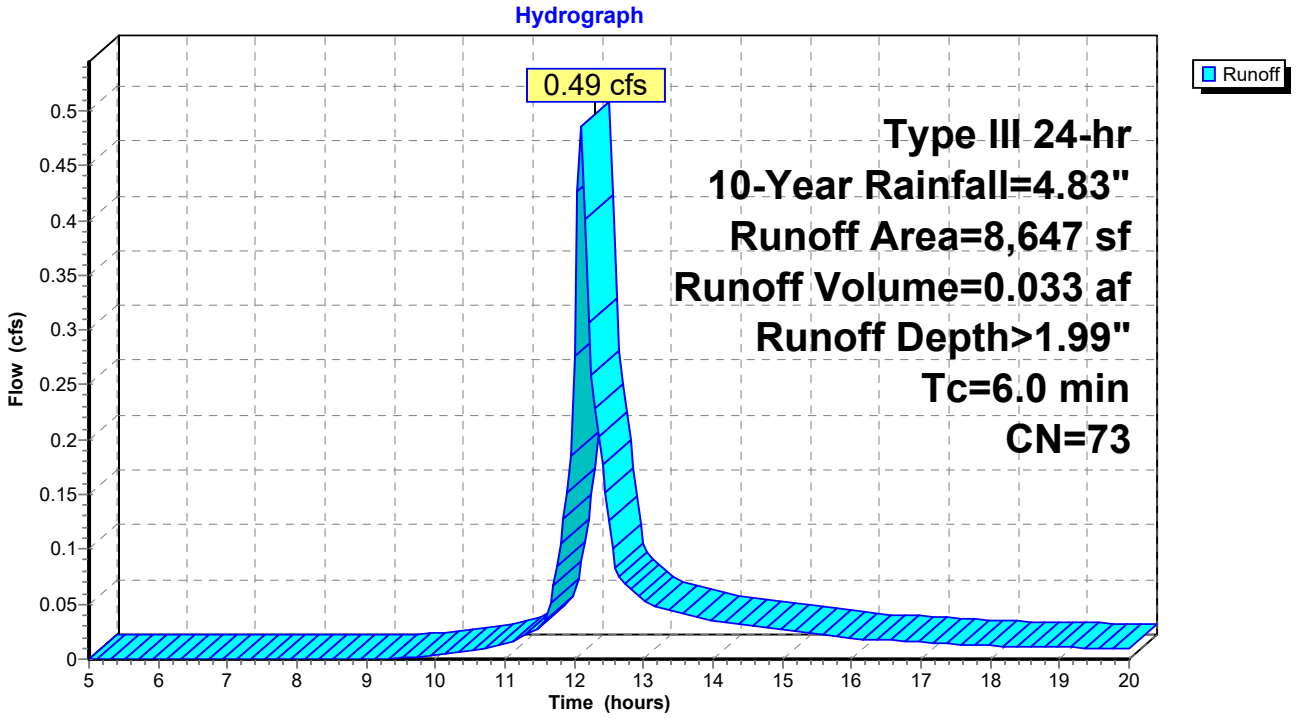
Runoff = 0.49 cfs @ 12.10 hrs, Volume= 0.033 af, Depth> 1.99"
Routed to Pond 176P : CB 6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,656	39	>75% Grass cover, Good, HSG A
1,177	98	Unconnected roofs, HSG A
3,814	98	Paved parking, HSG A
8,647	73	Weighted Average
3,656		42.28% Pervious Area
4,991		57.72% Impervious Area
1,177		23.58% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 184S: P3OOO



Summary for Subcatchment 185S: P3PPP

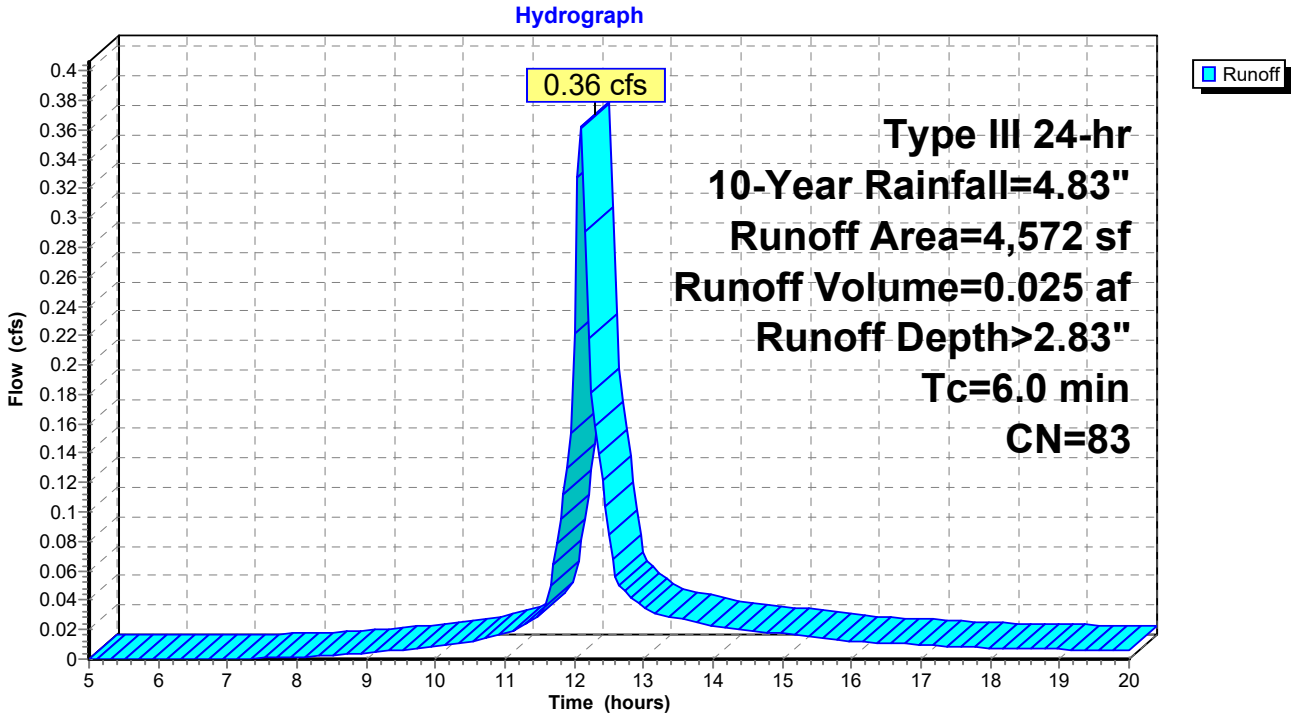
Runoff = 0.36 cfs @ 12.09 hrs, Volume= 0.025 af, Depth> 2.83"
Routed to Pond 182P : CB 7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,135	39	>75% Grass cover, Good, HSG A
1,267	98	Unconnected roofs, HSG A
2,170	98	Paved parking, HSG A
4,572	83	Weighted Average
1,135		24.83% Pervious Area
3,437		75.17% Impervious Area
1,267		36.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 185S: P3PPP



Summary for Subcatchment 186S: P3QQQ

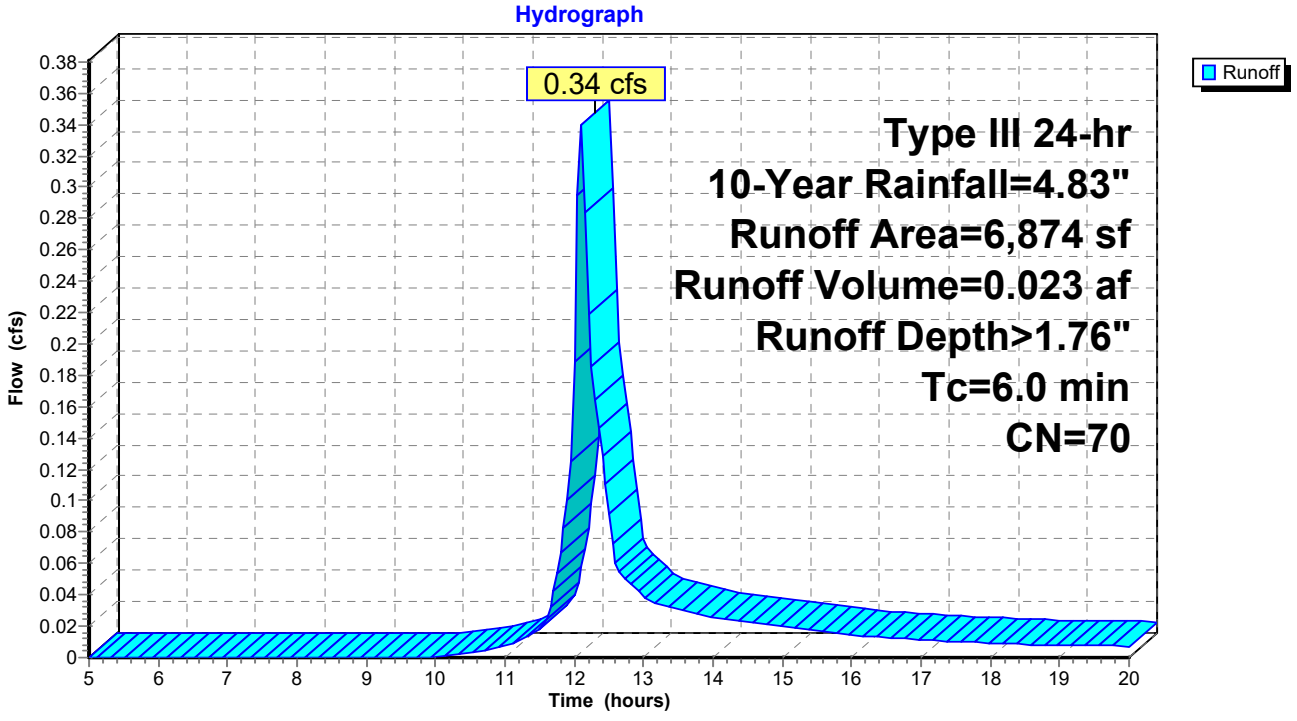
Runoff = 0.34 cfs @ 12.10 hrs, Volume= 0.023 af, Depth> 1.76"
Routed to Pond 188P : CB 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,125	39	>75% Grass cover, Good, HSG A
992	30	Woods, Good, HSG A
3,757	98	Paved parking, HSG A
6,874	70	Weighted Average
3,117		45.34% Pervious Area
3,757		54.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 186S: P3QQQ



Summary for Subcatchment 187S: P3RRR

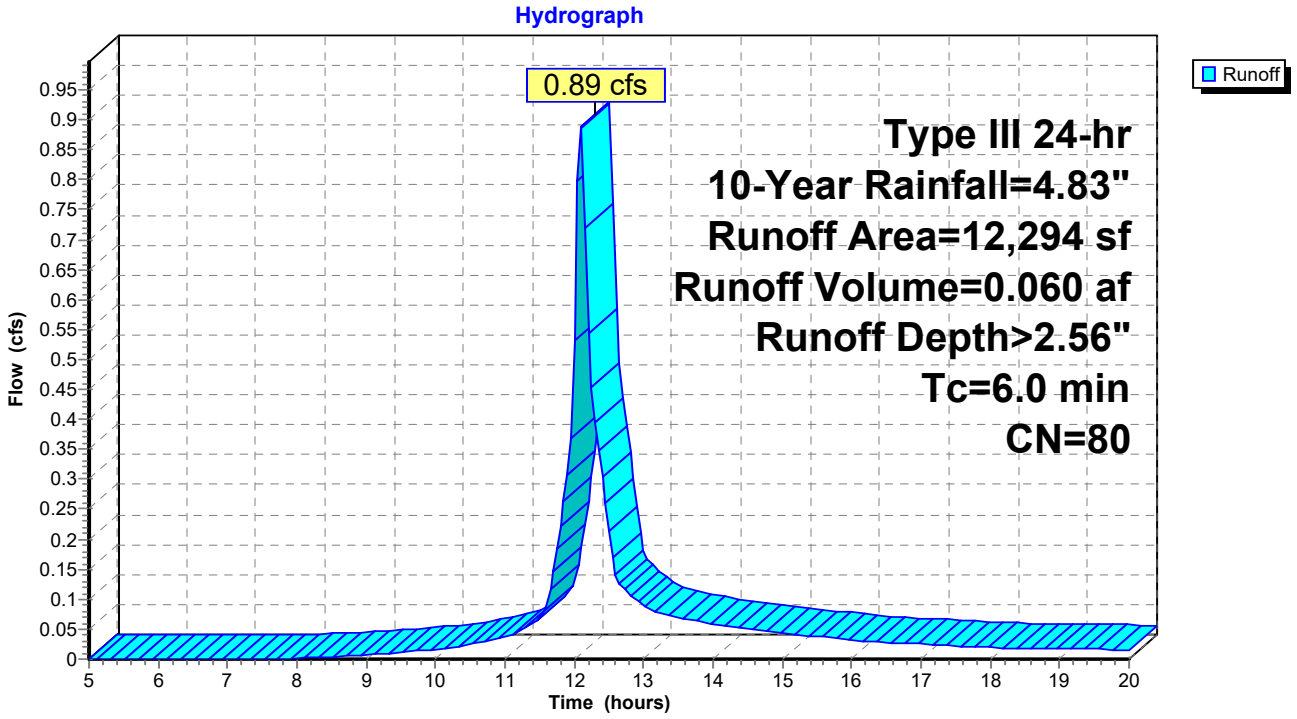
Runoff = 0.89 cfs @ 12.09 hrs, Volume= 0.060 af, Depth> 2.56"
Routed to Pond 189P : CB 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,803	39	>75% Grass cover, Good, HSG A
2,556	98	Unconnected roofs, HSG A
5,935	98	Paved parking, HSG A
12,294	80	Weighted Average
3,803		30.93% Pervious Area
8,491		69.07% Impervious Area
2,556		30.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 187S: P3RRR



Summary for Subcatchment 189S: (new Subcat)

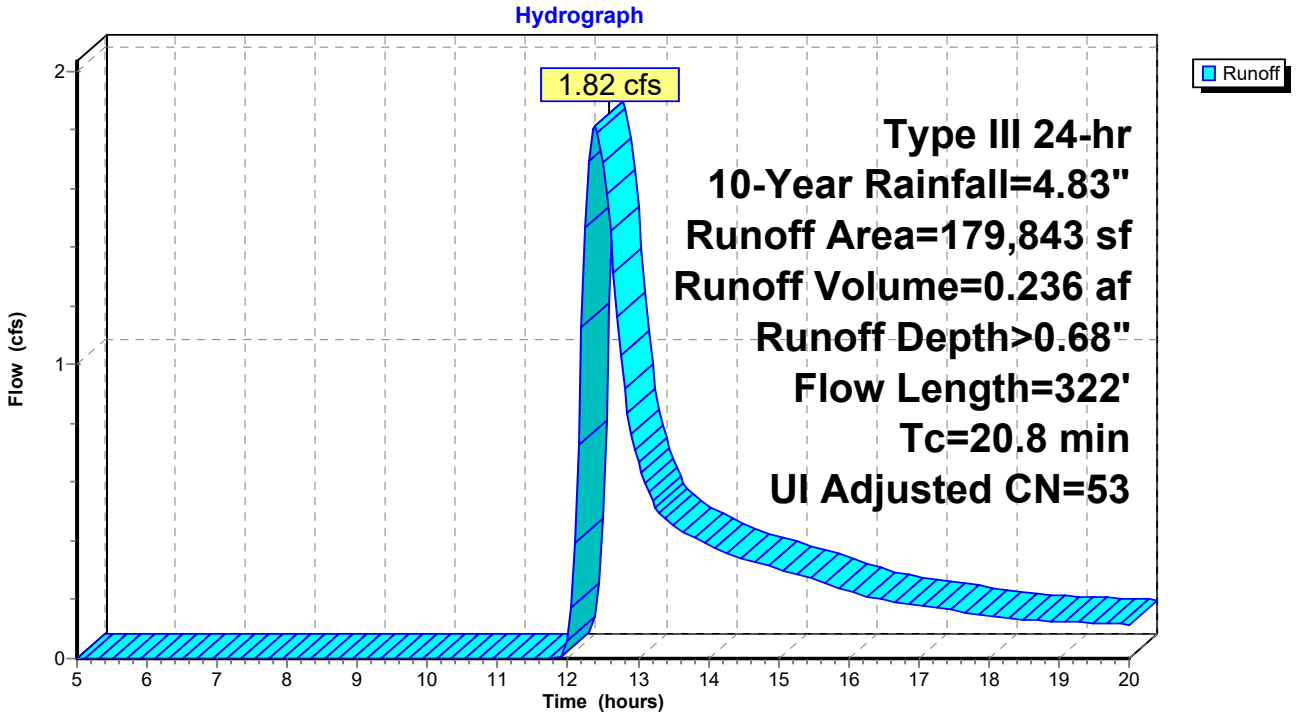
Runoff = 1.82 cfs @ 12.38 hrs, Volume= 0.236 af, Depth> 0.68"
Routed to Link 188L : DP 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
39,228	30		Woods, Good, HSG A
27,809	70		Woods, Good, HSG C
2,509	98		Unconnected roofs, HSG C
1,351	98		Unconnected pavement, HSG C
3,066	98		Unconnected roofs, HSG A
1,335	98		Unconnected pavement, HSG A
49,779	74		>75% Grass cover, Good, HSG C
54,766	39		>75% Grass cover, Good, HSG A
179,843	54	53	Weighted Average, UI Adjusted
171,582			95.41% Pervious Area
8,261			4.59% Impervious Area
8,261			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	50	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
4.3	272	0.0450	1.06		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
20.8	322	Total			

Subcatchment 189S: (new Subcat)



Summary for Subcatchment 190S: (new Subcat)

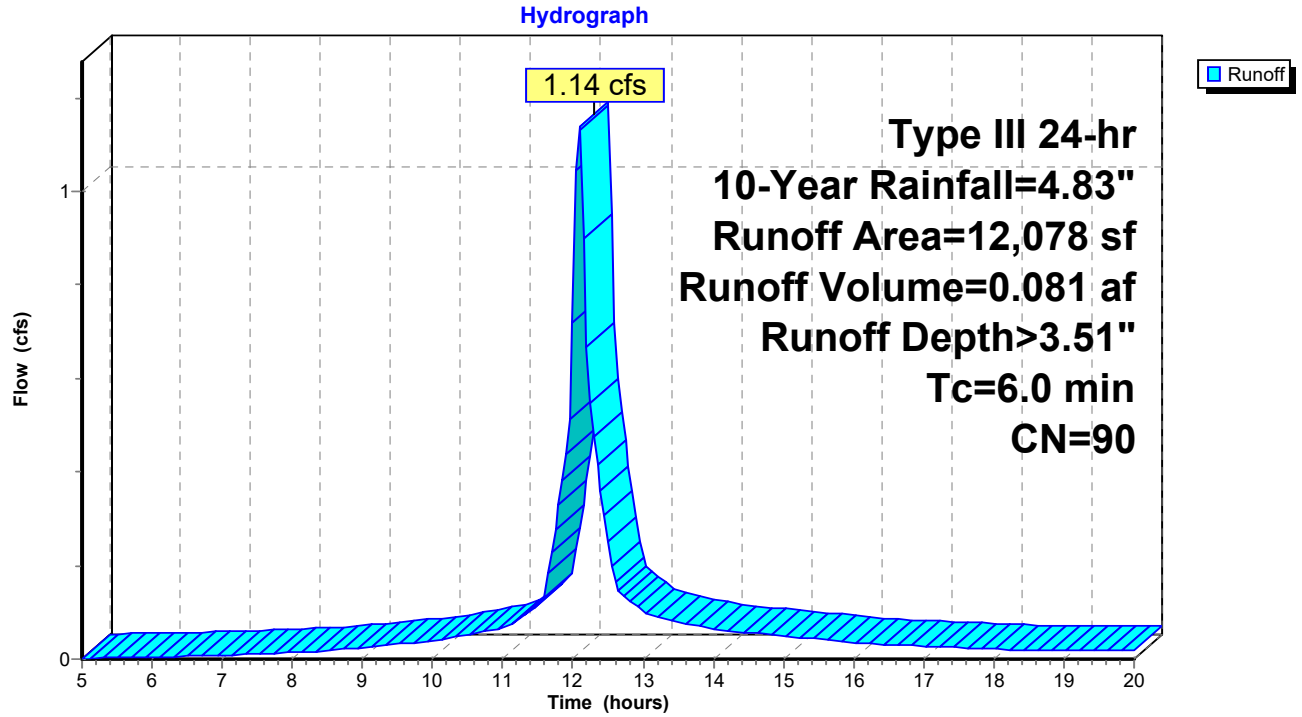
Runoff = 1.14 cfs @ 12.09 hrs, Volume= 0.081 af, Depth> 3.51"
Routed to Pond 191P : CB 42

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,763	98	Unconnected roofs, HSG A
1,707	39	>75% Grass cover, Good, HSG A
6,608	98	Paved parking, HSG A
12,078	90	Weighted Average
1,707		14.13% Pervious Area
10,371		85.87% Impervious Area
3,763		36.28% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 190S: (new Subcat)



Summary for Subcatchment 191S: P3SSS

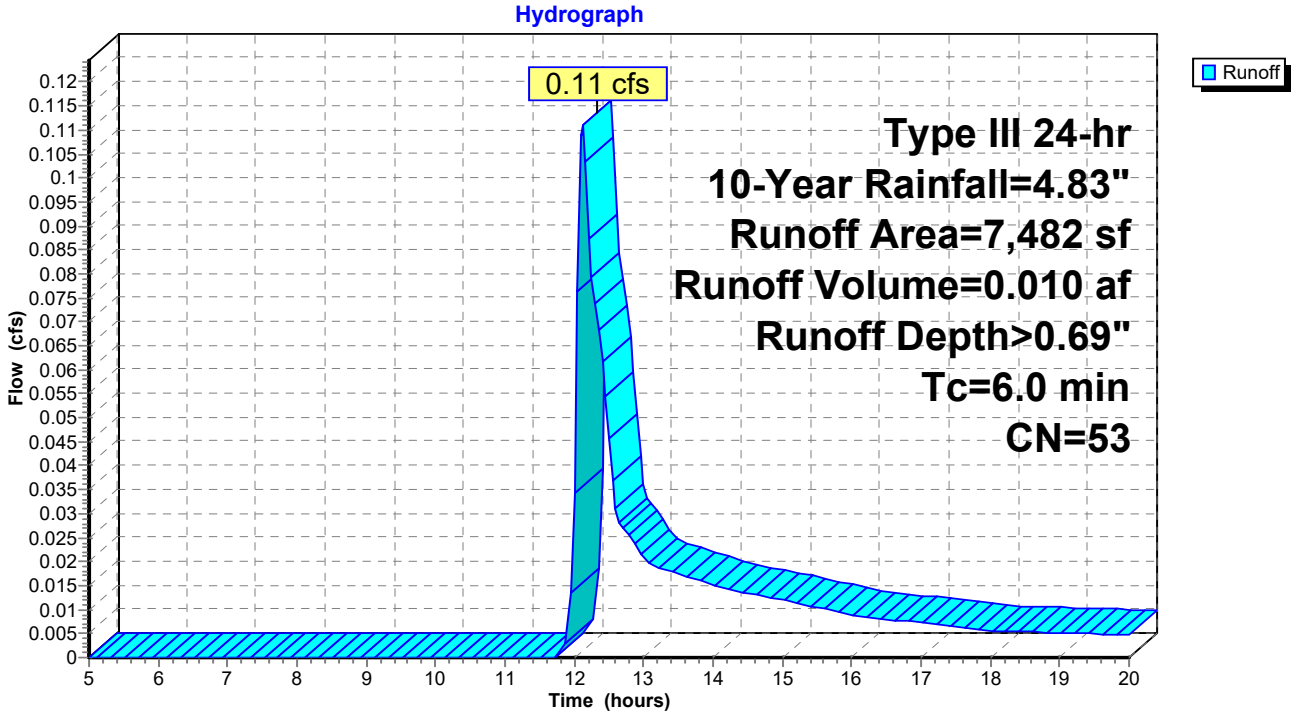
Runoff = 0.11 cfs @ 12.12 hrs, Volume= 0.010 af, Depth> 0.69"
Routed to Pond 193P : CB 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,068	39	>75% Grass cover, Good, HSG A
4,042	30	Woods, Good, HSG A
2,372	98	Paved parking, HSG A
7,482	53	Weighted Average
5,110		68.30% Pervious Area
2,372		31.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 191S: P3SSS



Summary for Subcatchment 192S: P3TTT

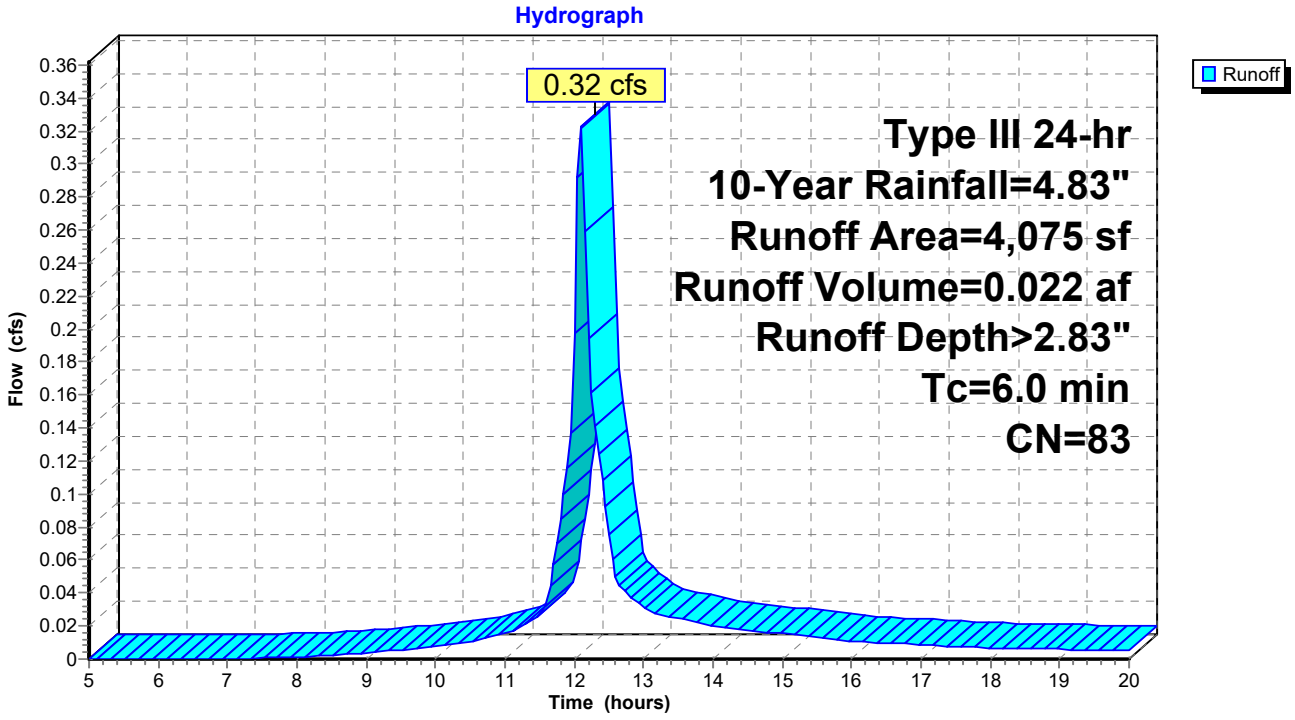
Runoff = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af, Depth> 2.83"
Routed to Pond 194P : CB 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
1,044	39	>75% Grass cover, Good, HSG A
3,031	98	Paved parking, HSG A
4,075	83	Weighted Average
1,044		25.62% Pervious Area
3,031		74.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 192S: P3TTT



Summary for Subcatchment 195S: P3UUU

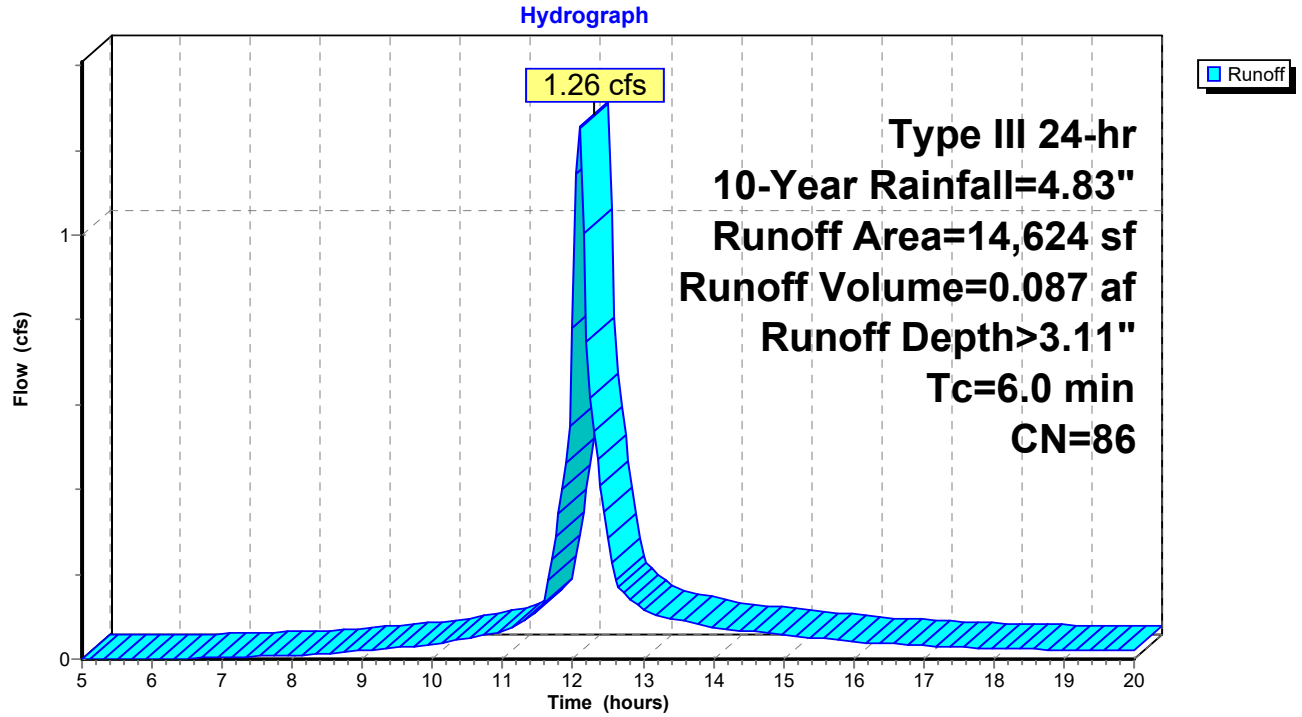
Runoff = 1.26 cfs @ 12.09 hrs, Volume= 0.087 af, Depth> 3.11"
Routed to Pond 196P : CB 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
2,892	39	>75% Grass cover, Good, HSG A
4,558	98	Unconnected roofs, HSG A
7,174	98	Paved parking, HSG A
14,624	86	Weighted Average
2,892		19.78% Pervious Area
11,732		80.22% Impervious Area
4,558		38.85% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 195S: P3UUU



Summary for Subcatchment 198S: P3VVV

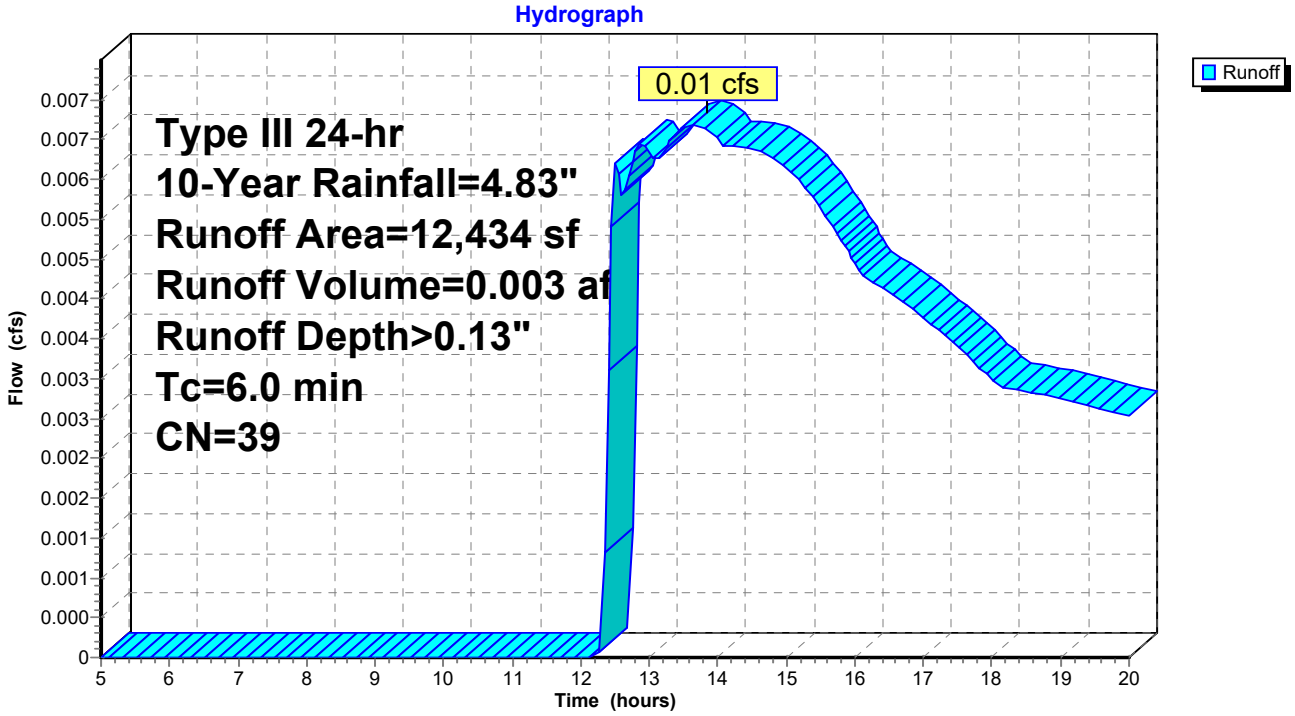
Runoff = 0.01 cfs @ 13.65 hrs, Volume= 0.003 af, Depth> 0.13"
Routed to Pond 197P : Inf. Basin 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
12,434	39	>75% Grass cover, Good, HSG A
12,434		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 198S: P3VVV



Summary for Subcatchment 202S: (new Subcat)

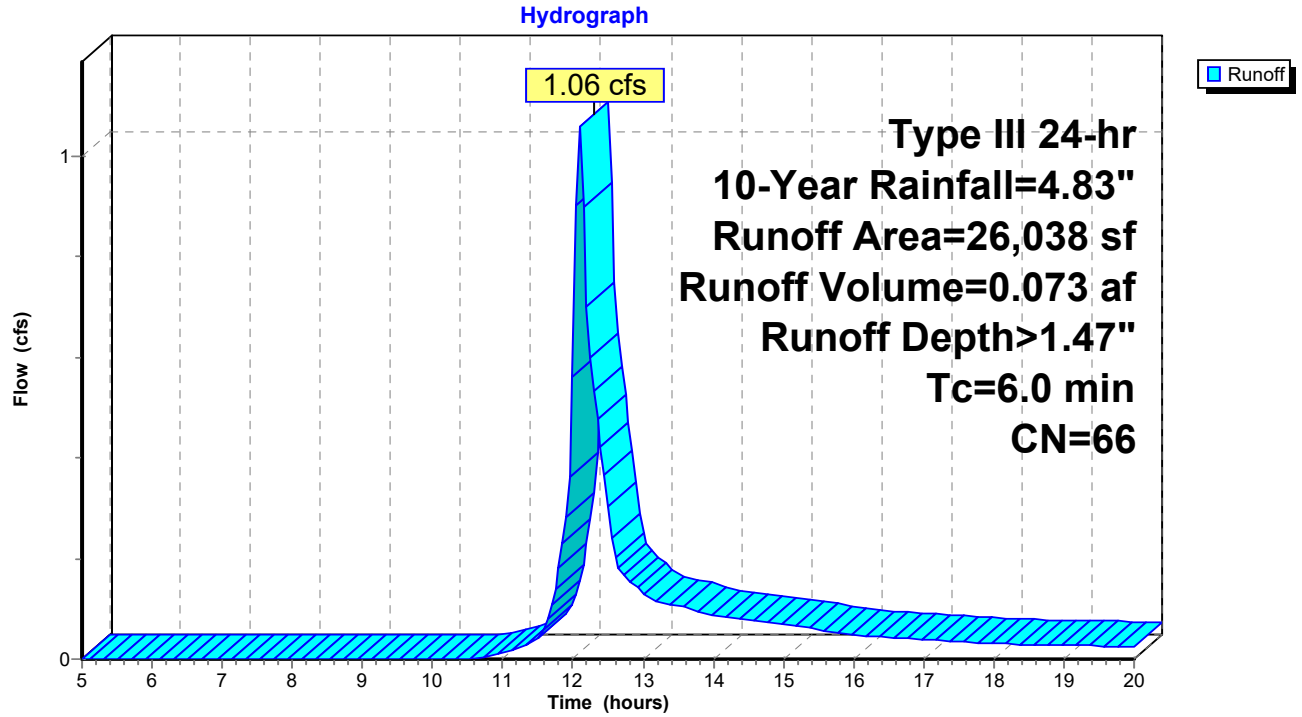
Runoff = 1.06 cfs @ 12.10 hrs, Volume= 0.073 af, Depth> 1.47"
Routed to Pond 201P : Sub. Inf. 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
9,091	98	Unconnected roofs, HSG A
2,905	98	Unconnected pavement, HSG A
14,042	39	>75% Grass cover, Good, HSG A
26,038	66	Weighted Average
14,042		53.93% Pervious Area
11,996		46.07% Impervious Area
11,996		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 202S: (new Subcat)



Summary for Subcatchment 204S: (new Subcat)

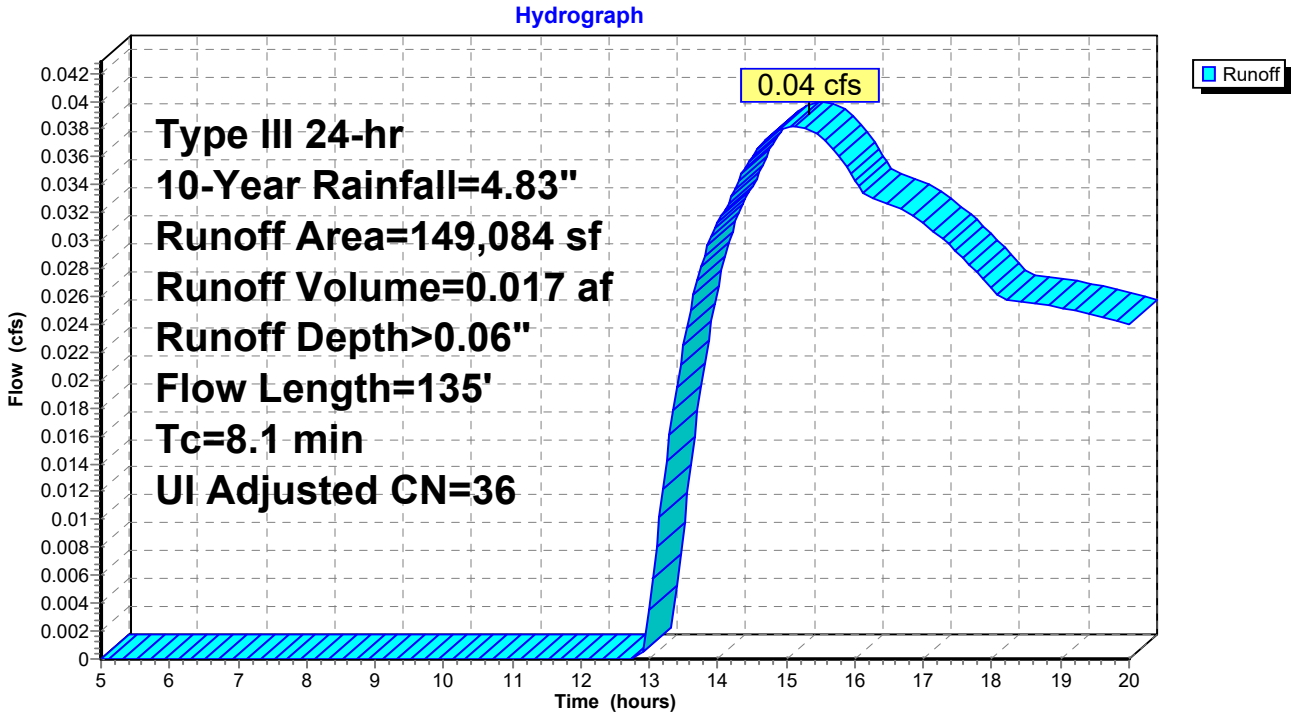
Runoff = 0.04 cfs @ 15.12 hrs, Volume= 0.017 af, Depth> 0.06"
Routed to Link 203L : 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
72,013	30		Woods, Good, HSG A
71,711	39		>75% Grass cover, Good, HSG A
3,689	98		Unconnected roofs, HSG A
1,671	98		Unconnected pavement, HSG A
149,084	37	36	Weighted Average, UI Adjusted
143,724			96.40% Pervious Area
5,360			3.60% Impervious Area
5,360			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
0.6	85	0.1200	2.42		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
8.1	135	Total			

Subcatchment 204S: (new Subcat)



Summary for Subcatchment 205S: (new Subcat)

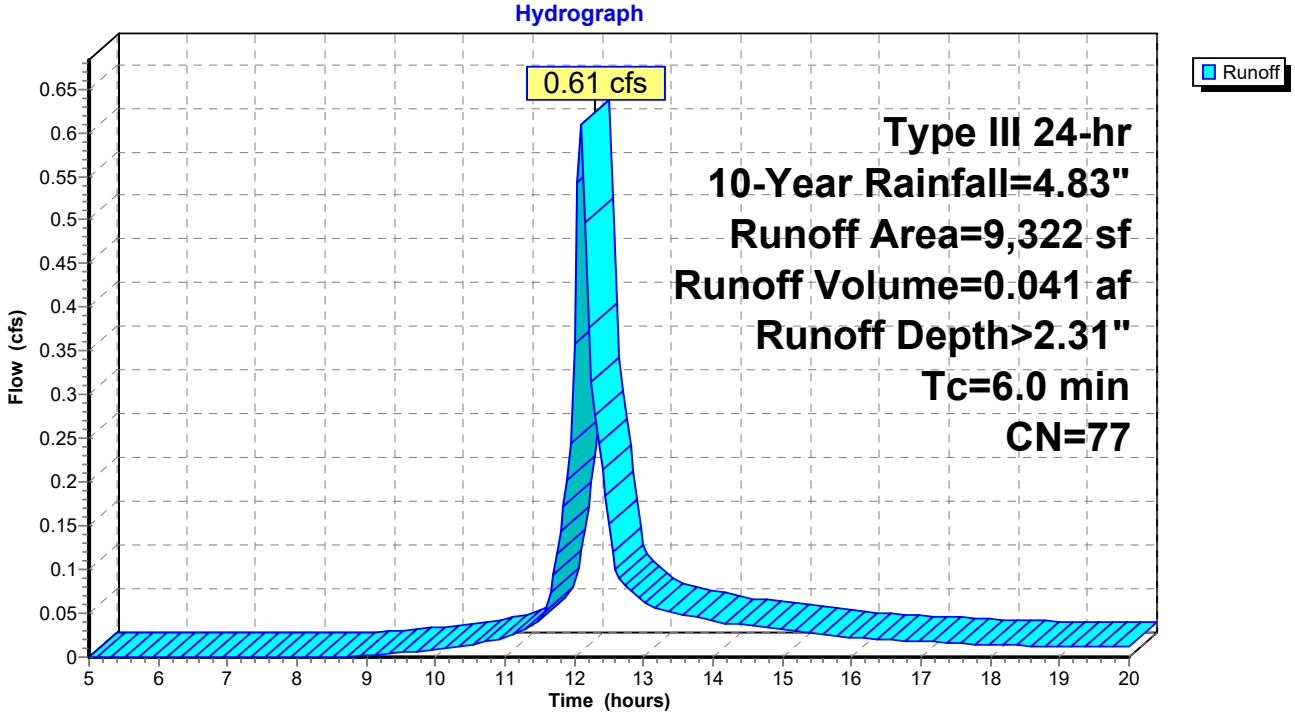
Runoff = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af, Depth> 2.31"
Routed to Pond 218P : CB A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
4,257	98	Paved parking, HSG A
1,759	98	Unconnected roofs, HSG A
3,306	39	>75% Grass cover, Good, HSG A
9,322	77	Weighted Average
3,306		35.46% Pervious Area
6,016		64.54% Impervious Area
1,759		29.24% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 205S: (new Subcat)



Summary for Subcatchment 206S: (new Subcat)

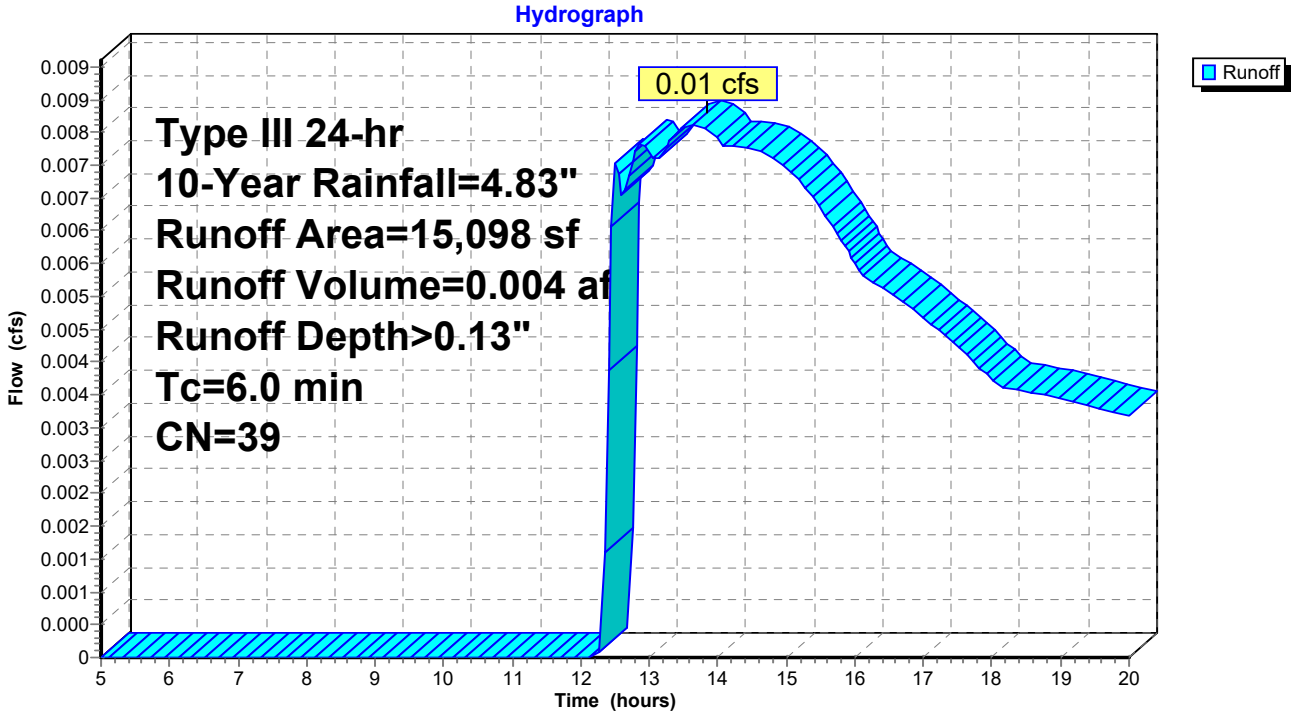
Runoff = 0.01 cfs @ 13.65 hrs, Volume= 0.004 af, Depth> 0.13"
Routed to Pond 186P : Constructed Wetland 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
15,098	39	>75% Grass cover, Good, HSG A
15,098		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 206S: (new Subcat)



Summary for Subcatchment 207S: (new Subcat)

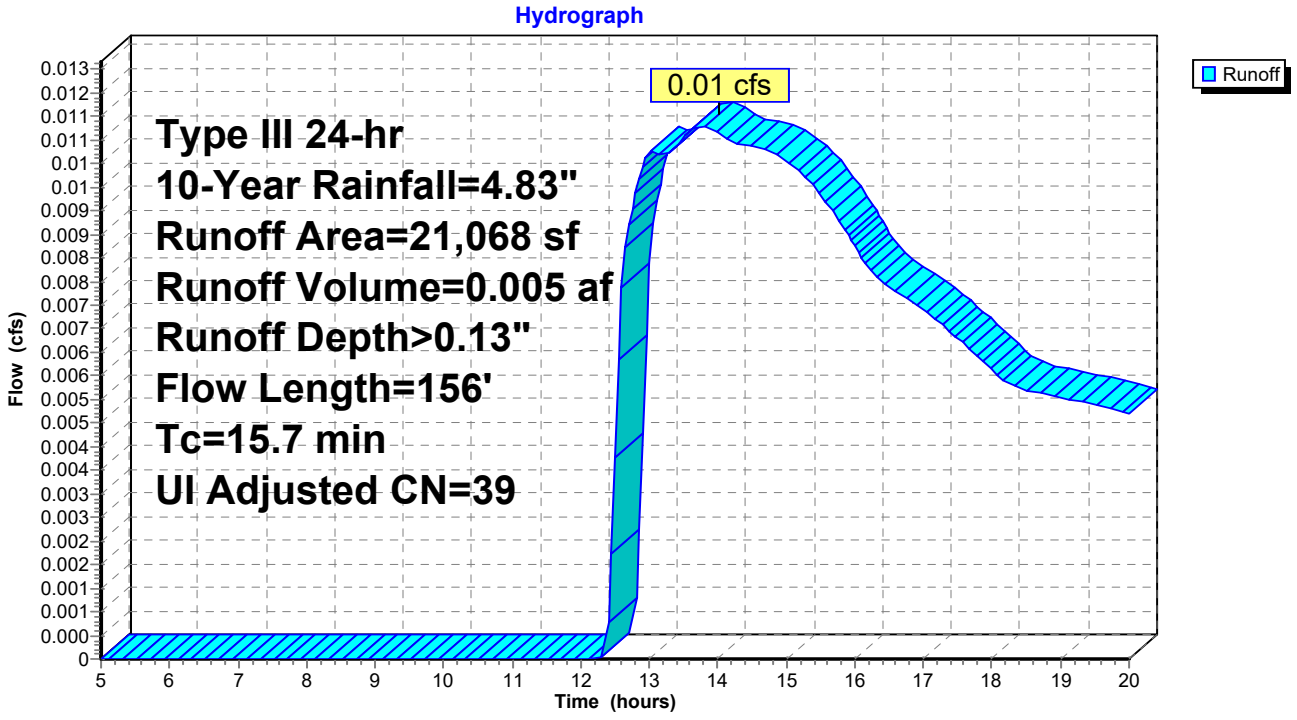
Runoff = 0.01 cfs @ 13.80 hrs, Volume= 0.005 af, Depth> 0.13"
Routed to Pond 216P : CB 8A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Adj	Description
1,937	98		Unconnected roofs, HSG A
1,504	98		Paved parking, HSG A
16,314	30		Woods, Good, HSG A
1,313	39		>75% Grass cover, Good, HSG A
21,068	42	39	Weighted Average, UI Adjusted
17,627			83.67% Pervious Area
3,441			16.33% Impervious Area
1,937			56.29% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.5	50	0.0250	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
4.2	106	0.0070	0.42		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
15.7	156	Total			

Subcatchment 207S: (new Subcat)



Summary for Subcatchment 216S: (new Subcat)

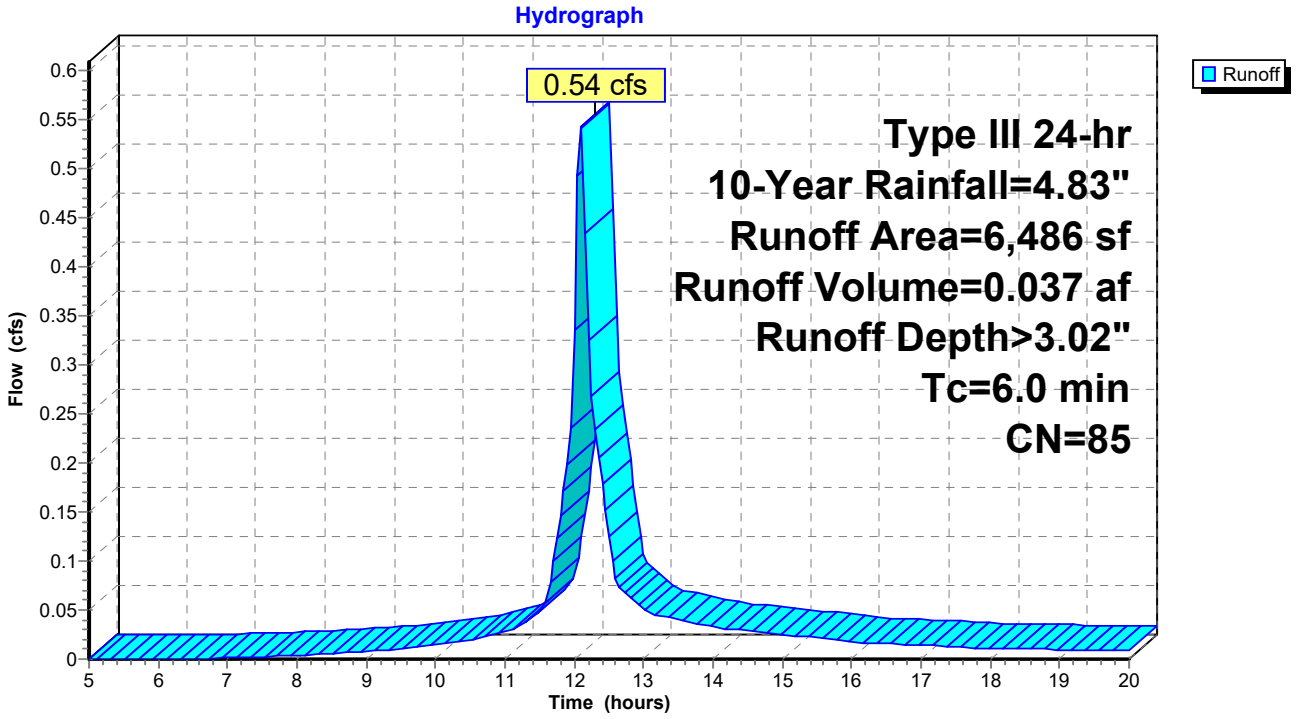
Runoff = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af, Depth> 3.02"
Routed to Pond 215P : CB 5A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.83"

Area (sf)	CN	Description
3,069	98	Paved parking, HSG A
1,946	98	Unconnected roofs, HSG A
1,471	39	>75% Grass cover, Good, HSG A
6,486	85	Weighted Average
1,471		22.68% Pervious Area
5,015		77.32% Impervious Area
1,946		38.80% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 216S: (new Subcat)



Summary for Pond 15P: Inf. Basin 5

Inflow Area = 2.511 ac, 70.09% Impervious, Inflow Depth > 3.60" for 10-Year event
Inflow = 10.32 cfs @ 12.09 hrs, Volume= 0.754 af
Outflow = 0.94 cfs @ 12.99 hrs, Volume= 0.471 af, Atten= 91%, Lag= 54.0 min
Discarded = 0.28 cfs @ 12.99 hrs, Volume= 0.243 af
Primary = 0.66 cfs @ 12.99 hrs, Volume= 0.229 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.53' @ 12.99 hrs Surf.Area= 8,488 sf Storage= 18,210 cf

Plug-Flow detention time= 179.9 min calculated for 0.470 af (62% of inflow)
Center-of-Mass det. time= 105.2 min (859.1 - 753.9)

Volume	Invert	Avail.Storage	Storage Description
#1	57.00'	31,893 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

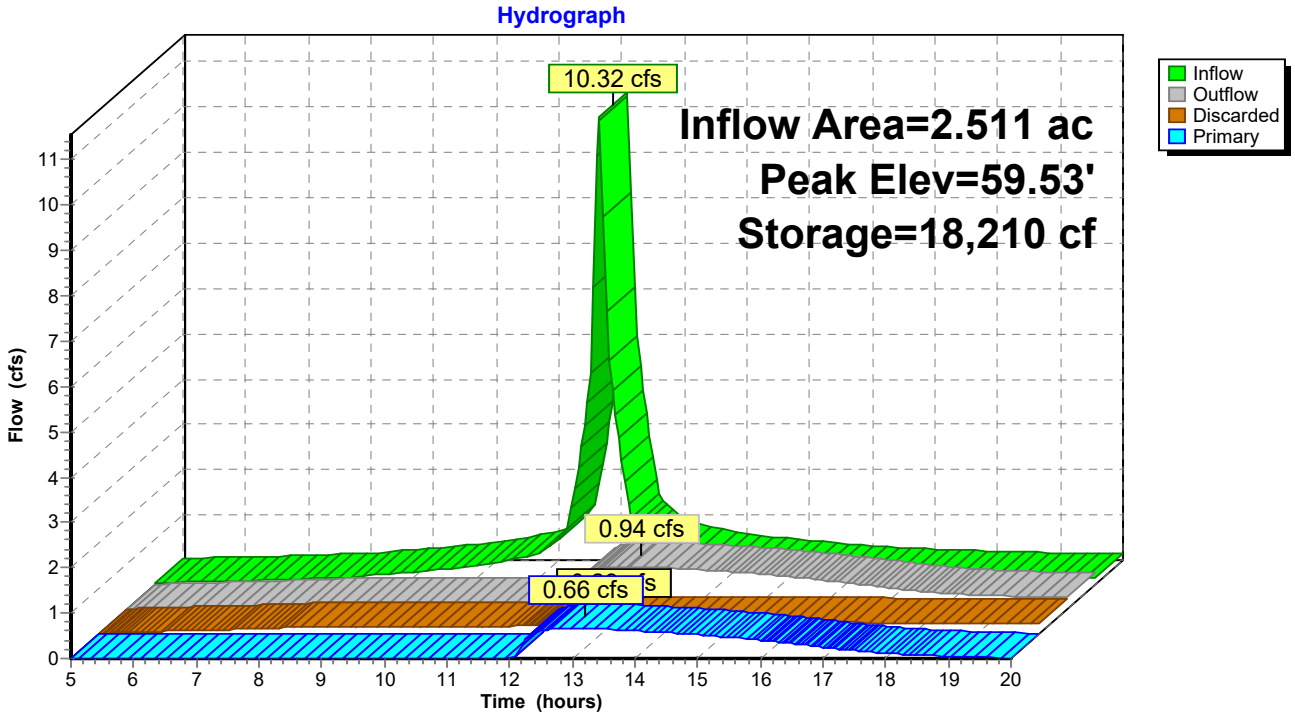
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
57.00	5,984	0	0
58.00	6,929	6,457	6,457
59.00	7,931	7,430	13,887
60.00	8,989	8,460	22,347
61.00	10,104	9,547	31,893

Device	Routing	Invert	Outlet Devices
#1	Discarded	57.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 52.00'
#2	Primary	57.00'	**18.0" Round Culvert** L= 67.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.00' / 52.50' S= 0.0672 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#3	Device 2	58.75'	**4.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	59.80'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.28 cfs @ 12.99 hrs HW=59.53' (Free Discharge)
└**1=Exfiltration** (Controls 0.28 cfs)

Primary OutFlow Max=0.66 cfs @ 12.99 hrs HW=59.53' (Free Discharge)
└**2=Culvert** (Passes 0.66 cfs of 8.95 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 0.66 cfs @ 3.76 fps)
  └**4=Orifice/Grate** (Controls 0.00 cfs)

Pond 15P: Inf. Basin 5



Stage-Area-Storage for Pond 15P: Inf. Basin 5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
57.00	5,984	0
57.05	6,031	300
57.10	6,079	603
57.15	6,126	908
57.20	6,173	1,216
57.25	6,220	1,526
57.30	6,267	1,838
57.35	6,315	2,152
57.40	6,362	2,469
57.45	6,409	2,788
57.50	6,457	3,110
57.55	6,504	3,434
57.60	6,551	3,761
57.65	6,598	4,089
57.70	6,646	4,420
57.75	6,693	4,754
57.80	6,740	5,090
57.85	6,787	5,428
57.90	6,834	5,768
57.95	6,882	6,111
58.00	6,929	6,457
58.05	6,979	6,804
58.10	7,029	7,154
58.15	7,079	7,507
58.20	7,129	7,862
58.25	7,180	8,220
58.30	7,230	8,580
58.35	7,280	8,943
58.40	7,330	9,308
58.45	7,380	9,676
58.50	7,430	10,046
58.55	7,480	10,419
58.60	7,530	10,794
58.65	7,580	11,172
58.70	7,630	11,552
58.75	7,681	11,935
58.80	7,731	12,320
58.85	7,781	12,708
58.90	7,831	13,098
58.95	7,881	13,491
59.00	7,931	13,887
59.05	7,984	14,284
59.10	8,037	14,685
59.15	8,090	15,088
59.20	8,143	15,494
59.25	8,196	15,902
59.30	8,248	16,313
59.35	8,301	16,727
59.40	8,354	17,144
59.45	8,407	17,563
59.50	8,460	17,984
59.55	8,513	18,409
59.60	8,566	18,836
59.65	8,619	19,265
59.70	8,672	19,697
59.75	8,725	20,132
59.80	8,777	20,570
59.85	8,830	21,010
59.90	8,883	21,453
59.95	8,936	21,898
60.00	8,989	22,347
60.05	9,045	22,797
60.10	9,101	23,251
60.15	9,156	23,707
60.20	9,212	24,167
60.25	9,268	24,629
60.30	9,323	25,093
60.35	9,379	25,561
60.40	9,435	26,031
60.45	9,491	26,504
60.50	9,547	26,980
60.55	9,602	27,459
60.60	9,658	27,941
60.65	9,714	28,425
60.70	9,770	28,912
60.75	9,825	29,402
60.80	9,881	29,894
60.85	9,937	30,390
60.90	9,992	30,888
60.95	10,048	31,389
61.00	**10,104**	**31,893**

Summary for Pond 16P: CB 58

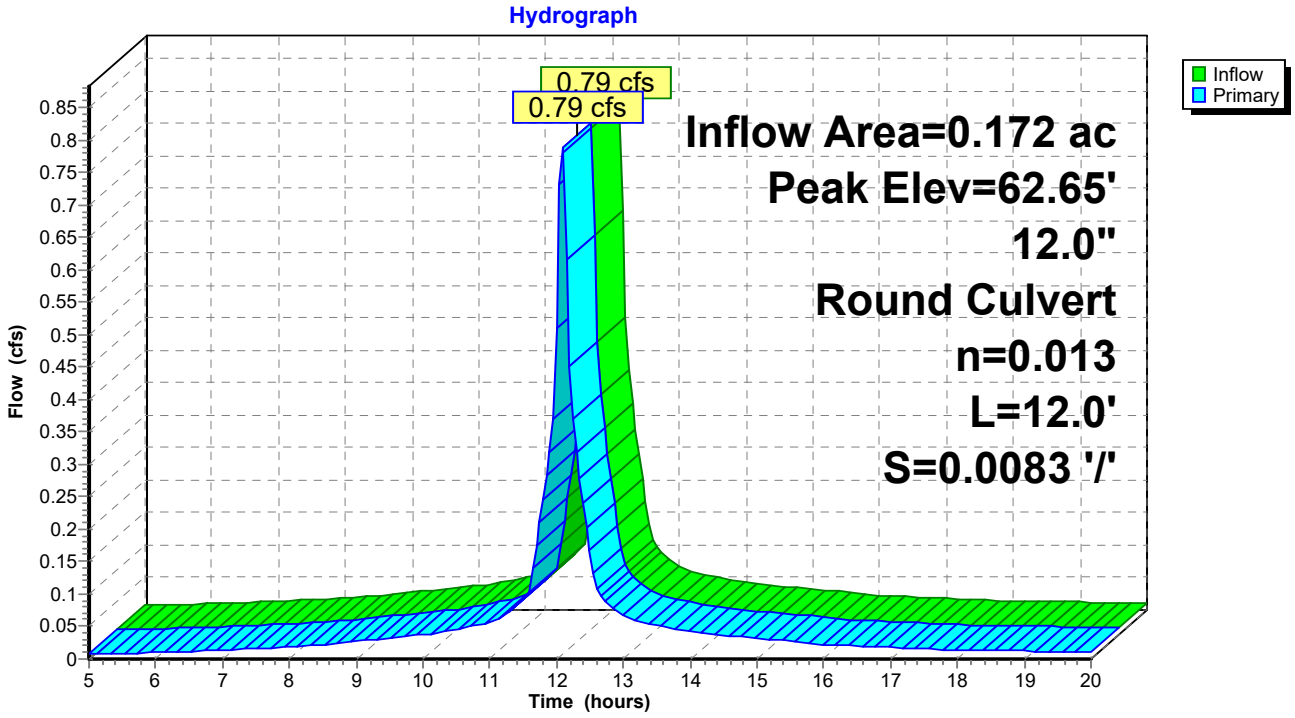
Inflow Area = 0.172 ac, 96.61% Impervious, Inflow Depth > 4.19" for 10-Year event
Inflow = 0.79 cfs @ 12.09 hrs, Volume= 0.060 af
Outflow = 0.79 cfs @ 12.09 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.79 cfs @ 12.09 hrs, Volume= 0.060 af
Routed to Pond 20P : DMH 43

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.65' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 62.00' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.77 cfs @ 12.09 hrs HW=62.64' (Free Discharge)
1=Culvert (Barrel Controls 0.77 cfs @ 2.54 fps)

Pond 16P: CB 58



Stage-Area-Storage for Pond 16P: CB 58

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000		
62.59	0.000		
62.60	0.000		
62.61	0.000		
62.62	0.000		

Summary for Pond 17P: CB 59

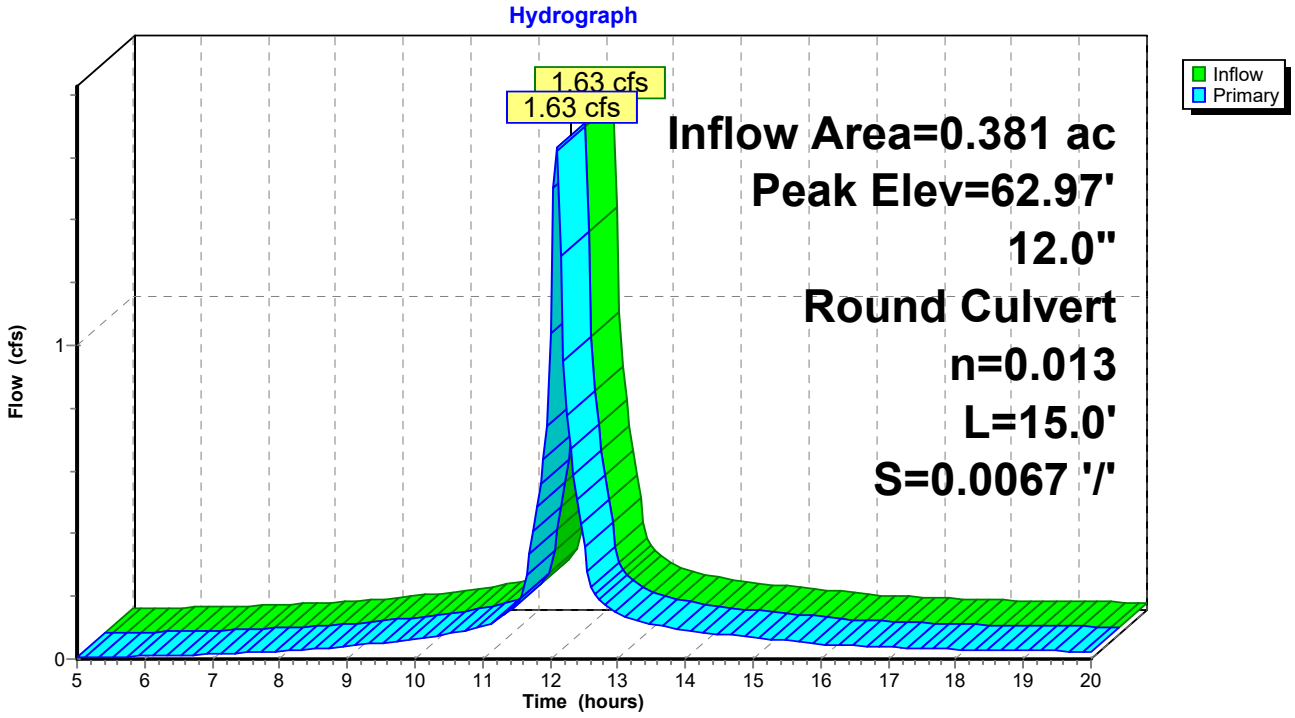
Inflow Area = 0.381 ac, 74.19% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 1.63 cfs @ 12.09 hrs, Volume= 0.118 af
Outflow = 1.63 cfs @ 12.09 hrs, Volume= 0.118 af, Atten= 0%, Lag= 0.0 min
Primary = 1.63 cfs @ 12.09 hrs, Volume= 0.118 af
Routed to Pond 20P : DMH 43

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 62.00' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.59 cfs @ 12.09 hrs HW=62.96' (Free Discharge)
1=Culvert (Barrel Controls 1.59 cfs @ 2.97 fps)

Pond 17P: CB 59



Stage-Area-Storage for Pond 17P: CB 59

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000		
62.59	0.000		
62.60	0.000		
62.61	0.000		
62.62	0.000		

Summary for Pond 18P: CB 63

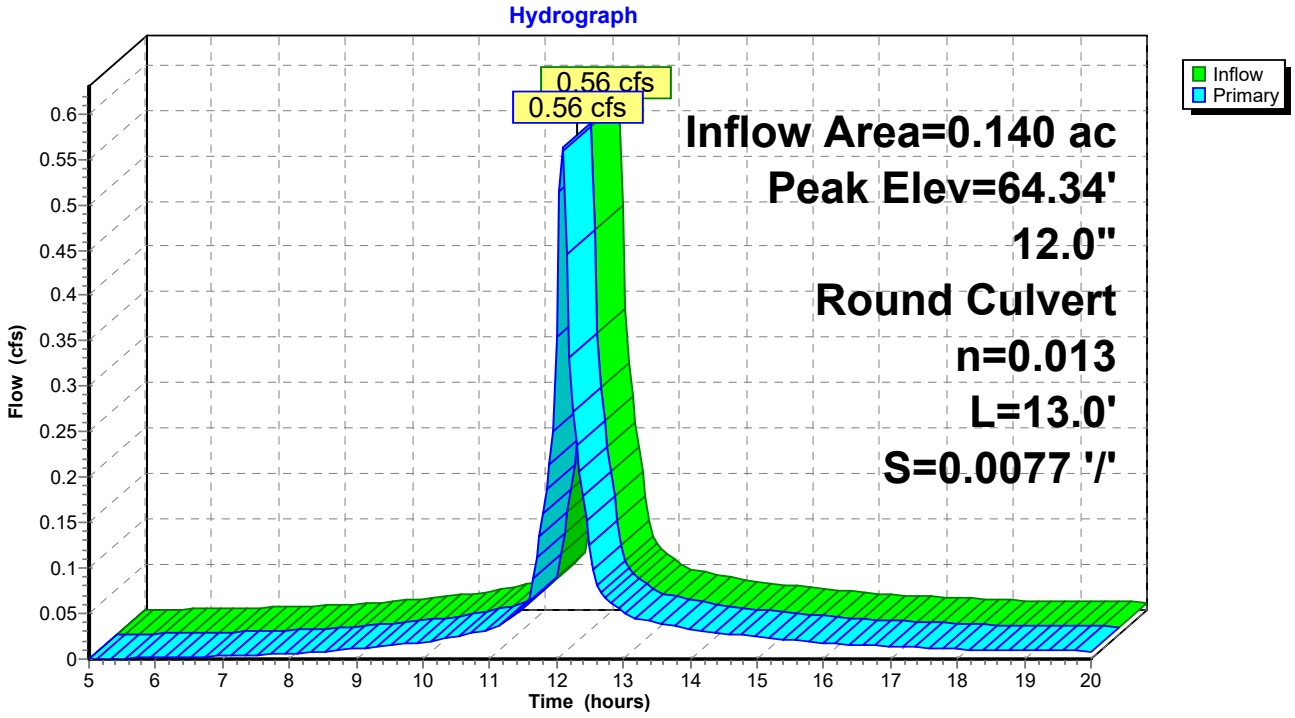
Inflow Area = 0.140 ac, 64.30% Impervious, Inflow Depth > 3.41" for 10-Year event
Inflow = 0.56 cfs @ 12.09 hrs, Volume= 0.040 af
Outflow = 0.56 cfs @ 12.09 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.56 cfs @ 12.09 hrs, Volume= 0.040 af
Routed to Pond 25P : DMH 45

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.34' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.88'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.88' / 63.78' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.55 cfs @ 12.09 hrs HW=64.33' (Free Discharge)
1=Culvert (Barrel Controls 0.55 cfs @ 2.34 fps)

Pond 18P: CB 63



Stage-Area-Storage for Pond 18P: CB 63

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.88	**0.000**	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000	64.69	0.000
64.17	0.000	64.70	0.000
64.18	0.000	64.71	0.000
64.19	0.000	64.72	0.000
64.20	0.000	64.73	0.000
64.21	0.000	64.74	0.000
64.22	0.000	64.75	0.000
64.23	0.000	64.76	0.000
64.24	0.000	64.77	0.000
64.25	0.000	64.78	0.000
64.26	0.000	64.79	0.000
64.27	0.000	64.80	0.000
64.28	0.000	64.81	0.000
64.29	0.000	64.82	0.000
64.30	0.000	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000		
64.37	0.000		
64.38	0.000		
64.39	0.000		
64.40	0.000		

Summary for Pond 19P: CB 62

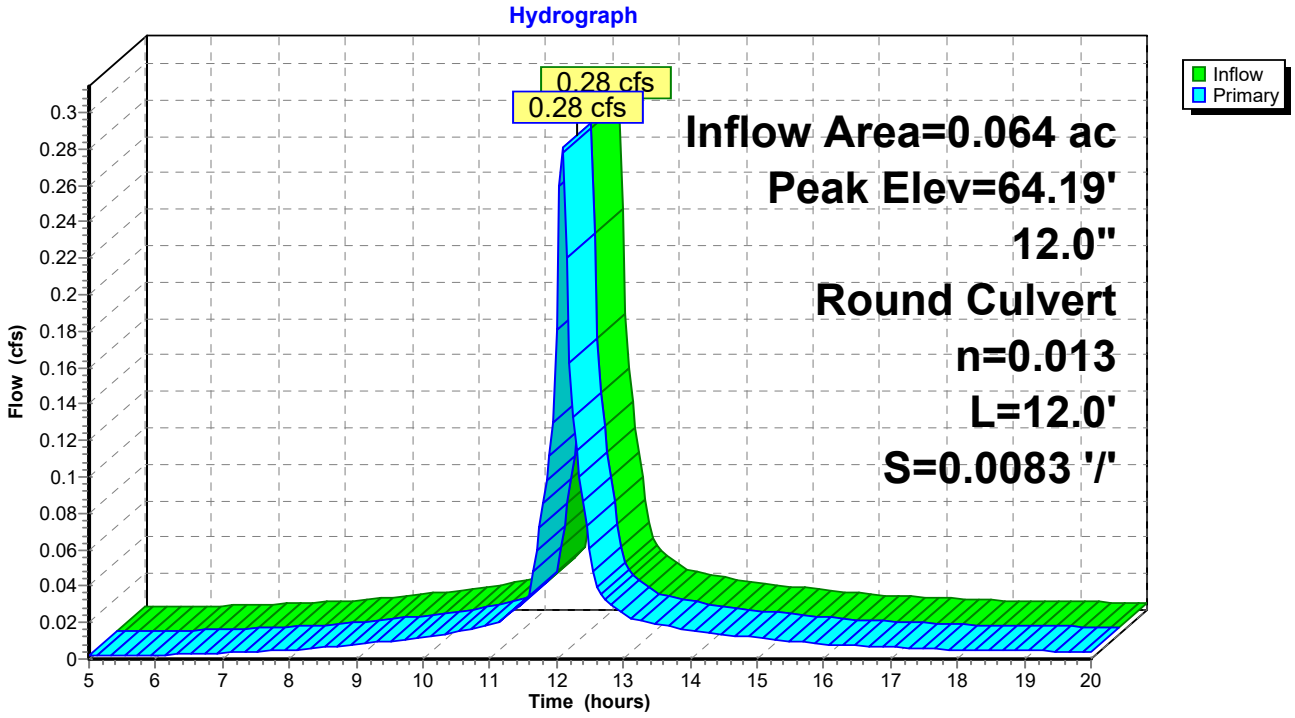
Inflow Area = 0.064 ac, 81.50% Impervious, Inflow Depth > 3.91" for 10-Year event
Inflow = 0.28 cfs @ 12.09 hrs, Volume= 0.021 af
Outflow = 0.28 cfs @ 12.09 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min
Primary = 0.28 cfs @ 12.09 hrs, Volume= 0.021 af
Routed to Pond 25P : DMH 45

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.88'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.88' / 63.78' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=64.18' (Free Discharge)
1=Culvert (Barrel Controls 0.27 cfs @ 2.03 fps)

Pond 19P: CB 62



Stage-Area-Storage for Pond 19P: CB 62

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.88	**0.000**	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000	64.69	0.000
64.17	0.000	64.70	0.000
64.18	0.000	64.71	0.000
64.19	0.000	64.72	0.000
64.20	0.000	64.73	0.000
64.21	0.000	64.74	0.000
64.22	0.000	64.75	0.000
64.23	0.000	64.76	0.000
64.24	0.000	64.77	0.000
64.25	0.000	64.78	0.000
64.26	0.000	64.79	0.000
64.27	0.000	64.80	0.000
64.28	0.000	64.81	0.000
64.29	0.000	64.82	0.000
64.30	0.000	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000		
64.37	0.000		
64.38	0.000		
64.39	0.000		
64.40	0.000		

Summary for Pond 20P: DMH 43

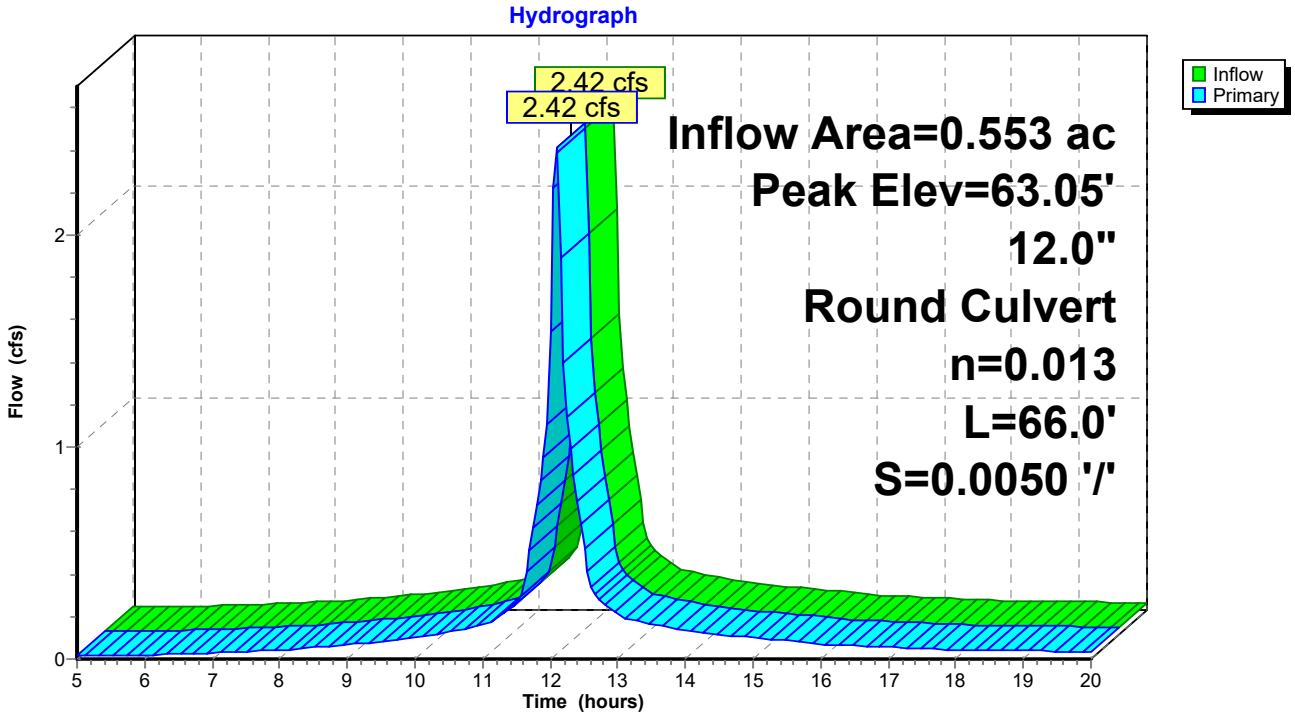
Inflow Area = 0.553 ac, 81.18% Impervious, Inflow Depth > 3.86" for 10-Year event
Inflow = 2.42 cfs @ 12.09 hrs, Volume= 0.178 af
Outflow = 2.42 cfs @ 12.09 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 2.42 cfs @ 12.09 hrs, Volume= 0.178 af
Routed to Pond 21P : DMH 42

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.90'	**12.0" Round Culvert** L= 66.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.90' / 61.57' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.36 cfs @ 12.09 hrs HW=63.02' (Free Discharge)
1=Culvert (Inlet Controls 2.36 cfs @ 3.00 fps)

Pond 20P: DMH 43



Stage-Area-Storage for Pond 20P: DMH 43

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.90	**0.000**	62.43	0.000	62.96	0.000
61.91	0.000	62.44	0.000	62.97	0.000
61.92	0.000	62.45	0.000	62.98	0.000
61.93	0.000	62.46	0.000	62.99	0.000
61.94	0.000	62.47	0.000	63.00	0.000
61.95	0.000	62.48	0.000	63.01	0.000
61.96	0.000	62.49	0.000	63.02	0.000
61.97	0.000	62.50	0.000	63.03	0.000
61.98	0.000	62.51	0.000	63.04	0.000
61.99	0.000	62.52	0.000	63.05	0.000
62.00	0.000	62.53	0.000		
62.01	0.000	62.54	0.000		
62.02	0.000	62.55	0.000		
62.03	0.000	62.56	0.000		
62.04	0.000	62.57	0.000		
62.05	0.000	62.58	0.000		
62.06	0.000	62.59	0.000		
62.07	0.000	62.60	0.000		
62.08	0.000	62.61	0.000		
62.09	0.000	62.62	0.000		
62.10	0.000	62.63	0.000		
62.11	0.000	62.64	0.000		
62.12	0.000	62.65	0.000		
62.13	0.000	62.66	0.000		
62.14	0.000	62.67	0.000		
62.15	0.000	62.68	0.000		
62.16	0.000	62.69	0.000		
62.17	0.000	62.70	0.000		
62.18	0.000	62.71	0.000		
62.19	0.000	62.72	0.000		
62.20	0.000	62.73	0.000		
62.21	0.000	62.74	0.000		
62.22	0.000	62.75	0.000		
62.23	0.000	62.76	0.000		
62.24	0.000	62.77	0.000		
62.25	0.000	62.78	0.000		
62.26	0.000	62.79	0.000		
62.27	0.000	62.80	0.000		
62.28	0.000	62.81	0.000		
62.29	0.000	62.82	0.000		
62.30	0.000	62.83	0.000		
62.31	0.000	62.84	0.000		
62.32	0.000	62.85	0.000		
62.33	0.000	62.86	0.000		
62.34	0.000	62.87	0.000		
62.35	0.000	62.88	0.000		
62.36	0.000	62.89	0.000		
62.37	0.000	62.90	0.000		
62.38	0.000	62.91	0.000		
62.39	0.000	62.92	0.000		
62.40	0.000	62.93	0.000		
62.41	0.000	62.94	0.000		
62.42	0.000	62.95	0.000		

Summary for Pond 21P: DMH 42

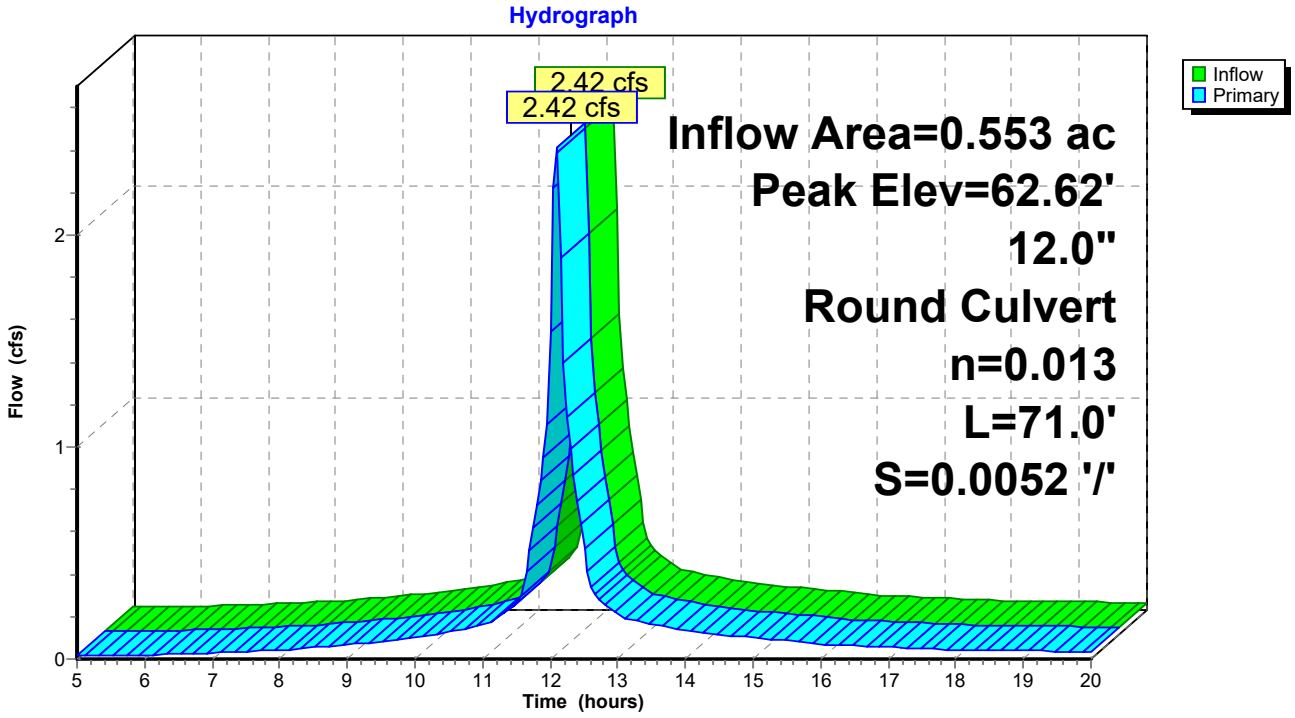
Inflow Area = 0.553 ac, 81.18% Impervious, Inflow Depth > 3.86" for 10-Year event
Inflow = 2.42 cfs @ 12.09 hrs, Volume= 0.178 af
Outflow = 2.42 cfs @ 12.09 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 2.42 cfs @ 12.09 hrs, Volume= 0.178 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.62' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.47'	**12.0" Round Culvert** L= 71.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.47' / 61.10' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.35 cfs @ 12.09 hrs HW=62.59' (Free Discharge)
1=Culvert (Inlet Controls 2.35 cfs @ 3.00 fps)

Pond 21P: DMH 42



Stage-Area-Storage for Pond 21P: DMH 42

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.47	**0.000**	62.00	0.000	62.53	0.000
61.48	0.000	62.01	0.000	62.54	0.000
61.49	0.000	62.02	0.000	62.55	0.000
61.50	0.000	62.03	0.000	62.56	0.000
61.51	0.000	62.04	0.000	62.57	0.000
61.52	0.000	62.05	0.000	62.58	0.000
61.53	0.000	62.06	0.000	62.59	0.000
61.54	0.000	62.07	0.000	62.60	0.000
61.55	0.000	62.08	0.000	62.61	0.000
61.56	0.000	62.09	0.000	62.62	0.000
61.57	0.000	62.10	0.000		
61.58	0.000	62.11	0.000		
61.59	0.000	62.12	0.000		
61.60	0.000	62.13	0.000		
61.61	0.000	62.14	0.000		
61.62	0.000	62.15	0.000		
61.63	0.000	62.16	0.000		
61.64	0.000	62.17	0.000		
61.65	0.000	62.18	0.000		
61.66	0.000	62.19	0.000		
61.67	0.000	62.20	0.000		
61.68	0.000	62.21	0.000		
61.69	0.000	62.22	0.000		
61.70	0.000	62.23	0.000		
61.71	0.000	62.24	0.000		
61.72	0.000	62.25	0.000		
61.73	0.000	62.26	0.000		
61.74	0.000	62.27	0.000		
61.75	0.000	62.28	0.000		
61.76	0.000	62.29	0.000		
61.77	0.000	62.30	0.000		
61.78	0.000	62.31	0.000		
61.79	0.000	62.32	0.000		
61.80	0.000	62.33	0.000		
61.81	0.000	62.34	0.000		
61.82	0.000	62.35	0.000		
61.83	0.000	62.36	0.000		
61.84	0.000	62.37	0.000		
61.85	0.000	62.38	0.000		
61.86	0.000	62.39	0.000		
61.87	0.000	62.40	0.000		
61.88	0.000	62.41	0.000		
61.89	0.000	62.42	0.000		
61.90	0.000	62.43	0.000		
61.91	0.000	62.44	0.000		
61.92	0.000	62.45	0.000		
61.93	0.000	62.46	0.000		
61.94	0.000	62.47	0.000		
61.95	0.000	62.48	0.000		
61.96	0.000	62.49	0.000		
61.97	0.000	62.50	0.000		
61.98	0.000	62.51	0.000		
61.99	0.000	62.52	0.000		

Summary for Pond 22P: CB 56

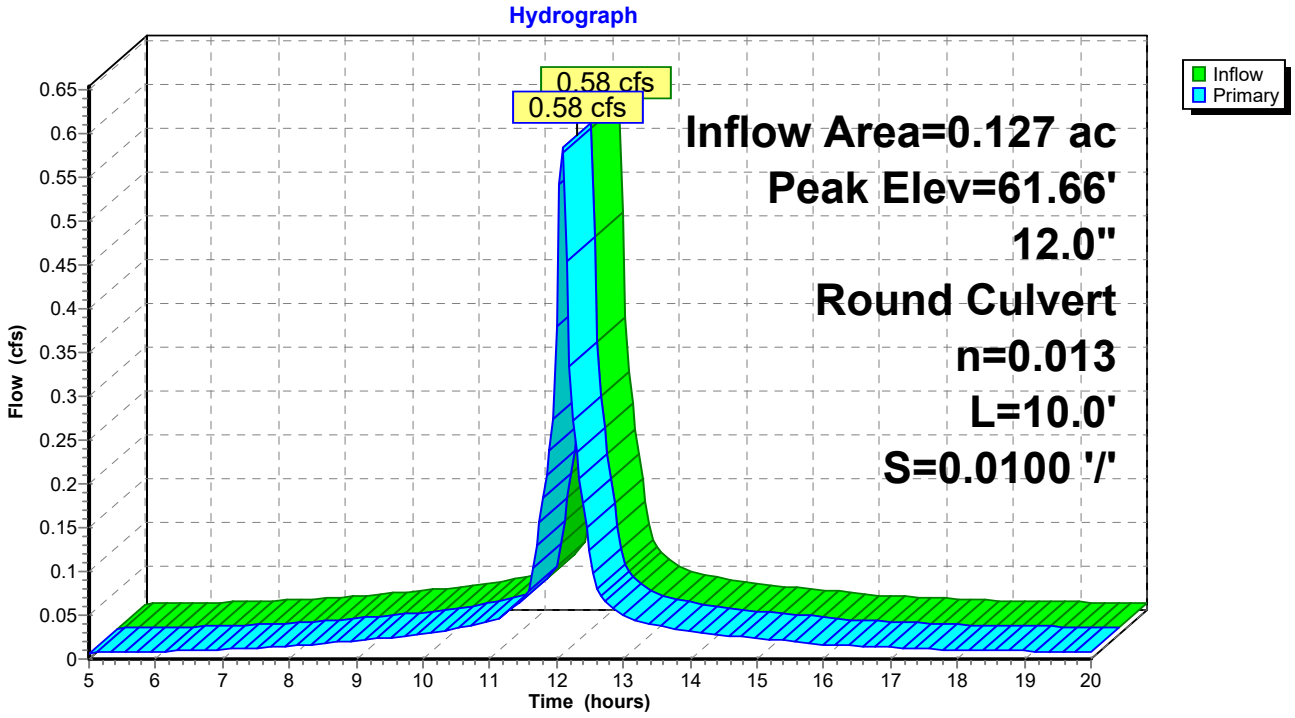
Inflow Area = 0.127 ac,100.00% Impervious, Inflow Depth > 4.26" for 10-Year event
Inflow = 0.58 cfs @ 12.09 hrs, Volume= 0.045 af
Outflow = 0.58 cfs @ 12.09 hrs, Volume= 0.045 af, Atten= 0%, Lag= 0.0 min
Primary = 0.58 cfs @ 12.09 hrs, Volume= 0.045 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.20'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.20' / 61.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.57 cfs @ 12.09 hrs HW=61.65' (Free Discharge)
1=Culvert (Barrel Controls 0.57 cfs @ 2.41 fps)

Pond 22P: CB 56



Stage-Area-Storage for Pond 22P: CB 56

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.20	**0.000**	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000		
61.69	0.000		
61.70	0.000		
61.71	0.000		
61.72	0.000		

Summary for Pond 23P: CB 57

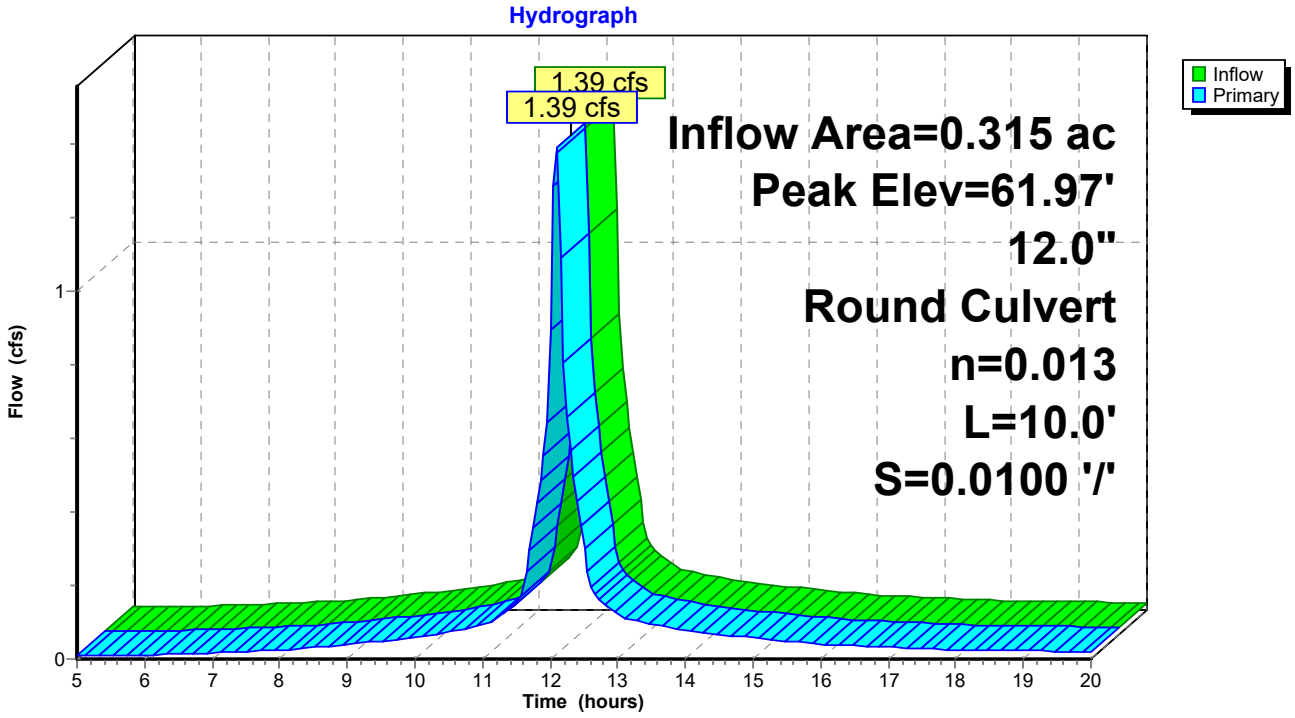
Inflow Area = 0.315 ac, 81.38% Impervious, Inflow Depth > 3.91" for 10-Year event
Inflow = 1.39 cfs @ 12.09 hrs, Volume= 0.102 af
Outflow = 1.39 cfs @ 12.09 hrs, Volume= 0.102 af, Atten= 0%, Lag= 0.0 min
Primary = 1.39 cfs @ 12.09 hrs, Volume= 0.102 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.20'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.20' / 61.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.35 cfs @ 12.09 hrs HW=61.96' (Free Discharge)
1=Culvert (Barrel Controls 1.35 cfs @ 2.93 fps)

Pond 23P: CB 57



Stage-Area-Storage for Pond 23P: CB 57

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.20	**0.000**	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000		
61.69	0.000		
61.70	0.000		
61.71	0.000		
61.72	0.000		

Summary for Pond 24P: DMH 41

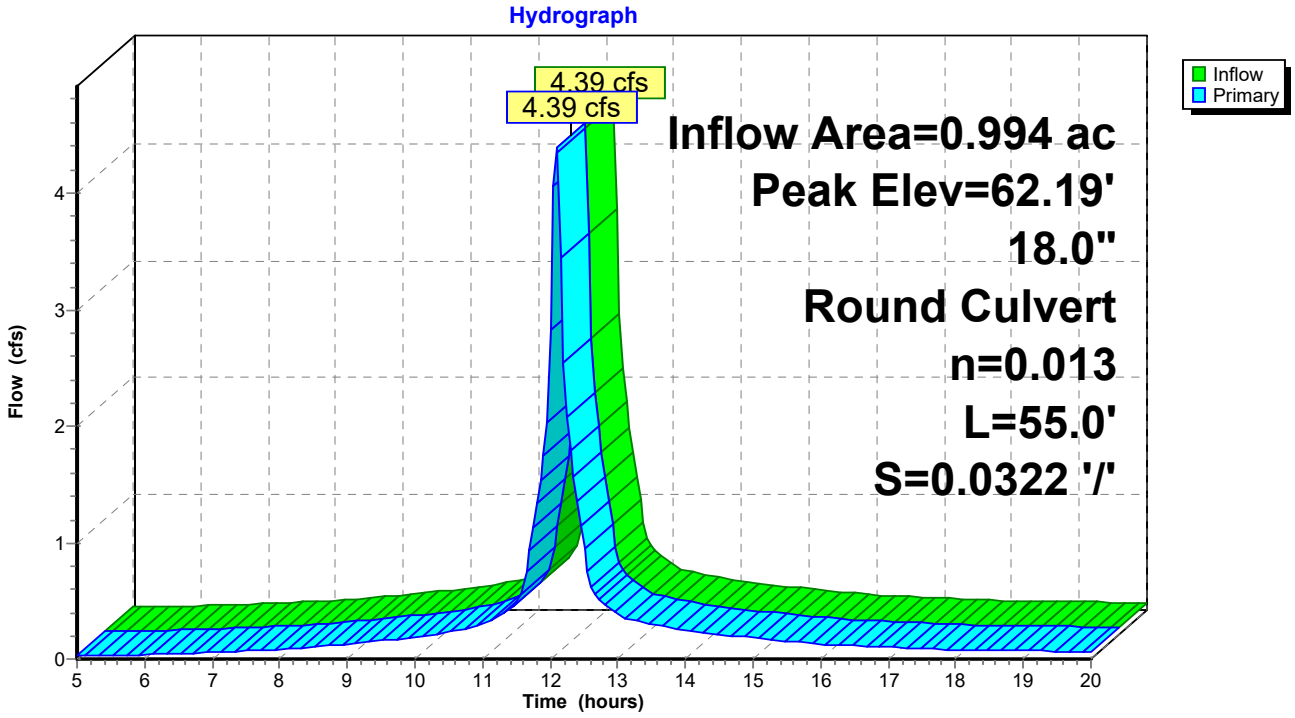
Inflow Area = 0.994 ac, 83.63% Impervious, Inflow Depth > 3.92" for 10-Year event
Inflow = 4.39 cfs @ 12.09 hrs, Volume= 0.325 af
Outflow = 4.39 cfs @ 12.09 hrs, Volume= 0.325 af, Atten= 0%, Lag= 0.0 min
Primary = 4.39 cfs @ 12.09 hrs, Volume= 0.325 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**18.0" Round Culvert** L= 55.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 59.23' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.28 cfs @ 12.09 hrs HW=62.17' (Free Discharge)
1=Culvert (Inlet Controls 4.28 cfs @ 2.90 fps)

Pond 24P: DMH 41



Stage-Area-Storage for Pond 24P: DMH 41

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	61.53	0.000	62.06	0.000
61.01	0.000	61.54	0.000	62.07	0.000
61.02	0.000	61.55	0.000	62.08	0.000
61.03	0.000	61.56	0.000	62.09	0.000
61.04	0.000	61.57	0.000	62.10	0.000
61.05	0.000	61.58	0.000	62.11	0.000
61.06	0.000	61.59	0.000	62.12	0.000
61.07	0.000	61.60	0.000	62.13	0.000
61.08	0.000	61.61	0.000	62.14	0.000
61.09	0.000	61.62	0.000	62.15	0.000
61.10	0.000	61.63	0.000	62.16	0.000
61.11	0.000	61.64	0.000	62.17	0.000
61.12	0.000	61.65	0.000	62.18	0.000
61.13	0.000	61.66	0.000	62.19	0.000
61.14	0.000	61.67	0.000	62.20	0.000
61.15	0.000	61.68	0.000	62.21	0.000
61.16	0.000	61.69	0.000	62.22	0.000
61.17	0.000	61.70	0.000	62.23	0.000
61.18	0.000	61.71	0.000	62.24	0.000
61.19	0.000	61.72	0.000	62.25	0.000
61.20	0.000	61.73	0.000	62.26	0.000
61.21	0.000	61.74	0.000	62.27	0.000
61.22	0.000	61.75	0.000	62.28	0.000
61.23	0.000	61.76	0.000	62.29	0.000
61.24	0.000	61.77	0.000	62.30	0.000
61.25	0.000	61.78	0.000	62.31	0.000
61.26	0.000	61.79	0.000	62.32	0.000
61.27	0.000	61.80	0.000	62.33	0.000
61.28	0.000	61.81	0.000	62.34	0.000
61.29	0.000	61.82	0.000	62.35	0.000
61.30	0.000	61.83	0.000	62.36	0.000
61.31	0.000	61.84	0.000	62.37	0.000
61.32	0.000	61.85	0.000	62.38	0.000
61.33	0.000	61.86	0.000	62.39	0.000
61.34	0.000	61.87	0.000	62.40	0.000
61.35	0.000	61.88	0.000	62.41	0.000
61.36	0.000	61.89	0.000	62.42	0.000
61.37	0.000	61.90	0.000	62.43	0.000
61.38	0.000	61.91	0.000	62.44	0.000
61.39	0.000	61.92	0.000	62.45	0.000
61.40	0.000	61.93	0.000	62.46	0.000
61.41	0.000	61.94	0.000	62.47	0.000
61.42	0.000	61.95	0.000	62.48	0.000
61.43	0.000	61.96	0.000	62.49	0.000
61.44	0.000	61.97	0.000	62.50	0.000
61.45	0.000	61.98	0.000		
61.46	0.000	61.99	0.000		
61.47	0.000	62.00	0.000		
61.48	0.000	62.01	0.000		
61.49	0.000	62.02	0.000		
61.50	0.000	62.03	0.000		
61.51	0.000	62.04	0.000		
61.52	0.000	62.05	0.000		

Summary for Pond 25P: DMH 45

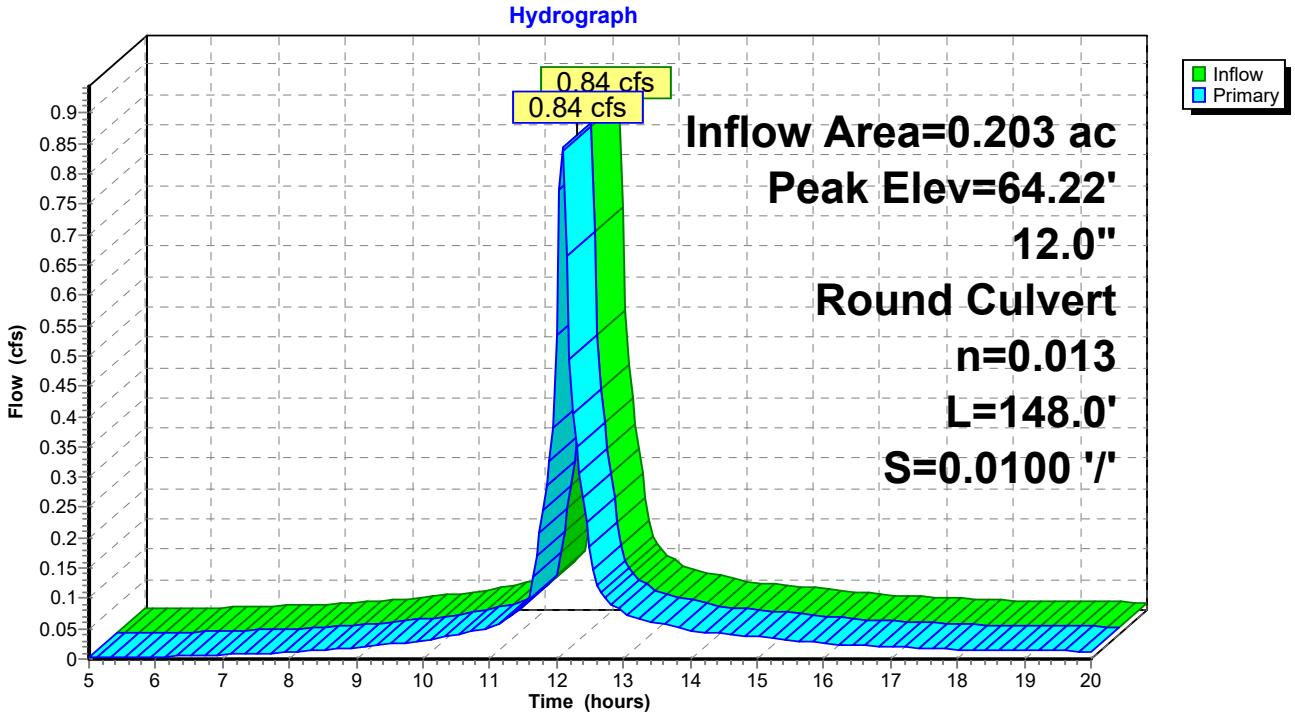
Inflow Area = 0.203 ac, 69.67% Impervious, Inflow Depth > 3.56" for 10-Year event
Inflow = 0.84 cfs @ 12.09 hrs, Volume= 0.060 af
Outflow = 0.84 cfs @ 12.09 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.84 cfs @ 12.09 hrs, Volume= 0.060 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.22' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.68'	**12.0" Round Culvert** L= 148.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.68' / 62.20' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.82 cfs @ 12.09 hrs HW=64.21' (Free Discharge)
1=Culvert (Inlet Controls 0.82 cfs @ 1.95 fps)

Pond 25P: DMH 45



Stage-Area-Storage for Pond 25P: DMH 45

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.68	**0.000**	64.21	0.000
63.69	0.000	64.22	0.000
63.70	0.000	64.23	0.000
63.71	0.000	64.24	0.000
63.72	0.000	64.25	0.000
63.73	0.000	64.26	0.000
63.74	0.000	64.27	0.000
63.75	0.000	64.28	0.000
63.76	0.000	64.29	0.000
63.77	0.000	64.30	0.000
63.78	0.000	64.31	0.000
63.79	0.000	64.32	0.000
63.80	0.000	64.33	0.000
63.81	0.000	64.34	0.000
63.82	0.000	64.35	0.000
63.83	0.000	64.36	0.000
63.84	0.000	64.37	0.000
63.85	0.000	64.38	0.000
63.86	0.000	64.39	0.000
63.87	0.000	64.40	0.000
63.88	0.000	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000		
64.17	0.000		
64.18	0.000		
64.19	0.000		
64.20	0.000		

Summary for Pond 26P: CB 61

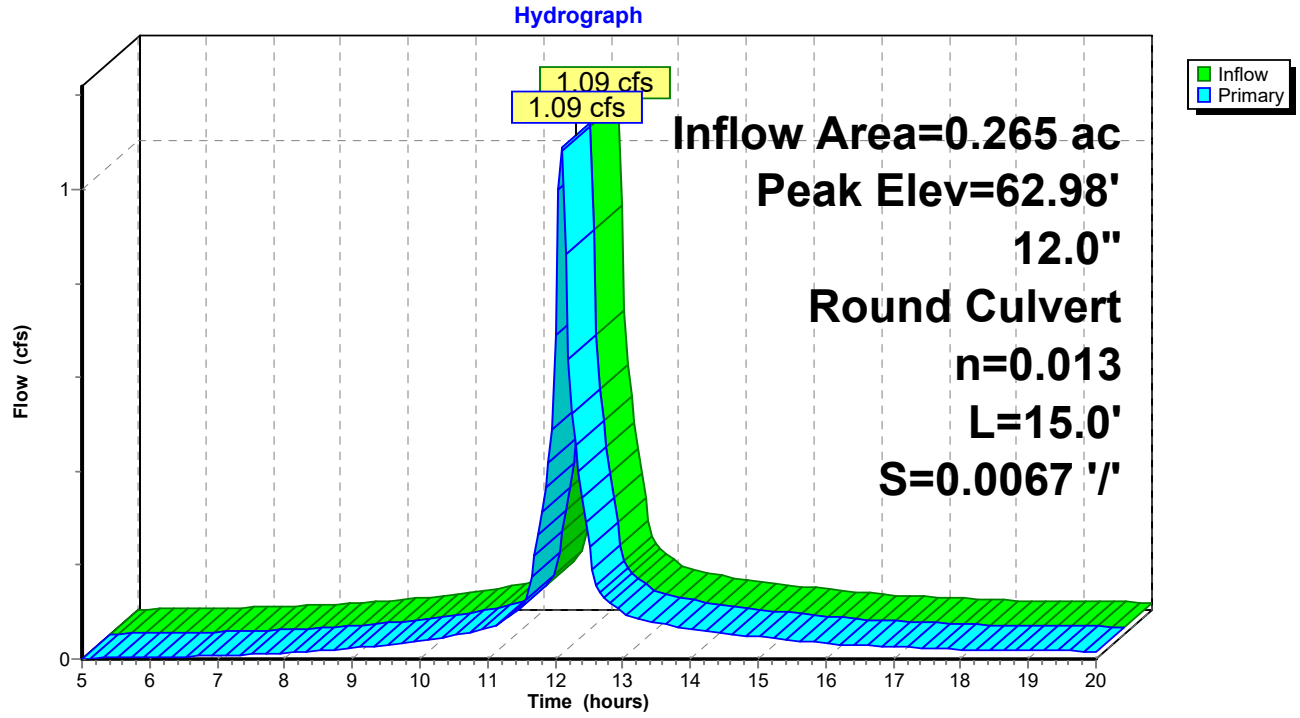
Inflow Area = 0.265 ac, 66.20% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af
Outflow = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af, Atten= 0%, Lag= 0.0 min
Primary = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.98' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.30'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.30' / 62.20' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.06 cfs @ 12.09 hrs HW=62.97' (Free Discharge)
1=Culvert (Barrel Controls 1.06 cfs @ 2.69 fps)

Pond 26P: CB 61



Stage-Area-Storage for Pond 26P: CB 61

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.30	**0.000**	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000	63.11	0.000
62.59	0.000	63.12	0.000
62.60	0.000	63.13	0.000
62.61	0.000	63.14	0.000
62.62	0.000	63.15	0.000
62.63	0.000	63.16	0.000
62.64	0.000	63.17	0.000
62.65	0.000	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000		
62.79	0.000		
62.80	0.000		
62.81	0.000		
62.82	0.000		

Summary for Pond 27P: CB 60

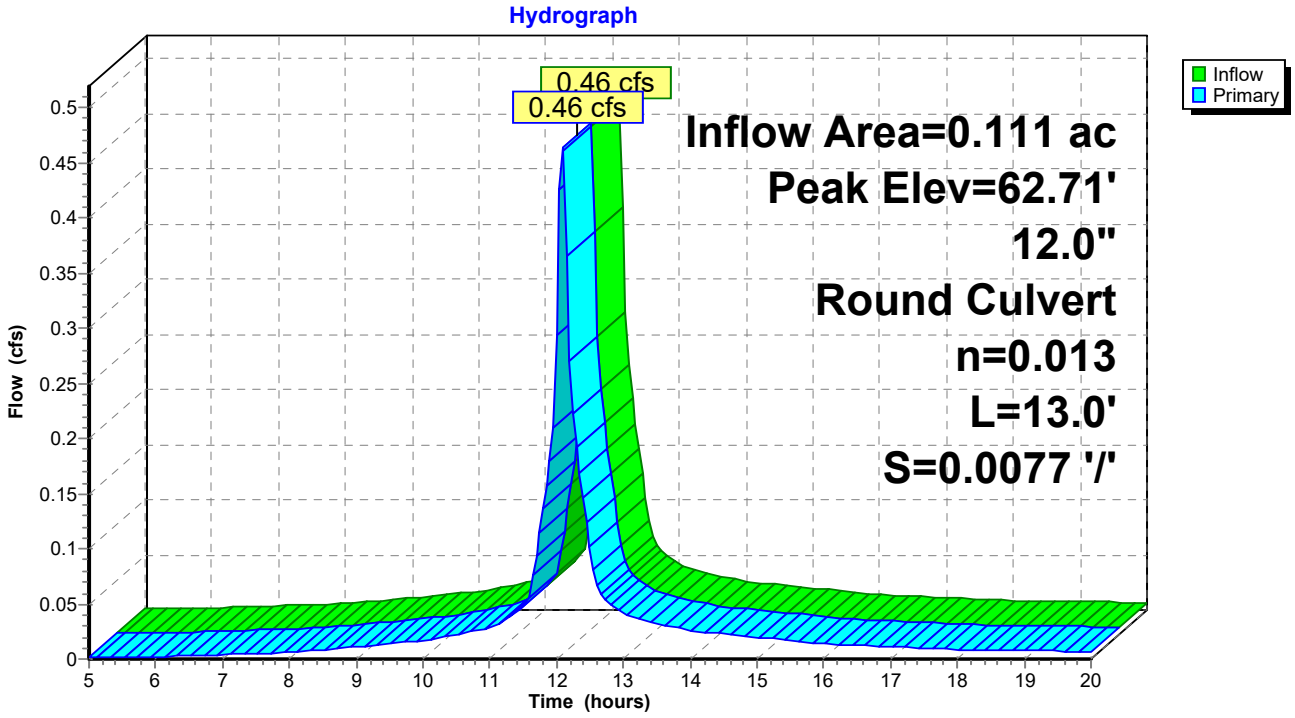
Inflow Area = 0.111 ac, 71.39% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.71' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.30'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.30' / 62.20' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.45 cfs @ 12.09 hrs HW=62.70' (Free Discharge)
1=Culvert (Barrel Controls 0.45 cfs @ 2.25 fps)

Pond 27P: CB 60



Stage-Area-Storage for Pond 27P: CB 60

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.30	**0.000**	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000	63.11	0.000
62.59	0.000	63.12	0.000
62.60	0.000	63.13	0.000
62.61	0.000	63.14	0.000
62.62	0.000	63.15	0.000
62.63	0.000	63.16	0.000
62.64	0.000	63.17	0.000
62.65	0.000	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000		
62.79	0.000		
62.80	0.000		
62.81	0.000		
62.82	0.000		

Summary for Pond 28P: DMH 44

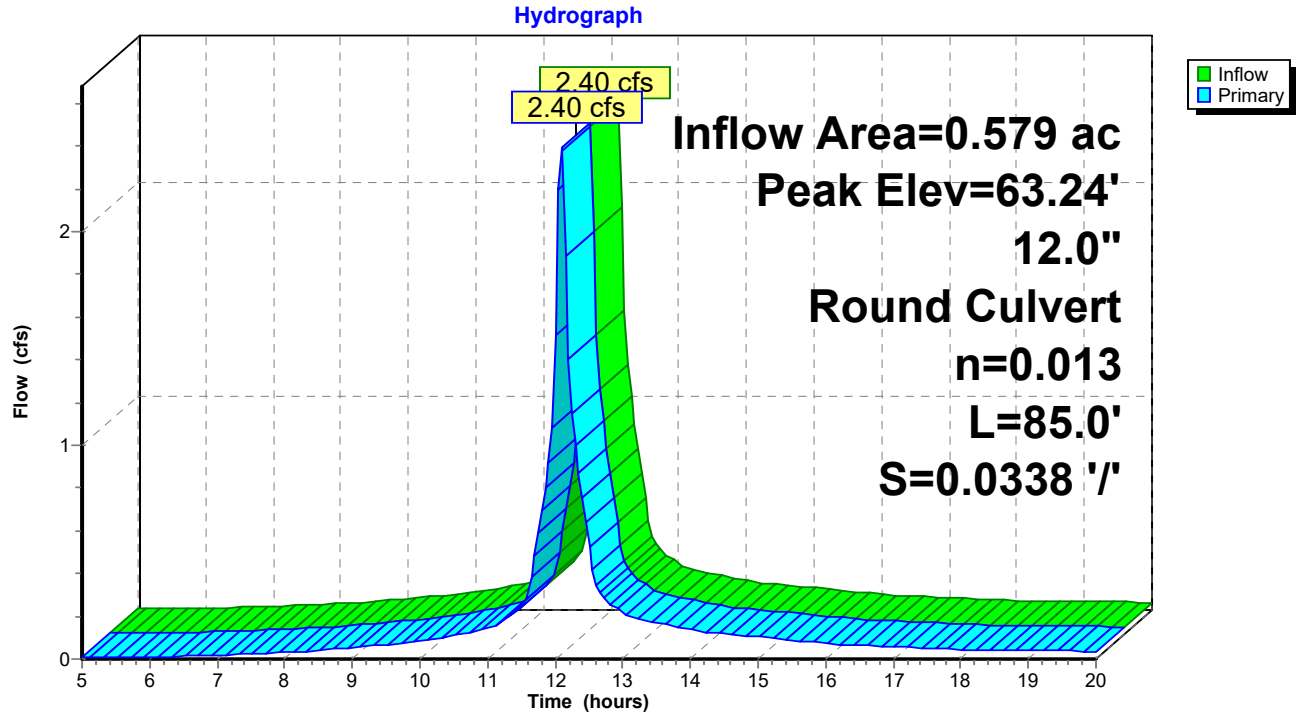
Inflow Area = 0.579 ac, 68.41% Impervious, Inflow Depth > 3.55" for 10-Year event
Inflow = 2.40 cfs @ 12.09 hrs, Volume= 0.171 af
Outflow = 2.40 cfs @ 12.09 hrs, Volume= 0.171 af, Atten= 0%, Lag= 0.0 min
Primary = 2.40 cfs @ 12.09 hrs, Volume= 0.171 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.24' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 85.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 59.23' S= 0.0338 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.34 cfs @ 12.09 hrs HW=63.21' (Free Discharge)
1=Culvert (Inlet Controls 2.34 cfs @ 2.98 fps)

Pond 28P: DMH 44



Stage-Area-Storage for Pond 28P: DMH 44

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	62.63	0.000	63.16	0.000
62.11	0.000	62.64	0.000	63.17	0.000
62.12	0.000	62.65	0.000	63.18	0.000
62.13	0.000	62.66	0.000	63.19	0.000
62.14	0.000	62.67	0.000	63.20	0.000
62.15	0.000	62.68	0.000	63.21	0.000
62.16	0.000	62.69	0.000	63.22	0.000
62.17	0.000	62.70	0.000	63.23	0.000
62.18	0.000	62.71	0.000	63.24	0.000
62.19	0.000	62.72	0.000		
62.20	0.000	62.73	0.000		
62.21	0.000	62.74	0.000		
62.22	0.000	62.75	0.000		
62.23	0.000	62.76	0.000		
62.24	0.000	62.77	0.000		
62.25	0.000	62.78	0.000		
62.26	0.000	62.79	0.000		
62.27	0.000	62.80	0.000		
62.28	0.000	62.81	0.000		
62.29	0.000	62.82	0.000		
62.30	0.000	62.83	0.000		
62.31	0.000	62.84	0.000		
62.32	0.000	62.85	0.000		
62.33	0.000	62.86	0.000		
62.34	0.000	62.87	0.000		
62.35	0.000	62.88	0.000		
62.36	0.000	62.89	0.000		
62.37	0.000	62.90	0.000		
62.38	0.000	62.91	0.000		
62.39	0.000	62.92	0.000		
62.40	0.000	62.93	0.000		
62.41	0.000	62.94	0.000		
62.42	0.000	62.95	0.000		
62.43	0.000	62.96	0.000		
62.44	0.000	62.97	0.000		
62.45	0.000	62.98	0.000		
62.46	0.000	62.99	0.000		
62.47	0.000	63.00	0.000		
62.48	0.000	63.01	0.000		
62.49	0.000	63.02	0.000		
62.50	0.000	63.03	0.000		
62.51	0.000	63.04	0.000		
62.52	0.000	63.05	0.000		
62.53	0.000	63.06	0.000		
62.54	0.000	63.07	0.000		
62.55	0.000	63.08	0.000		
62.56	0.000	63.09	0.000		
62.57	0.000	63.10	0.000		
62.58	0.000	63.11	0.000		
62.59	0.000	63.12	0.000		
62.60	0.000	63.13	0.000		
62.61	0.000	63.14	0.000		
62.62	0.000	63.15	0.000		

Summary for Pond 29P: DMH 40

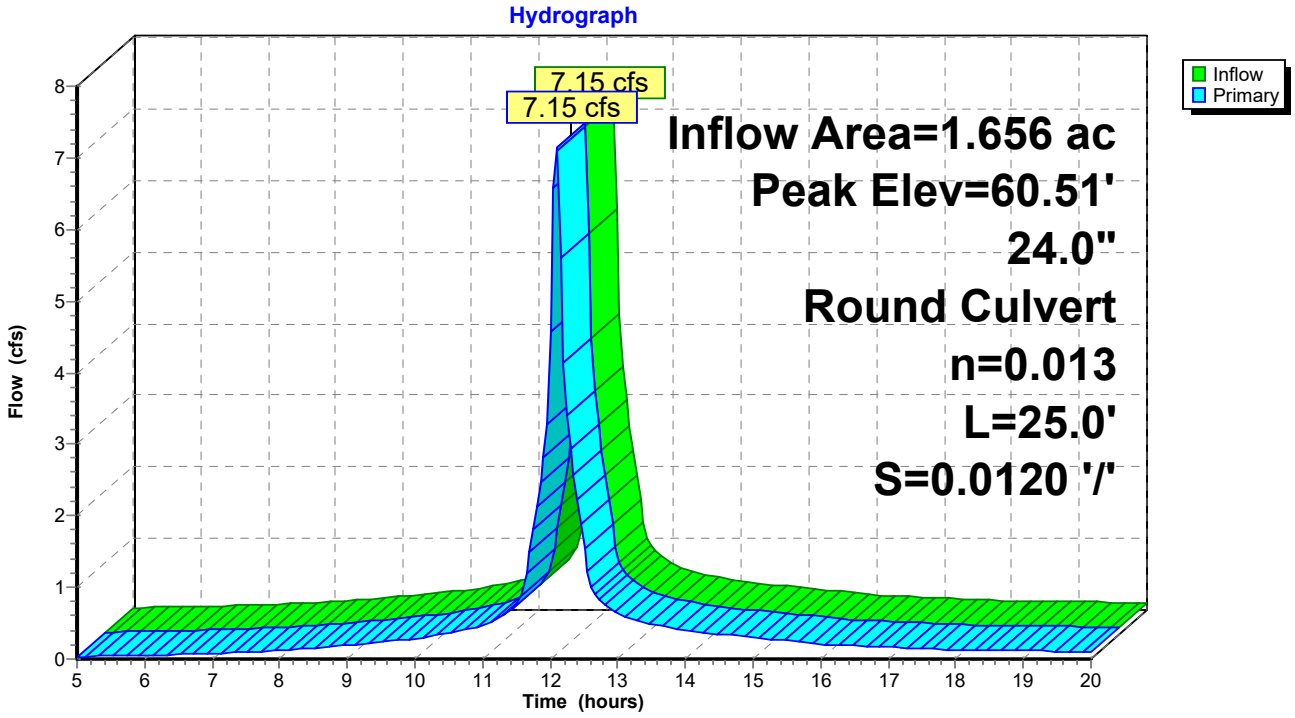
Inflow Area = 1.656 ac, 78.05% Impervious, Inflow Depth > 3.79" for 10-Year event
Inflow = 7.15 cfs @ 12.09 hrs, Volume= 0.523 af
Outflow = 7.15 cfs @ 12.09 hrs, Volume= 0.523 af, Atten= 0%, Lag= 0.0 min
Primary = 7.15 cfs @ 12.09 hrs, Volume= 0.523 af
Routed to Pond 38P : DMH 39

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.51' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.13'	**24.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.13' / 58.83' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.96 cfs @ 12.09 hrs HW=60.49' (Free Discharge)
1=Culvert (Barrel Controls 6.96 cfs @ 4.32 fps)

Pond 29P: DMH 40



Stage-Area-Storage for Pond 29P: DMH 40

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.13	**0.000**	60.19	0.000
59.15	0.000	60.21	0.000
59.17	0.000	60.23	0.000
59.19	0.000	60.25	0.000
59.21	0.000	60.27	0.000
59.23	0.000	60.29	0.000
59.25	0.000	60.31	0.000
59.27	0.000	60.33	0.000
59.29	0.000	60.35	0.000
59.31	0.000	60.37	0.000
59.33	0.000	60.39	0.000
59.35	0.000	60.41	0.000
59.37	0.000	60.43	0.000
59.39	0.000	60.45	0.000
59.41	0.000	60.47	0.000
59.43	0.000	60.49	0.000
59.45	0.000	60.51	0.000
59.47	0.000	60.53	0.000
59.49	0.000	60.55	0.000
59.51	0.000	60.57	0.000
59.53	0.000	60.59	0.000
59.55	0.000	60.61	0.000
59.57	0.000	60.63	0.000
59.59	0.000	60.65	0.000
59.61	0.000	60.67	0.000
59.63	0.000	60.69	0.000
59.65	0.000	60.71	0.000
59.67	0.000	60.73	0.000
59.69	0.000	60.75	0.000
59.71	0.000	60.77	0.000
59.73	0.000	60.79	0.000
59.75	0.000	60.81	0.000
59.77	0.000	60.83	0.000
59.79	0.000	60.85	0.000
59.81	0.000	60.87	0.000
59.83	0.000	60.89	0.000
59.85	0.000	60.91	0.000
59.87	0.000	60.93	0.000
59.89	0.000	60.95	0.000
59.91	0.000	60.97	0.000
59.93	0.000	60.99	0.000
59.95	0.000	61.01	0.000
59.97	0.000	61.03	0.000
59.99	0.000	61.05	0.000
60.01	0.000	61.07	0.000
60.03	0.000	61.09	0.000
60.05	0.000	61.11	0.000
60.07	0.000	61.13	0.000
60.09	0.000		
60.11	0.000		
60.13	0.000		
60.15	0.000		
60.17	0.000		

Summary for Pond 30P: CB 55

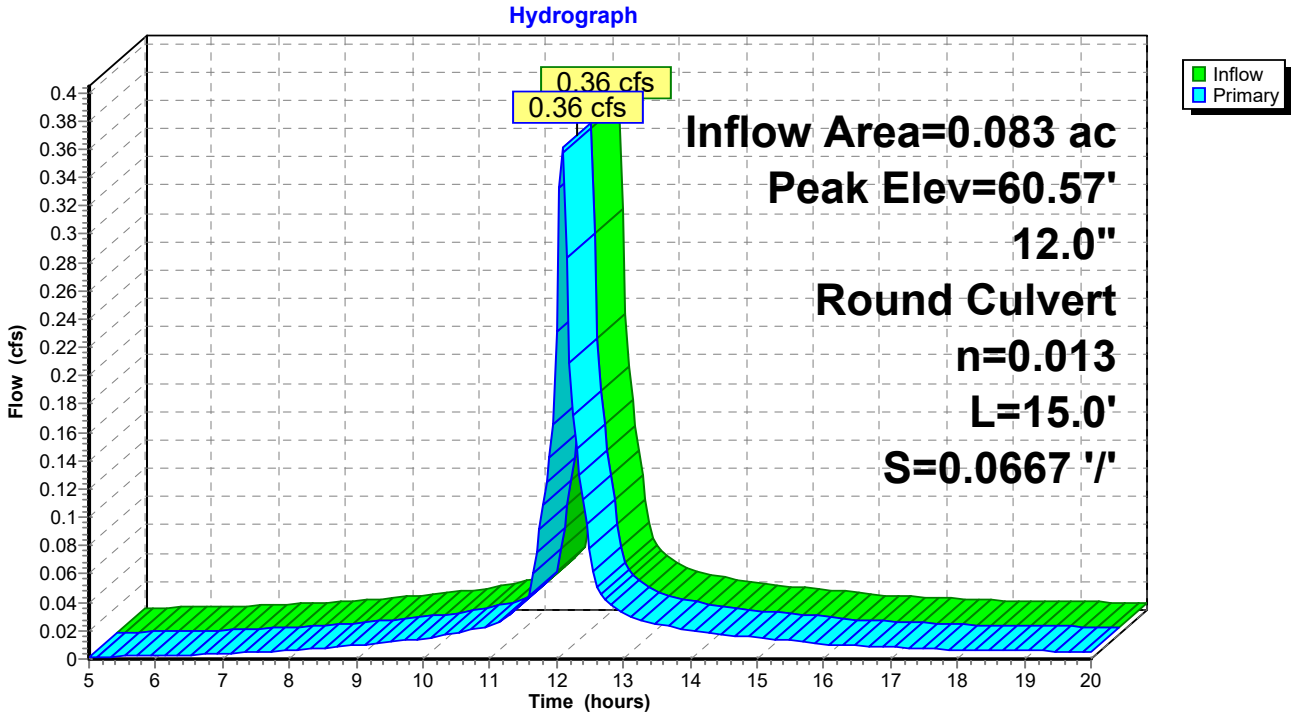
Inflow Area = 0.083 ac, 78.43% Impervious, Inflow Depth > 3.81" for 10-Year event
Inflow = 0.36 cfs @ 12.09 hrs, Volume= 0.026 af
Outflow = 0.36 cfs @ 12.09 hrs, Volume= 0.026 af, Atten= 0%, Lag= 0.0 min
Primary = 0.36 cfs @ 12.09 hrs, Volume= 0.026 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.57' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.23'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.23' / 59.23' S= 0.0667 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.35 cfs @ 12.09 hrs HW=60.56' (Free Discharge)
1=Culvert (Inlet Controls 0.35 cfs @ 1.55 fps)

Pond 30P: CB 55



Stage-Area-Storage for Pond 30P: CB 55

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.23	**0.000**	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000		
60.72	0.000		
60.73	0.000		
60.74	0.000		
60.75	0.000		

Summary for Pond 31P: CB 51

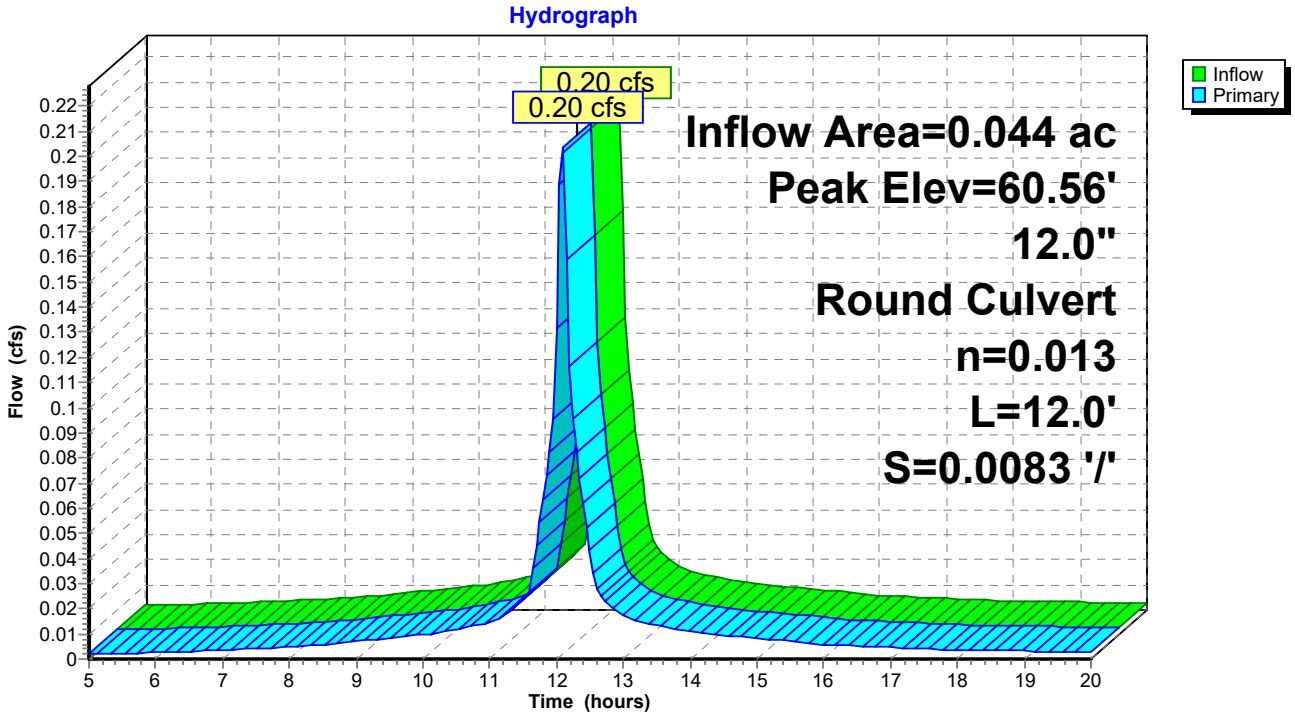
Inflow Area = 0.044 ac, 96.85% Impervious, Inflow Depth > 4.19" for 10-Year event
Inflow = 0.20 cfs @ 12.09 hrs, Volume= 0.016 af
Outflow = 0.20 cfs @ 12.09 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.0 min
Primary = 0.20 cfs @ 12.09 hrs, Volume= 0.016 af
Routed to Pond 34P : DMH 36

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.56' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.30'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.30' / 60.20' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.20 cfs @ 12.09 hrs HW=60.55' (Free Discharge)
1=Culvert (Barrel Controls 0.20 cfs @ 1.89 fps)

Pond 31P: CB 51



Stage-Area-Storage for Pond 31P: CB 51

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.30	**0.000**	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000		
60.79	0.000		
60.80	0.000		
60.81	0.000		
60.82	0.000		

Summary for Pond 32P: CB 52

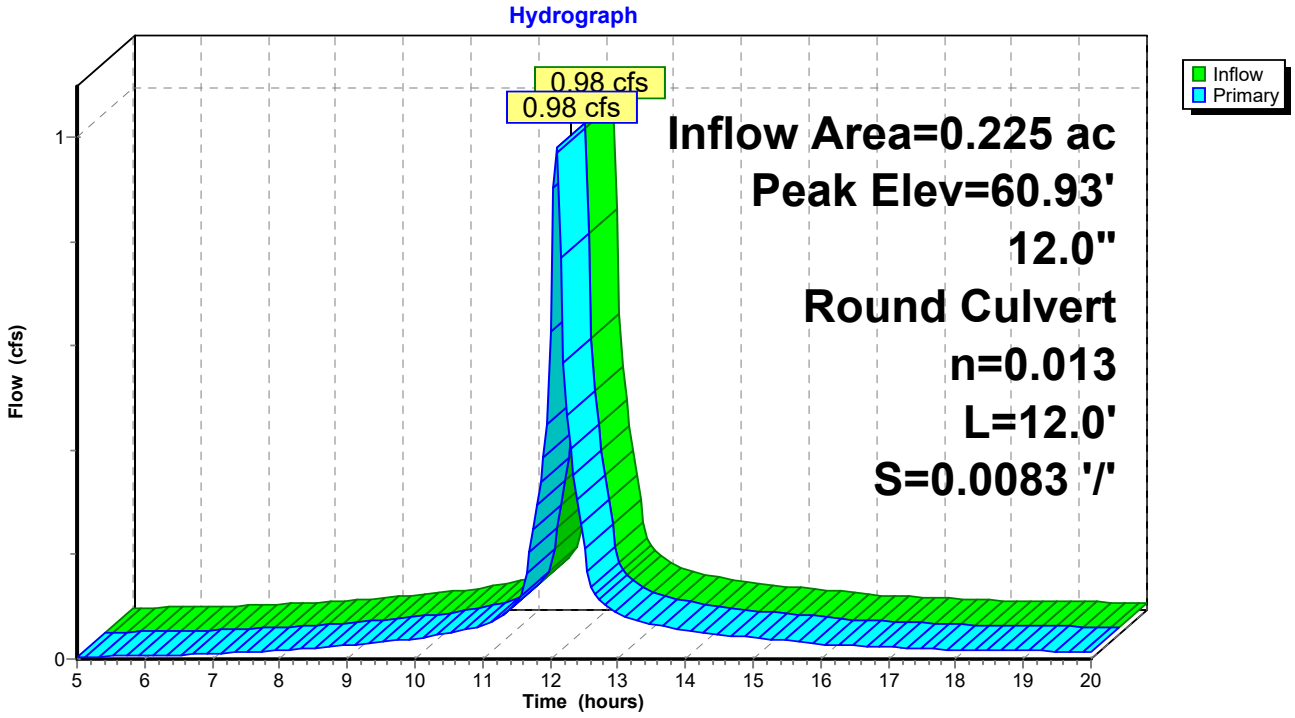
Inflow Area = 0.225 ac, 78.85% Impervious, Inflow Depth > 3.81" for 10-Year event
Inflow = 0.98 cfs @ 12.09 hrs, Volume= 0.072 af
Outflow = 0.98 cfs @ 12.09 hrs, Volume= 0.072 af, Atten= 0%, Lag= 0.0 min
Primary = 0.98 cfs @ 12.09 hrs, Volume= 0.072 af
Routed to Pond 34P : DMH 36

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.93' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.30'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.30' / 60.20' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.96 cfs @ 12.09 hrs HW=60.92' (Free Discharge)
1=Culvert (Barrel Controls 0.96 cfs @ 2.67 fps)

Pond 32P: CB 52



Stage-Area-Storage for Pond 32P: CB 52

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.30	**0.000**	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000		
60.79	0.000		
60.80	0.000		
60.81	0.000		
60.82	0.000		

Summary for Pond 33P: CB 53

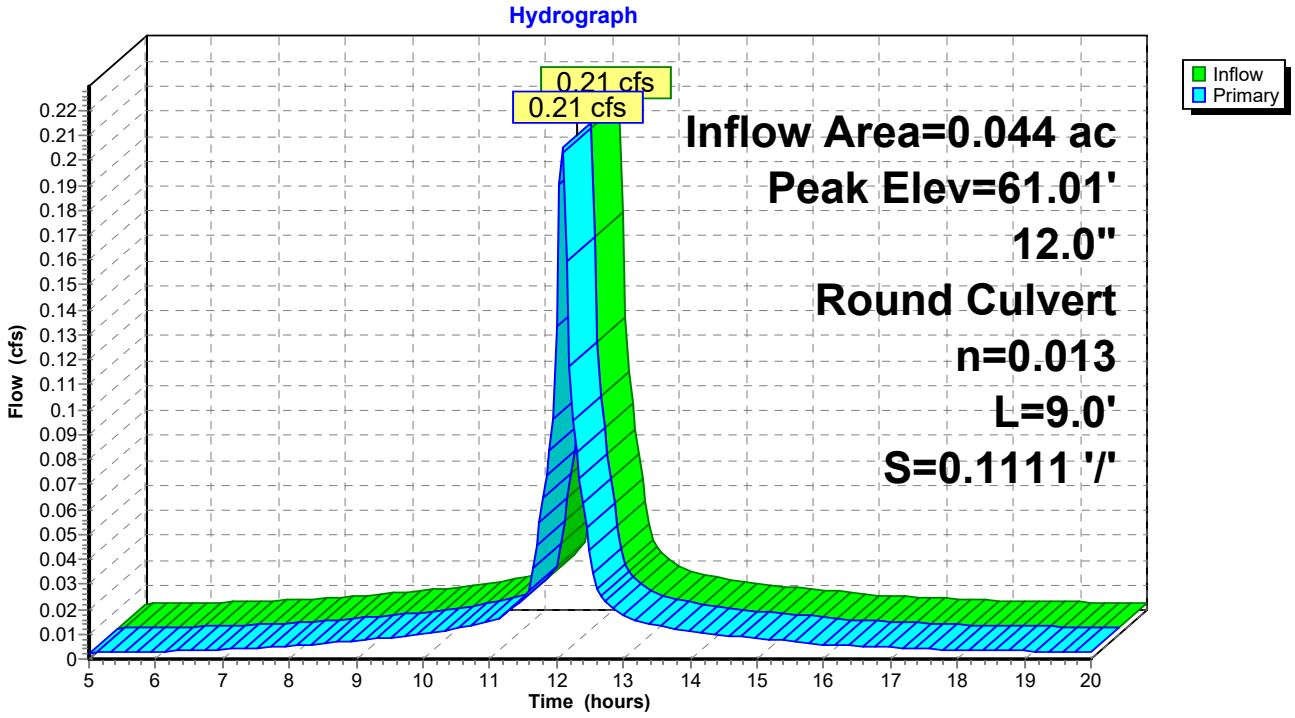
Inflow Area = 0.044 ac,100.00% Impervious, Inflow Depth > 4.26" for 10-Year event
Inflow = 0.21 cfs @ 12.09 hrs, Volume= 0.016 af
Outflow = 0.21 cfs @ 12.09 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.0 min
Primary = 0.21 cfs @ 12.09 hrs, Volume= 0.016 af
Routed to Pond 35P : DMH 37

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.01' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.76'	**12.0" Round Culvert** L= 9.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.76' / 59.76' S= 0.1111 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.20 cfs @ 12.09 hrs HW=61.01' (Free Discharge)
1=Culvert (Inlet Controls 0.20 cfs @ 1.33 fps)

Pond 33P: CB 53



Stage-Area-Storage for Pond 33P: CB 53

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.76	**0.000**	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000		
61.25	0.000		
61.26	0.000		
61.27	0.000		
61.28	0.000		

Summary for Pond 34P: DMH 36

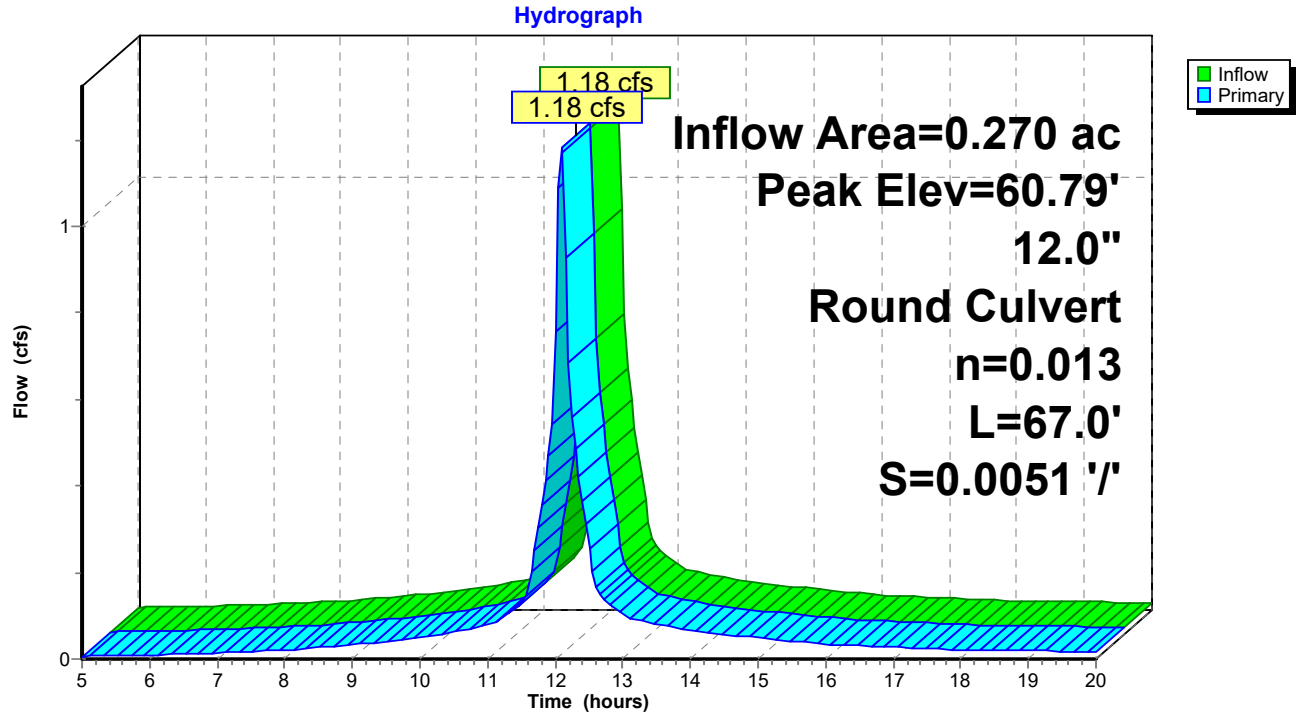
Inflow Area = 0.270 ac, 81.82% Impervious, Inflow Depth > 3.87" for 10-Year event
Inflow = 1.18 cfs @ 12.09 hrs, Volume= 0.087 af
Outflow = 1.18 cfs @ 12.09 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.0 min
Primary = 1.18 cfs @ 12.09 hrs, Volume= 0.087 af
Routed to Pond 35P : DMH 37

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.79' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.10'	**12.0" Round Culvert** L= 67.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.10' / 59.76' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.15 cfs @ 12.09 hrs HW=60.78' (Free Discharge)
1=Culvert (Barrel Controls 1.15 cfs @ 2.87 fps)

Pond 34P: DMH 36



Stage-Area-Storage for Pond 34P: DMH 36

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.10	**0.000**	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000		
60.59	0.000		
60.60	0.000		
60.61	0.000		
60.62	0.000		

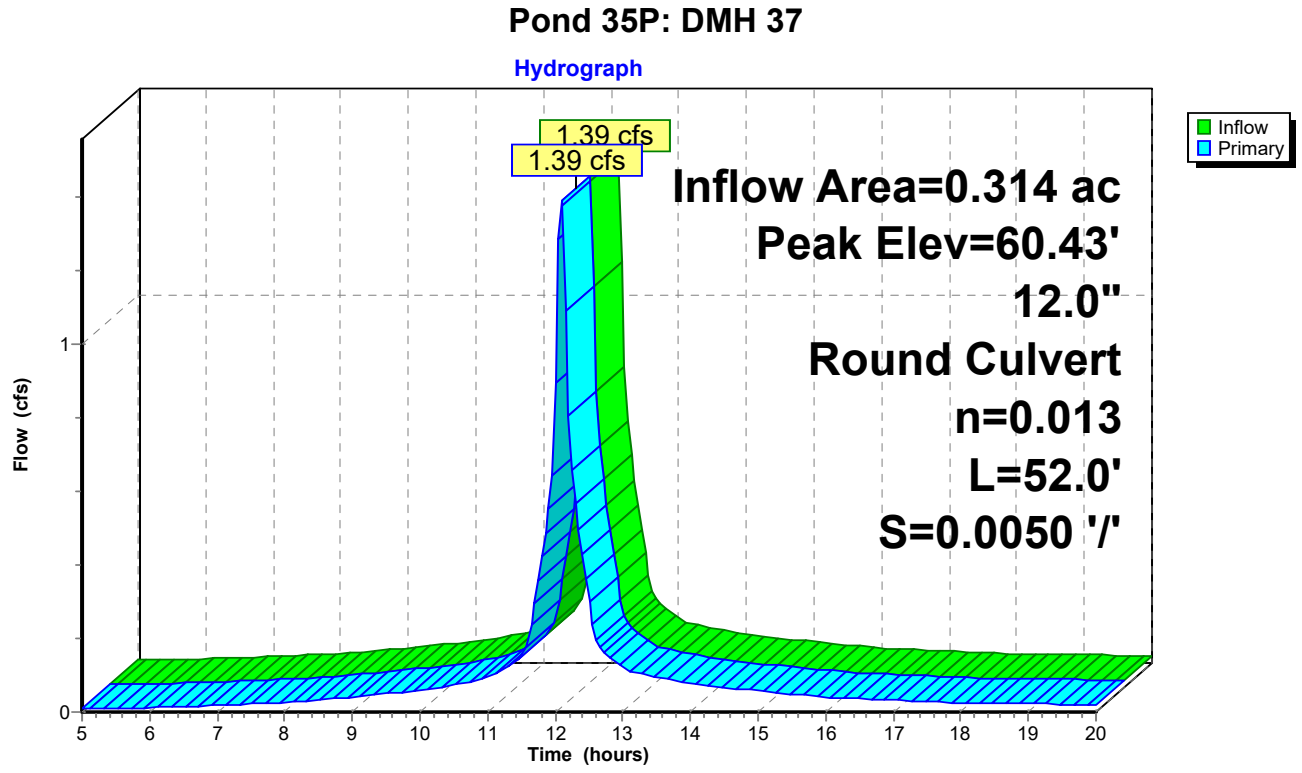
Summary for Pond 35P: DMH 37

Inflow Area = 0.314 ac, 84.39% Impervious, Inflow Depth > 3.93" for 10-Year event
Inflow = 1.39 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 1.39 cfs @ 12.09 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.39 cfs @ 12.09 hrs, Volume= 0.103 af
Routed to Pond 37P : DMH 38

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.43' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.66'	**12.0" Round Culvert** L= 52.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.66' / 59.40' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.35 cfs @ 12.09 hrs HW=60.42' (Free Discharge)
1=Culvert (Barrel Controls 1.35 cfs @ 2.93 fps)



Stage-Area-Storage for Pond 35P: DMH 37

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.66	**0.000**	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000	60.24	0.000
59.72	0.000	60.25	0.000
59.73	0.000	60.26	0.000
59.74	0.000	60.27	0.000
59.75	0.000	60.28	0.000
59.76	0.000	60.29	0.000
59.77	0.000	60.30	0.000
59.78	0.000	60.31	0.000
59.79	0.000	60.32	0.000
59.80	0.000	60.33	0.000
59.81	0.000	60.34	0.000
59.82	0.000	60.35	0.000
59.83	0.000	60.36	0.000
59.84	0.000	60.37	0.000
59.85	0.000	60.38	0.000
59.86	0.000	60.39	0.000
59.87	0.000	60.40	0.000
59.88	0.000	60.41	0.000
59.89	0.000	60.42	0.000
59.90	0.000	60.43	0.000
59.91	0.000	60.44	0.000
59.92	0.000	60.45	0.000
59.93	0.000	60.46	0.000
59.94	0.000	60.47	0.000
59.95	0.000	60.48	0.000
59.96	0.000	60.49	0.000
59.97	0.000	60.50	0.000
59.98	0.000	60.51	0.000
59.99	0.000	60.52	0.000
60.00	0.000	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000		
60.15	0.000		
60.16	0.000		
60.17	0.000		
60.18	0.000		

Summary for Pond 36P: CB 54

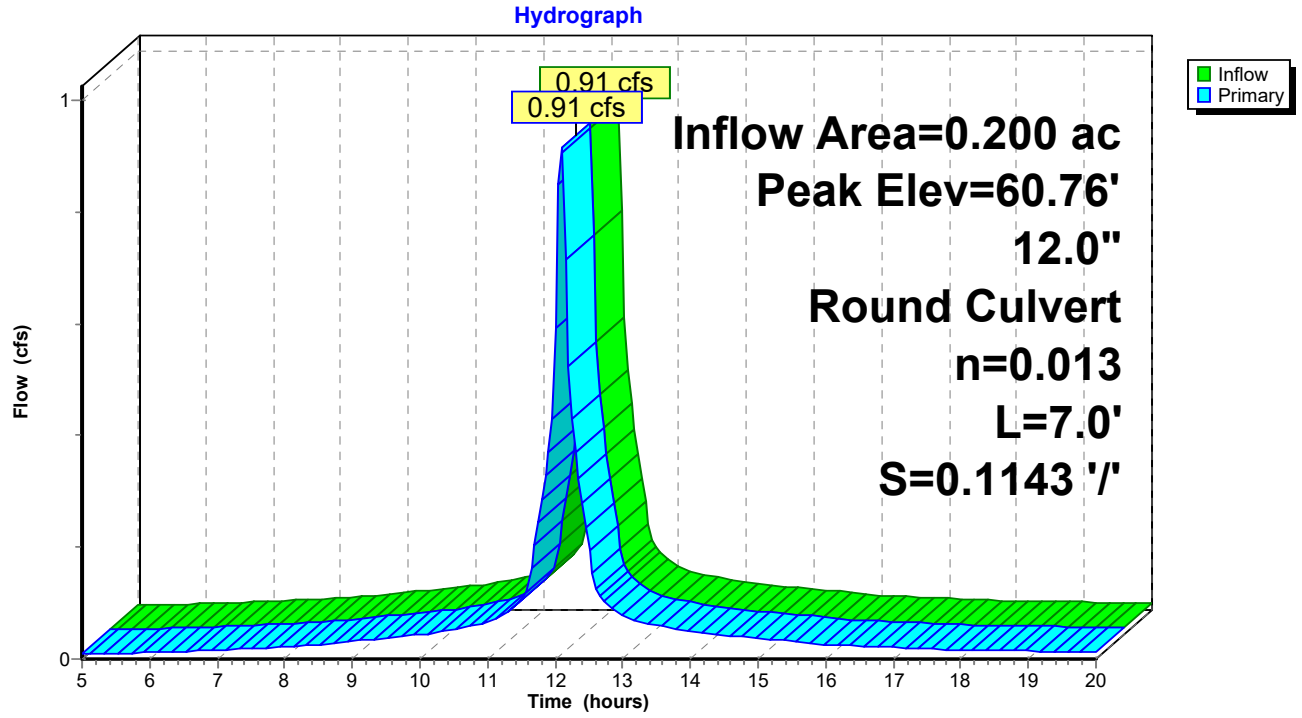
Inflow Area = 0.200 ac, 94.53% Impervious, Inflow Depth > 4.19" for 10-Year event
Inflow = 0.91 cfs @ 12.09 hrs, Volume= 0.070 af
Outflow = 0.91 cfs @ 12.09 hrs, Volume= 0.070 af, Atten= 0%, Lag= 0.0 min
Primary = 0.91 cfs @ 12.09 hrs, Volume= 0.070 af
Routed to Pond 37P : DMH 38

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.76' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.20'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.20' / 59.40' S= 0.1143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.89 cfs @ 12.09 hrs HW=60.75' (Free Discharge)
1=Culvert (Inlet Controls 0.89 cfs @ 2.00 fps)

Pond 36P: CB 54



Stage-Area-Storage for Pond 36P: CB 54

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.20	**0.000**	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000		
60.69	0.000		
60.70	0.000		
60.71	0.000		
60.72	0.000		

Summary for Pond 37P: DMH 38

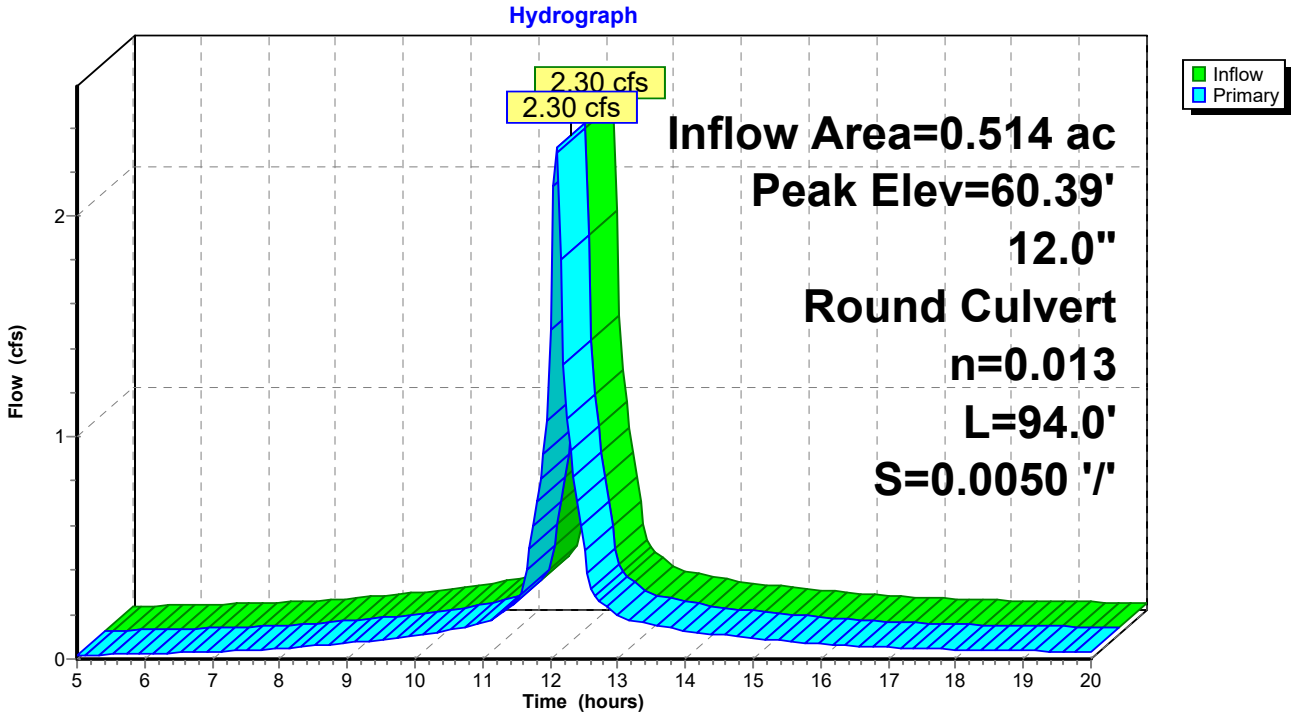
Inflow Area = 0.514 ac, 88.33% Impervious, Inflow Depth > 4.03" for 10-Year event
Inflow = 2.30 cfs @ 12.09 hrs, Volume= 0.173 af
Outflow = 2.30 cfs @ 12.09 hrs, Volume= 0.173 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.09 hrs, Volume= 0.173 af
Routed to Pond 38P : DMH 39

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.39' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.30'	**12.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.30' / 58.83' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.24 cfs @ 12.09 hrs HW=60.37' (Free Discharge)
1=Culvert (Inlet Controls 2.24 cfs @ 2.86 fps)

Pond 37P: DMH 38



Stage-Area-Storage for Pond 37P: DMH 38

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.30	**0.000**	59.83	0.000	60.36	0.000
59.31	0.000	59.84	0.000	60.37	0.000
59.32	0.000	59.85	0.000	60.38	0.000
59.33	0.000	59.86	0.000	60.39	0.000
59.34	0.000	59.87	0.000		
59.35	0.000	59.88	0.000		
59.36	0.000	59.89	0.000		
59.37	0.000	59.90	0.000		
59.38	0.000	59.91	0.000		
59.39	0.000	59.92	0.000		
59.40	0.000	59.93	0.000		
59.41	0.000	59.94	0.000		
59.42	0.000	59.95	0.000		
59.43	0.000	59.96	0.000		
59.44	0.000	59.97	0.000		
59.45	0.000	59.98	0.000		
59.46	0.000	59.99	0.000		
59.47	0.000	60.00	0.000		
59.48	0.000	60.01	0.000		
59.49	0.000	60.02	0.000		
59.50	0.000	60.03	0.000		
59.51	0.000	60.04	0.000		
59.52	0.000	60.05	0.000		
59.53	0.000	60.06	0.000		
59.54	0.000	60.07	0.000		
59.55	0.000	60.08	0.000		
59.56	0.000	60.09	0.000		
59.57	0.000	60.10	0.000		
59.58	0.000	60.11	0.000		
59.59	0.000	60.12	0.000		
59.60	0.000	60.13	0.000		
59.61	0.000	60.14	0.000		
59.62	0.000	60.15	0.000		
59.63	0.000	60.16	0.000		
59.64	0.000	60.17	0.000		
59.65	0.000	60.18	0.000		
59.66	0.000	60.19	0.000		
59.67	0.000	60.20	0.000		
59.68	0.000	60.21	0.000		
59.69	0.000	60.22	0.000		
59.70	0.000	60.23	0.000		
59.71	0.000	60.24	0.000		
59.72	0.000	60.25	0.000		
59.73	0.000	60.26	0.000		
59.74	0.000	60.27	0.000		
59.75	0.000	60.28	0.000		
59.76	0.000	60.29	0.000		
59.77	0.000	60.30	0.000		
59.78	0.000	60.31	0.000		
59.79	0.000	60.32	0.000		
59.80	0.000	60.33	0.000		
59.81	0.000	60.34	0.000		
59.82	0.000	60.35	0.000		

Summary for Pond 38P: DMH 39

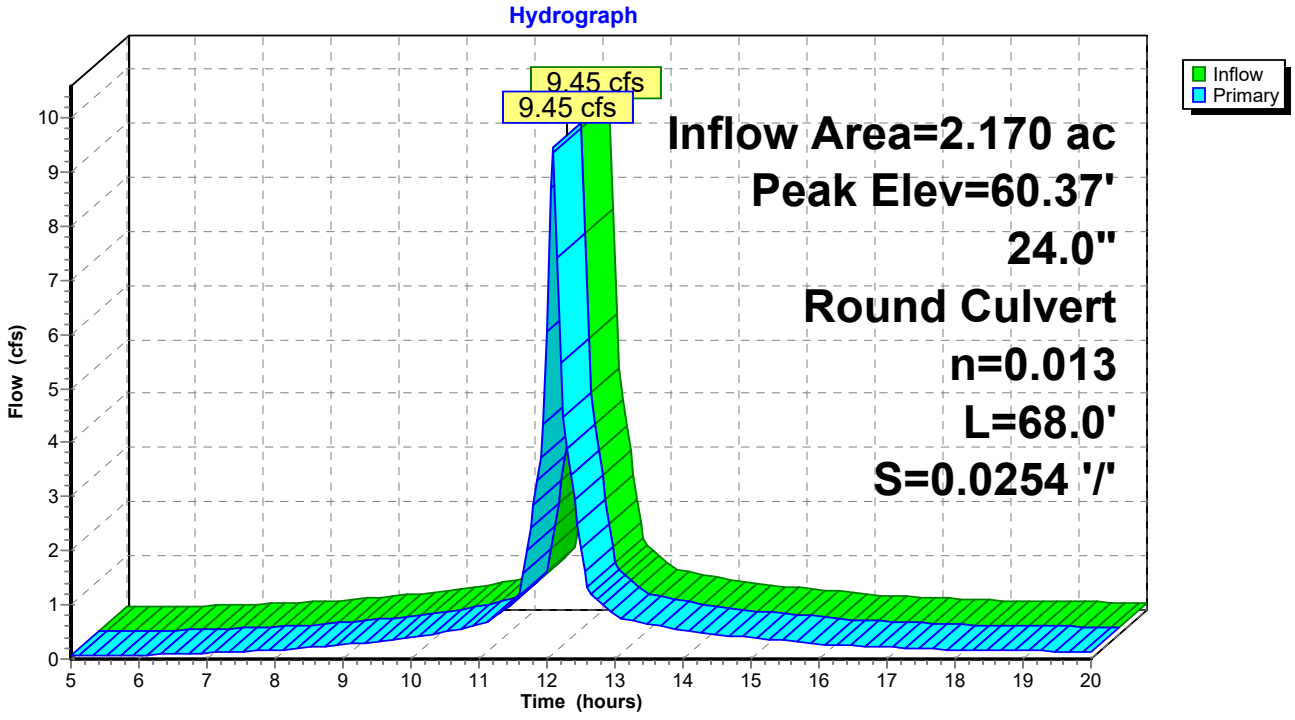
Inflow Area = 2.170 ac, 80.49% Impervious, Inflow Depth > 3.84" for 10-Year event
Inflow = 9.45 cfs @ 12.09 hrs, Volume= 0.695 af
Outflow = 9.45 cfs @ 12.09 hrs, Volume= 0.695 af, Atten= 0%, Lag= 0.0 min
Primary = 9.45 cfs @ 12.09 hrs, Volume= 0.695 af
Routed to Pond 15P : Inf. Basin 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.37' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.73'	**24.0" Round Culvert** L= 68.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.73' / 57.00' S= 0.0254 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.21 cfs @ 12.09 hrs HW=60.34' (Free Discharge)
1=Culvert (Inlet Controls 9.21 cfs @ 3.41 fps)

Pond 38P: DMH 39



Stage-Area-Storage for Pond 38P: DMH 39

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.73	**0.000**	59.79	0.000
58.75	0.000	59.81	0.000
58.77	0.000	59.83	0.000
58.79	0.000	59.85	0.000
58.81	0.000	59.87	0.000
58.83	0.000	59.89	0.000
58.85	0.000	59.91	0.000
58.87	0.000	59.93	0.000
58.89	0.000	59.95	0.000
58.91	0.000	59.97	0.000
58.93	0.000	59.99	0.000
58.95	0.000	60.01	0.000
58.97	0.000	60.03	0.000
58.99	0.000	60.05	0.000
59.01	0.000	60.07	0.000
59.03	0.000	60.09	0.000
59.05	0.000	60.11	0.000
59.07	0.000	60.13	0.000
59.09	0.000	60.15	0.000
59.11	0.000	60.17	0.000
59.13	0.000	60.19	0.000
59.15	0.000	60.21	0.000
59.17	0.000	60.23	0.000
59.19	0.000	60.25	0.000
59.21	0.000	60.27	0.000
59.23	0.000	60.29	0.000
59.25	0.000	60.31	0.000
59.27	0.000	60.33	0.000
59.29	0.000	60.35	0.000
59.31	0.000	60.37	0.000
59.33	0.000	60.39	0.000
59.35	0.000	60.41	0.000
59.37	0.000	60.43	0.000
59.39	0.000	60.45	0.000
59.41	0.000	60.47	0.000
59.43	0.000	60.49	0.000
59.45	0.000	60.51	0.000
59.47	0.000	60.53	0.000
59.49	0.000	60.55	0.000
59.51	0.000	60.57	0.000
59.53	0.000	60.59	0.000
59.55	0.000	60.61	0.000
59.57	0.000	60.63	0.000
59.59	0.000	60.65	0.000
59.61	0.000	60.67	0.000
59.63	0.000	60.69	0.000
59.65	0.000	60.71	0.000
59.67	0.000	60.73	0.000
59.69	0.000		
59.71	0.000		
59.73	0.000		
59.75	0.000		
59.77	0.000		

Summary for Pond 41P: CB 49

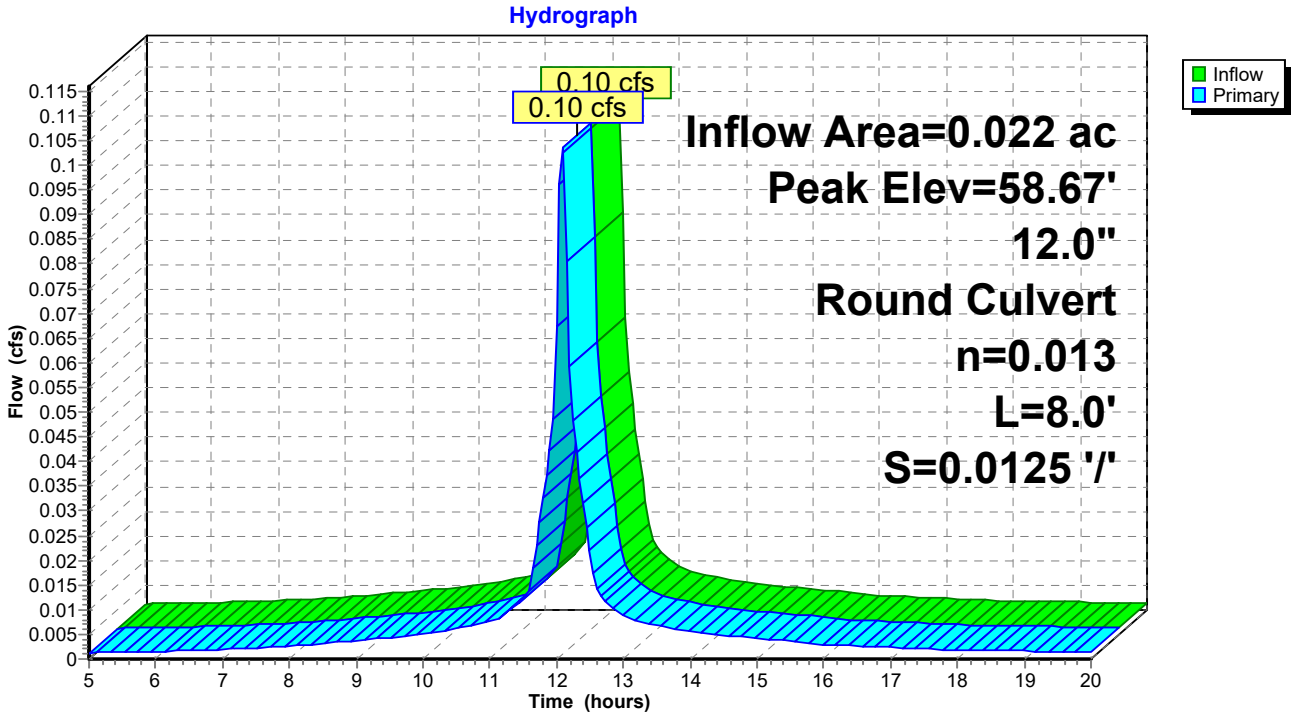
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth > 4.26" for 10-Year event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.0 min
Primary = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Routed to Pond 43P : DMH 35

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.67' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.50'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.50' / 58.40' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.10 cfs @ 12.09 hrs HW=58.67' (Free Discharge)
1=Culvert (Inlet Controls 0.10 cfs @ 1.12 fps)

Pond 41P: CB 49



Stage-Area-Storage for Pond 41P: CB 49

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.50	**0.000**	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000		
58.99	0.000		
59.00	0.000		
59.01	0.000		
59.02	0.000		

Summary for Pond 42P: CB 50

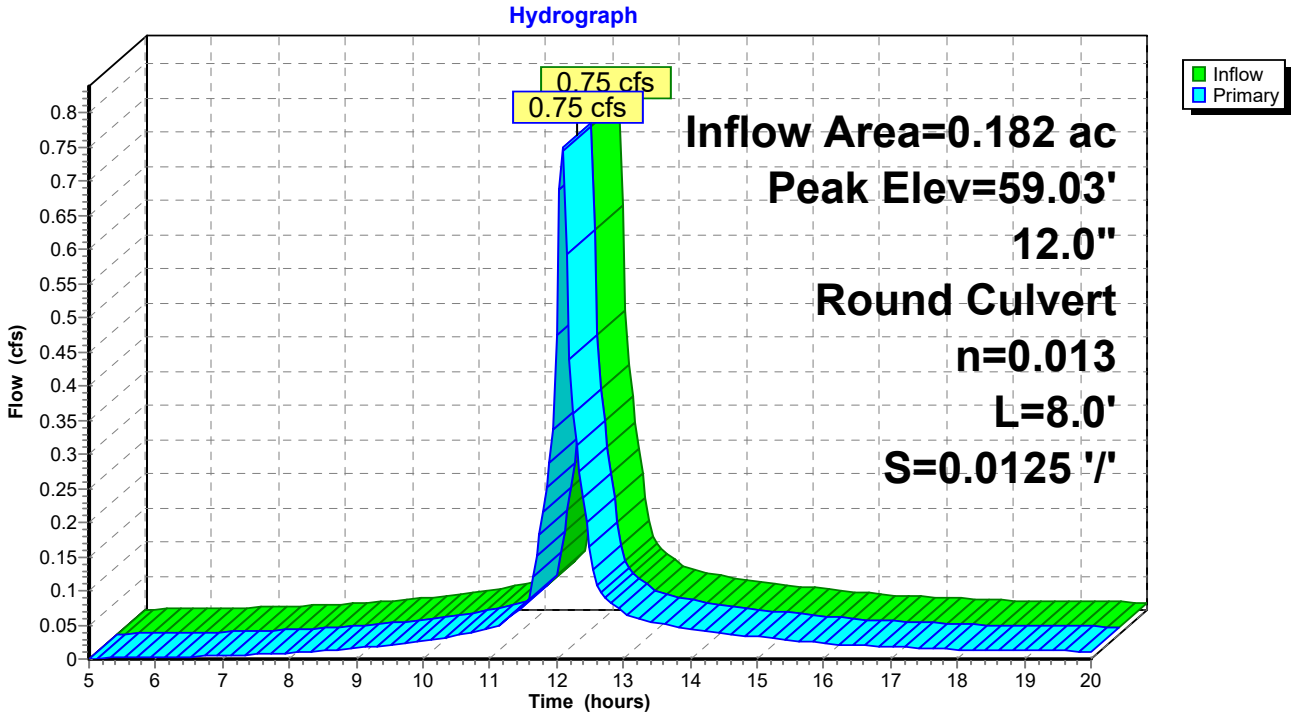
Inflow Area = 0.182 ac, 66.96% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af
Outflow = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af
Routed to Pond 43P : DMH 35

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.03' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.50'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.50' / 58.40' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.09 hrs HW=59.02' (Free Discharge)
1=Culvert (Barrel Controls 0.73 cfs @ 2.58 fps)

Pond 42P: CB 50



Stage-Area-Storage for Pond 42P: CB 50

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.50	**0.000**	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000		
58.99	0.000		
59.00	0.000		
59.01	0.000		
59.02	0.000		

Summary for Pond 43P: DMH 35

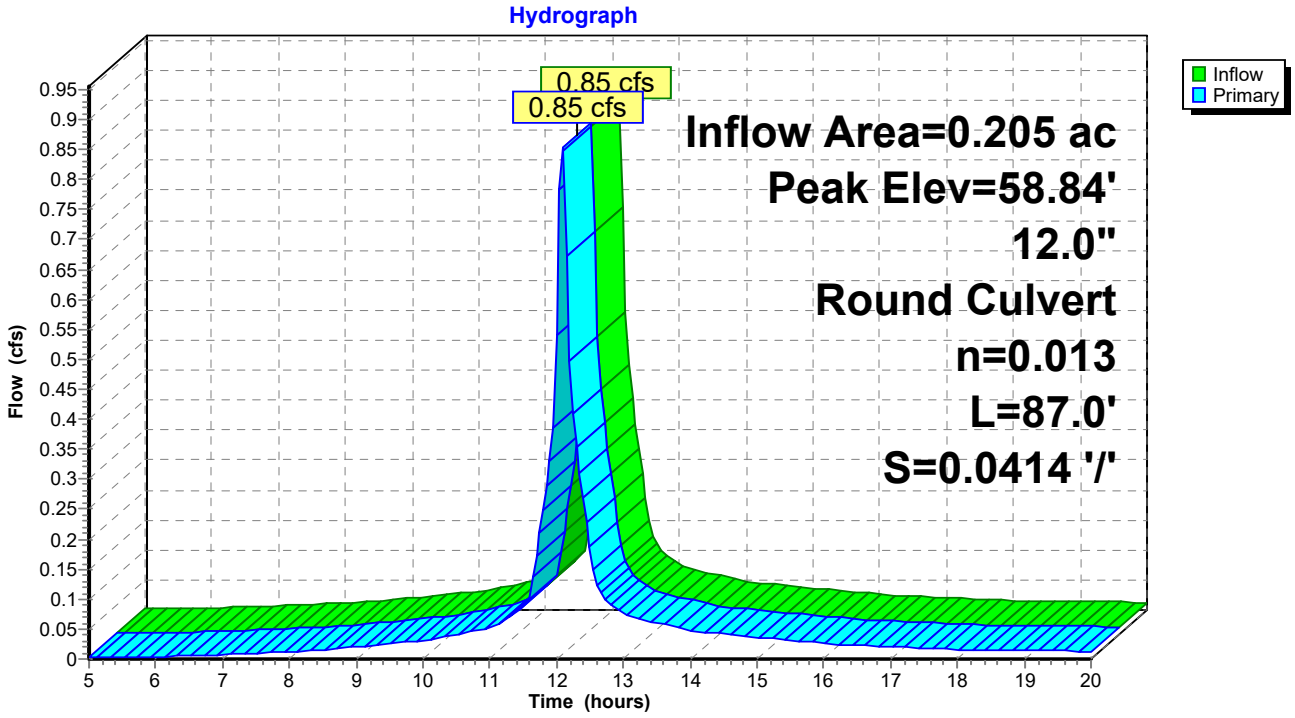
Inflow Area = 0.205 ac, 70.58% Impervious, Inflow Depth > 3.59" for 10-Year event
Inflow = 0.85 cfs @ 12.09 hrs, Volume= 0.061 af
Outflow = 0.85 cfs @ 12.09 hrs, Volume= 0.061 af, Atten= 0%, Lag= 0.0 min
Primary = 0.85 cfs @ 12.09 hrs, Volume= 0.061 af
Routed to Pond 206P : DMH 34

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.84' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.30'	**12.0" Round Culvert** L= 87.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.30' / 54.70' S= 0.0414 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.83 cfs @ 12.09 hrs HW=58.83' (Free Discharge)
1=Culvert (Inlet Controls 0.83 cfs @ 1.96 fps)

Pond 43P: DMH 35



Stage-Area-Storage for Pond 43P: DMH 35

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.30	**0.000**	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000		
58.79	0.000		
58.80	0.000		
58.81	0.000		
58.82	0.000		

Summary for Pond 46P: CB 48

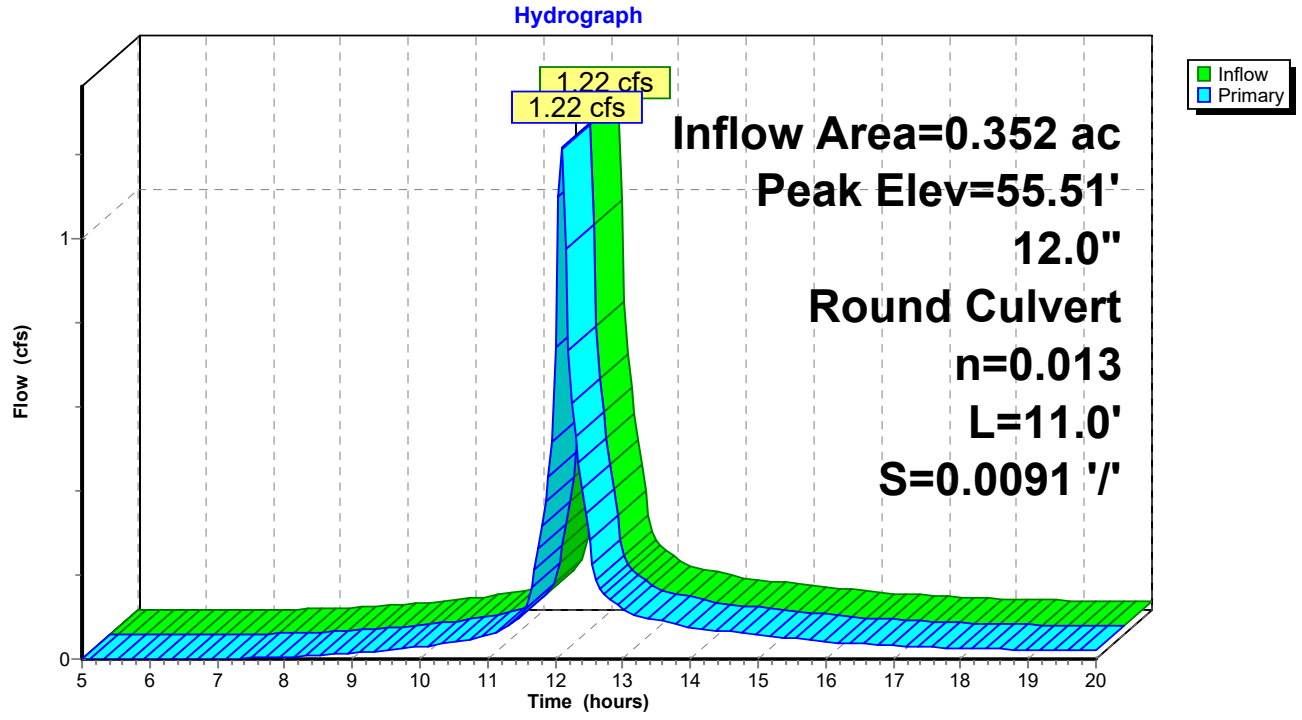
Inflow Area = 0.352 ac, 70.58% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 1.22 cfs @ 12.09 hrs, Volume= 0.083 af
Outflow = 1.22 cfs @ 12.09 hrs, Volume= 0.083 af, Atten= 0%, Lag= 0.0 min
Primary = 1.22 cfs @ 12.09 hrs, Volume= 0.083 af
Routed to Pond 48P : DMH 33

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.51' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.80'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.80' / 54.70' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.19 cfs @ 12.09 hrs HW=55.51' (Free Discharge)
1=Culvert (Barrel Controls 1.19 cfs @ 2.83 fps)

Pond 46P: CB 48



Stage-Area-Storage for Pond 46P: CB 48

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.80	**0.000**	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000	55.61	0.000
55.09	0.000	55.62	0.000
55.10	0.000	55.63	0.000
55.11	0.000	55.64	0.000
55.12	0.000	55.65	0.000
55.13	0.000	55.66	0.000
55.14	0.000	55.67	0.000
55.15	0.000	55.68	0.000
55.16	0.000	55.69	0.000
55.17	0.000	55.70	0.000
55.18	0.000	55.71	0.000
55.19	0.000	55.72	0.000
55.20	0.000	55.73	0.000
55.21	0.000	55.74	0.000
55.22	0.000	55.75	0.000
55.23	0.000	55.76	0.000
55.24	0.000	55.77	0.000
55.25	0.000	55.78	0.000
55.26	0.000	55.79	0.000
55.27	0.000	55.80	0.000
55.28	0.000		
55.29	0.000		
55.30	0.000		
55.31	0.000		
55.32	0.000		

Summary for Pond 47P: CB 47

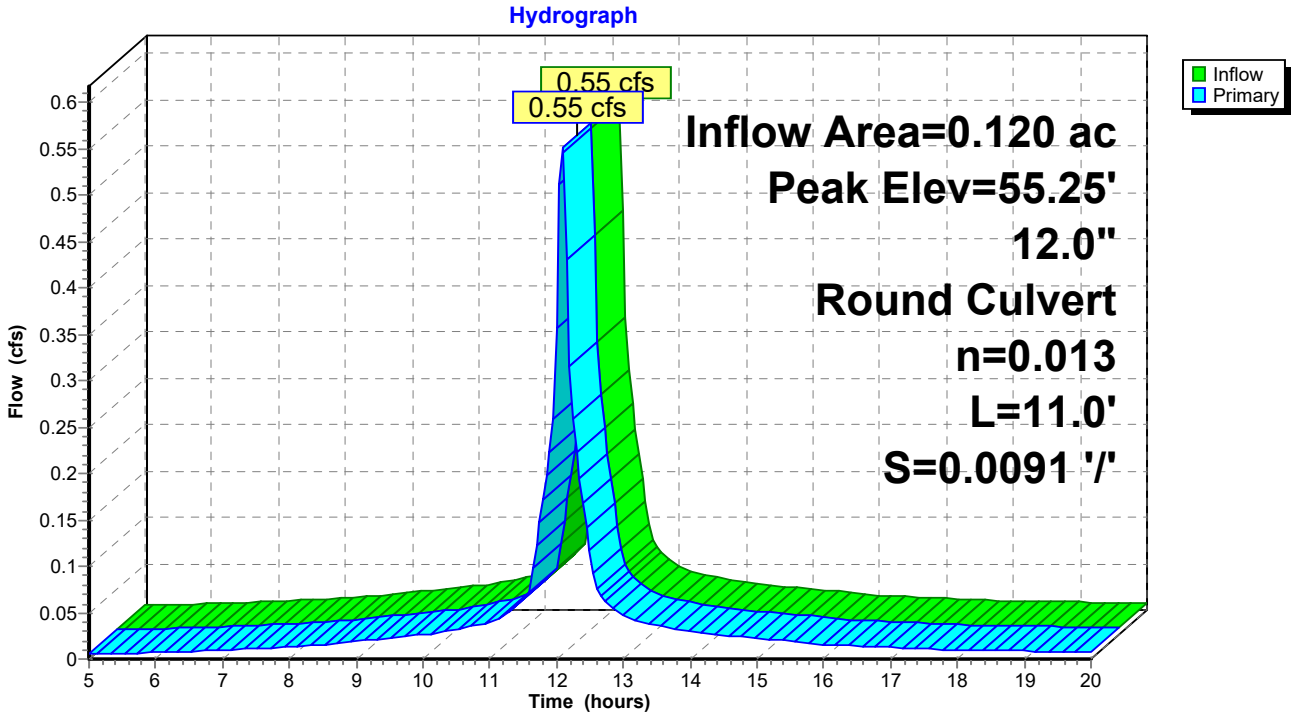
Inflow Area = 0.120 ac, 97.54% Impervious, Inflow Depth > 4.19" for 10-Year event
Inflow = 0.55 cfs @ 12.09 hrs, Volume= 0.042 af
Outflow = 0.55 cfs @ 12.09 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.55 cfs @ 12.09 hrs, Volume= 0.042 af
Routed to Pond 48P : DMH 33

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.25' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.80'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.80' / 54.70' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.54 cfs @ 12.09 hrs HW=55.24' (Free Discharge)
1=Culvert (Barrel Controls 0.54 cfs @ 2.37 fps)

Pond 47P: CB 47



Stage-Area-Storage for Pond 47P: CB 47

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.80	**0.000**	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000	55.61	0.000
55.09	0.000	55.62	0.000
55.10	0.000	55.63	0.000
55.11	0.000	55.64	0.000
55.12	0.000	55.65	0.000
55.13	0.000	55.66	0.000
55.14	0.000	55.67	0.000
55.15	0.000	55.68	0.000
55.16	0.000	55.69	0.000
55.17	0.000	55.70	0.000
55.18	0.000	55.71	0.000
55.19	0.000	55.72	0.000
55.20	0.000	55.73	0.000
55.21	0.000	55.74	0.000
55.22	0.000	55.75	0.000
55.23	0.000	55.76	0.000
55.24	0.000	55.77	0.000
55.25	0.000	55.78	0.000
55.26	0.000	55.79	0.000
55.27	0.000	55.80	0.000
55.28	0.000		
55.29	0.000		
55.30	0.000		
55.31	0.000		
55.32	0.000		

Summary for Pond 48P: DMH 33

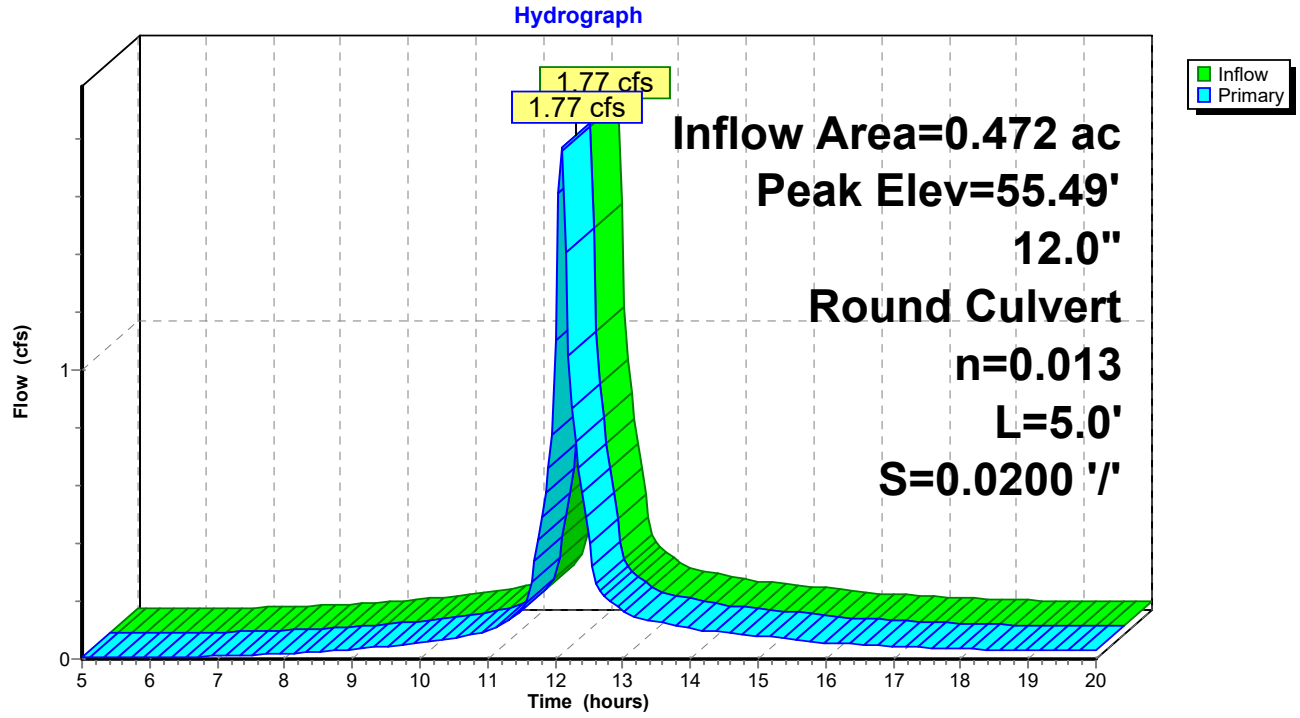
Inflow Area = 0.472 ac, 77.45% Impervious, Inflow Depth > 3.18" for 10-Year event
Inflow = 1.77 cfs @ 12.09 hrs, Volume= 0.125 af
Outflow = 1.77 cfs @ 12.09 hrs, Volume= 0.125 af, Atten= 0%, Lag= 0.0 min
Primary = 1.77 cfs @ 12.09 hrs, Volume= 0.125 af
Routed to Pond 49P : Sub. Inf. 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.49' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.73 cfs @ 12.09 hrs HW=55.47' (Free Discharge)
1=Culvert (Barrel Controls 1.73 cfs @ 3.18 fps)

Pond 48P: DMH 33



Stage-Area-Storage for Pond 48P: DMH 33

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 49P: Sub. Inf. 4

Inflow Area = 1.242 ac, 70.79% Impervious, Inflow Depth > 3.32" for 10-Year event
Inflow = 4.86 cfs @ 12.09 hrs, Volume= 0.344 af
Outflow = 1.78 cfs @ 12.36 hrs, Volume= 0.238 af, Atten= 63%, Lag= 16.0 min
Discarded = 0.13 cfs @ 12.36 hrs, Volume= 0.109 af
Primary = 1.65 cfs @ 12.36 hrs, Volume= 0.129 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.60' @ 12.36 hrs Surf.Area= 0.074 ac Storage= 0.141 af

Plug-Flow detention time= 116.7 min calculated for 0.237 af (69% of inflow)
Center-of-Mass det. time= 50.0 min (814.8 - 764.9)

Volume	Invert	Avail.Storage	Storage Description
#1A	54.00'	0.045 af	**55.25'W x 58.58'L x 3.00'H Field A** 0.223 af Overall - 0.111 af Embedded = 0.112 af x 40.0% Voids
#2A	54.50'	0.111 af	**ADS_StormTech SC-740 b +Cap** x 104 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 104 Chambers in 13 Rows Cap Storage= 2.7 cf x 2 x 13 rows = 69.0 cf
		0.156 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	54.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 50.00'
#2	Primary	54.00'	**12.0" Round Culvert** L= 76.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 51.50' S= 0.0329 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.00'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	56.80'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#5	Primary	54.00'	**12.0" Round Culvert** L= 76.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 51.00' S= 0.0395 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#6	Device 5	56.80'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#7	Device 5	56.00'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.13 cfs @ 12.36 hrs HW=56.60' (Free Discharge)
└─**1=Exfiltration** (Controls 0.13 cfs)

Primary OutFlow Max=1.65 cfs @ 12.36 hrs HW=56.60' (Free Discharge)
├─**2=Culvert** (Passes 0.83 cfs of 4.32 cfs potential flow)
│ ├─**3=Orifice/Grate** (Orifice Controls 0.83 cfs @ 3.15 fps)
│ └─**4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
└─**5=Culvert** (Passes 0.83 cfs of 4.32 cfs potential flow)
 ├─**6=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 └─**7=Orifice/Grate** (Orifice Controls 0.83 cfs @ 3.15 fps)

Pond 49P: Sub. Inf. 4 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 13 rows = 69.0 cf

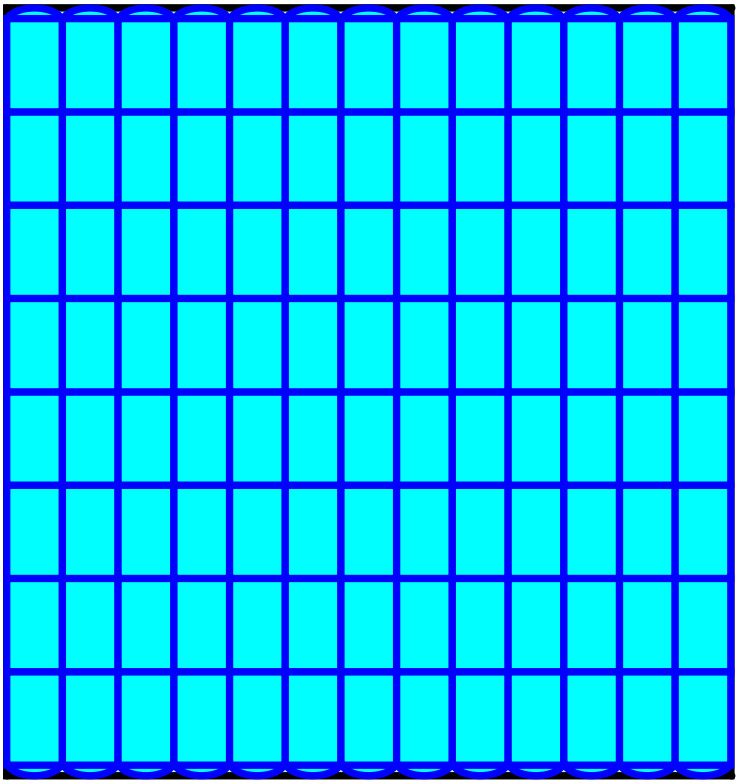
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length
13 Rows x 51.0" Wide = 55.25' Base Width
6.0" Stone Base + 30.0" Chamber Height = 3.00' Field Height

104 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 13 Rows = 4,846.8 cf Chamber Storage

9,709.1 cf Field - 4,846.8 cf Chambers = 4,862.3 cf Stone x 40.0% Voids = 1,944.9 cf Stone Storage

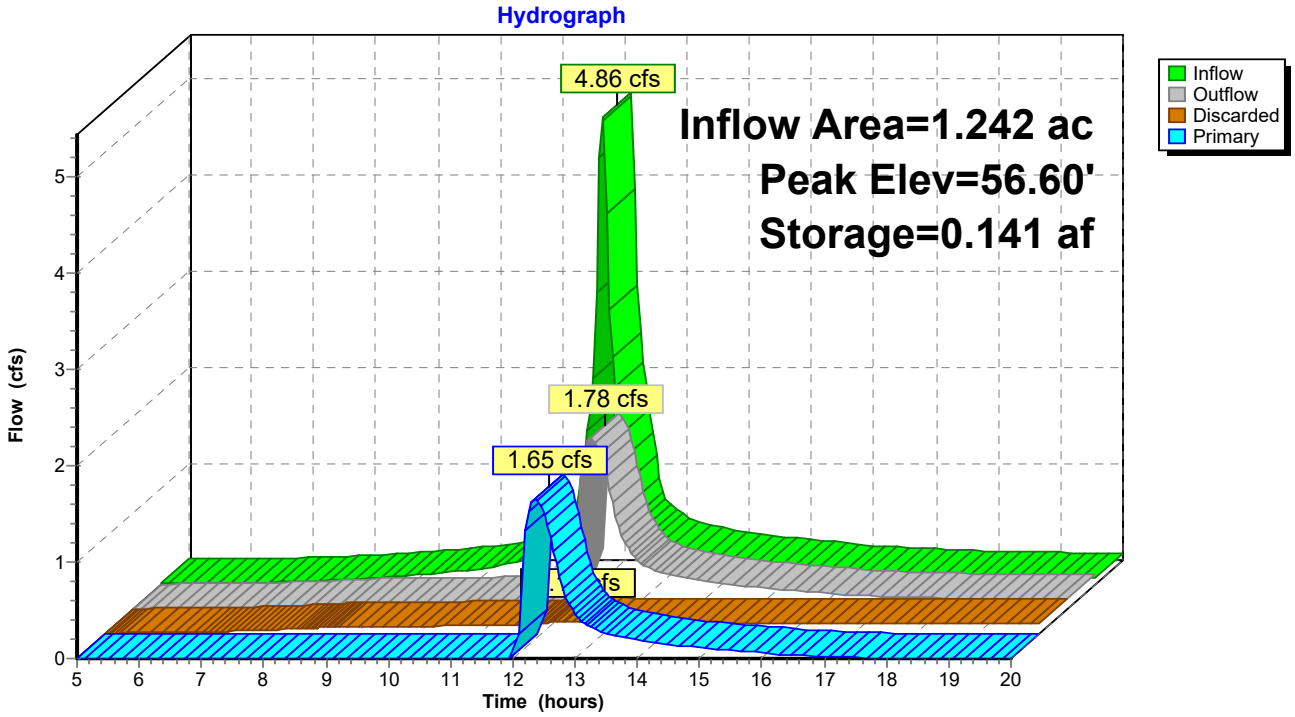
Chamber Storage + Stone Storage = 6,791.7 cf = 0.156 af
Overall Storage Efficiency = 70.0%
Overall System Size = 58.58' x 55.25' x 3.00'

104 Chambers
359.6 cy Field
180.1 cy Stone





Pond 49P: Sub. Inf. 4



Stage-Area-Storage for Pond 49P: Sub. Inf. 4

Elevation (feet)	Surface (acres)	Storage (acre-feet)
54.00	**0.074**	0.000
54.05	0.074	0.001
54.10	0.074	0.003
54.15	0.074	0.004
54.20	0.074	0.006
54.25	0.074	0.007
54.30	0.074	0.009
54.35	0.074	0.010
54.40	0.074	0.012
54.45	0.074	0.013
54.50	0.074	0.015
54.55	0.074	0.018
54.60	0.074	0.022
54.65	0.074	0.025
54.70	0.074	0.028
54.75	0.074	0.032
54.80	0.074	0.035
54.85	0.074	0.039
54.90	0.074	0.042
54.95	0.074	0.045
55.00	0.074	0.049
55.05	0.074	0.052
55.10	0.074	0.055
55.15	0.074	0.058
55.20	0.074	0.062
55.25	0.074	0.065
55.30	0.074	0.068
55.35	0.074	0.071
55.40	0.074	0.074
55.45	0.074	0.078
55.50	0.074	0.081
55.55	0.074	0.084
55.60	0.074	0.087
55.65	0.074	0.090
55.70	0.074	0.093
55.75	0.074	0.096
55.80	0.074	0.099
55.85	0.074	0.102
55.90	0.074	0.105
55.95	0.074	0.108
56.00	0.074	0.111
56.05	0.074	0.113
56.10	0.074	0.116
56.15	0.074	0.119
56.20	0.074	0.122
56.25	0.074	0.124
56.30	0.074	0.127
56.35	0.074	0.130
56.40	0.074	0.132
56.45	0.074	0.134
56.50	0.074	0.137
56.55	0.074	0.139
56.60	0.074	0.141
56.65	0.074	0.144
56.70	0.074	0.146
56.75	0.074	0.148
56.80	0.074	0.149
56.85	0.074	0.151
56.90	0.074	0.153
56.95	0.074	0.154
57.00	0.074	**0.156**

Summary for Pond 52P: CB 20

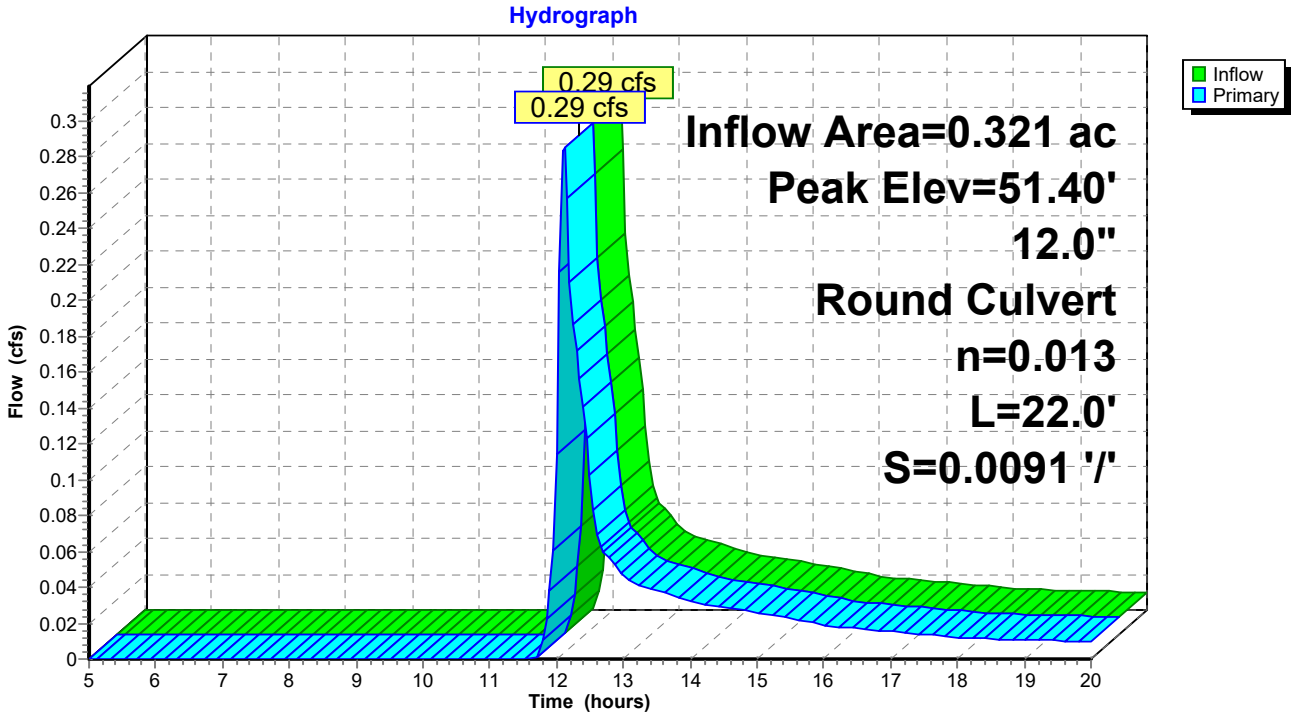
Inflow Area = 0.321 ac, 29.26% Impervious, Inflow Depth > 0.85" for 10-Year event
Inflow = 0.29 cfs @ 12.11 hrs, Volume= 0.023 af
Outflow = 0.29 cfs @ 12.11 hrs, Volume= 0.023 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.11 hrs, Volume= 0.023 af
Routed to Pond 54P : DMH 15

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.40' @ 12.11 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.10'	**12.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.10' / 50.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.11 hrs HW=51.39' (Free Discharge)
1=Culvert (Inlet Controls 0.28 cfs @ 1.45 fps)

Pond 52P: CB 20



Stage-Area-Storage for Pond 52P: CB 20

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.10	**0.000**	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000		
51.59	0.000		
51.60	0.000		
51.61	0.000		
51.62	0.000		

Summary for Pond 53P: CB 21

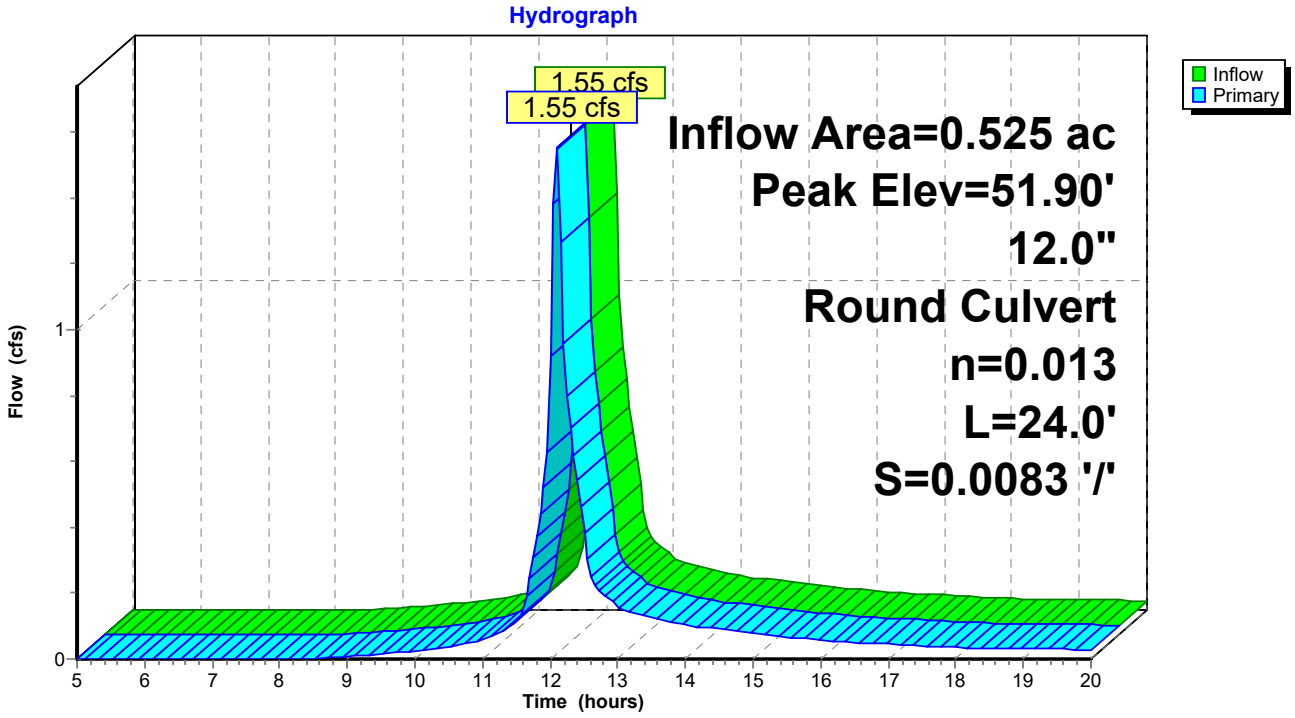
Inflow Area = 0.525 ac, 65.45% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 1.55 cfs @ 12.09 hrs, Volume= 0.105 af
Outflow = 1.55 cfs @ 12.09 hrs, Volume= 0.105 af, Atten= 0%, Lag= 0.0 min
Primary = 1.55 cfs @ 12.09 hrs, Volume= 0.105 af
Routed to Pond 54P : DMH 15

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.10'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.10' / 50.90' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.52 cfs @ 12.09 hrs HW=51.89' (Free Discharge)
1=Culvert (Barrel Controls 1.52 cfs @ 3.16 fps)

Pond 53P: CB 21



Stage-Area-Storage for Pond 53P: CB 21

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.10	**0.000**	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000		
51.59	0.000		
51.60	0.000		
51.61	0.000		
51.62	0.000		

Summary for Pond 54P: DMH 15

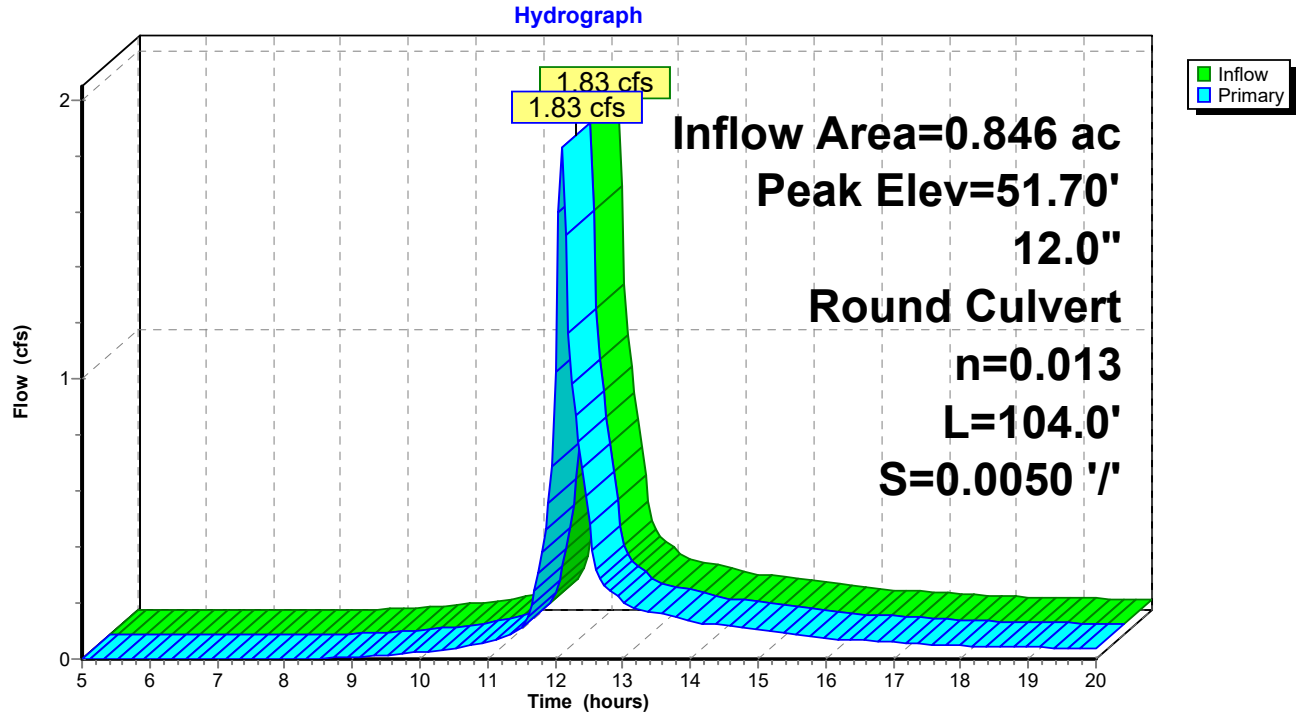
Inflow Area = 0.846 ac, 51.73% Impervious, Inflow Depth > 1.81" for 10-Year event
Inflow = 1.83 cfs @ 12.10 hrs, Volume= 0.127 af
Outflow = 1.83 cfs @ 12.10 hrs, Volume= 0.127 af, Atten= 0%, Lag= 0.0 min
Primary = 1.83 cfs @ 12.10 hrs, Volume= 0.127 af
Routed to Pond 55P : DMH 16

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.70' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.80'	**12.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.80' / 50.28' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.81 cfs @ 12.10 hrs HW=51.69' (Free Discharge)
1=Culvert (Barrel Controls 1.81 cfs @ 3.24 fps)

Pond 54P: DMH 15



Stage-Area-Storage for Pond 54P: DMH 15

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.80	**0.000**	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		
51.32	0.000		

Summary for Pond 55P: DMH 16

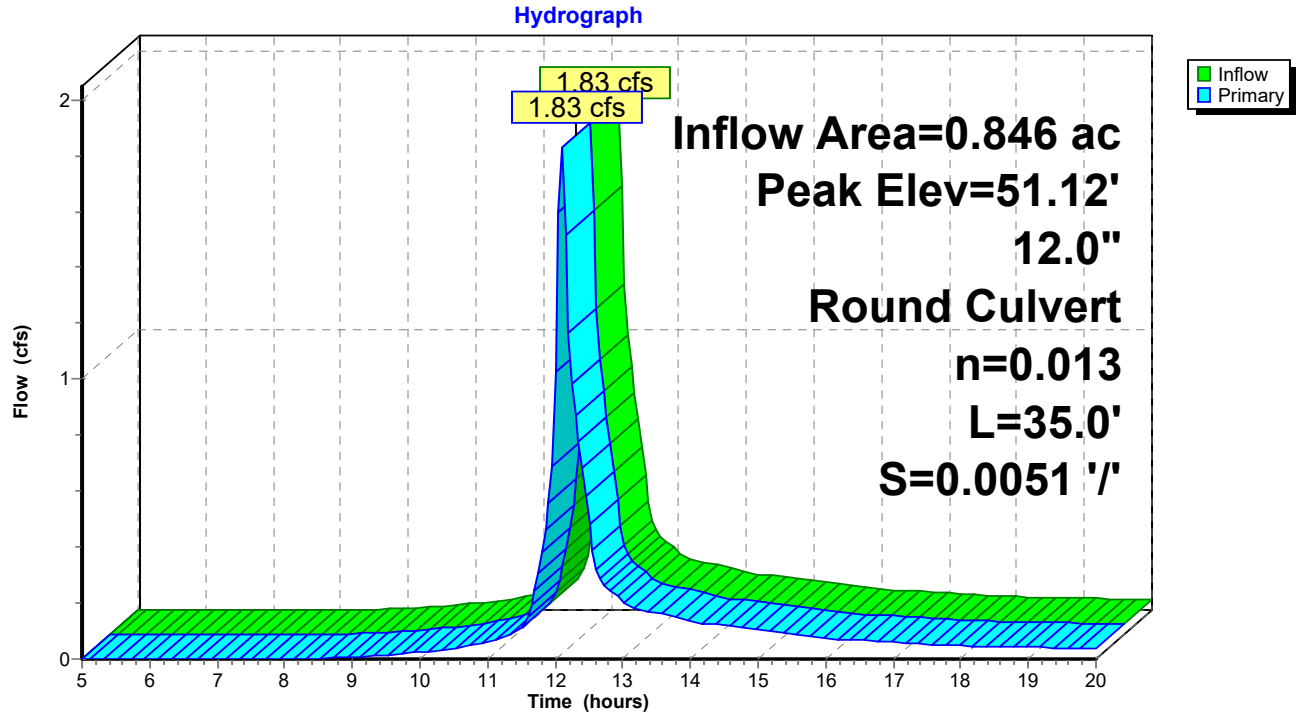
Inflow Area = 0.846 ac, 51.73% Impervious, Inflow Depth > 1.81" for 10-Year event
Inflow = 1.83 cfs @ 12.10 hrs, Volume= 0.127 af
Outflow = 1.83 cfs @ 12.10 hrs, Volume= 0.127 af, Atten= 0%, Lag= 0.0 min
Primary = 1.83 cfs @ 12.10 hrs, Volume= 0.127 af
Routed to Pond 56P : Inf. Basin 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.12' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.18'	**12.0" Round Culvert** L= 35.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.18' / 50.00' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.81 cfs @ 12.10 hrs HW=51.11' (Free Discharge)
1=Culvert (Barrel Controls 1.81 cfs @ 3.09 fps)

Pond 55P: DMH 16



Stage-Area-Storage for Pond 55P: DMH 16

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.18	**0.000**	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000	50.83	0.000
50.31	0.000	50.84	0.000
50.32	0.000	50.85	0.000
50.33	0.000	50.86	0.000
50.34	0.000	50.87	0.000
50.35	0.000	50.88	0.000
50.36	0.000	50.89	0.000
50.37	0.000	50.90	0.000
50.38	0.000	50.91	0.000
50.39	0.000	50.92	0.000
50.40	0.000	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000		
50.67	0.000		
50.68	0.000		
50.69	0.000		
50.70	0.000		

Summary for Pond 56P: Inf. Basin 4

Inflow Area = 1.385 ac, 33.76% Impervious, Inflow Depth > 1.15" for 10-Year event
Inflow = 1.83 cfs @ 12.10 hrs, Volume= 0.133 af
Outflow = 0.48 cfs @ 12.51 hrs, Volume= 0.133 af, Atten= 74%, Lag= 24.5 min
Discarded = 0.48 cfs @ 12.51 hrs, Volume= 0.133 af
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.97' @ 12.51 hrs Surf.Area= 2,239 sf Storage= 1,567 cf

Plug-Flow detention time= 28.7 min calculated for 0.133 af (100% of inflow)
Center-of-Mass det. time= 28.0 min (835.3 - 807.2)

Volume	Invert	Avail.Storage	Storage Description
#1	50.00'	11,770 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

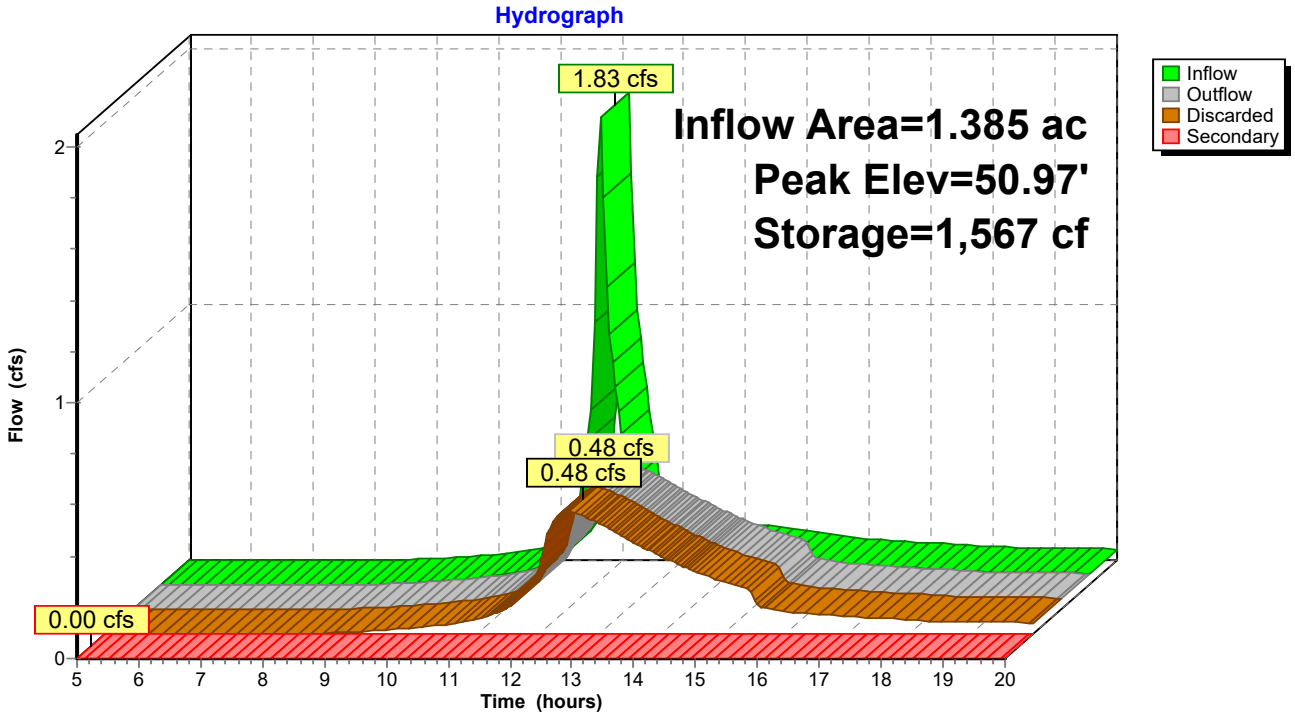
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
50.00	985	0	0
51.00	2,275	1,630	1,630
52.00	2,983	2,629	4,259
53.00	3,742	3,363	7,622
54.00	4,554	4,148	11,770

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.00'	**7.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 48.00'
#2	Secondary	53.50'	**6.0' long x 6.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83

Discarded OutFlow Max=0.48 cfs @ 12.51 hrs HW=50.97' (Free Discharge)
1=Exfiltration (Controls 0.48 cfs)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=50.00' (Free Discharge)
2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 56P: Inf. Basin 4



Stage-Area-Storage for Pond 56P: Inf. Basin 4

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
50.00	985	0
50.05	1,049	51
50.10	1,114	105
50.15	1,178	162
50.20	1,243	223
50.25	1,308	287
50.30	1,372	354
50.35	1,437	424
50.40	1,501	497
50.45	1,566	574
50.50	1,630	654
50.55	1,694	737
50.60	1,759	823
50.65	1,823	913
50.70	1,888	1,006
50.75	1,953	1,102
50.80	2,017	1,201
50.85	2,082	1,303
50.90	2,146	1,409
50.95	2,211	1,518
51.00	2,275	1,630
51.05	2,310	1,745
51.10	2,346	1,861
51.15	2,381	1,979
51.20	2,417	2,099
51.25	2,452	2,221
51.30	2,487	2,344
51.35	2,523	2,470
51.40	2,558	2,597
51.45	2,594	2,725
51.50	2,629	2,856
51.55	2,664	2,988
51.60	2,700	3,122
51.65	2,735	3,258
51.70	2,771	3,396
51.75	2,806	3,535
51.80	2,841	3,677
51.85	2,877	3,820
51.90	2,912	3,964
51.95	2,948	4,111
52.00	2,983	4,259
52.05	3,021	4,409
52.10	3,059	4,561
52.15	3,097	4,715
52.20	3,135	4,871
52.25	3,173	5,028
52.30	3,211	5,188
52.35	3,249	5,350
52.40	3,287	5,513
52.45	3,325	5,678
52.50	3,363	5,845
52.55	3,400	6,014
52.60	3,438	6,185
52.65	3,476	6,358
52.70	3,514	6,533
52.75	3,552	6,710
52.80	3,590	6,888
52.85	3,628	7,069
52.90	3,666	7,251
52.95	3,704	7,435
53.00	3,742	7,622
53.05	3,783	7,810
53.10	3,823	8,000
53.15	3,864	8,192
53.20	3,904	8,386
53.25	3,945	8,582
53.30	3,986	8,781
53.35	4,026	8,981
53.40	4,067	9,183
53.45	4,107	9,388
53.50	4,148	9,594
53.55	4,189	9,802
53.60	4,229	10,013
53.65	4,270	10,225
53.70	4,310	10,440
53.75	4,351	10,656
53.80	4,392	10,875
53.85	4,432	11,096
53.90	4,473	11,318
53.95	4,513	11,543
54.00	**4,554**	**11,770**

Summary for Pond 60P: Sub. Det. 1

Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 3.54" for 10-Year event
Inflow = 8.25 cfs @ 12.09 hrs, Volume= 0.588 af
Outflow = 7.23 cfs @ 12.14 hrs, Volume= 0.501 af, Atten= 12%, Lag= 2.9 min
Primary = 7.23 cfs @ 12.14 hrs, Volume= 0.501 af
Routed to Pond 187P : Constructed Wetland 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.04' @ 12.14 hrs Surf.Area= 0.094 ac Storage= 0.132 af

Plug-Flow detention time= 80.5 min calculated for 0.500 af (85% of inflow)
Center-of-Mass det. time= 37.4 min (798.0 - 760.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	60.00'	0.083 af	**39.50'W x 103.30'L x 3.50'H Field A** 0.328 af Overall - 0.119 af Embedded = 0.209 af x 40.0% Voids
#2A	60.50'	0.119 af	**ADS_StormTech SC-740 b +Cap** x 112 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 112 Chambers in 8 Rows Cap Storage= 2.7 cf x 2 x 8 rows = 42.5 cf
		0.203 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**18.0" Round Culvert** L= 29.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 56.00' S= 0.1379 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	60.50'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	61.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=7.10 cfs @ 12.14 hrs HW=62.03' (Free Discharge)
└**1=Culvert** (Passes 7.10 cfs of 7.60 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.03 cfs @ 5.87 fps)
  └**3=Sharp-Crested Rectangular Weir** (Weir Controls 7.07 cfs @ 2.69 fps)

Pond 60P: Sub. Det. 1 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 8 rows = 42.5 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

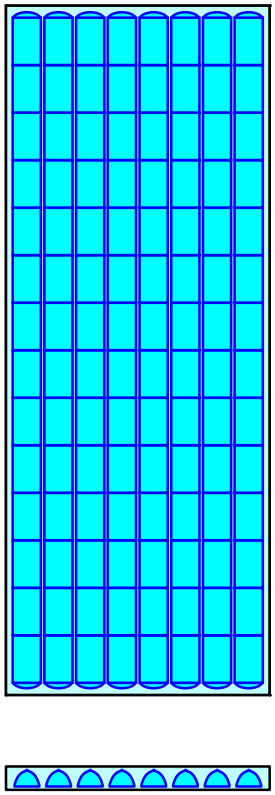
14 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 101.30' Row Length +12.0" End Stone x 2 = 103.30' Base Length
8 Rows x 51.0" Wide + 6.0" Spacing x 7 + 12.0" Side Stone x 2 = 39.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

112 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 8 Rows = 5,187.8 cf Chamber Storage

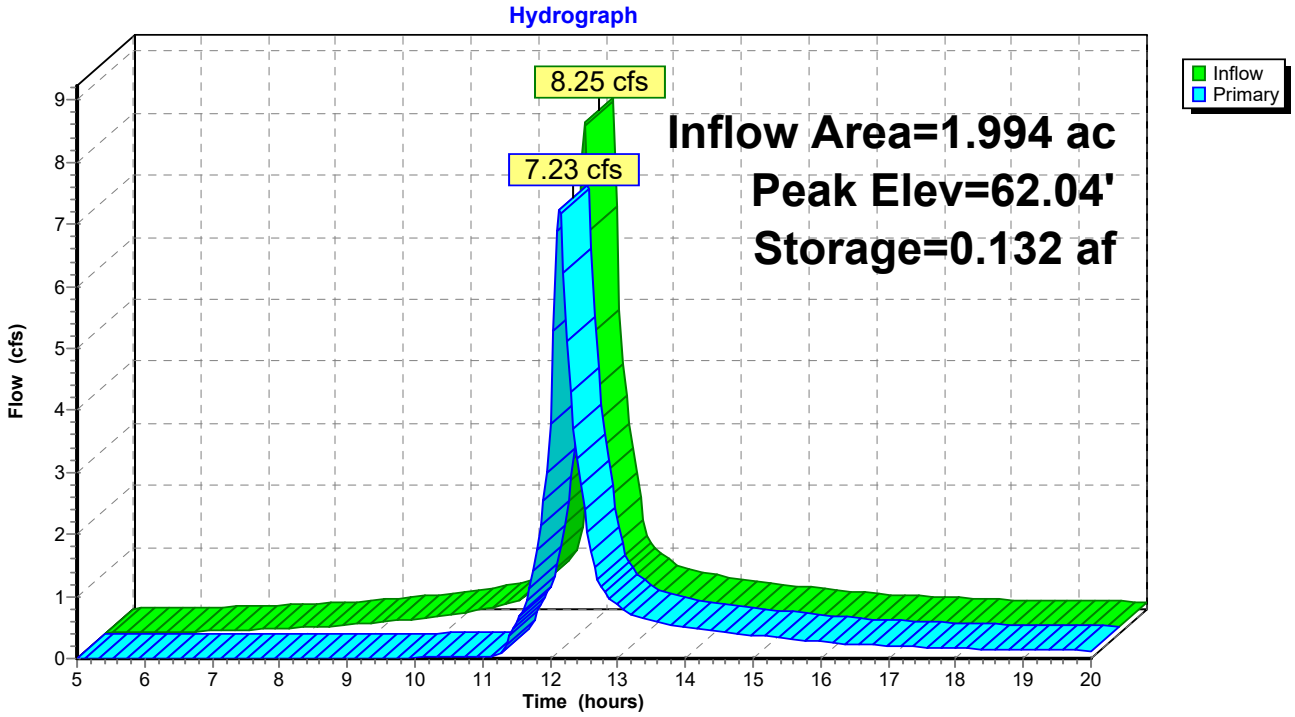
14,280.8 cf Field - 5,187.8 cf Chambers = 9,093.0 cf Stone x 40.0% Voids = 3,637.2 cf Stone Storage

Chamber Storage + Stone Storage = 8,825.0 cf = 0.203 af
Overall Storage Efficiency = 61.8%
Overall System Size = 103.30' x 39.50' x 3.50'

112 Chambers
528.9 cy Field
336.8 cy Stone



Pond 60P: Sub. Det. 1



Stage-Area-Storage for Pond 60P: Sub. Det. 1

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	0.000	62.65	0.169
60.05	0.002	62.70	0.171
60.10	0.004	62.75	0.174
60.15	0.006	62.80	0.176
60.20	0.007	62.85	0.178
60.25	0.009	62.90	0.180
60.30	0.011	62.95	0.182
60.35	0.013	63.00	0.184
60.40	0.015	63.05	0.186
60.45	0.017	63.10	0.188
60.50	0.019	63.15	0.189
60.55	0.023	63.20	0.191
60.60	0.027	63.25	0.193
60.65	0.031	63.30	0.195
60.70	0.034	63.35	0.197
60.75	0.038	63.40	0.199
60.80	0.042	63.45	0.201
60.85	0.046	63.50	**0.203**
60.90	0.050		
60.95	0.054		
61.00	0.058		
61.05	0.061		
61.10	0.065		
61.15	0.069		
61.20	0.073		
61.25	0.077		
61.30	0.080		
61.35	0.084		
61.40	0.088		
61.45	0.091		
61.50	0.095		
61.55	0.099		
61.60	0.102		
61.65	0.106		
61.70	0.109		
61.75	0.113		
61.80	0.116		
61.85	0.120		
61.90	0.123		
61.95	0.126		
62.00	0.130		
62.05	0.133		
62.10	0.136		
62.15	0.140		
62.20	0.143		
62.25	0.146		
62.30	0.149		
62.35	0.152		
62.40	0.155		
62.45	0.158		
62.50	0.161		
62.55	0.163		
62.60	0.166		

Summary for Pond 61P: CB 8

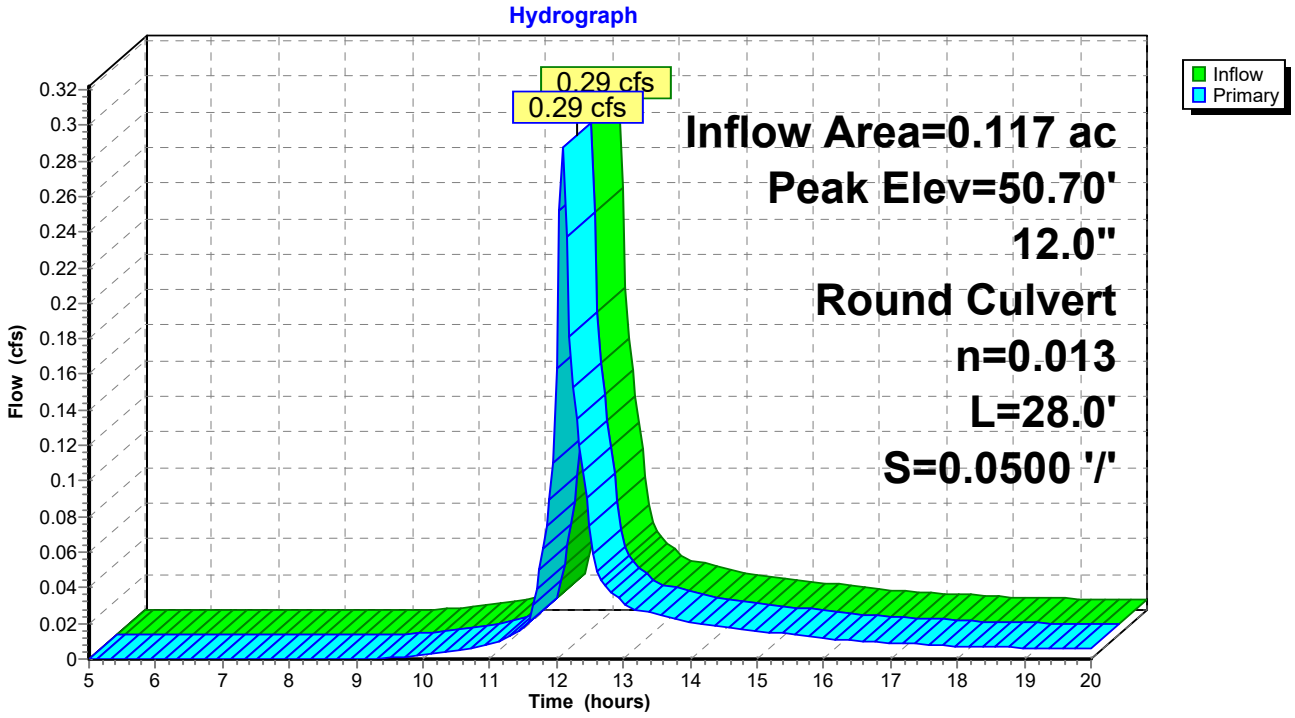
Inflow Area = 0.117 ac, 57.03% Impervious, Inflow Depth > 1.99" for 10-Year event
Inflow = 0.29 cfs @ 12.10 hrs, Volume= 0.019 af
Outflow = 0.29 cfs @ 12.10 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.10 hrs, Volume= 0.019 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.70' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.40'	**12.0" Round Culvert** L= 28.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.40' / 49.00' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.10 hrs HW=50.70' (Free Discharge)
1=Culvert (Inlet Controls 0.28 cfs @ 1.46 fps)

Pond 61P: CB 8



Stage-Area-Storage for Pond 61P: CB 8

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.40	**0.000**	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000		
50.89	0.000		
50.90	0.000		
50.91	0.000		
50.92	0.000		

Summary for Pond 62P: CB 66

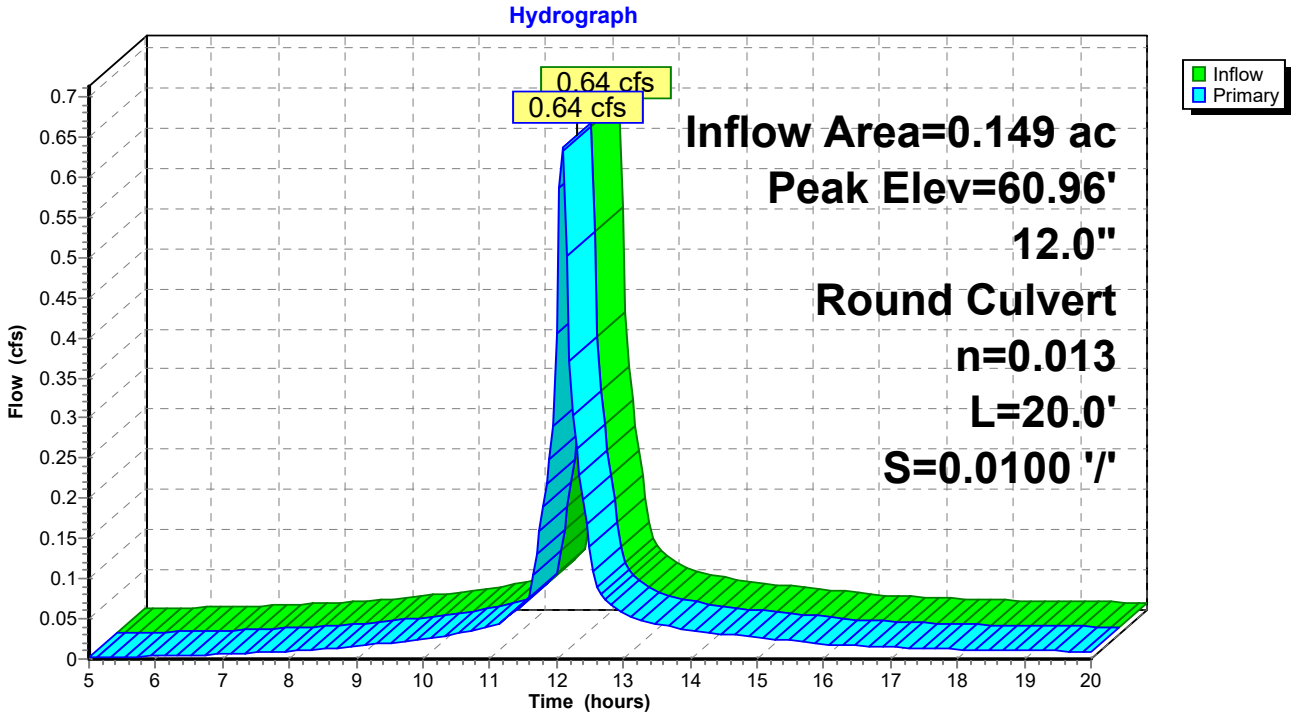
Inflow Area = 0.149 ac, 73.97% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 0.64 cfs @ 12.09 hrs, Volume= 0.046 af
Outflow = 0.64 cfs @ 12.09 hrs, Volume= 0.046 af, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.09 hrs, Volume= 0.046 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.50'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.50' / 60.30' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=60.95' (Free Discharge)
1=Culvert (Inlet Controls 0.62 cfs @ 1.80 fps)

Pond 62P: CB 66



Stage-Area-Storage for Pond 62P: CB 66

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.50	**0.000**	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000		
60.99	0.000		
61.00	0.000		
61.01	0.000		
61.02	0.000		

Summary for Pond 63P: CB 67

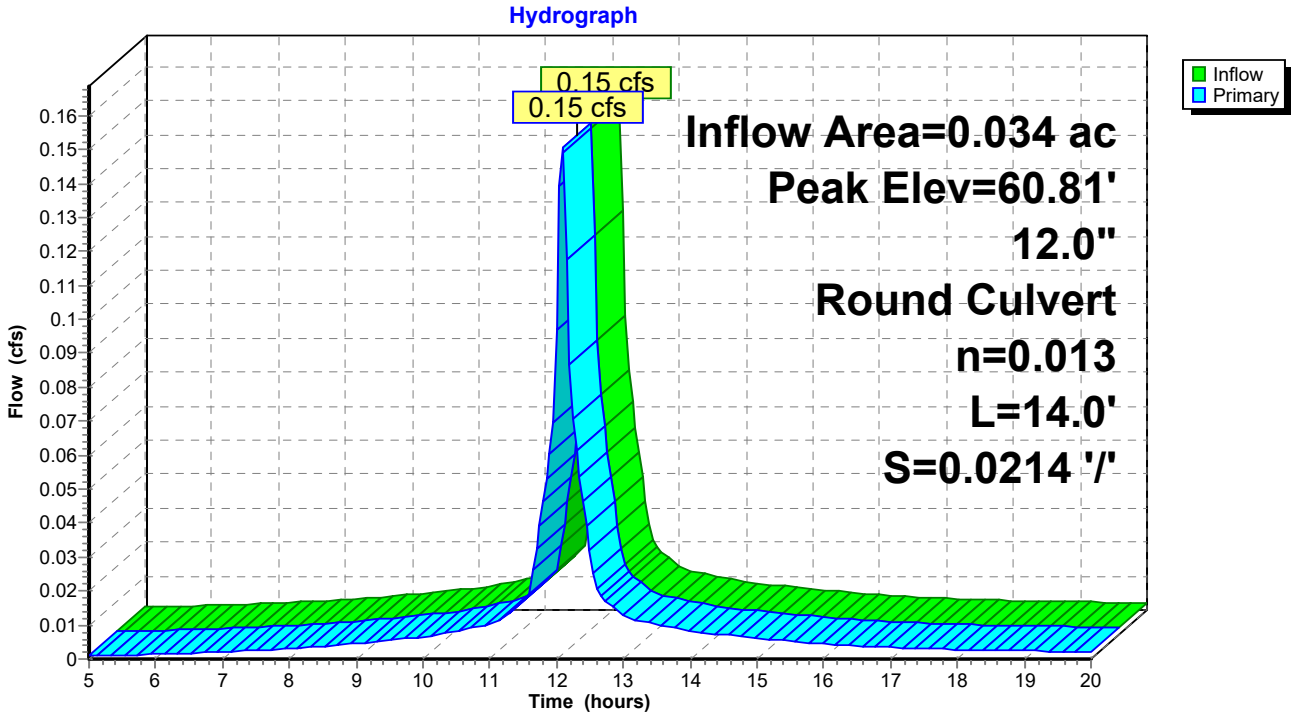
Inflow Area = 0.034 ac, 87.02% Impervious, Inflow Depth > 4.00" for 10-Year event
Inflow = 0.15 cfs @ 12.09 hrs, Volume= 0.011 af
Outflow = 0.15 cfs @ 12.09 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Primary = 0.15 cfs @ 12.09 hrs, Volume= 0.011 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.81' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.60'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.60' / 60.30' S= 0.0214 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.15 cfs @ 12.09 hrs HW=60.81' (Free Discharge)
1=Culvert (Inlet Controls 0.15 cfs @ 1.23 fps)

Pond 63P: CB 67



Stage-Area-Storage for Pond 63P: CB 67

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.60	**0.000**	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000		
61.09	0.000		
61.10	0.000		
61.11	0.000		
61.12	0.000		

Summary for Pond 64P: DMH 47

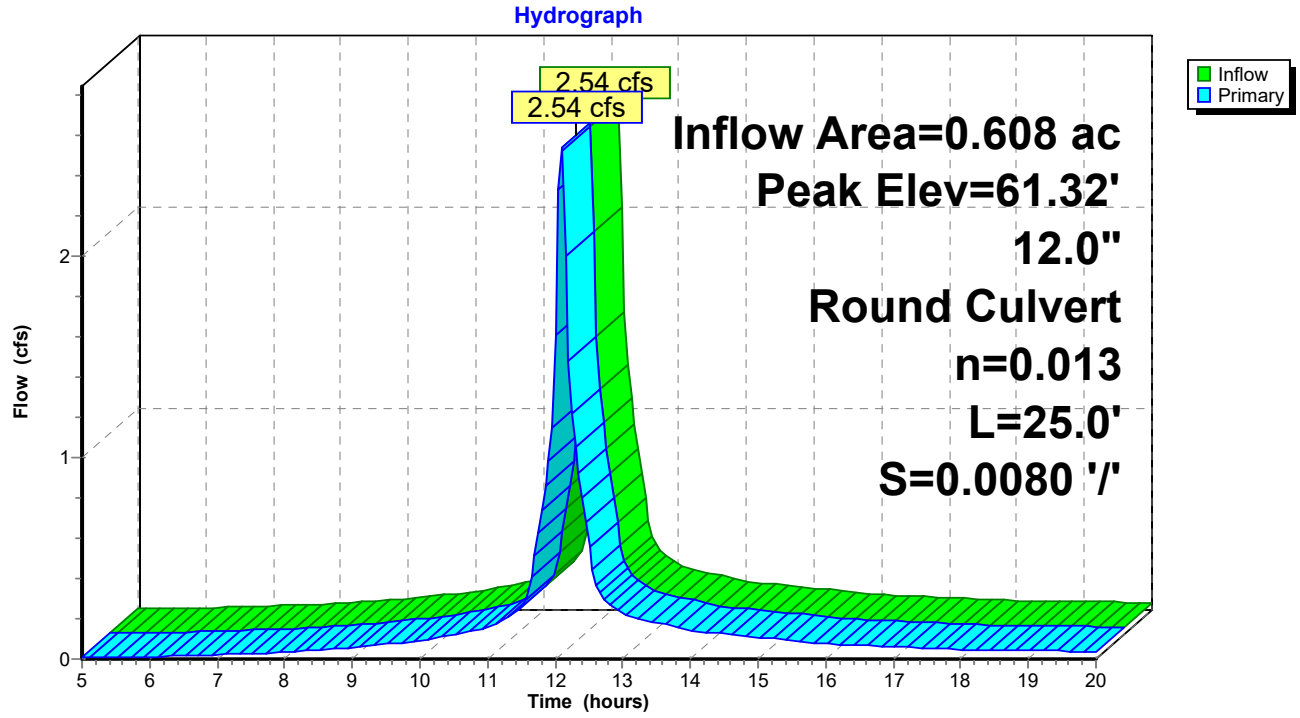
Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 3.58" for 10-Year event
Inflow = 2.54 cfs @ 12.09 hrs, Volume= 0.182 af
Outflow = 2.54 cfs @ 12.09 hrs, Volume= 0.182 af, Atten= 0%, Lag= 0.0 min
Primary = 2.54 cfs @ 12.09 hrs, Volume= 0.182 af
Routed to Pond 207P : DMH 48

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.32' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.10'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.10' / 59.90' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.48 cfs @ 12.09 hrs HW=61.29' (Free Discharge)
1=Culvert (Inlet Controls 2.48 cfs @ 3.15 fps)

Pond 64P: DMH 47



Stage-Area-Storage for Pond 64P: DMH 47

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.10	**0.000**	60.63	0.000	61.16	0.000
60.11	0.000	60.64	0.000	61.17	0.000
60.12	0.000	60.65	0.000	61.18	0.000
60.13	0.000	60.66	0.000	61.19	0.000
60.14	0.000	60.67	0.000	61.20	0.000
60.15	0.000	60.68	0.000	61.21	0.000
60.16	0.000	60.69	0.000	61.22	0.000
60.17	0.000	60.70	0.000	61.23	0.000
60.18	0.000	60.71	0.000	61.24	0.000
60.19	0.000	60.72	0.000	61.25	0.000
60.20	0.000	60.73	0.000	61.26	0.000
60.21	0.000	60.74	0.000	61.27	0.000
60.22	0.000	60.75	0.000	61.28	0.000
60.23	0.000	60.76	0.000	61.29	0.000
60.24	0.000	60.77	0.000	61.30	0.000
60.25	0.000	60.78	0.000	61.31	0.000
60.26	0.000	60.79	0.000	61.32	0.000
60.27	0.000	60.80	0.000		
60.28	0.000	60.81	0.000		
60.29	0.000	60.82	0.000		
60.30	0.000	60.83	0.000		
60.31	0.000	60.84	0.000		
60.32	0.000	60.85	0.000		
60.33	0.000	60.86	0.000		
60.34	0.000	60.87	0.000		
60.35	0.000	60.88	0.000		
60.36	0.000	60.89	0.000		
60.37	0.000	60.90	0.000		
60.38	0.000	60.91	0.000		
60.39	0.000	60.92	0.000		
60.40	0.000	60.93	0.000		
60.41	0.000	60.94	0.000		
60.42	0.000	60.95	0.000		
60.43	0.000	60.96	0.000		
60.44	0.000	60.97	0.000		
60.45	0.000	60.98	0.000		
60.46	0.000	60.99	0.000		
60.47	0.000	61.00	0.000		
60.48	0.000	61.01	0.000		
60.49	0.000	61.02	0.000		
60.50	0.000	61.03	0.000		
60.51	0.000	61.04	0.000		
60.52	0.000	61.05	0.000		
60.53	0.000	61.06	0.000		
60.54	0.000	61.07	0.000		
60.55	0.000	61.08	0.000		
60.56	0.000	61.09	0.000		
60.57	0.000	61.10	0.000		
60.58	0.000	61.11	0.000		
60.59	0.000	61.12	0.000		
60.60	0.000	61.13	0.000		
60.61	0.000	61.14	0.000		
60.62	0.000	61.15	0.000		

Summary for Pond 65P: DMH 49

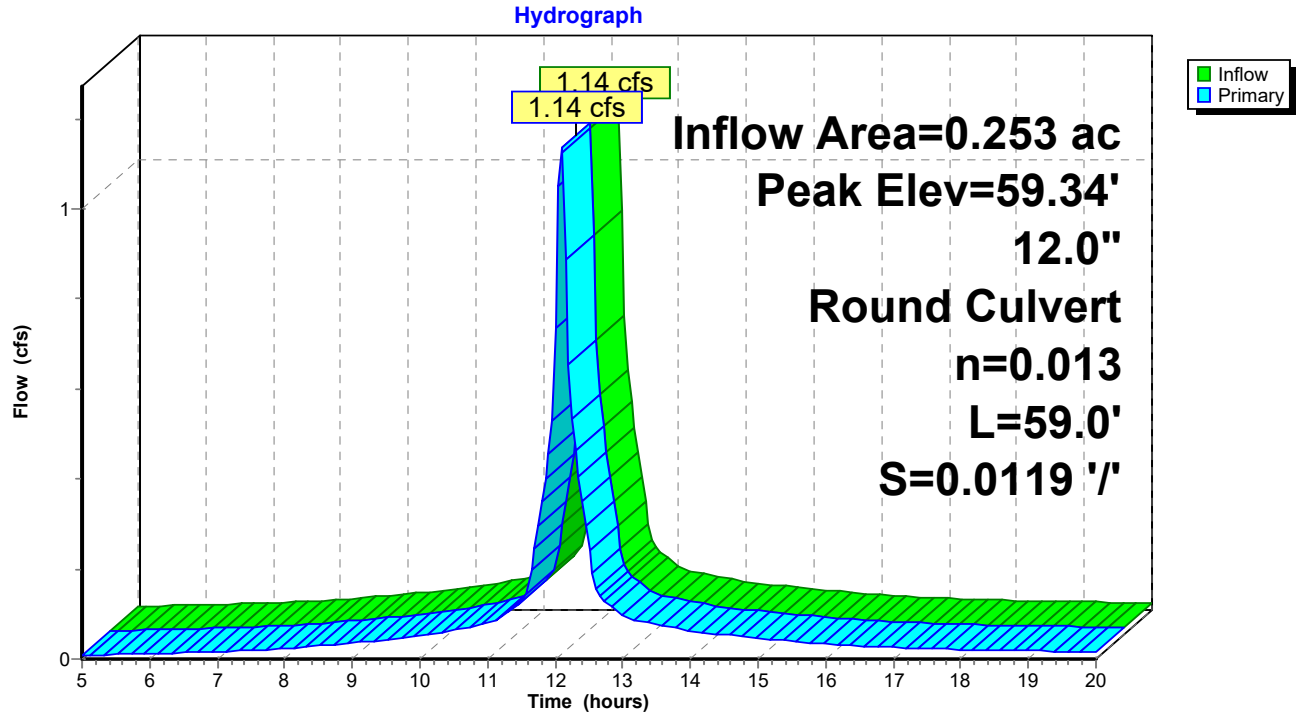
Inflow Area = 0.253 ac, 88.87% Impervious, Inflow Depth > 4.03" for 10-Year event
Inflow = 1.14 cfs @ 12.09 hrs, Volume= 0.085 af
Outflow = 1.14 cfs @ 12.09 hrs, Volume= 0.085 af, Atten= 0%, Lag= 0.0 min
Primary = 1.14 cfs @ 12.09 hrs, Volume= 0.085 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.34' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.70'	**12.0" Round Culvert** L= 59.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.70' / 58.00' S= 0.0119 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.11 cfs @ 12.09 hrs HW=59.33' (Free Discharge)
1=Culvert (Inlet Controls 1.11 cfs @ 2.13 fps)

Pond 65P: DMH 49



Stage-Area-Storage for Pond 65P: DMH 49

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.70	**0.000**	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000		
59.19	0.000		
59.20	0.000		
59.21	0.000		
59.22	0.000		

Summary for Pond 66P: CB 68

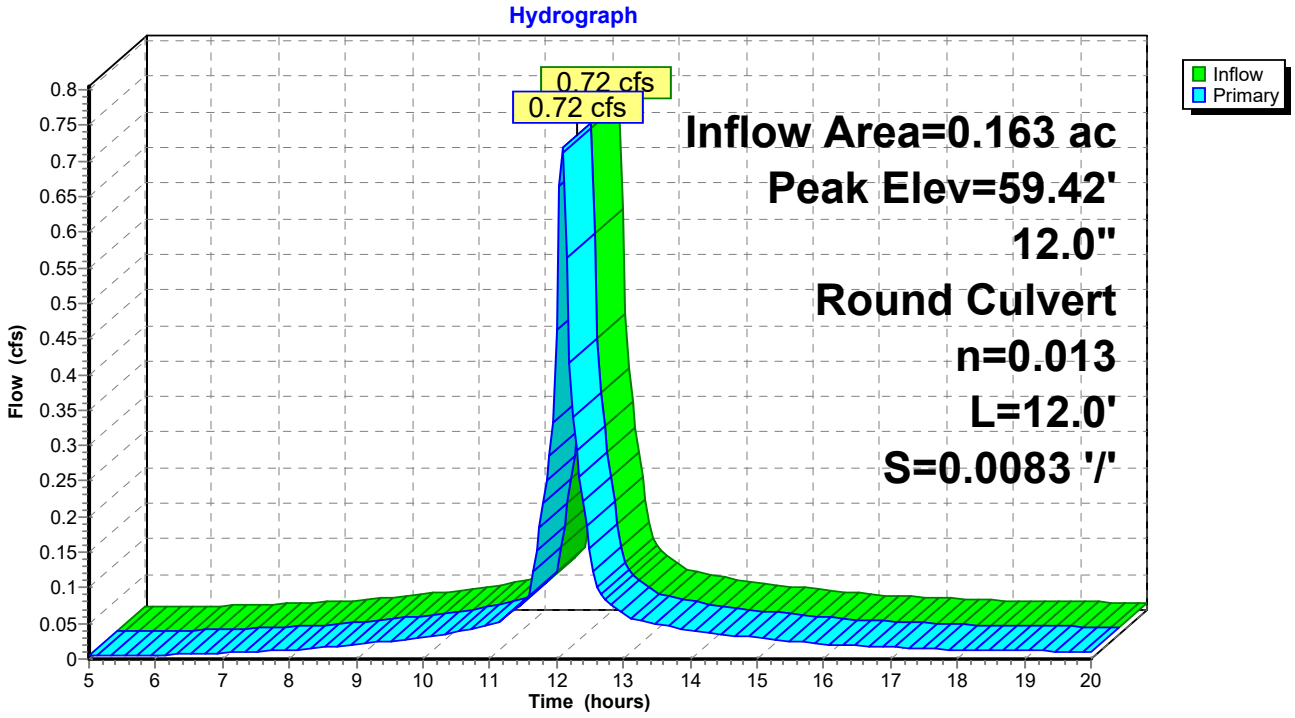
Inflow Area = 0.163 ac, 82.69% Impervious, Inflow Depth > 3.91" for 10-Year event
Inflow = 0.72 cfs @ 12.09 hrs, Volume= 0.053 af
Outflow = 0.72 cfs @ 12.09 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 12.09 hrs, Volume= 0.053 af
Routed to Pond 65P : DMH 49

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.42' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.90'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.90' / 58.80' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.70 cfs @ 12.09 hrs HW=59.42' (Free Discharge)
1=Culvert (Barrel Controls 0.70 cfs @ 2.49 fps)

Pond 66P: CB 68



Stage-Area-Storage for Pond 66P: CB 68

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.90	**0.000**	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000	59.71	0.000
59.19	0.000	59.72	0.000
59.20	0.000	59.73	0.000
59.21	0.000	59.74	0.000
59.22	0.000	59.75	0.000
59.23	0.000	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000		
59.39	0.000		
59.40	0.000		
59.41	0.000		
59.42	0.000		

Summary for Pond 67P: CB 69

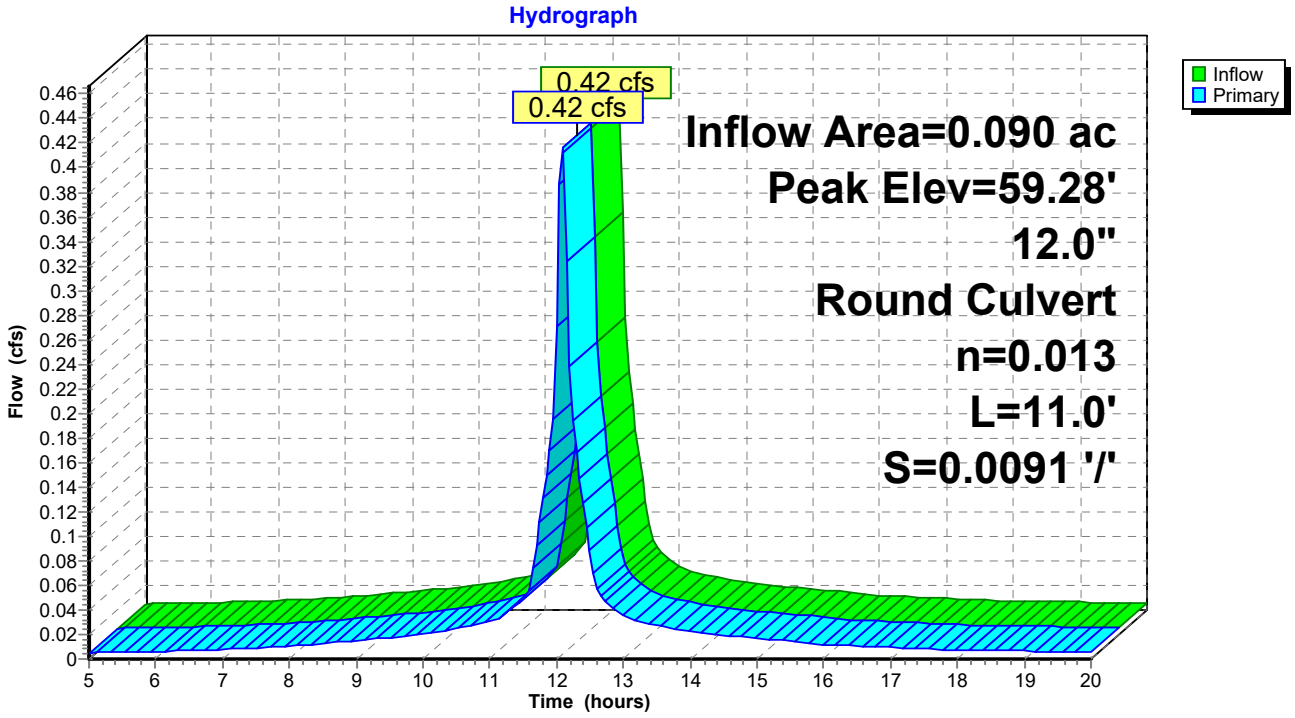
Inflow Area = 0.090 ac,100.00% Impervious, Inflow Depth > 4.26" for 10-Year event
Inflow = 0.42 cfs @ 12.09 hrs, Volume= 0.032 af
Outflow = 0.42 cfs @ 12.09 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.42 cfs @ 12.09 hrs, Volume= 0.032 af
Routed to Pond 65P : DMH 49

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.28' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.90'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.90' / 58.80' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=59.28' (Free Discharge)
1=Culvert (Barrel Controls 0.40 cfs @ 2.23 fps)

Pond 67P: CB 69



Stage-Area-Storage for Pond 67P: CB 69

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.90	**0.000**	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000	59.71	0.000
59.19	0.000	59.72	0.000
59.20	0.000	59.73	0.000
59.21	0.000	59.74	0.000
59.22	0.000	59.75	0.000
59.23	0.000	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000		
59.39	0.000		
59.40	0.000		
59.41	0.000		
59.42	0.000		

Summary for Pond 68P: Sub. Inf. 5

Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 3.58" for 10-Year event
Inflow = 2.54 cfs @ 12.09 hrs, Volume= 0.182 af
Outflow = 2.51 cfs @ 12.11 hrs, Volume= 0.147 af, Atten= 1%, Lag= 1.3 min
Discarded = 0.07 cfs @ 12.11 hrs, Volume= 0.061 af
Primary = 2.44 cfs @ 12.11 hrs, Volume= 0.086 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.13' @ 12.11 hrs Surf.Area= 0.042 ac Storage= 0.045 af

Plug-Flow detention time= 84.6 min calculated for 0.147 af (81% of inflow)
Center-of-Mass det. time= 33.7 min (792.9 - 759.2)

Volume	Invert	Avail.Storage	Storage Description
#1A	59.30'	0.030 af	**24.83'W x 74.40'L x 2.33'H Field A** 0.099 af Overall - 0.024 af Embedded = 0.075 af x 40.0% Voids
#2A	59.80'	0.024 af	**ADS_StormTech SC-310 +Cap** x 70 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 70 Chambers in 7 Rows
		0.054 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	59.30'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 56.00'
#2	Primary	59.30'	**12.0" Round Culvert** L= 71.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.30' / 57.00' S= 0.0324 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	60.80'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.07 cfs @ 12.11 hrs HW=61.12' (Free Discharge)
└**1=Exfiltration** (Controls 0.07 cfs)

Primary OutFlow Max=2.37 cfs @ 12.11 hrs HW=61.12' (Free Discharge)
└**2=Culvert** (Passes 2.37 cfs of 3.43 cfs potential flow)
└**3=Sharp-Crested Vee/Trap Weir** (Weir Controls 2.37 cfs @ 1.85 fps)

Pond 68P: Sub. Inf. 5 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-310 +Cap (ADS StormTech® SC-310 with cap length)
Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf
Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap

34.0" Wide + 6.0" Spacing = 40.0" C-C Row Spacing

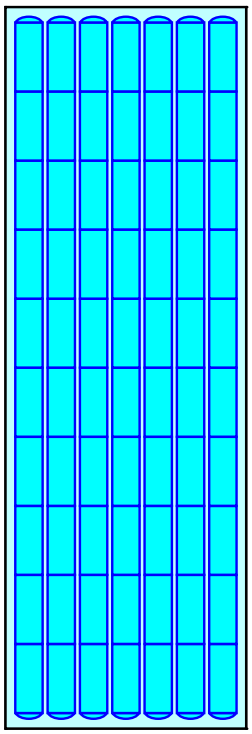
10 Chambers/Row x 7.12' Long +0.60' Cap Length x 2 = 72.40' Row Length +12.0" End Stone x 2 = 74.40' Base Length
7 Rows x 34.0" Wide + 6.0" Spacing x 6 + 12.0" Side Stone x 2 = 24.83' Base Width
6.0" Stone Base + 16.0" Chamber Height + 6.0" Stone Cover = 2.33' Field Height

70 Chambers x 14.7 cf = 1,031.9 cf Chamber Storage

4,311.1 cf Field - 1,031.9 cf Chambers = 3,279.1 cf Stone x 40.0% Voids = 1,311.7 cf Stone Storage

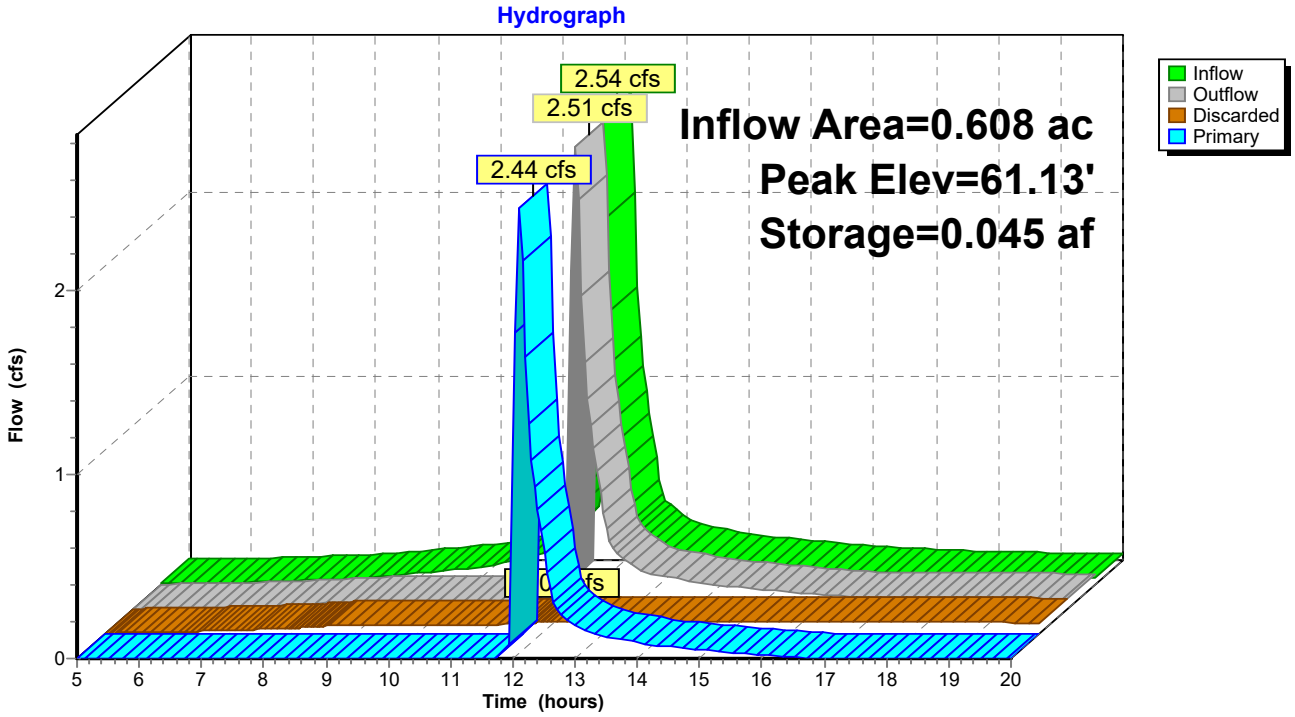
Chamber Storage + Stone Storage = 2,343.6 cf = 0.054 af
Overall Storage Efficiency = 54.4%
Overall System Size = 74.40' x 24.83' x 2.33'

70 Chambers
159.7 cy Field
121.4 cy Stone





Pond 68P: Sub. Inf. 5



Stage-Area-Storage for Pond 68P: Sub. Inf. 5

Elevation (feet)	Surface (acres)	Storage (acre-feet)
59.30	**0.042**	0.000
59.35	0.042	0.001
59.40	0.042	0.002
59.45	0.042	0.003
59.50	0.042	0.003
59.55	0.042	0.004
59.60	0.042	0.005
59.65	0.042	0.006
59.70	0.042	0.007
59.75	0.042	0.008
59.80	0.042	0.008
59.85	0.042	0.010
59.90	0.042	0.012
59.95	0.042	0.013
60.00	0.042	0.015
60.05	0.042	0.017
60.10	0.042	0.018
60.15	0.042	0.020
60.20	0.042	0.022
60.25	0.042	0.023
60.30	0.042	0.025
60.35	0.042	0.026
60.40	0.042	0.028
60.45	0.042	0.029
60.50	0.042	0.031
60.55	0.042	0.032
60.60	0.042	0.033
60.65	0.042	0.035
60.70	0.042	0.036
60.75	0.042	0.037
60.80	0.042	0.039
60.85	0.042	0.040
60.90	0.042	0.041
60.95	0.042	0.042
61.00	0.042	0.043
61.05	0.042	0.044
61.10	0.042	0.045
61.15	0.042	0.046
61.20	0.042	0.046
61.25	0.042	0.047
61.30	0.042	0.048
61.35	0.042	0.049
61.40	0.042	0.050
61.45	0.042	0.051
61.50	0.042	0.052
61.55	0.042	0.052
61.60	0.042	**0.053**

Summary for Pond 69P: CB 72

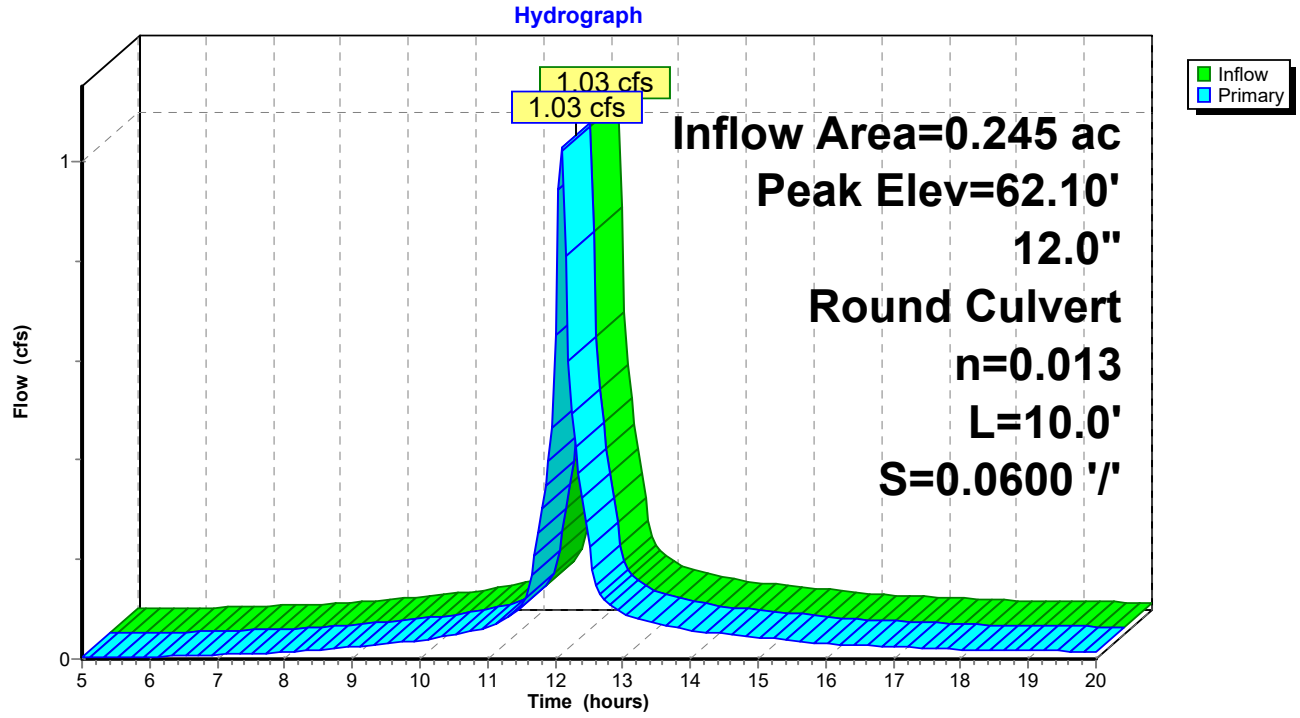
Inflow Area = 0.245 ac, 72.86% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 1.03 cfs @ 12.09 hrs, Volume= 0.074 af
Outflow = 1.03 cfs @ 12.09 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
Primary = 1.03 cfs @ 12.09 hrs, Volume= 0.074 af
Routed to Pond 71P : DMH 54

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.10' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.50' / 60.90' S= 0.0600 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=62.09' (Free Discharge)
1=Culvert (Inlet Controls 1.00 cfs @ 2.07 fps)

Pond 69P: CB 72



Stage-Area-Storage for Pond 69P: CB 72

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.50	**0.000**	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000		
61.99	0.000		
62.00	0.000		
62.01	0.000		
62.02	0.000		

Summary for Pond 70P: CB 73

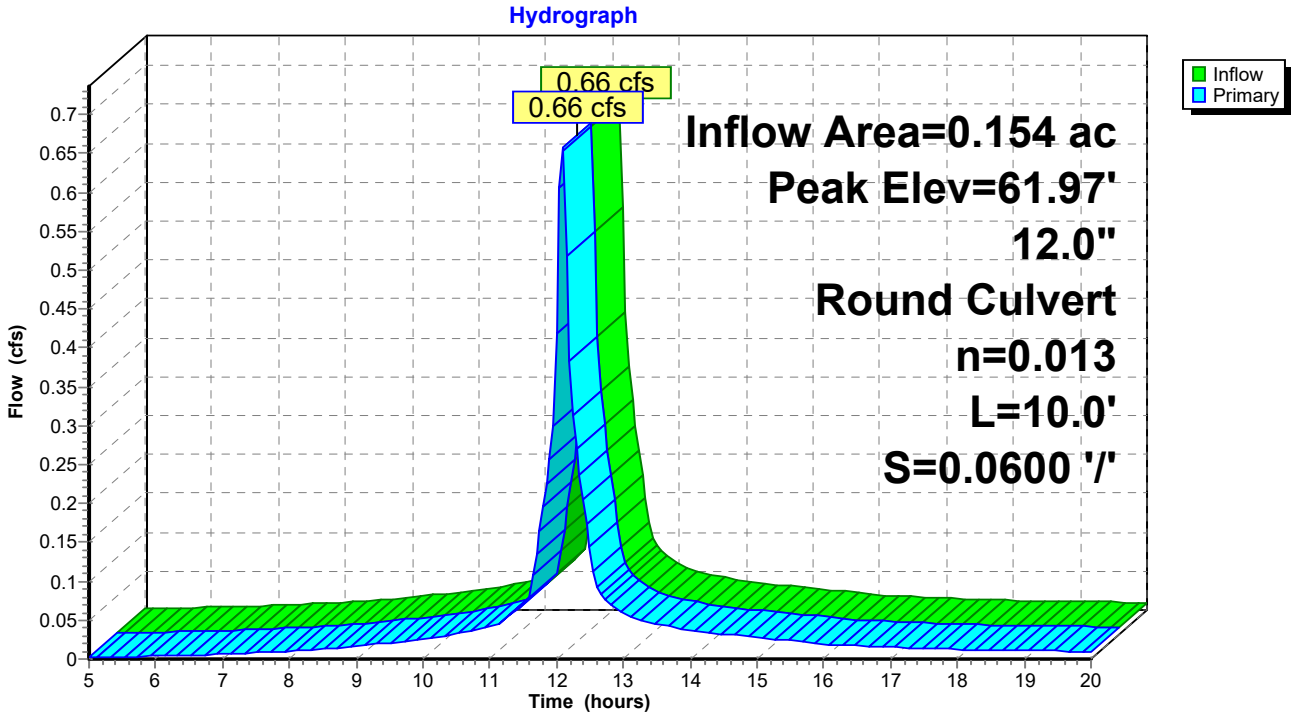
Inflow Area = 0.154 ac, 76.98% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 0.66 cfs @ 12.09 hrs, Volume= 0.048 af
Outflow = 0.66 cfs @ 12.09 hrs, Volume= 0.048 af, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.09 hrs, Volume= 0.048 af
Routed to Pond 71P : DMH 54

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.50' / 60.90' S= 0.0600 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.64 cfs @ 12.09 hrs HW=61.96' (Free Discharge)
1=Culvert (Inlet Controls 0.64 cfs @ 1.82 fps)

Pond 70P: CB 73



Stage-Area-Storage for Pond 70P: CB 73

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.50	**0.000**	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000		
61.99	0.000		
62.00	0.000		
62.01	0.000		
62.02	0.000		

Summary for Pond 71P: DMH 54

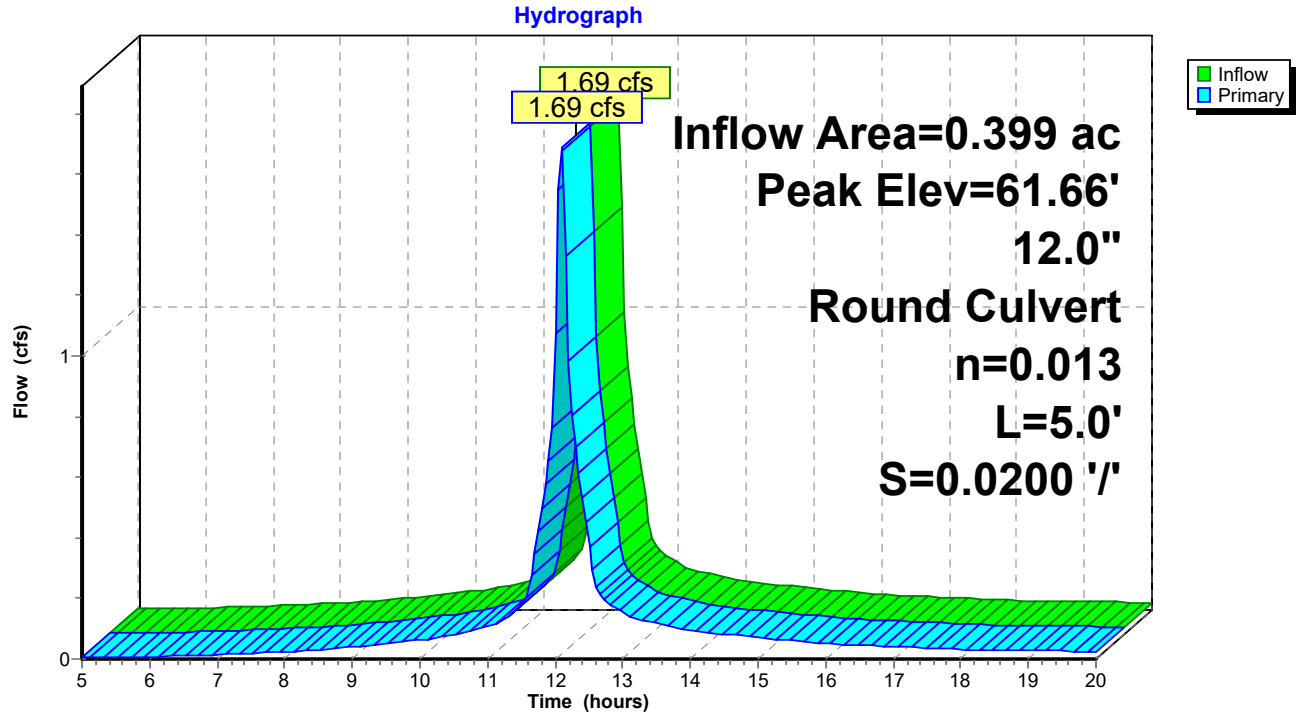
Inflow Area = 0.399 ac, 74.45% Impervious, Inflow Depth > 3.65" for 10-Year event
Inflow = 1.69 cfs @ 12.09 hrs, Volume= 0.121 af
Outflow = 1.69 cfs @ 12.09 hrs, Volume= 0.121 af, Atten= 0%, Lag= 0.0 min
Primary = 1.69 cfs @ 12.09 hrs, Volume= 0.121 af
Routed to Pond 72P : Sub. Inf. 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 60.70' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.64 cfs @ 12.09 hrs HW=61.64' (Free Discharge)
1=Culvert (Barrel Controls 1.64 cfs @ 3.14 fps)

Pond 71P: DMH 54



Stage-Area-Storage for Pond 71P: DMH 54

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000		
61.29	0.000		
61.30	0.000		
61.31	0.000		
61.32	0.000		

Summary for Pond 72P: Sub. Inf. 7

Inflow Area = 0.399 ac, 74.45% Impervious, Inflow Depth > 3.65" for 10-Year event
Inflow = 1.69 cfs @ 12.09 hrs, Volume= 0.121 af
Outflow = 1.19 cfs @ 12.17 hrs, Volume= 0.101 af, Atten= 29%, Lag= 5.2 min
Discarded = 0.07 cfs @ 12.17 hrs, Volume= 0.053 af
Primary = 1.12 cfs @ 12.17 hrs, Volume= 0.048 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.10' @ 12.17 hrs Surf.Area= 0.034 ac Storage= 0.037 af

Plug-Flow detention time= 95.6 min calculated for 0.101 af (83% of inflow)
Center-of-Mass det. time= 47.9 min (805.3 - 757.4)

Volume	Invert	Avail.Storage	Storage Description
#1A	60.20'	0.024 af	**38.17'W x 38.80'L x 2.33'H Field A** 0.079 af Overall - 0.019 af Embedded = 0.061 af x 40.0% Voids
#2A	60.70'	0.019 af	**ADS_StormTech SC-310 +Cap** x 55 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 55 Chambers in 11 Rows
		0.043 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	60.20'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 58.10'
#2	Primary	60.20'	**12.0" Round Culvert** L= 32.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.20' / 57.00' S= 0.1000 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	61.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	62.20'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.07 cfs @ 12.17 hrs HW=62.08' (Free Discharge)
└**1=Exfiltration** (Controls 0.07 cfs)

Primary OutFlow Max=1.09 cfs @ 12.17 hrs HW=62.08' (Free Discharge)
└**2=Culvert** (Passes 1.09 cfs of 3.51 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 1.09 cfs @ 2.78 fps)
  └**4=Sharp-Crested Vee/Trap Weir** (Controls 0.00 cfs)

Pond 72P: Sub. Inf. 7 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-310 +Cap (ADS StormTech® SC-310 with cap length)
Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf
Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap

34.0" Wide + 6.0" Spacing = 40.0" C-C Row Spacing

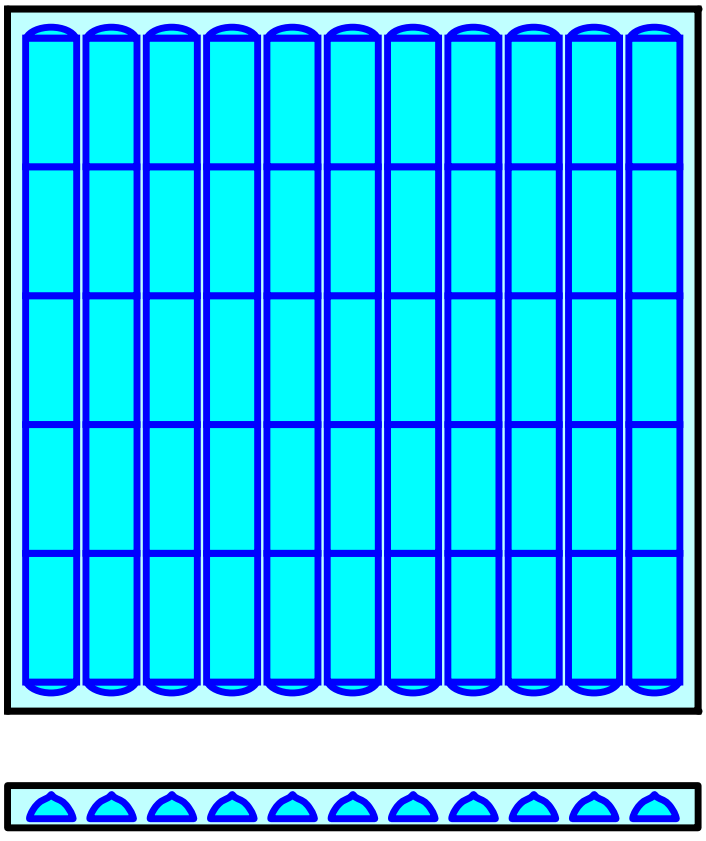
5 Chambers/Row x 7.12' Long +0.60' Cap Length x 2 = 36.80' Row Length +12.0" End Stone x 2 = 38.80' Base Length
11 Rows x 34.0" Wide + 6.0" Spacing x 10 + 12.0" Side Stone x 2 = 38.17' Base Width
6.0" Stone Base + 16.0" Chamber Height + 6.0" Stone Cover = 2.33' Field Height

55 Chambers x 14.7 cf = 810.8 cf Chamber Storage

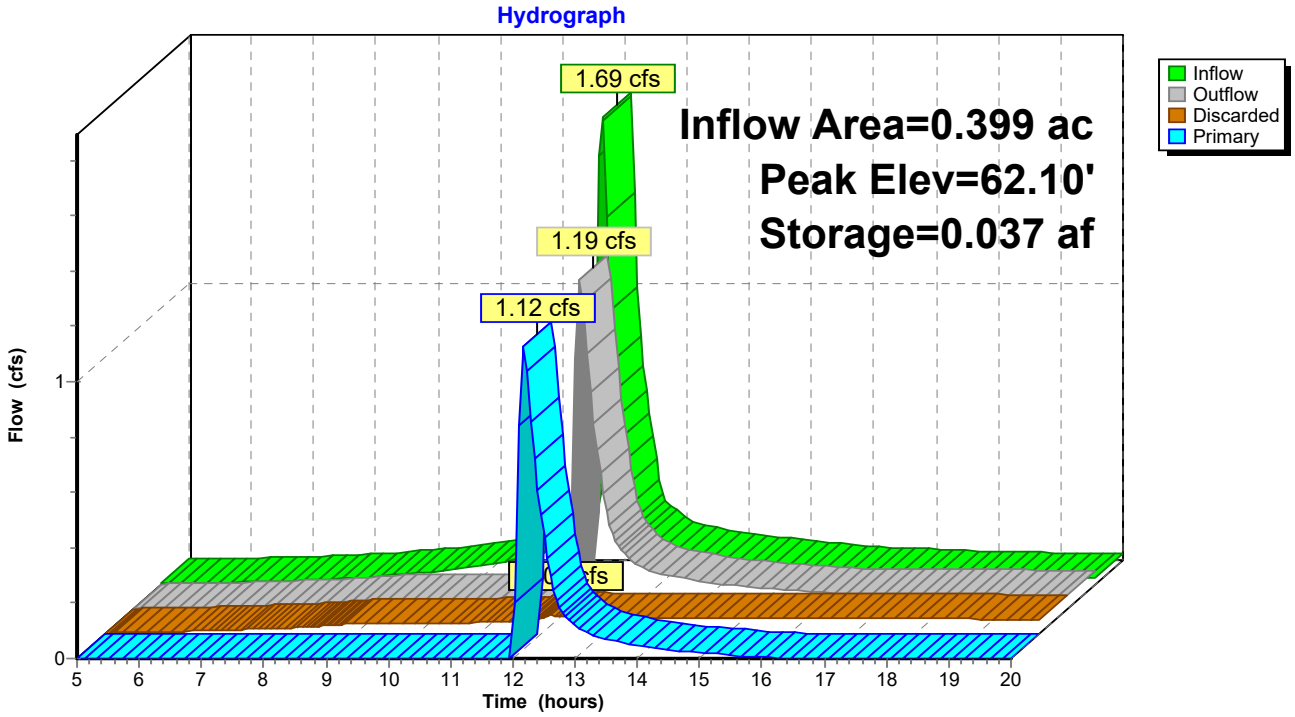
3,455.4 cf Field - 810.8 cf Chambers = 2,644.5 cf Stone x 40.0% Voids = 1,057.8 cf Stone Storage

Chamber Storage + Stone Storage = 1,868.6 cf = 0.043 af
Overall Storage Efficiency = 54.1%
Overall System Size = 38.80' x 38.17' x 2.33'

55 Chambers
128.0 cy Field
97.9 cy Stone



Pond 72P: Sub. Inf. 7



Stage-Area-Storage for Pond 72P: Sub. Inf. 7

Elevation (feet)	Surface (acres)	Storage (acre-feet)
60.20	**0.034**	0.000
60.25	0.034	0.001
60.30	0.034	0.001
60.35	0.034	0.002
60.40	0.034	0.003
60.45	0.034	0.003
60.50	0.034	0.004
60.55	0.034	0.005
60.60	0.034	0.005
60.65	0.034	0.006
60.70	0.034	0.007
60.75	0.034	0.008
60.80	0.034	0.009
60.85	0.034	0.011
60.90	0.034	0.012
60.95	0.034	0.013
61.00	0.034	0.015
61.05	0.034	0.016
61.10	0.034	0.017
61.15	0.034	0.018
61.20	0.034	0.020
61.25	0.034	0.021
61.30	0.034	0.022
61.35	0.034	0.023
61.40	0.034	0.024
61.45	0.034	0.026
61.50	0.034	0.027
61.55	0.034	0.028
61.60	0.034	0.029
61.65	0.034	0.030
61.70	0.034	0.031
61.75	0.034	0.032
61.80	0.034	0.033
61.85	0.034	0.033
61.90	0.034	0.034
61.95	0.034	0.035
62.00	0.034	0.036
62.05	0.034	0.036
62.10	0.034	0.037
62.15	0.034	0.038
62.20	0.034	0.038
62.25	0.034	0.039
62.30	0.034	0.040
62.35	0.034	0.040
62.40	0.034	0.041
62.45	0.034	0.042
62.50	0.034	**0.042**

Summary for Pond 73P: CB 64

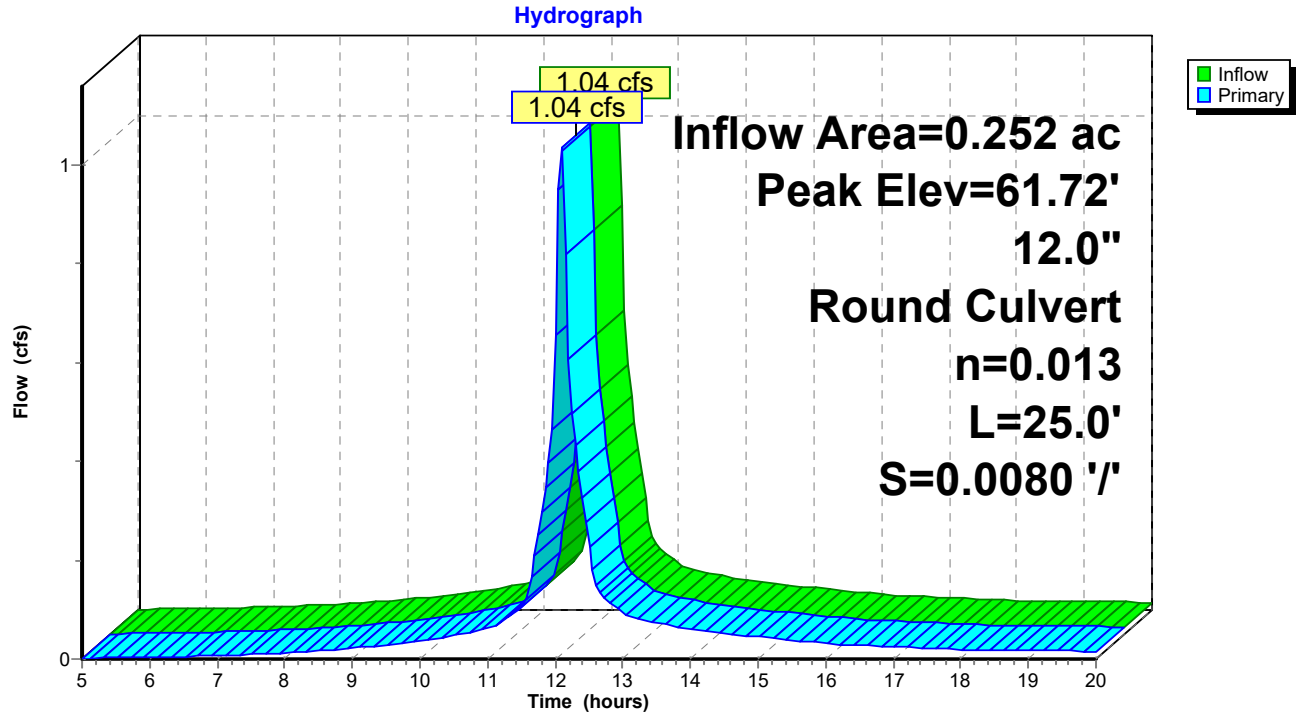
Inflow Area = 0.252 ac, 65.83% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 0.074 af
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 0.074 af
Routed to Pond 75P : DMH 46

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.72' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.10'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.10' / 60.90' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.01 cfs @ 12.09 hrs HW=61.71' (Free Discharge)
1=Culvert (Barrel Controls 1.01 cfs @ 2.88 fps)

Pond 73P: CB 64



Stage-Area-Storage for Pond 73P: CB 64

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.10	**0.000**	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000		
61.59	0.000		
61.60	0.000		
61.61	0.000		
61.62	0.000		

Summary for Pond 74P: CB 65

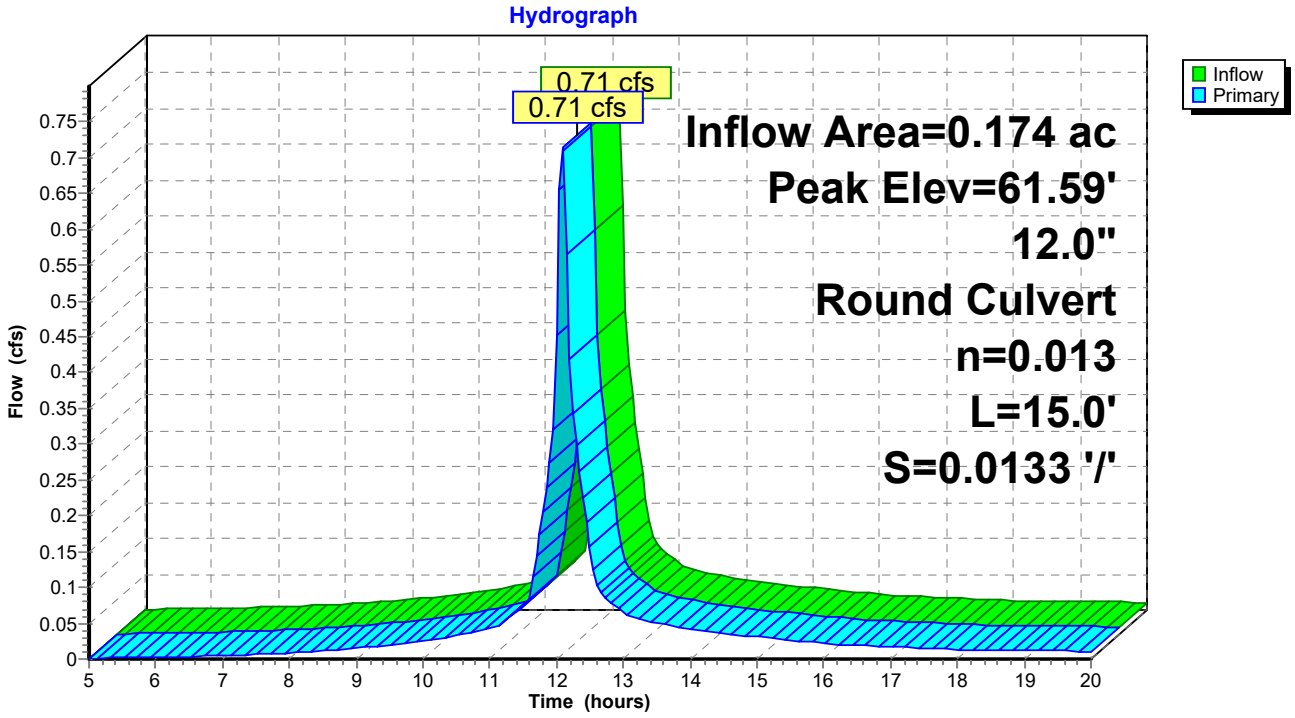
Inflow Area = 0.174 ac, 65.05% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af
Outflow = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af
Routed to Pond 75P : DMH 46

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.59' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.10'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.10' / 60.90' S= 0.0133 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.70 cfs @ 12.09 hrs HW=61.58' (Free Discharge)
1=Culvert (Inlet Controls 0.70 cfs @ 1.86 fps)

Pond 74P: CB 65



Stage-Area-Storage for Pond 74P: CB 65

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.10	**0.000**	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000		
61.59	0.000		
61.60	0.000		
61.61	0.000		
61.62	0.000		

Summary for Pond 75P: DMH 46

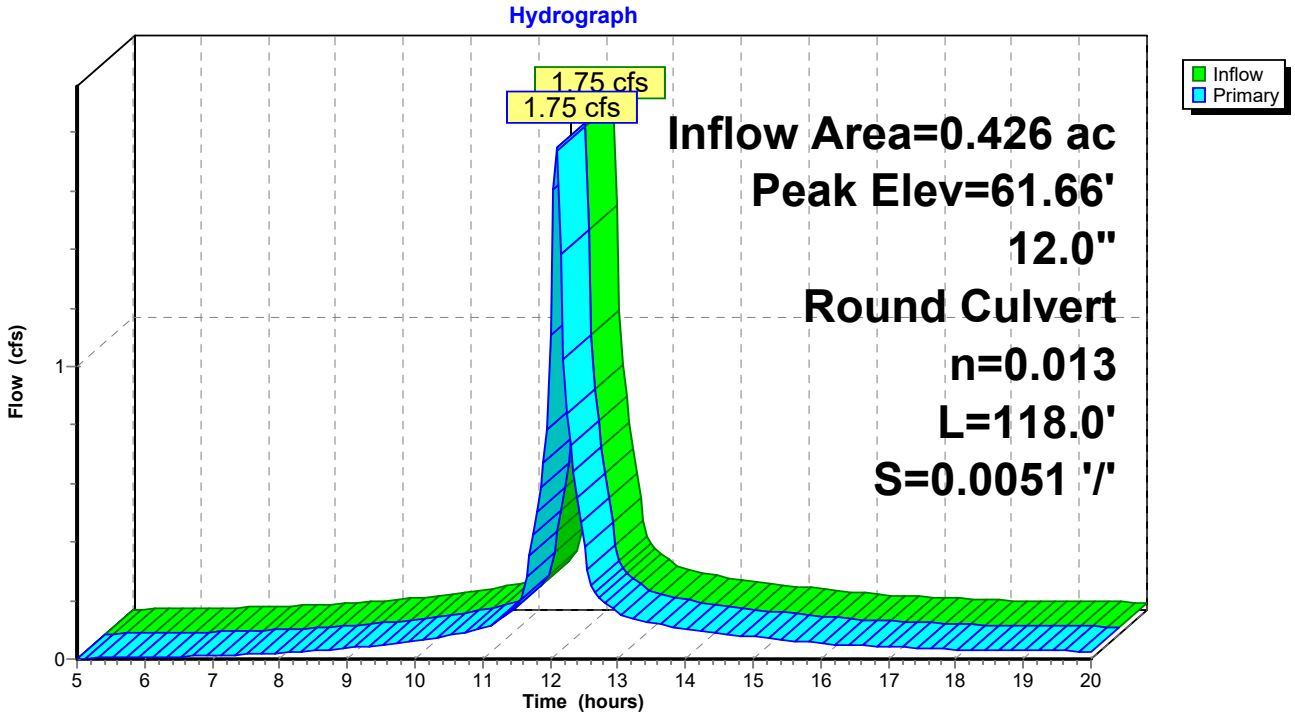
Inflow Area = 0.426 ac, 65.51% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 1.75 cfs @ 12.09 hrs, Volume= 0.124 af
Outflow = 1.75 cfs @ 12.09 hrs, Volume= 0.124 af, Atten= 0%, Lag= 0.0 min
Primary = 1.75 cfs @ 12.09 hrs, Volume= 0.124 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**12.0" Round Culvert** L= 118.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 60.20' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.71 cfs @ 12.09 hrs HW=61.65' (Free Discharge)
1=Culvert (Barrel Controls 1.71 cfs @ 3.23 fps)

Pond 75P: DMH 46



Stage-Area-Storage for Pond 75P: DMH 46

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000		
61.29	0.000		
61.30	0.000		
61.31	0.000		
61.32	0.000		

Summary for Pond 76P: CB 70

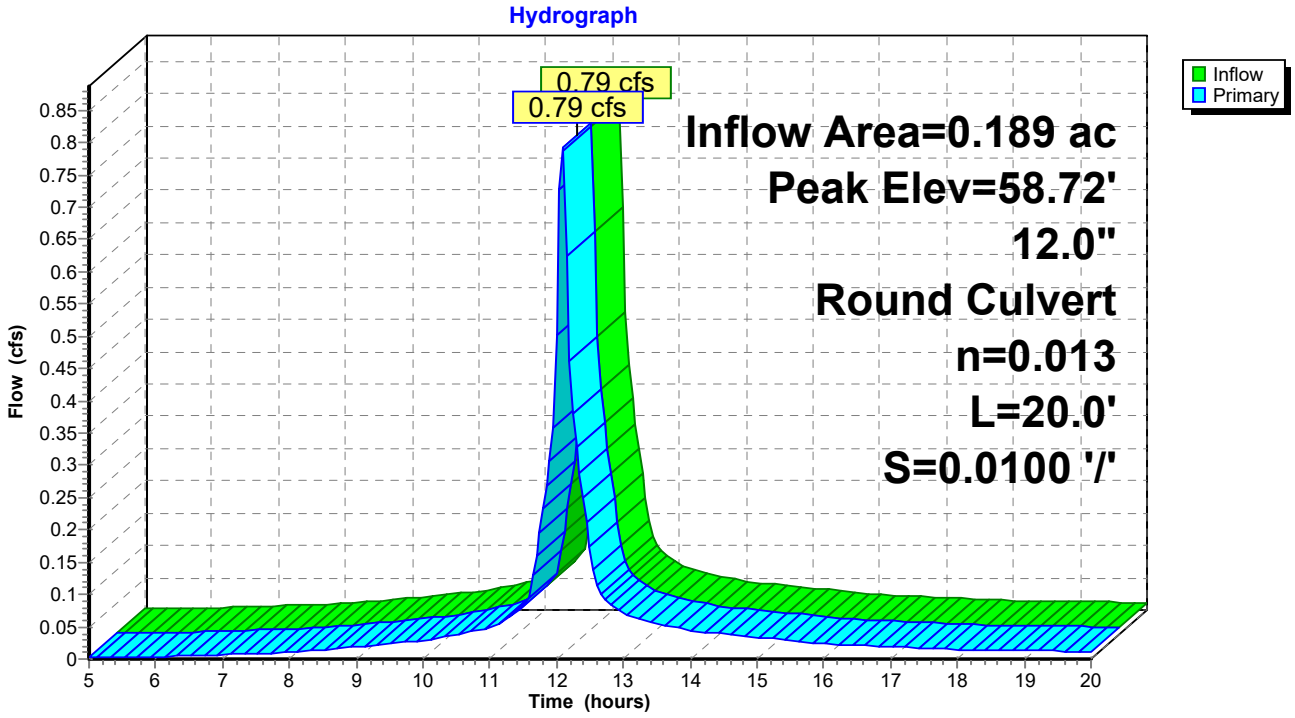
Inflow Area = 0.189 ac, 71.07% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 0.79 cfs @ 12.09 hrs, Volume= 0.057 af
Outflow = 0.79 cfs @ 12.09 hrs, Volume= 0.057 af, Atten= 0%, Lag= 0.0 min
Primary = 0.79 cfs @ 12.09 hrs, Volume= 0.057 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.72' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 58.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.77 cfs @ 12.09 hrs HW=58.71' (Free Discharge)
1=Culvert (Barrel Controls 0.77 cfs @ 2.79 fps)

Pond 76P: CB 70



Stage-Area-Storage for Pond 76P: CB 70

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000		
58.69	0.000		
58.70	0.000		
58.71	0.000		
58.72	0.000		

Summary for Pond 77P: CB 71

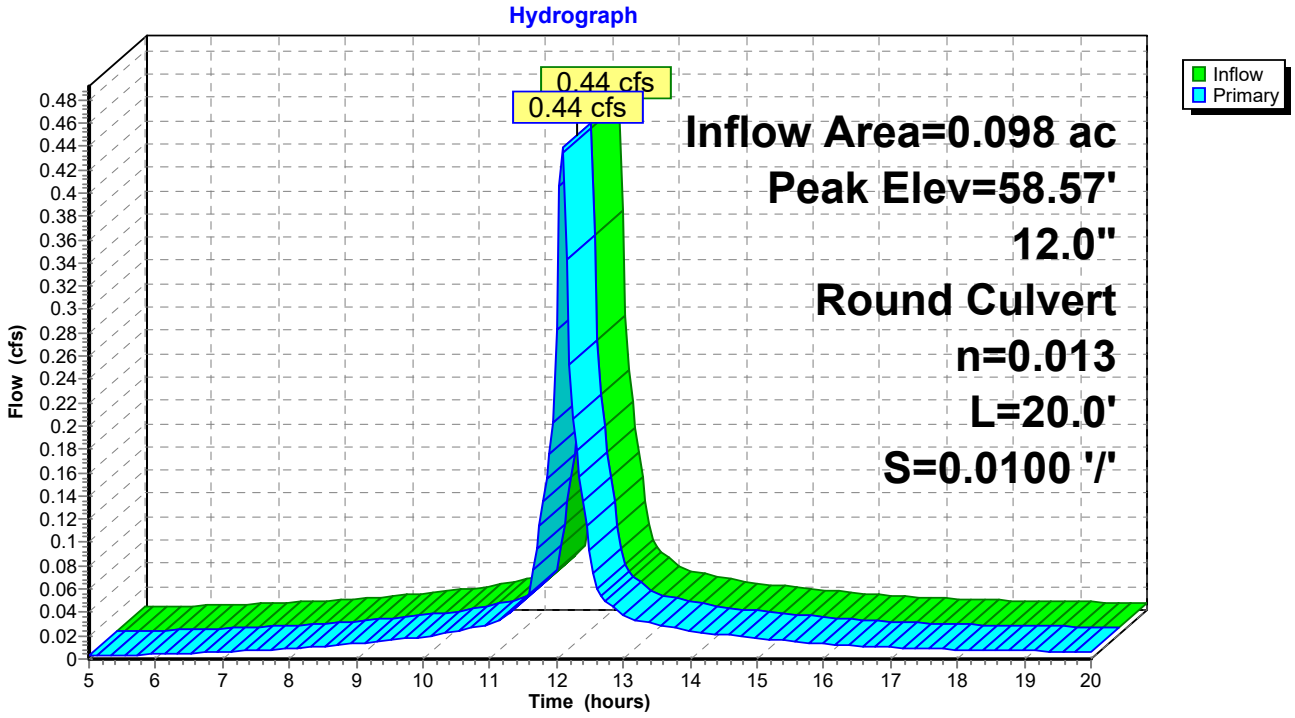
Inflow Area = 0.098 ac, 95.31% Impervious, Inflow Depth > 4.00" for 10-Year event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.57' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 58.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=58.57' (Free Discharge)
1=Culvert (Inlet Controls 0.43 cfs @ 1.63 fps)

Pond 77P: CB 71



Stage-Area-Storage for Pond 77P: CB 71

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000		
58.69	0.000		
58.70	0.000		
58.71	0.000		
58.72	0.000		

Summary for Pond 78P: DMH 50

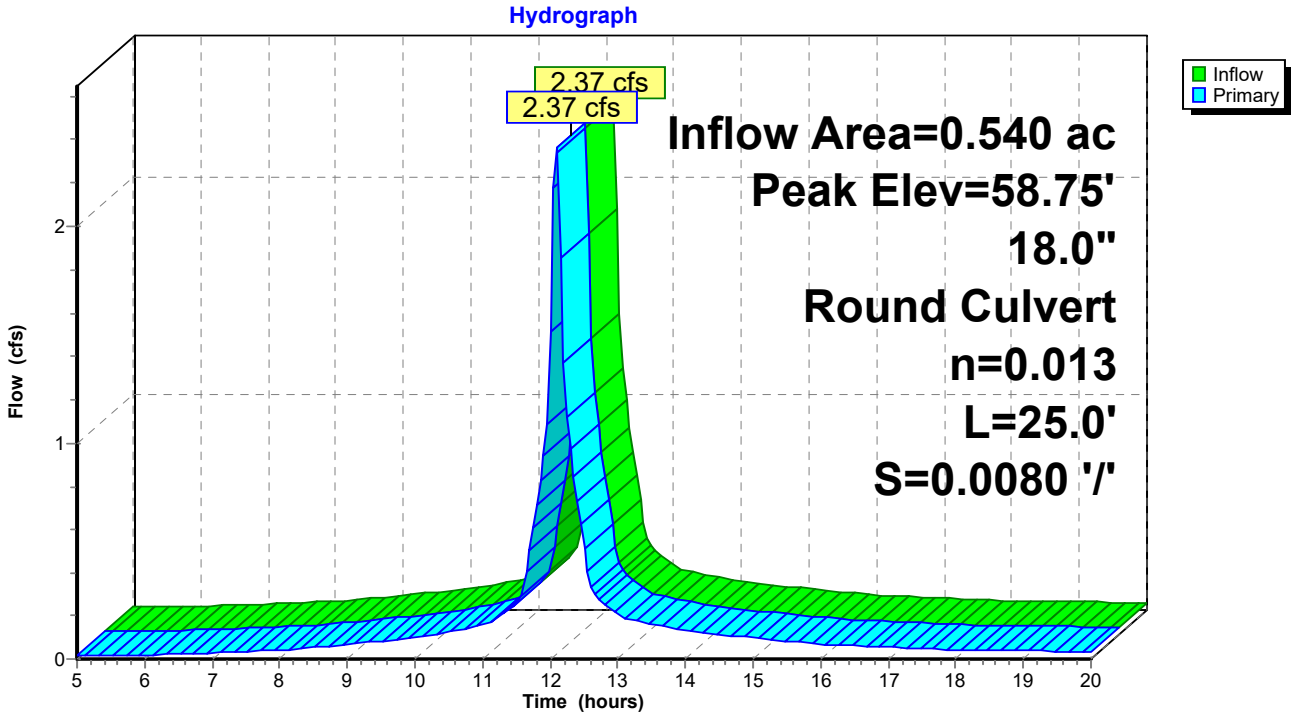
Inflow Area = 0.540 ac, 83.81% Impervious, Inflow Depth > 3.88" for 10-Year event
Inflow = 2.37 cfs @ 12.09 hrs, Volume= 0.174 af
Outflow = 2.37 cfs @ 12.09 hrs, Volume= 0.174 af, Atten= 0%, Lag= 0.0 min
Primary = 2.37 cfs @ 12.09 hrs, Volume= 0.174 af
Routed to Pond 79P : DMH 51

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.75' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.90'	**18.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.90' / 57.70' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.30 cfs @ 12.09 hrs HW=58.74' (Free Discharge)
1=Culvert (Barrel Controls 2.30 cfs @ 3.29 fps)

Pond 78P: DMH 50



Stage-Area-Storage for Pond 78P: DMH 50

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.90	**0.000**	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000	59.11	0.000
58.06	0.000	58.59	0.000	59.12	0.000
58.07	0.000	58.60	0.000	59.13	0.000
58.08	0.000	58.61	0.000	59.14	0.000
58.09	0.000	58.62	0.000	59.15	0.000
58.10	0.000	58.63	0.000	59.16	0.000
58.11	0.000	58.64	0.000	59.17	0.000
58.12	0.000	58.65	0.000	59.18	0.000
58.13	0.000	58.66	0.000	59.19	0.000
58.14	0.000	58.67	0.000	59.20	0.000
58.15	0.000	58.68	0.000	59.21	0.000
58.16	0.000	58.69	0.000	59.22	0.000
58.17	0.000	58.70	0.000	59.23	0.000
58.18	0.000	58.71	0.000	59.24	0.000
58.19	0.000	58.72	0.000	59.25	0.000
58.20	0.000	58.73	0.000	59.26	0.000
58.21	0.000	58.74	0.000	59.27	0.000
58.22	0.000	58.75	0.000	59.28	0.000
58.23	0.000	58.76	0.000	59.29	0.000
58.24	0.000	58.77	0.000	59.30	0.000
58.25	0.000	58.78	0.000	59.31	0.000
58.26	0.000	58.79	0.000	59.32	0.000
58.27	0.000	58.80	0.000	59.33	0.000
58.28	0.000	58.81	0.000	59.34	0.000
58.29	0.000	58.82	0.000	59.35	0.000
58.30	0.000	58.83	0.000	59.36	0.000
58.31	0.000	58.84	0.000	59.37	0.000
58.32	0.000	58.85	0.000	59.38	0.000
58.33	0.000	58.86	0.000	59.39	0.000
58.34	0.000	58.87	0.000	59.40	0.000
58.35	0.000	58.88	0.000		
58.36	0.000	58.89	0.000		
58.37	0.000	58.90	0.000		
58.38	0.000	58.91	0.000		
58.39	0.000	58.92	0.000		
58.40	0.000	58.93	0.000		
58.41	0.000	58.94	0.000		
58.42	0.000	58.95	0.000		

Summary for Pond 79P: DMH 51

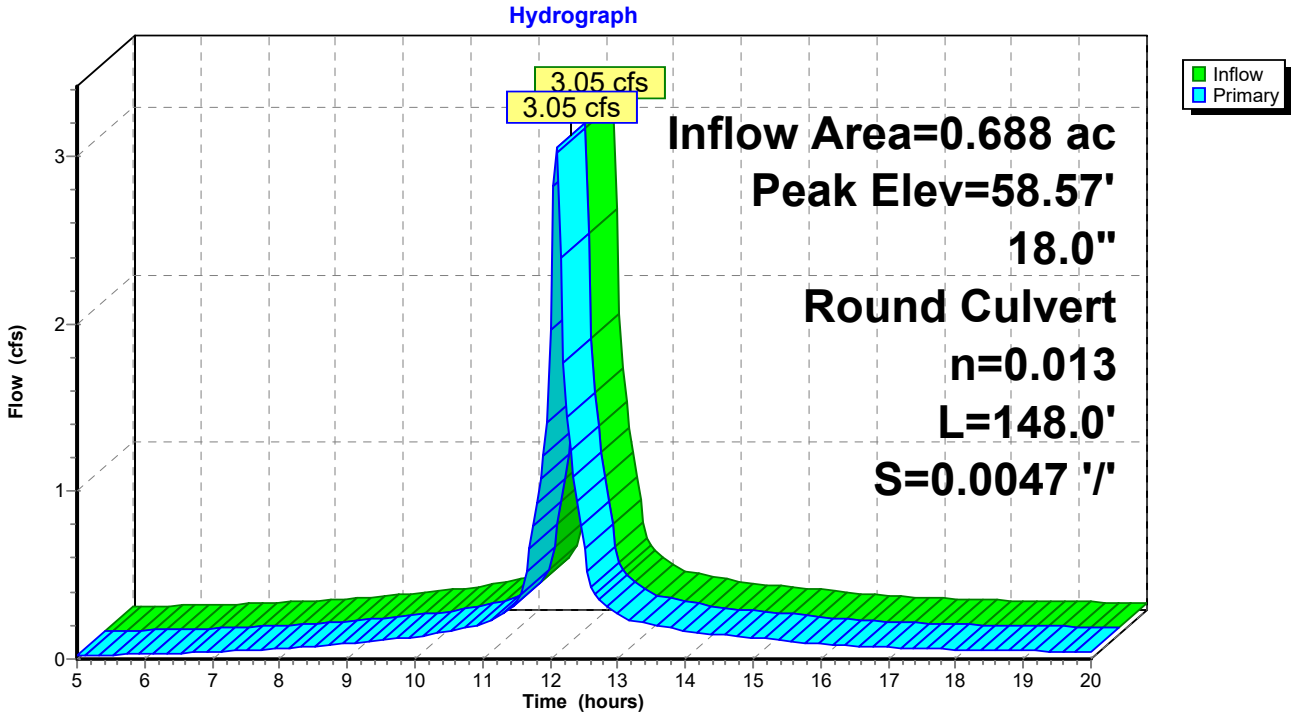
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 3.96" for 10-Year event
Inflow = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af
Outflow = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af, Atten= 0%, Lag= 0.0 min
Primary = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af
Routed to Pond 80P : DMH 52

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.57' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.60'	**18.0" Round Culvert** L= 148.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.60' / 56.91' S= 0.0047 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.97 cfs @ 12.09 hrs HW=58.56' (Free Discharge)
1=Culvert (Barrel Controls 2.97 cfs @ 3.56 fps)

Pond 79P: DMH 51



Stage-Area-Storage for Pond 79P: DMH 51

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.60	**0.000**	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000	58.90	0.000
57.85	0.000	58.38	0.000	58.91	0.000
57.86	0.000	58.39	0.000	58.92	0.000
57.87	0.000	58.40	0.000	58.93	0.000
57.88	0.000	58.41	0.000	58.94	0.000
57.89	0.000	58.42	0.000	58.95	0.000
57.90	0.000	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000		
58.06	0.000	58.59	0.000		
58.07	0.000	58.60	0.000		
58.08	0.000	58.61	0.000		
58.09	0.000	58.62	0.000		
58.10	0.000	58.63	0.000		
58.11	0.000	58.64	0.000		
58.12	0.000	58.65	0.000		

Summary for Pond 80P: DMH 52

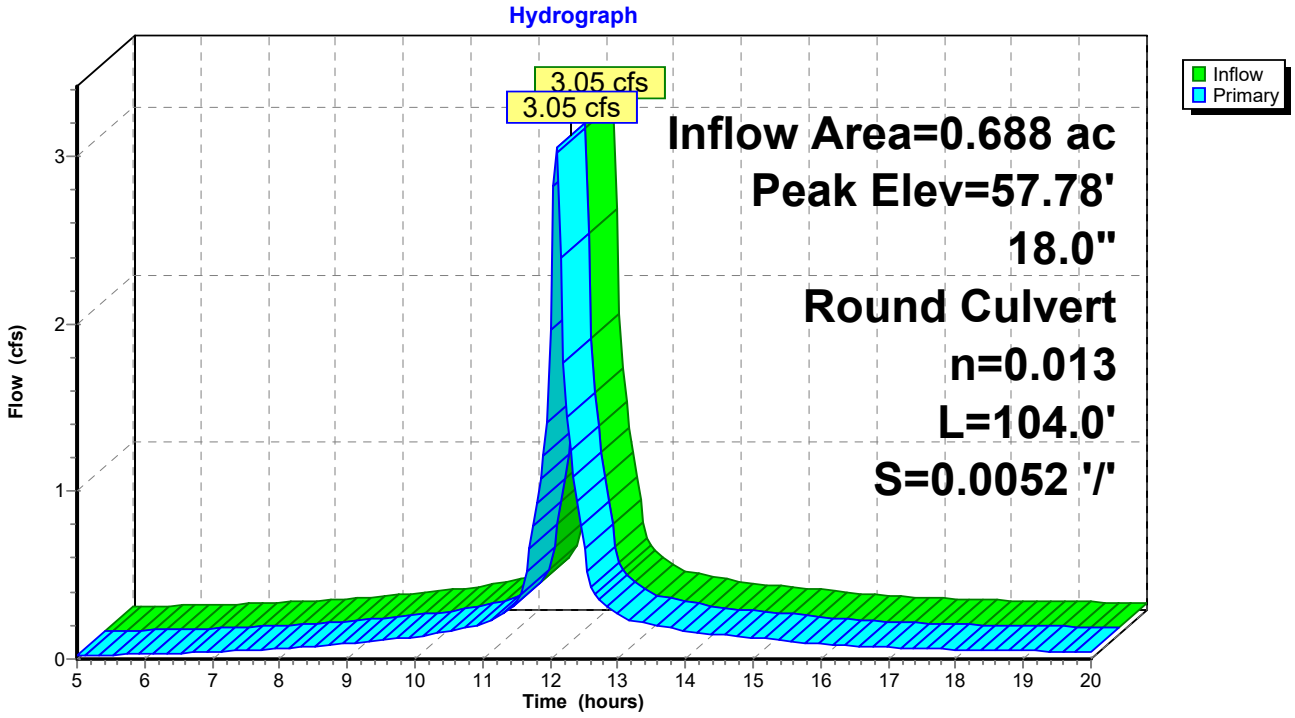
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 3.96" for 10-Year event
Inflow = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af
Outflow = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af, Atten= 0%, Lag= 0.0 min
Primary = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af
Routed to Pond 81P : DMH 53

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.81'	**18.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.81' / 56.27' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.97 cfs @ 12.09 hrs HW=57.76' (Free Discharge)
1=Culvert (Barrel Controls 2.97 cfs @ 3.59 fps)

Pond 80P: DMH 52



Stage-Area-Storage for Pond 80P: DMH 52

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.81	**0.000**	57.34	0.000	57.87	0.000
56.82	0.000	57.35	0.000	57.88	0.000
56.83	0.000	57.36	0.000	57.89	0.000
56.84	0.000	57.37	0.000	57.90	0.000
56.85	0.000	57.38	0.000	57.91	0.000
56.86	0.000	57.39	0.000	57.92	0.000
56.87	0.000	57.40	0.000	57.93	0.000
56.88	0.000	57.41	0.000	57.94	0.000
56.89	0.000	57.42	0.000	57.95	0.000
56.90	0.000	57.43	0.000	57.96	0.000
56.91	0.000	57.44	0.000	57.97	0.000
56.92	0.000	57.45	0.000	57.98	0.000
56.93	0.000	57.46	0.000	57.99	0.000
56.94	0.000	57.47	0.000	58.00	0.000
56.95	0.000	57.48	0.000	58.01	0.000
56.96	0.000	57.49	0.000	58.02	0.000
56.97	0.000	57.50	0.000	58.03	0.000
56.98	0.000	57.51	0.000	58.04	0.000
56.99	0.000	57.52	0.000	58.05	0.000
57.00	0.000	57.53	0.000	58.06	0.000
57.01	0.000	57.54	0.000	58.07	0.000
57.02	0.000	57.55	0.000	58.08	0.000
57.03	0.000	57.56	0.000	58.09	0.000
57.04	0.000	57.57	0.000	58.10	0.000
57.05	0.000	57.58	0.000	58.11	0.000
57.06	0.000	57.59	0.000	58.12	0.000
57.07	0.000	57.60	0.000	58.13	0.000
57.08	0.000	57.61	0.000	58.14	0.000
57.09	0.000	57.62	0.000	58.15	0.000
57.10	0.000	57.63	0.000	58.16	0.000
57.11	0.000	57.64	0.000	58.17	0.000
57.12	0.000	57.65	0.000	58.18	0.000
57.13	0.000	57.66	0.000	58.19	0.000
57.14	0.000	57.67	0.000	58.20	0.000
57.15	0.000	57.68	0.000	58.21	0.000
57.16	0.000	57.69	0.000	58.22	0.000
57.17	0.000	57.70	0.000	58.23	0.000
57.18	0.000	57.71	0.000	58.24	0.000
57.19	0.000	57.72	0.000	58.25	0.000
57.20	0.000	57.73	0.000	58.26	0.000
57.21	0.000	57.74	0.000	58.27	0.000
57.22	0.000	57.75	0.000	58.28	0.000
57.23	0.000	57.76	0.000	58.29	0.000
57.24	0.000	57.77	0.000	58.30	0.000
57.25	0.000	57.78	0.000	58.31	0.000
57.26	0.000	57.79	0.000		
57.27	0.000	57.80	0.000		
57.28	0.000	57.81	0.000		
57.29	0.000	57.82	0.000		
57.30	0.000	57.83	0.000		
57.31	0.000	57.84	0.000		
57.32	0.000	57.85	0.000		
57.33	0.000	57.86	0.000		

Summary for Pond 81P: DMH 53

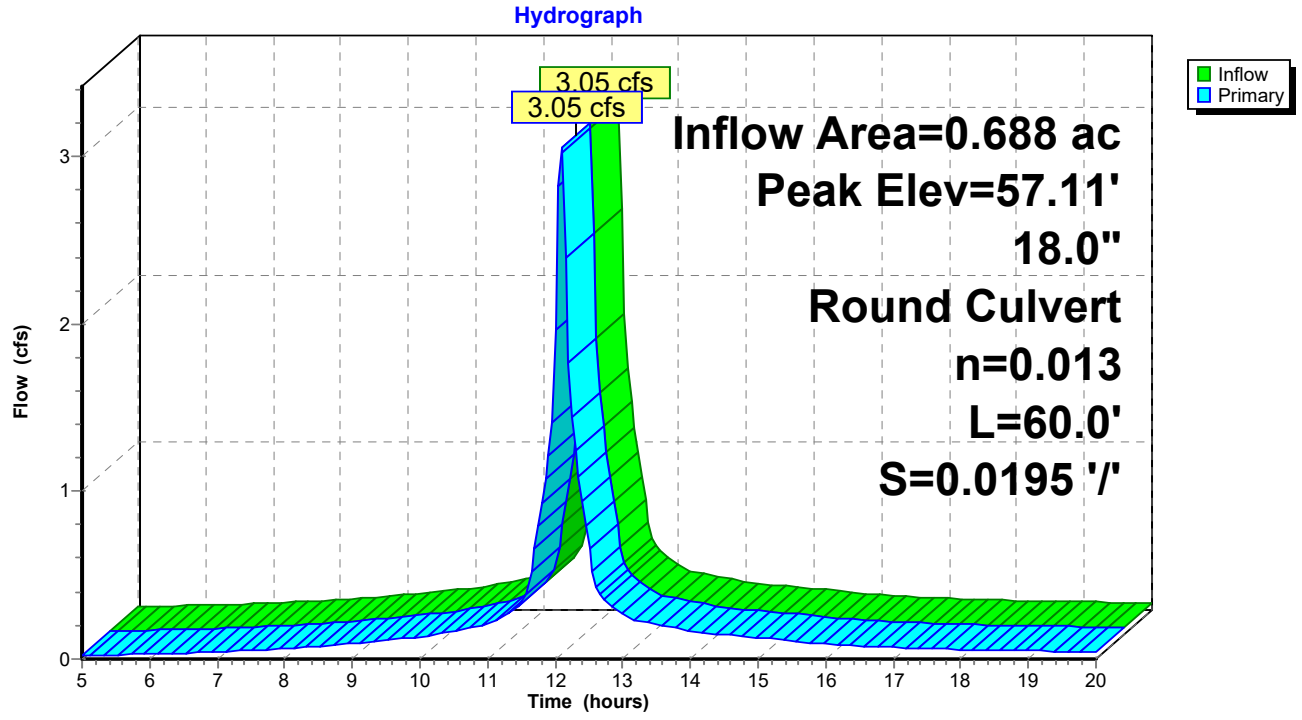
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 3.96" for 10-Year event
Inflow = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af
Outflow = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af, Atten= 0%, Lag= 0.0 min
Primary = 3.05 cfs @ 12.09 hrs, Volume= 0.227 af
Routed to Pond 82P : Constructed Wetland 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.11' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.17'	**18.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.17' / 55.00' S= 0.0195 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.97 cfs @ 12.09 hrs HW=57.10' (Free Discharge)
1=Culvert (Inlet Controls 2.97 cfs @ 2.59 fps)

Pond 81P: DMH 53



Stage-Area-Storage for Pond 81P: DMH 53

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.17	**0.000**	56.70	0.000	57.23	0.000
56.18	0.000	56.71	0.000	57.24	0.000
56.19	0.000	56.72	0.000	57.25	0.000
56.20	0.000	56.73	0.000	57.26	0.000
56.21	0.000	56.74	0.000	57.27	0.000
56.22	0.000	56.75	0.000	57.28	0.000
56.23	0.000	56.76	0.000	57.29	0.000
56.24	0.000	56.77	0.000	57.30	0.000
56.25	0.000	56.78	0.000	57.31	0.000
56.26	0.000	56.79	0.000	57.32	0.000
56.27	0.000	56.80	0.000	57.33	0.000
56.28	0.000	56.81	0.000	57.34	0.000
56.29	0.000	56.82	0.000	57.35	0.000
56.30	0.000	56.83	0.000	57.36	0.000
56.31	0.000	56.84	0.000	57.37	0.000
56.32	0.000	56.85	0.000	57.38	0.000
56.33	0.000	56.86	0.000	57.39	0.000
56.34	0.000	56.87	0.000	57.40	0.000
56.35	0.000	56.88	0.000	57.41	0.000
56.36	0.000	56.89	0.000	57.42	0.000
56.37	0.000	56.90	0.000	57.43	0.000
56.38	0.000	56.91	0.000	57.44	0.000
56.39	0.000	56.92	0.000	57.45	0.000
56.40	0.000	56.93	0.000	57.46	0.000
56.41	0.000	56.94	0.000	57.47	0.000
56.42	0.000	56.95	0.000	57.48	0.000
56.43	0.000	56.96	0.000	57.49	0.000
56.44	0.000	56.97	0.000	57.50	0.000
56.45	0.000	56.98	0.000	57.51	0.000
56.46	0.000	56.99	0.000	57.52	0.000
56.47	0.000	57.00	0.000	57.53	0.000
56.48	0.000	57.01	0.000	57.54	0.000
56.49	0.000	57.02	0.000	57.55	0.000
56.50	0.000	57.03	0.000	57.56	0.000
56.51	0.000	57.04	0.000	57.57	0.000
56.52	0.000	57.05	0.000	57.58	0.000
56.53	0.000	57.06	0.000	57.59	0.000
56.54	0.000	57.07	0.000	57.60	0.000
56.55	0.000	57.08	0.000	57.61	0.000
56.56	0.000	57.09	0.000	57.62	0.000
56.57	0.000	57.10	0.000	57.63	0.000
56.58	0.000	57.11	0.000	57.64	0.000
56.59	0.000	57.12	0.000	57.65	0.000
56.60	0.000	57.13	0.000	57.66	0.000
56.61	0.000	57.14	0.000	57.67	0.000
56.62	0.000	57.15	0.000		
56.63	0.000	57.16	0.000		
56.64	0.000	57.17	0.000		
56.65	0.000	57.18	0.000		
56.66	0.000	57.19	0.000		
56.67	0.000	57.20	0.000		
56.68	0.000	57.21	0.000		
56.69	0.000	57.22	0.000		

Summary for Pond 82P: Constructed Wetland 2

Inflow Area = 1.006 ac, 75.98% Impervious, Inflow Depth > 3.49" for 10-Year event
Inflow = 4.02 cfs @ 12.09 hrs, Volume= 0.293 af
Outflow = 1.23 cfs @ 12.41 hrs, Volume= 0.229 af, Atten= 69%, Lag= 19.5 min
Primary = 1.23 cfs @ 12.41 hrs, Volume= 0.229 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.16' @ 12.41 hrs Surf.Area= 3,490 sf Storage= 5,857 cf

Plug-Flow detention time= 125.6 min calculated for 0.229 af (78% of inflow)
Center-of-Mass det. time= 68.5 min (824.3 - 755.8)

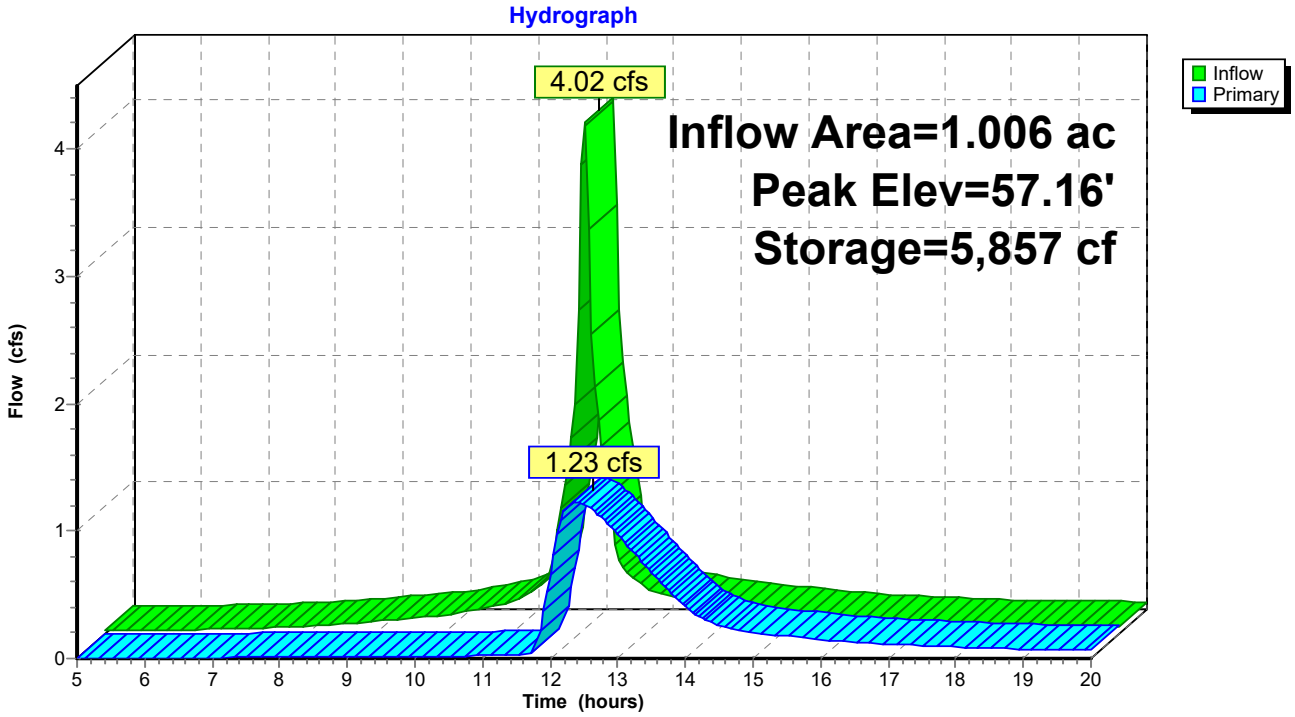
Volume	Invert	Avail.Storage	Storage Description
#1	55.00'	13,641 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
55.00	1,981	0	0
56.00	2,646	2,314	2,314
57.00	3,368	3,007	5,321
58.00	4,146	3,757	9,078
59.00	4,980	4,563	13,641

Device	Routing	Invert	Outlet Devices
#1	Primary	55.00'	**12.0" Round Culvert** L= 52.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.00' / 54.00' S= 0.0192 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	55.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.10'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=1.23 cfs @ 12.41 hrs HW=57.16' (Free Discharge)
└**1=Culvert** (Passes 1.23 cfs of 3.84 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.04 cfs @ 7.00 fps)
  └**3=Orifice/Grate** (Orifice Controls 1.19 cfs @ 4.54 fps)

Pond 82P: Constructed Wetland 2



Stage-Area-Storage for Pond 82P: Constructed Wetland 2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
55.00	1,981	0
55.05	2,014	100
55.10	2,048	201
55.15	2,081	305
55.20	2,114	410
55.25	2,147	516
55.30	2,180	624
55.35	2,214	734
55.40	2,247	846
55.45	2,280	959
55.50	2,314	1,074
55.55	2,347	1,190
55.60	2,380	1,308
55.65	2,413	1,428
55.70	2,447	1,550
55.75	2,480	1,673
55.80	2,513	1,798
55.85	2,546	1,924
55.90	2,579	2,052
55.95	2,613	2,182
56.00	2,646	2,314
56.05	2,682	2,447
56.10	2,718	2,582
56.15	2,754	2,719
56.20	2,790	2,857
56.25	2,827	2,998
56.30	2,863	3,140
56.35	2,899	3,284
56.40	2,935	3,430
56.45	2,971	3,577
56.50	3,007	3,727
56.55	3,043	3,878
56.60	3,079	4,031
56.65	3,115	4,186
56.70	3,151	4,343
56.75	3,188	4,501
56.80	3,224	4,661
56.85	3,260	4,823
56.90	3,296	4,987
56.95	3,332	5,153
57.00	3,368	5,321
57.05	3,407	5,490
57.10	3,446	5,661
57.15	3,485	5,834
57.20	3,524	6,010
57.25	3,563	6,187
57.30	3,601	6,366
57.35	3,640	6,547
57.40	3,679	6,730
57.45	3,718	6,915
57.50	3,757	7,102
57.55	3,796	7,291
57.60	3,835	7,481
57.65	3,874	7,674
57.70	3,913	7,869
57.75	3,952	8,065
57.80	3,990	8,264
57.85	4,029	8,464
57.90	4,068	8,667
57.95	4,107	8,871
58.00	4,146	9,078
58.05	4,188	9,286
58.10	4,229	9,496
58.15	4,271	9,709
58.20	4,313	9,923
58.25	4,355	10,140
58.30	4,396	10,359
58.35	4,438	10,580
58.40	4,480	10,803
58.45	4,521	11,028
58.50	4,563	11,255
58.55	4,605	11,484
58.60	4,646	11,715
58.65	4,688	11,949
58.70	4,730	12,184
58.75	4,772	12,422
58.80	4,813	12,661
58.85	4,855	12,903
58.90	4,897	13,147
58.95	4,938	13,393
59.00	**4,980**	**13,641**

Summary for Pond 83P: CB 86

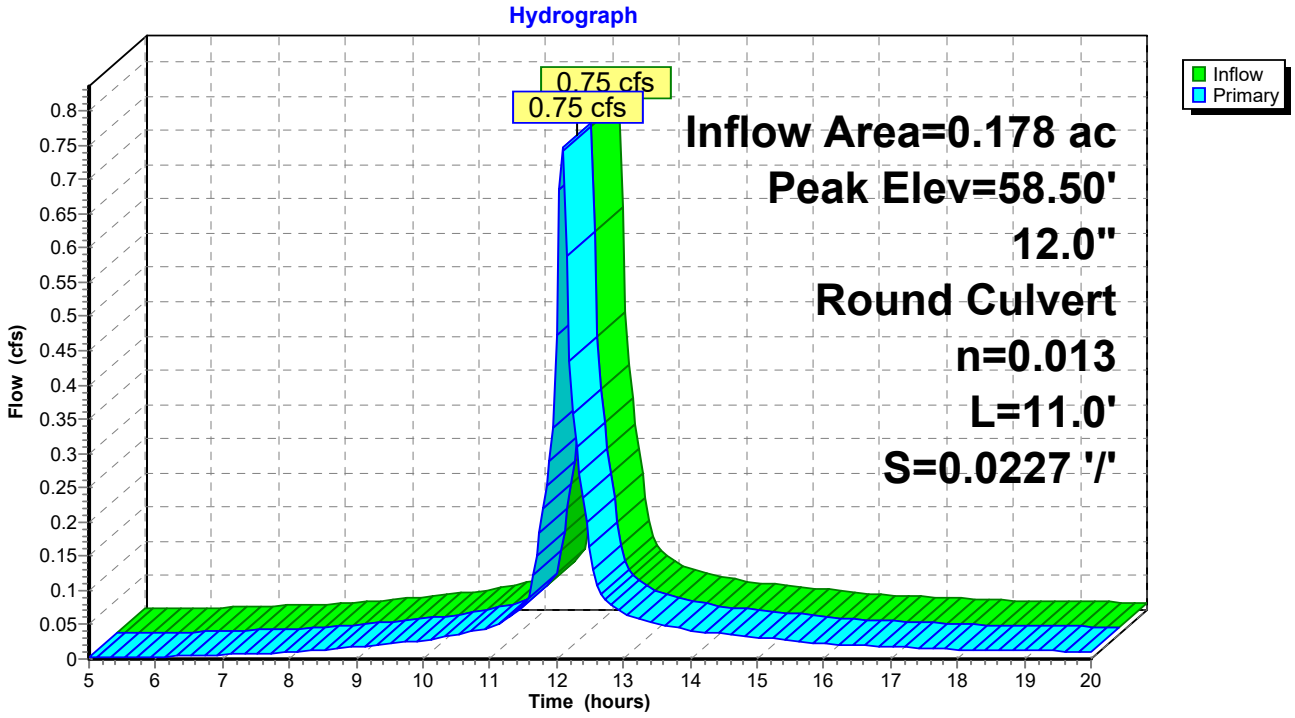
Inflow Area = 0.178 ac, 72.79% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af
Outflow = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.75 cfs @ 12.09 hrs, Volume= 0.053 af
Routed to Pond 85P : DMH 65

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.50' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.00' / 57.75' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.09 hrs HW=58.49' (Free Discharge)
1=Culvert (Inlet Controls 0.73 cfs @ 1.89 fps)

Pond 83P: CB 86



Stage-Area-Storage for Pond 83P: CB 86

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.00	**0.000**	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000	58.66	0.000
58.14	0.000	58.67	0.000
58.15	0.000	58.68	0.000
58.16	0.000	58.69	0.000
58.17	0.000	58.70	0.000
58.18	0.000	58.71	0.000
58.19	0.000	58.72	0.000
58.20	0.000	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000		
58.49	0.000		
58.50	0.000		
58.51	0.000		
58.52	0.000		

Summary for Pond 84P: CB 87

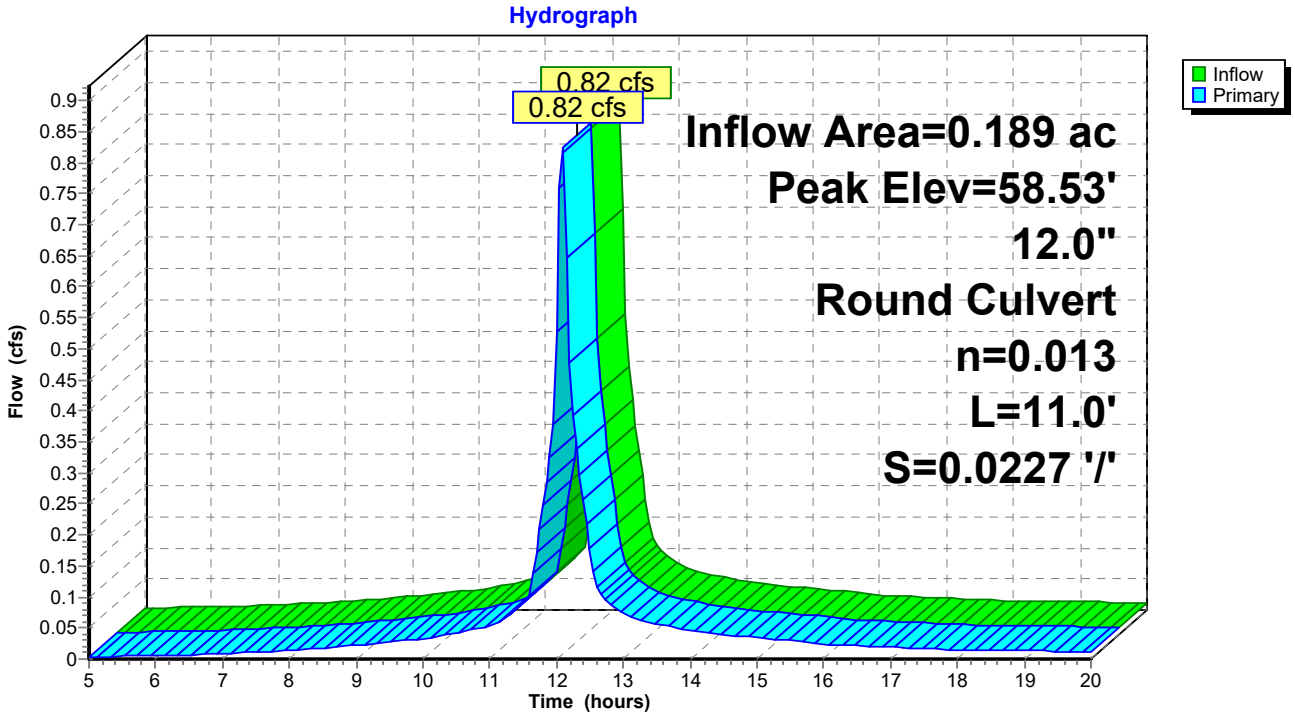
Inflow Area = 0.189 ac, 78.29% Impervious, Inflow Depth > 3.81" for 10-Year event
Inflow = 0.82 cfs @ 12.09 hrs, Volume= 0.060 af
Outflow = 0.82 cfs @ 12.09 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.82 cfs @ 12.09 hrs, Volume= 0.060 af
Routed to Pond 85P : DMH 65

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.53' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.00' / 57.75' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.80 cfs @ 12.09 hrs HW=58.52' (Free Discharge)
1=Culvert (Inlet Controls 0.80 cfs @ 1.94 fps)

Pond 84P: CB 87



Stage-Area-Storage for Pond 84P: CB 87

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.00	**0.000**	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000	58.66	0.000
58.14	0.000	58.67	0.000
58.15	0.000	58.68	0.000
58.16	0.000	58.69	0.000
58.17	0.000	58.70	0.000
58.18	0.000	58.71	0.000
58.19	0.000	58.72	0.000
58.20	0.000	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000		
58.49	0.000		
58.50	0.000		
58.51	0.000		
58.52	0.000		

Summary for Pond 85P: DMH 65

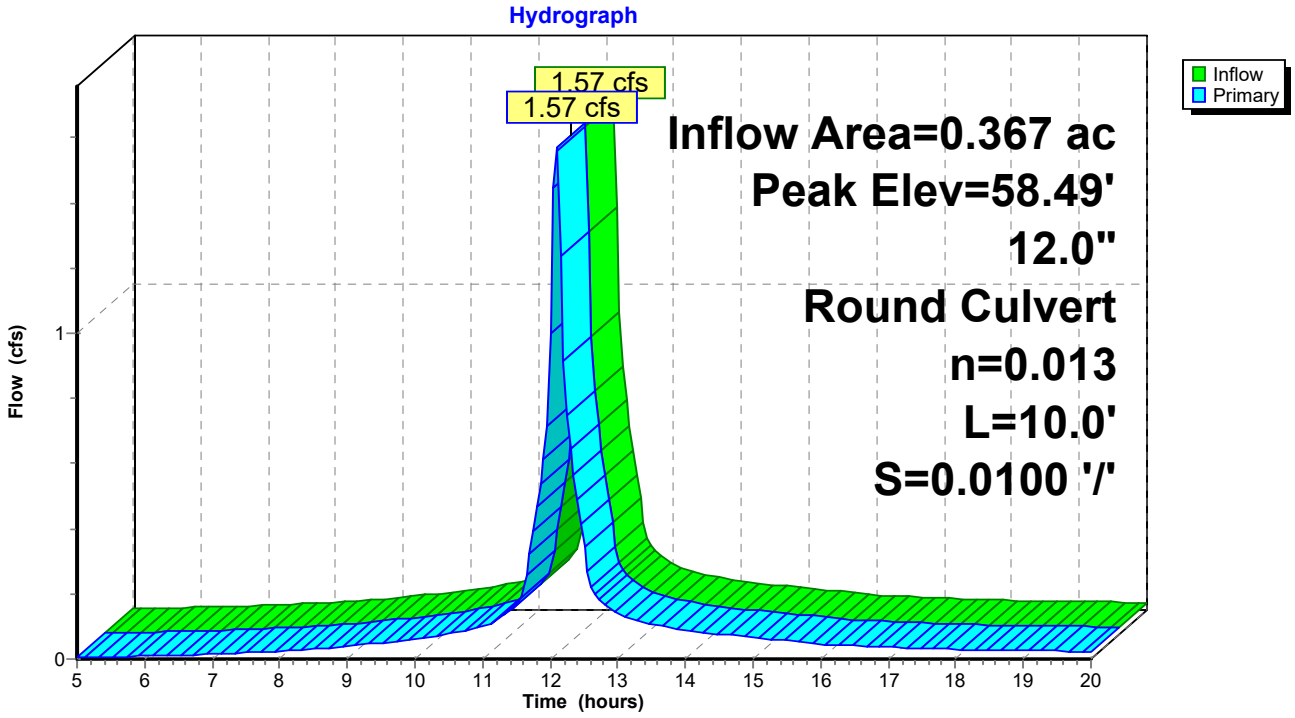
Inflow Area = 0.367 ac, 75.63% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 1.57 cfs @ 12.09 hrs, Volume= 0.114 af
Outflow = 1.57 cfs @ 12.09 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min
Primary = 1.57 cfs @ 12.09 hrs, Volume= 0.114 af
Routed to Pond 97P : Sub. Det. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.49' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.65'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.65' / 57.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.53 cfs @ 12.09 hrs HW=58.47' (Free Discharge)
1=Culvert (Barrel Controls 1.53 cfs @ 3.01 fps)

Pond 85P: DMH 65



Stage-Area-Storage for Pond 85P: DMH 65

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.65	**0.000**	58.18	0.000
57.66	0.000	58.19	0.000
57.67	0.000	58.20	0.000
57.68	0.000	58.21	0.000
57.69	0.000	58.22	0.000
57.70	0.000	58.23	0.000
57.71	0.000	58.24	0.000
57.72	0.000	58.25	0.000
57.73	0.000	58.26	0.000
57.74	0.000	58.27	0.000
57.75	0.000	58.28	0.000
57.76	0.000	58.29	0.000
57.77	0.000	58.30	0.000
57.78	0.000	58.31	0.000
57.79	0.000	58.32	0.000
57.80	0.000	58.33	0.000
57.81	0.000	58.34	0.000
57.82	0.000	58.35	0.000
57.83	0.000	58.36	0.000
57.84	0.000	58.37	0.000
57.85	0.000	58.38	0.000
57.86	0.000	58.39	0.000
57.87	0.000	58.40	0.000
57.88	0.000	58.41	0.000
57.89	0.000	58.42	0.000
57.90	0.000	58.43	0.000
57.91	0.000	58.44	0.000
57.92	0.000	58.45	0.000
57.93	0.000	58.46	0.000
57.94	0.000	58.47	0.000
57.95	0.000	58.48	0.000
57.96	0.000	58.49	0.000
57.97	0.000	58.50	0.000
57.98	0.000	58.51	0.000
57.99	0.000	58.52	0.000
58.00	0.000	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000		
58.14	0.000		
58.15	0.000		
58.16	0.000		
58.17	0.000		

Summary for Pond 86P: Sub. Inf. 6

Inflow Area = 0.589 ac, 36.87% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 2.03 cfs @ 12.09 hrs, Volume= 0.139 af
Outflow = 0.94 cfs @ 12.28 hrs, Volume= 0.108 af, Atten= 54%, Lag= 11.5 min
Discarded = 0.07 cfs @ 12.28 hrs, Volume= 0.056 af
Primary = 0.86 cfs @ 12.28 hrs, Volume= 0.052 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.96' @ 12.28 hrs Surf.Area= 0.037 ac Storage= 0.049 af

Plug-Flow detention time= 110.6 min calculated for 0.108 af (78% of inflow)
Center-of-Mass det. time= 53.7 min (835.0 - 781.3)

Volume	Invert	Avail.Storage	Storage Description
#1A	61.00'	0.034 af	**30.00'W x 53.46'L x 3.50'H Field A** 0.129 af Overall - 0.045 af Embedded = 0.084 af x 40.0% Voids
#2A	61.50'	0.045 af	**ADS_StormTech SC-740 b +Cap** x 42 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 42 Chambers in 6 Rows Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf
		0.079 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	61.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 59.00'
#2	Primary	61.00'	**12.0" Round Culvert** L= 105.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 57.00' S= 0.0381 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	62.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	63.50'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.07 cfs @ 12.28 hrs HW=62.95' (Free Discharge)
└**1=Exfiltration** (Controls 0.07 cfs)

Primary OutFlow Max=0.86 cfs @ 12.28 hrs HW=62.95' (Free Discharge)
└**2=Culvert** (Passes 0.86 cfs of 3.60 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 0.86 cfs @ 2.30 fps)
  └**4=Sharp-Crested Vee/Trap Weir** (Controls 0.00 cfs)

Pond 86P: Sub. Inf. 6 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

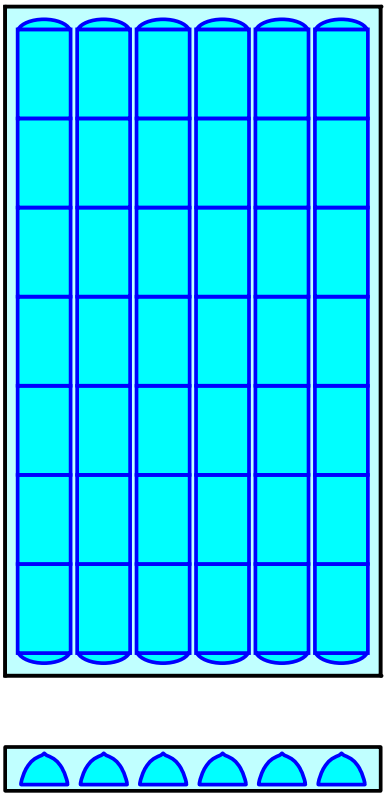
7 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 51.46' Row Length +12.0" End Stone x 2 = 53.46' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

42 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 1,961.3 cf Chamber Storage

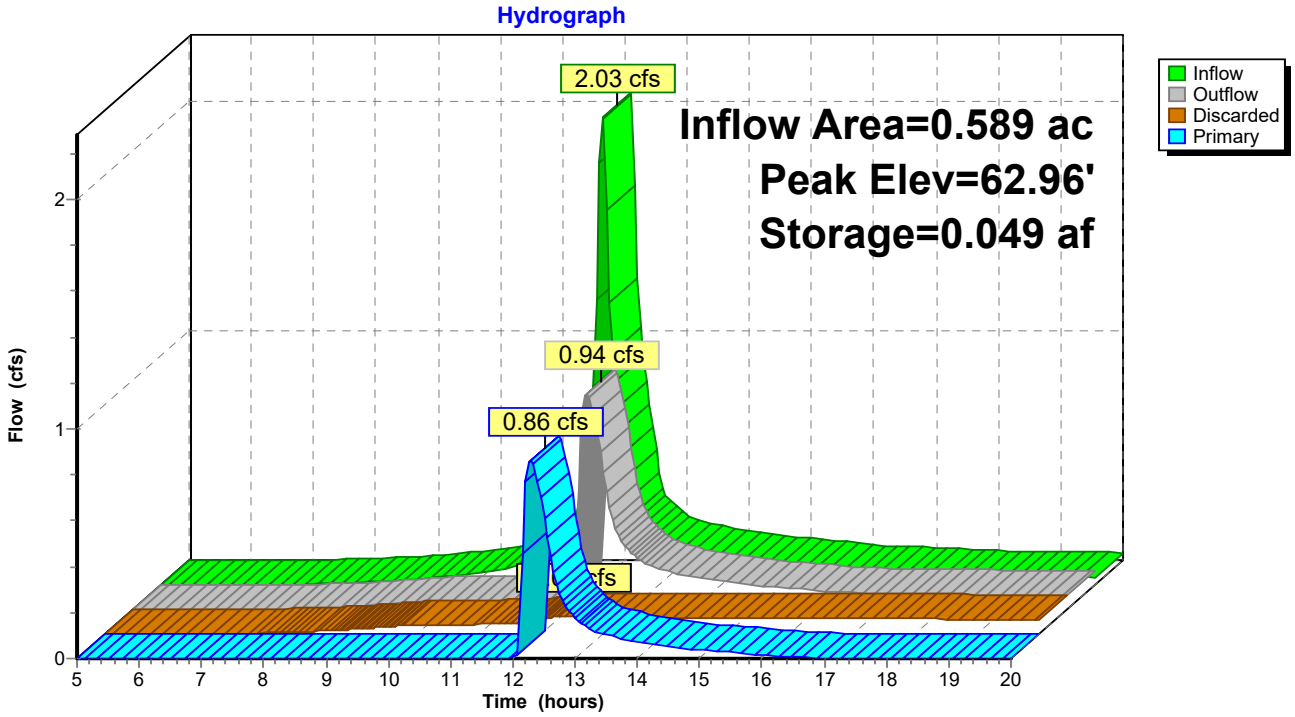
5,613.0 cf Field - 1,961.3 cf Chambers = 3,651.6 cf Stone x 40.0% Voids = 1,460.6 cf Stone Storage

Chamber Storage + Stone Storage = 3,422.0 cf = 0.079 af
Overall Storage Efficiency = 61.0%
Overall System Size = 53.46' x 30.00' x 3.50'

42 Chambers
207.9 cy Field
135.2 cy Stone



Pond 86P: Sub. Inf. 6



Stage-Area-Storage for Pond 86P: Sub. Inf. 6

Elevation (feet)	Surface (acres)	Storage (acre-feet)
61.00	**0.037**	0.000
61.05	0.037	0.001
61.10	0.037	0.001
61.15	0.037	0.002
61.20	0.037	0.003
61.25	0.037	0.004
61.30	0.037	0.004
61.35	0.037	0.005
61.40	0.037	0.006
61.45	0.037	0.007
61.50	0.037	0.007
61.55	0.037	0.009
61.60	0.037	0.010
61.65	0.037	0.012
61.70	0.037	0.013
61.75	0.037	0.015
61.80	0.037	0.016
61.85	0.037	0.018
61.90	0.037	0.019
61.95	0.037	0.021
62.00	0.037	0.022
62.05	0.037	0.024
62.10	0.037	0.025
62.15	0.037	0.027
62.20	0.037	0.028
62.25	0.037	0.030
62.30	0.037	0.031
62.35	0.037	0.032
62.40	0.037	0.034
62.45	0.037	0.035
62.50	0.037	0.037
62.55	0.037	0.038
62.60	0.037	0.040
62.65	0.037	0.041
62.70	0.037	0.042
62.75	0.037	0.044
62.80	0.037	0.045
62.85	0.037	0.046
62.90	0.037	0.048
62.95	0.037	0.049
63.00	0.037	0.050
63.05	0.037	0.051
63.10	0.037	0.053
63.15	0.037	0.054
63.20	0.037	0.055
63.25	0.037	0.056
63.30	0.037	0.058
63.35	0.037	0.059
63.40	0.037	0.060
63.45	0.037	0.061
63.50	0.037	0.062
63.55	0.037	0.063
63.60	0.037	0.064
63.65	0.037	0.065
63.70	0.037	0.066
63.75	0.037	0.067
63.80	0.037	0.068
63.85	0.037	0.069
63.90	0.037	0.070
63.95	0.037	0.070
64.00	0.037	0.071
64.05	0.037	0.072
64.10	0.037	0.073
64.15	0.037	0.073
64.20	0.037	0.074
64.25	0.037	0.075
64.30	0.037	0.076
64.35	0.037	0.076
64.40	0.037	0.077
64.45	0.037	0.078
64.50	0.037	**0.079**

Summary for Pond 87P: CB 85

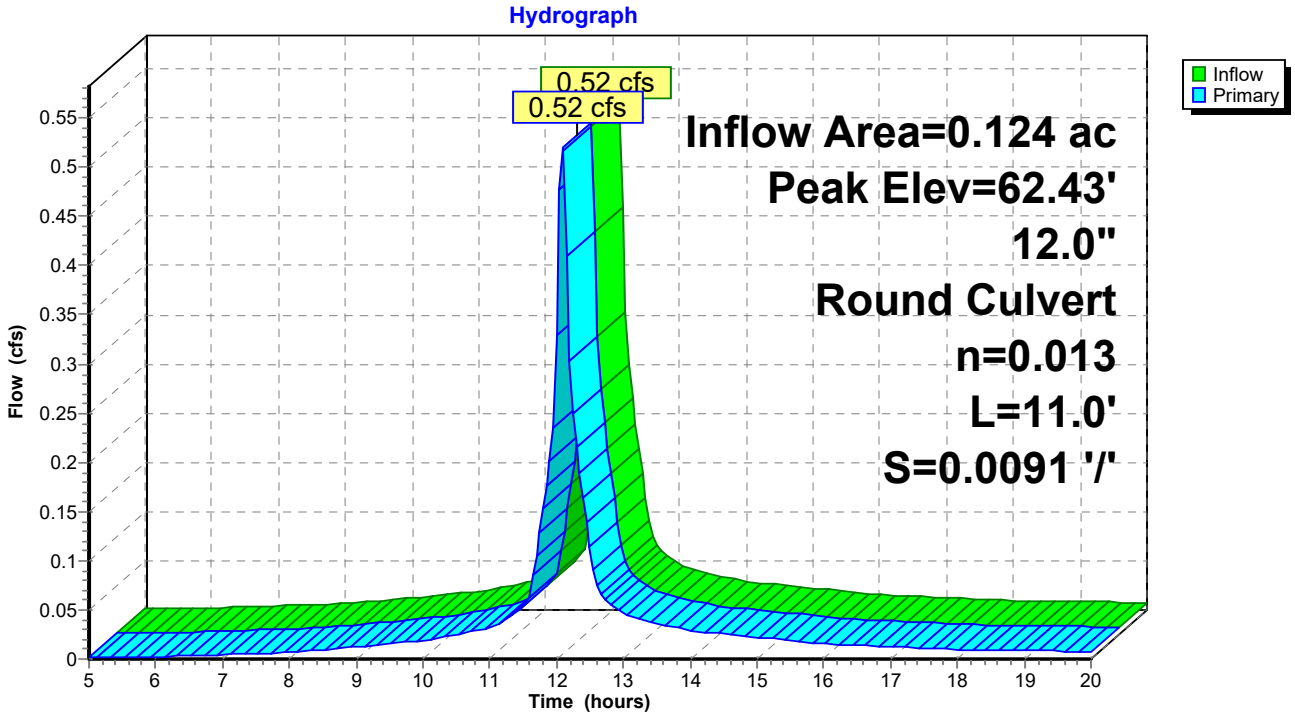
Inflow Area = 0.124 ac, 69.69% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 0.52 cfs @ 12.09 hrs, Volume= 0.037 af
Outflow = 0.52 cfs @ 12.09 hrs, Volume= 0.037 af, Atten= 0%, Lag= 0.0 min
Primary = 0.52 cfs @ 12.09 hrs, Volume= 0.037 af
Routed to Pond 92P : DMH 63

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.43' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.51 cfs @ 12.09 hrs HW=62.43' (Free Discharge)
1=Culvert (Barrel Controls 0.51 cfs @ 2.34 fps)

Pond 87P: CB 85



Stage-Area-Storage for Pond 87P: CB 85

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000		
62.49	0.000		
62.50	0.000		
62.51	0.000		
62.52	0.000		

Summary for Pond 88P: CB 84

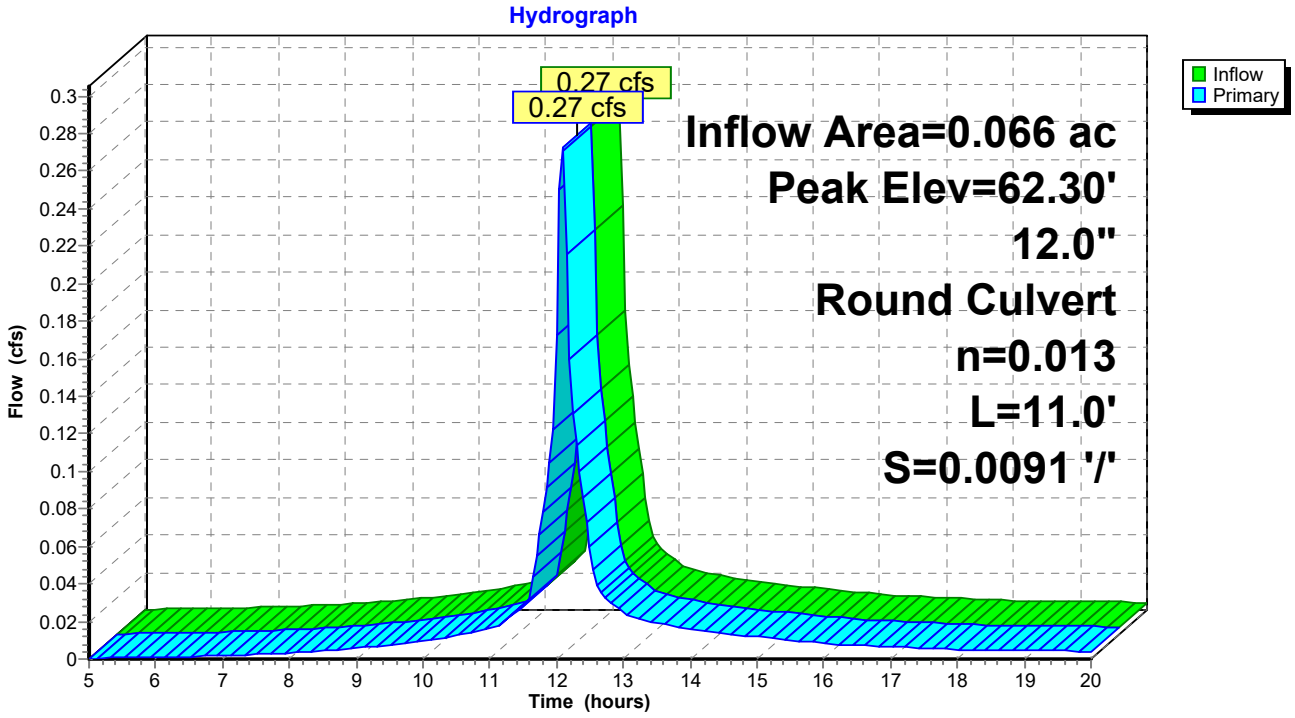
Inflow Area = 0.066 ac, 66.55% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af
Outflow = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af
Routed to Pond 92P : DMH 63

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=62.30' (Free Discharge)
1=Culvert (Barrel Controls 0.27 cfs @ 2.04 fps)

Pond 88P: CB 84



Stage-Area-Storage for Pond 88P: CB 84

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000		
62.49	0.000		
62.50	0.000		
62.51	0.000		
62.52	0.000		

Summary for Pond 89P: CB 74

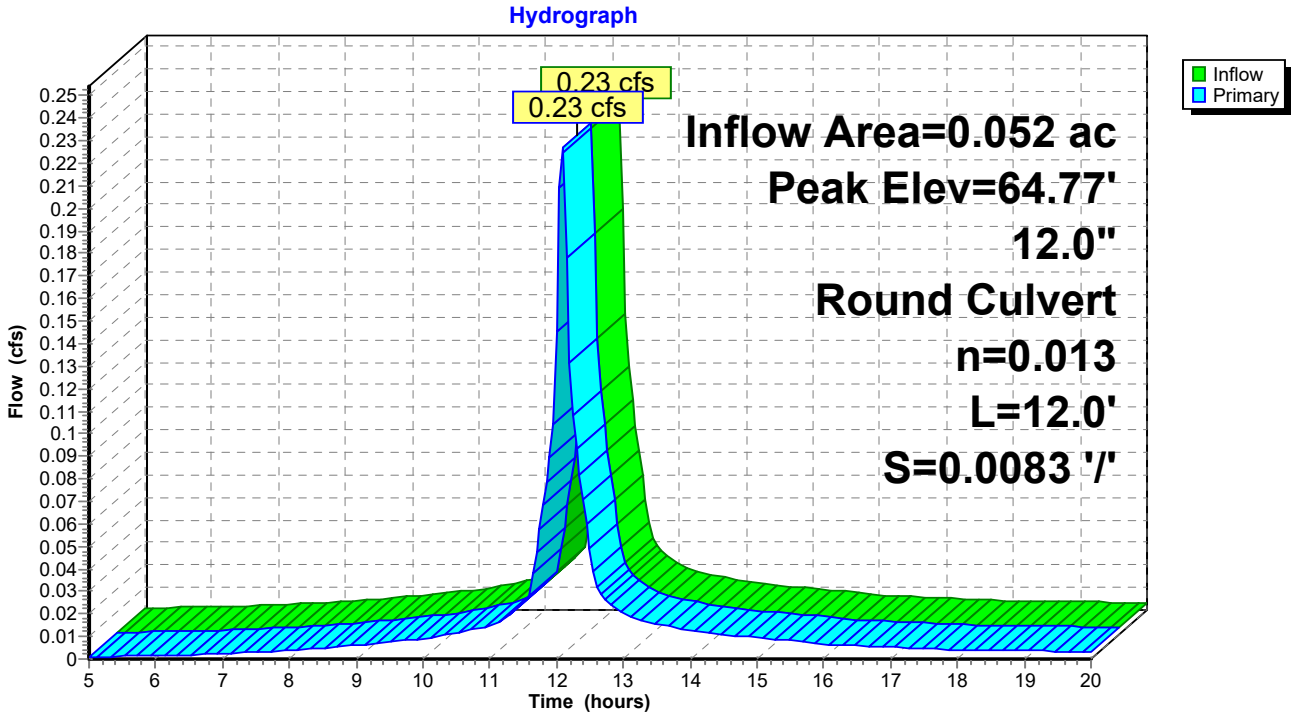
Inflow Area = 0.052 ac, 80.20% Impervious, Inflow Depth > 3.81" for 10-Year event
Inflow = 0.23 cfs @ 12.09 hrs, Volume= 0.017 af
Outflow = 0.23 cfs @ 12.09 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.23 cfs @ 12.09 hrs, Volume= 0.017 af
Routed to Pond 91P : DMH 55

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.50'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.50' / 64.40' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.09 hrs HW=64.77' (Free Discharge)
1=Culvert (Barrel Controls 0.22 cfs @ 1.94 fps)

Pond 89P: CB 74



Stage-Area-Storage for Pond 89P: CB 74

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.50	**0.000**	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000	65.31	0.000
64.79	0.000	65.32	0.000
64.80	0.000	65.33	0.000
64.81	0.000	65.34	0.000
64.82	0.000	65.35	0.000
64.83	0.000	65.36	0.000
64.84	0.000	65.37	0.000
64.85	0.000	65.38	0.000
64.86	0.000	65.39	0.000
64.87	0.000	65.40	0.000
64.88	0.000	65.41	0.000
64.89	0.000	65.42	0.000
64.90	0.000	65.43	0.000
64.91	0.000	65.44	0.000
64.92	0.000	65.45	0.000
64.93	0.000	65.46	0.000
64.94	0.000	65.47	0.000
64.95	0.000	65.48	0.000
64.96	0.000	65.49	0.000
64.97	0.000	65.50	0.000
64.98	0.000		
64.99	0.000		
65.00	0.000		
65.01	0.000		
65.02	0.000		

Summary for Pond 90P: CB 75

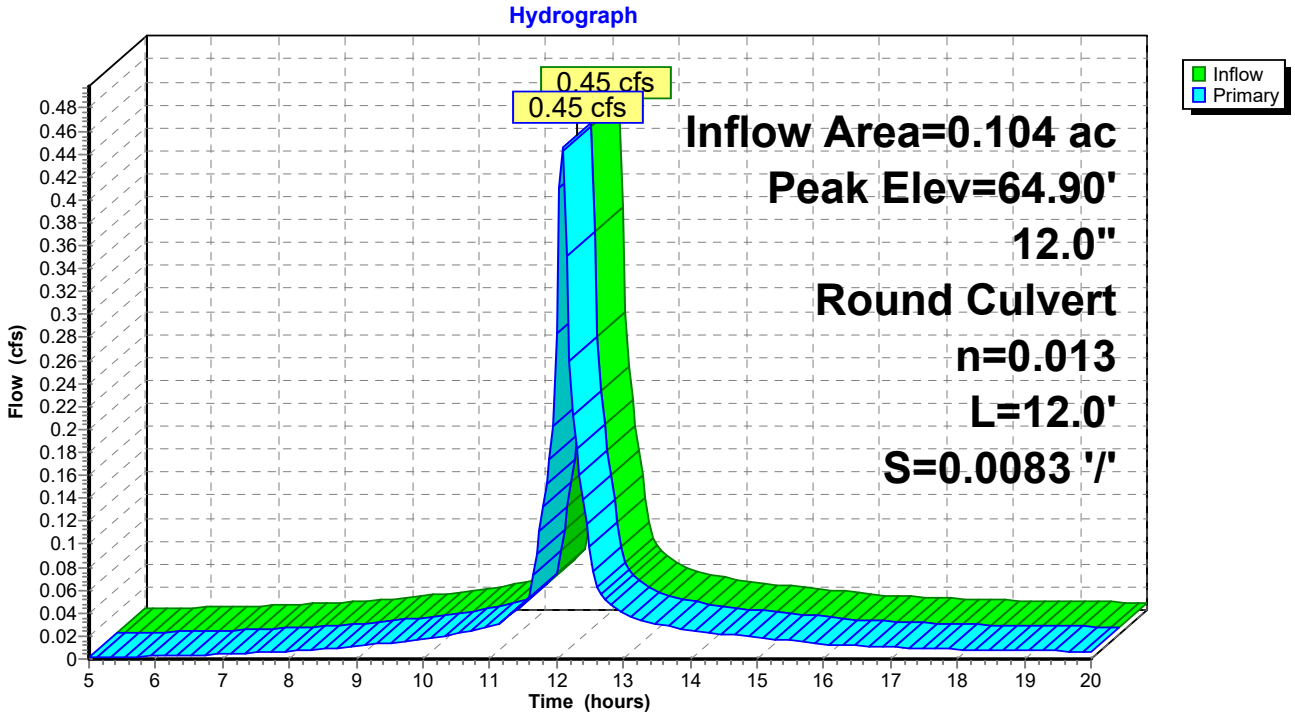
Inflow Area = 0.104 ac, 76.91% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af
Outflow = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.45 cfs @ 12.09 hrs, Volume= 0.032 af
Routed to Pond 91P : DMH 55

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.50'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.50' / 64.40' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=64.89' (Free Discharge)
1=Culvert (Barrel Controls 0.43 cfs @ 2.24 fps)

Pond 90P: CB 75



Stage-Area-Storage for Pond 90P: CB 75

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.50	**0.000**	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000	65.31	0.000
64.79	0.000	65.32	0.000
64.80	0.000	65.33	0.000
64.81	0.000	65.34	0.000
64.82	0.000	65.35	0.000
64.83	0.000	65.36	0.000
64.84	0.000	65.37	0.000
64.85	0.000	65.38	0.000
64.86	0.000	65.39	0.000
64.87	0.000	65.40	0.000
64.88	0.000	65.41	0.000
64.89	0.000	65.42	0.000
64.90	0.000	65.43	0.000
64.91	0.000	65.44	0.000
64.92	0.000	65.45	0.000
64.93	0.000	65.46	0.000
64.94	0.000	65.47	0.000
64.95	0.000	65.48	0.000
64.96	0.000	65.49	0.000
64.97	0.000	65.50	0.000
64.98	0.000		
64.99	0.000		
65.00	0.000		
65.01	0.000		
65.02	0.000		

Summary for Pond 91P: DMH 55

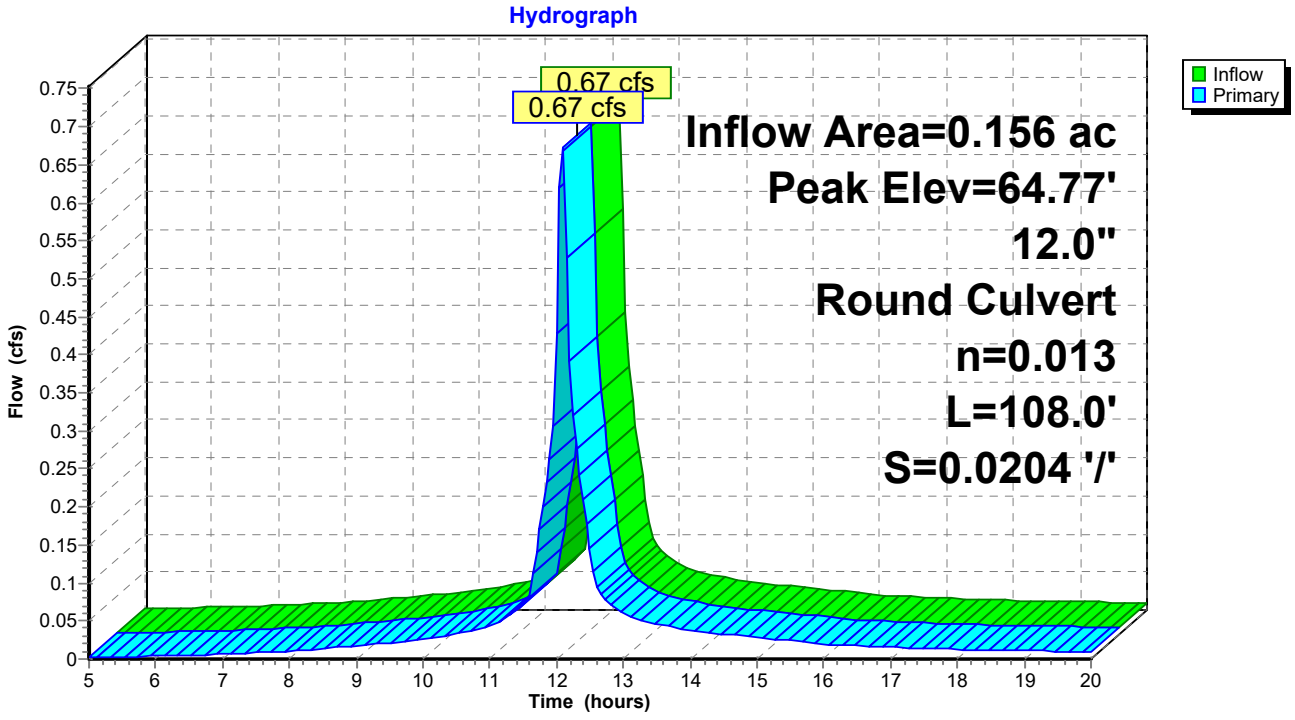
Inflow Area = 0.156 ac, 78.01% Impervious, Inflow Depth > 3.74" for 10-Year event
Inflow = 0.67 cfs @ 12.09 hrs, Volume= 0.049 af
Outflow = 0.67 cfs @ 12.09 hrs, Volume= 0.049 af, Atten= 0%, Lag= 0.0 min
Primary = 0.67 cfs @ 12.09 hrs, Volume= 0.049 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.30'	**12.0" Round Culvert** L= 108.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.30' / 62.10' S= 0.0204 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.66 cfs @ 12.09 hrs HW=64.76' (Free Discharge)
1=Culvert (Inlet Controls 0.66 cfs @ 1.83 fps)

Pond 91P: DMH 55



Stage-Area-Storage for Pond 91P: DMH 55

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.30	**0.000**	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000	64.89	0.000
64.37	0.000	64.90	0.000
64.38	0.000	64.91	0.000
64.39	0.000	64.92	0.000
64.40	0.000	64.93	0.000
64.41	0.000	64.94	0.000
64.42	0.000	64.95	0.000
64.43	0.000	64.96	0.000
64.44	0.000	64.97	0.000
64.45	0.000	64.98	0.000
64.46	0.000	64.99	0.000
64.47	0.000	65.00	0.000
64.48	0.000	65.01	0.000
64.49	0.000	65.02	0.000
64.50	0.000	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000		
64.79	0.000		
64.80	0.000		
64.81	0.000		
64.82	0.000		

Summary for Pond 92P: DMH 63

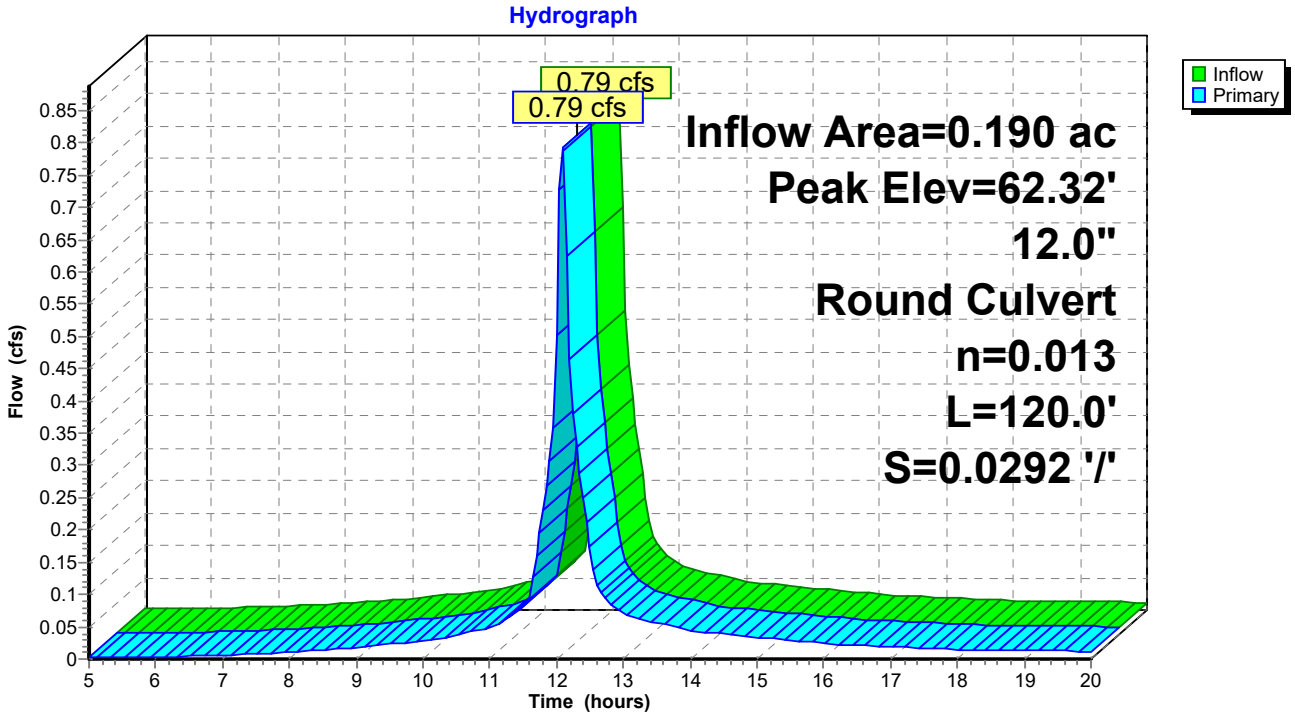
Inflow Area = 0.190 ac, 68.59% Impervious, Inflow Depth > 3.57" for 10-Year event
Inflow = 0.79 cfs @ 12.09 hrs, Volume= 0.057 af
Outflow = 0.79 cfs @ 12.09 hrs, Volume= 0.057 af, Atten= 0%, Lag= 0.0 min
Primary = 0.79 cfs @ 12.09 hrs, Volume= 0.057 af
Routed to Pond 93P : DMH 62

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.32' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.80'	**12.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.80' / 58.30' S= 0.0292 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.77 cfs @ 12.09 hrs HW=62.31' (Free Discharge)
1=Culvert (Inlet Controls 0.77 cfs @ 1.92 fps)

Pond 92P: DMH 63



Stage-Area-Storage for Pond 92P: DMH 63

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.80	**0.000**	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000	62.51	0.000
61.99	0.000	62.52	0.000
62.00	0.000	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000		
62.29	0.000		
62.30	0.000		
62.31	0.000		
62.32	0.000		

Summary for Pond 93P: DMH 62

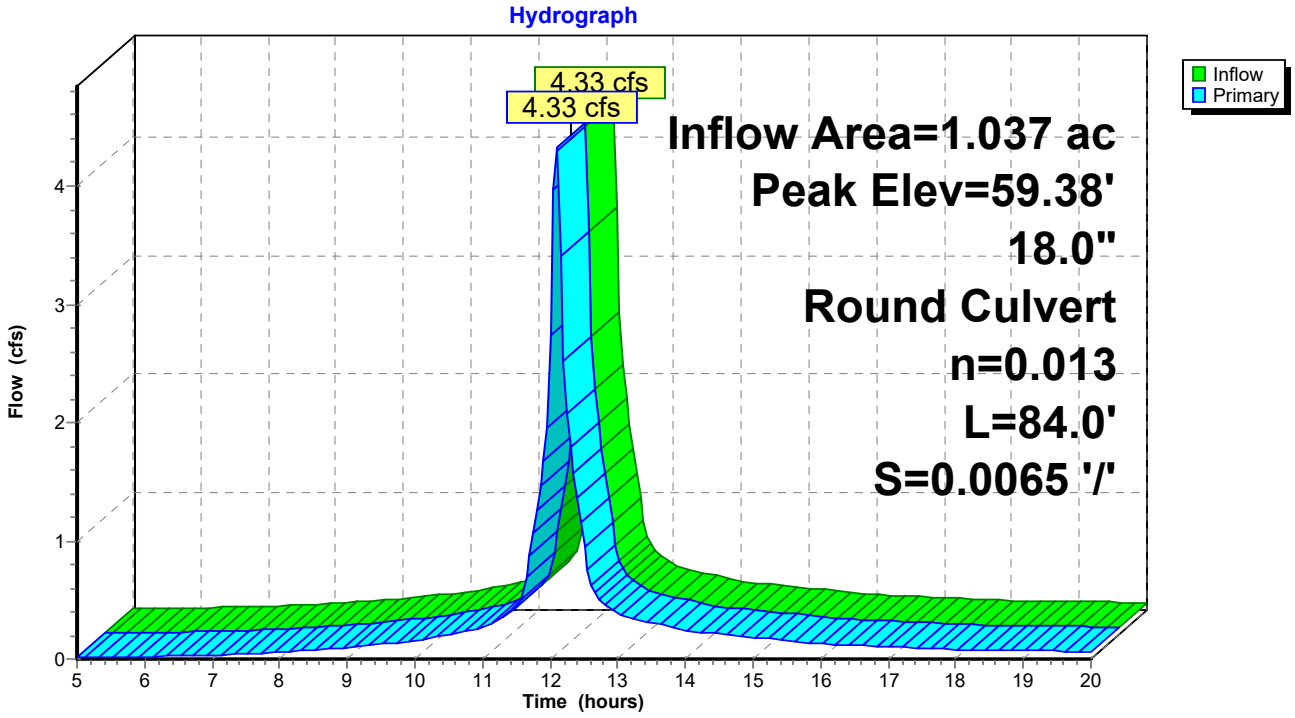
Inflow Area = 1.037 ac, 70.16% Impervious, Inflow Depth > 3.58" for 10-Year event
Inflow = 4.33 cfs @ 12.09 hrs, Volume= 0.310 af
Outflow = 4.33 cfs @ 12.09 hrs, Volume= 0.310 af, Atten= 0%, Lag= 0.0 min
Primary = 4.33 cfs @ 12.09 hrs, Volume= 0.310 af
Routed to Pond 209P : DMH 64

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.38' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**18.0" Round Culvert** L= 84.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 57.65' S= 0.0065 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.22 cfs @ 12.09 hrs HW=59.36' (Free Discharge)
1=Culvert (Inlet Controls 4.22 cfs @ 2.89 fps)

Pond 93P: DMH 62



Stage-Area-Storage for Pond 93P: DMH 62

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000	59.26	0.000
58.21	0.000	58.74	0.000	59.27	0.000
58.22	0.000	58.75	0.000	59.28	0.000
58.23	0.000	58.76	0.000	59.29	0.000
58.24	0.000	58.77	0.000	59.30	0.000
58.25	0.000	58.78	0.000	59.31	0.000
58.26	0.000	58.79	0.000	59.32	0.000
58.27	0.000	58.80	0.000	59.33	0.000
58.28	0.000	58.81	0.000	59.34	0.000
58.29	0.000	58.82	0.000	59.35	0.000
58.30	0.000	58.83	0.000	59.36	0.000
58.31	0.000	58.84	0.000	59.37	0.000
58.32	0.000	58.85	0.000	59.38	0.000
58.33	0.000	58.86	0.000	59.39	0.000
58.34	0.000	58.87	0.000	59.40	0.000
58.35	0.000	58.88	0.000	59.41	0.000
58.36	0.000	58.89	0.000	59.42	0.000
58.37	0.000	58.90	0.000	59.43	0.000
58.38	0.000	58.91	0.000	59.44	0.000
58.39	0.000	58.92	0.000	59.45	0.000
58.40	0.000	58.93	0.000	59.46	0.000
58.41	0.000	58.94	0.000	59.47	0.000
58.42	0.000	58.95	0.000	59.48	0.000
58.43	0.000	58.96	0.000	59.49	0.000
58.44	0.000	58.97	0.000	59.50	0.000
58.45	0.000	58.98	0.000	59.51	0.000
58.46	0.000	58.99	0.000	59.52	0.000
58.47	0.000	59.00	0.000	59.53	0.000
58.48	0.000	59.01	0.000	59.54	0.000
58.49	0.000	59.02	0.000	59.55	0.000
58.50	0.000	59.03	0.000	59.56	0.000
58.51	0.000	59.04	0.000	59.57	0.000
58.52	0.000	59.05	0.000	59.58	0.000
58.53	0.000	59.06	0.000	59.59	0.000
58.54	0.000	59.07	0.000	59.60	0.000
58.55	0.000	59.08	0.000	59.61	0.000
58.56	0.000	59.09	0.000	59.62	0.000
58.57	0.000	59.10	0.000	59.63	0.000
58.58	0.000	59.11	0.000	59.64	0.000
58.59	0.000	59.12	0.000	59.65	0.000
58.60	0.000	59.13	0.000	59.66	0.000
58.61	0.000	59.14	0.000	59.67	0.000
58.62	0.000	59.15	0.000	59.68	0.000
58.63	0.000	59.16	0.000	59.69	0.000
58.64	0.000	59.17	0.000	59.70	0.000
58.65	0.000	59.18	0.000		
58.66	0.000	59.19	0.000		
58.67	0.000	59.20	0.000		
58.68	0.000	59.21	0.000		
58.69	0.000	59.22	0.000		
58.70	0.000	59.23	0.000		
58.71	0.000	59.24	0.000		
58.72	0.000	59.25	0.000		

Summary for Pond 94P: CB 77

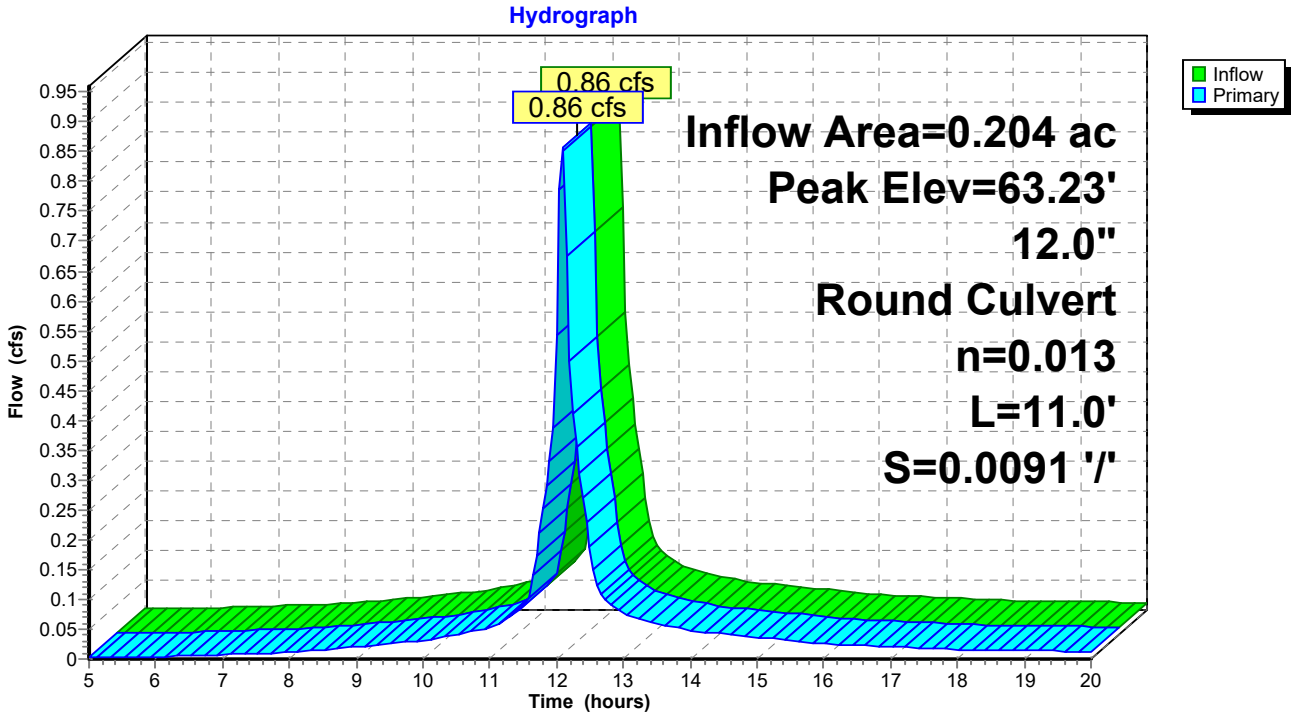
Inflow Area = 0.204 ac, 71.21% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 0.86 cfs @ 12.09 hrs, Volume= 0.061 af
Outflow = 0.86 cfs @ 12.09 hrs, Volume= 0.061 af, Atten= 0%, Lag= 0.0 min
Primary = 0.86 cfs @ 12.09 hrs, Volume= 0.061 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.23' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.65'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.65' / 62.55' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=63.22' (Free Discharge)
1=Culvert (Barrel Controls 0.84 cfs @ 2.61 fps)

Pond 94P: CB 77



Stage-Area-Storage for Pond 94P: CB 77

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.65	**0.000**	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000	63.31	0.000
62.79	0.000	63.32	0.000
62.80	0.000	63.33	0.000
62.81	0.000	63.34	0.000
62.82	0.000	63.35	0.000
62.83	0.000	63.36	0.000
62.84	0.000	63.37	0.000
62.85	0.000	63.38	0.000
62.86	0.000	63.39	0.000
62.87	0.000	63.40	0.000
62.88	0.000	63.41	0.000
62.89	0.000	63.42	0.000
62.90	0.000	63.43	0.000
62.91	0.000	63.44	0.000
62.92	0.000	63.45	0.000
62.93	0.000	63.46	0.000
62.94	0.000	63.47	0.000
62.95	0.000	63.48	0.000
62.96	0.000	63.49	0.000
62.97	0.000	63.50	0.000
62.98	0.000	63.51	0.000
62.99	0.000	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000		
63.14	0.000		
63.15	0.000		
63.16	0.000		
63.17	0.000		

Summary for Pond 95P: CB 76

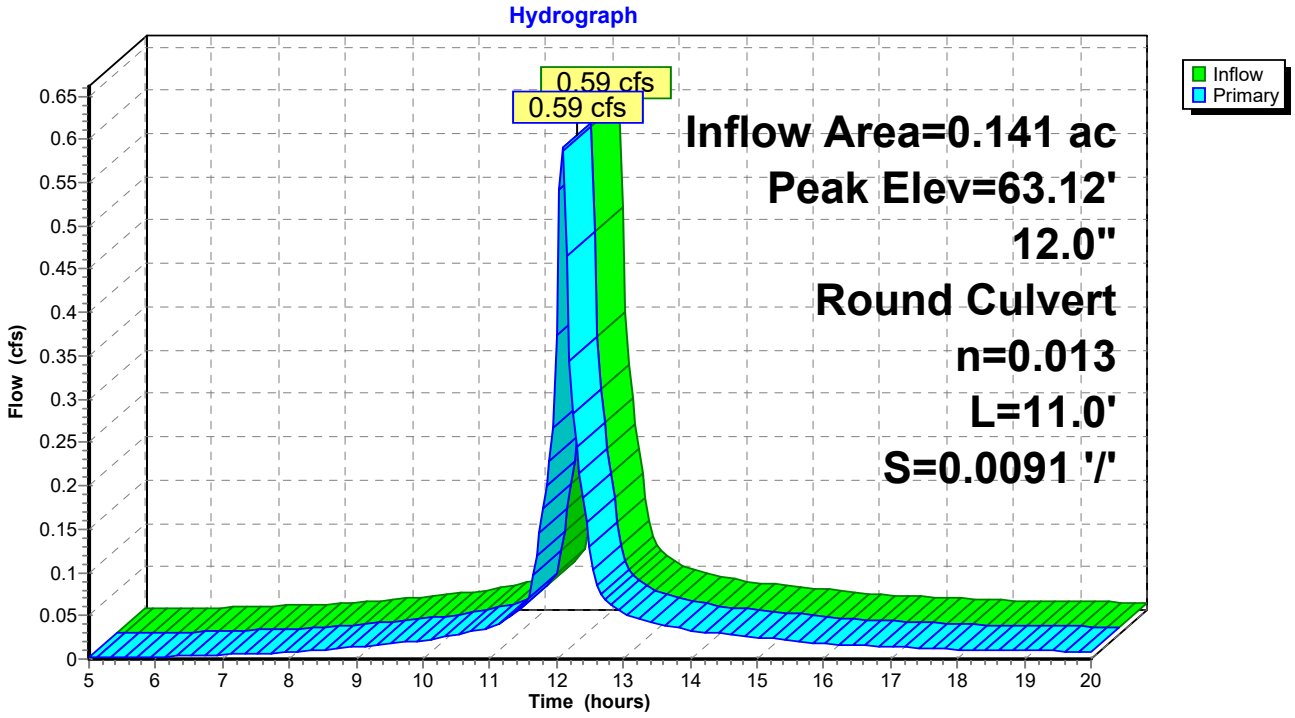
Inflow Area = 0.141 ac, 70.69% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 0.59 cfs @ 12.09 hrs, Volume= 0.042 af
Outflow = 0.59 cfs @ 12.09 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.59 cfs @ 12.09 hrs, Volume= 0.042 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.12' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.65'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.65' / 62.55' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.58 cfs @ 12.09 hrs HW=63.11' (Free Discharge)
1=Culvert (Barrel Controls 0.58 cfs @ 2.40 fps)

Pond 95P: CB 76



Stage-Area-Storage for Pond 95P: CB 76

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.65	**0.000**	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000	63.31	0.000
62.79	0.000	63.32	0.000
62.80	0.000	63.33	0.000
62.81	0.000	63.34	0.000
62.82	0.000	63.35	0.000
62.83	0.000	63.36	0.000
62.84	0.000	63.37	0.000
62.85	0.000	63.38	0.000
62.86	0.000	63.39	0.000
62.87	0.000	63.40	0.000
62.88	0.000	63.41	0.000
62.89	0.000	63.42	0.000
62.90	0.000	63.43	0.000
62.91	0.000	63.44	0.000
62.92	0.000	63.45	0.000
62.93	0.000	63.46	0.000
62.94	0.000	63.47	0.000
62.95	0.000	63.48	0.000
62.96	0.000	63.49	0.000
62.97	0.000	63.50	0.000
62.98	0.000	63.51	0.000
62.99	0.000	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000		
63.14	0.000		
63.15	0.000		
63.16	0.000		
63.17	0.000		

Summary for Pond 96P: DMH 56

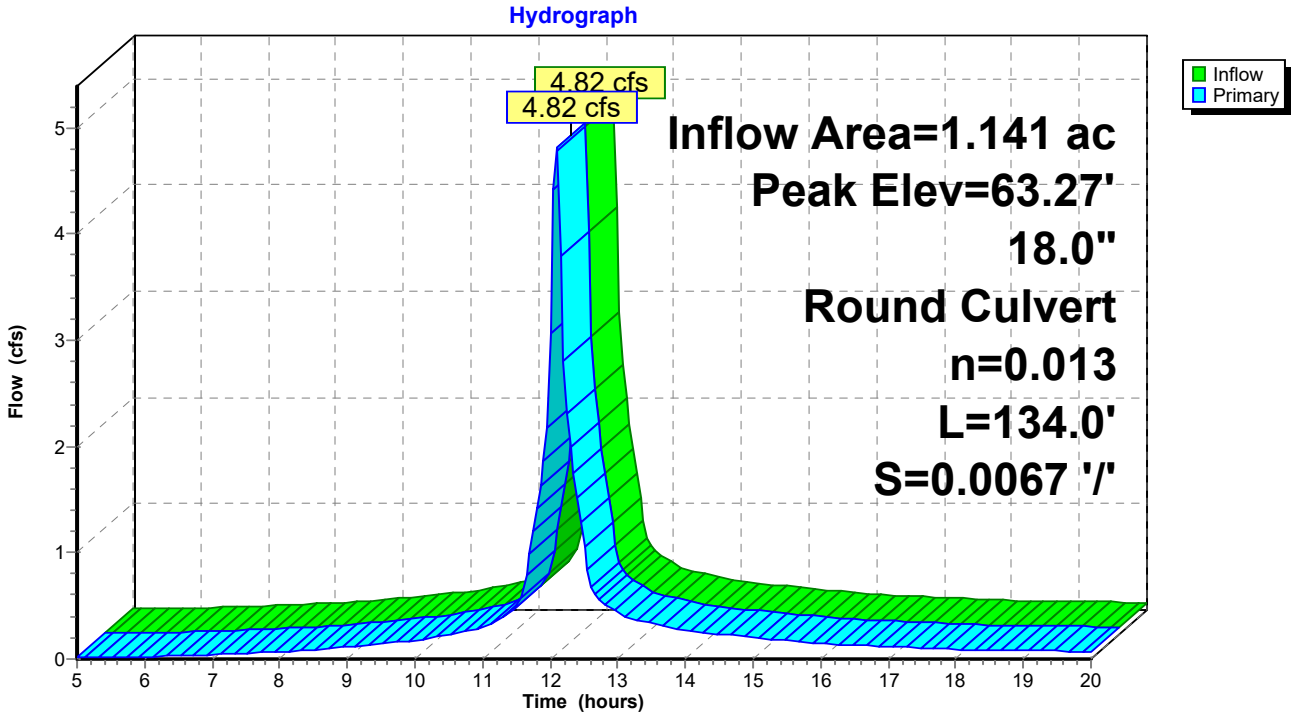
Inflow Area = 1.141 ac, 72.03% Impervious, Inflow Depth > 3.64" for 10-Year event
Inflow = 4.82 cfs @ 12.09 hrs, Volume= 0.346 af
Outflow = 4.82 cfs @ 12.09 hrs, Volume= 0.346 af, Atten= 0%, Lag= 0.0 min
Primary = 4.82 cfs @ 12.09 hrs, Volume= 0.346 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.27' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**18.0" Round Culvert** L= 134.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.10' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.70 cfs @ 12.09 hrs HW=63.24' (Free Discharge)
1=Culvert (Inlet Controls 4.70 cfs @ 3.00 fps)

Pond 96P: DMH 56



Stage-Area-Storage for Pond 96P: DMH 56

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000	63.06	0.000
62.01	0.000	62.54	0.000	63.07	0.000
62.02	0.000	62.55	0.000	63.08	0.000
62.03	0.000	62.56	0.000	63.09	0.000
62.04	0.000	62.57	0.000	63.10	0.000
62.05	0.000	62.58	0.000	63.11	0.000
62.06	0.000	62.59	0.000	63.12	0.000
62.07	0.000	62.60	0.000	63.13	0.000
62.08	0.000	62.61	0.000	63.14	0.000
62.09	0.000	62.62	0.000	63.15	0.000
62.10	0.000	62.63	0.000	63.16	0.000
62.11	0.000	62.64	0.000	63.17	0.000
62.12	0.000	62.65	0.000	63.18	0.000
62.13	0.000	62.66	0.000	63.19	0.000
62.14	0.000	62.67	0.000	63.20	0.000
62.15	0.000	62.68	0.000	63.21	0.000
62.16	0.000	62.69	0.000	63.22	0.000
62.17	0.000	62.70	0.000	63.23	0.000
62.18	0.000	62.71	0.000	63.24	0.000
62.19	0.000	62.72	0.000	63.25	0.000
62.20	0.000	62.73	0.000	63.26	0.000
62.21	0.000	62.74	0.000	63.27	0.000
62.22	0.000	62.75	0.000	63.28	0.000
62.23	0.000	62.76	0.000	63.29	0.000
62.24	0.000	62.77	0.000	63.30	0.000
62.25	0.000	62.78	0.000	63.31	0.000
62.26	0.000	62.79	0.000	63.32	0.000
62.27	0.000	62.80	0.000	63.33	0.000
62.28	0.000	62.81	0.000	63.34	0.000
62.29	0.000	62.82	0.000	63.35	0.000
62.30	0.000	62.83	0.000	63.36	0.000
62.31	0.000	62.84	0.000	63.37	0.000
62.32	0.000	62.85	0.000	63.38	0.000
62.33	0.000	62.86	0.000	63.39	0.000
62.34	0.000	62.87	0.000	63.40	0.000
62.35	0.000	62.88	0.000	63.41	0.000
62.36	0.000	62.89	0.000	63.42	0.000
62.37	0.000	62.90	0.000	63.43	0.000
62.38	0.000	62.91	0.000	63.44	0.000
62.39	0.000	62.92	0.000	63.45	0.000
62.40	0.000	62.93	0.000	63.46	0.000
62.41	0.000	62.94	0.000	63.47	0.000
62.42	0.000	62.95	0.000	63.48	0.000
62.43	0.000	62.96	0.000	63.49	0.000
62.44	0.000	62.97	0.000	63.50	0.000
62.45	0.000	62.98	0.000		
62.46	0.000	62.99	0.000		
62.47	0.000	63.00	0.000		
62.48	0.000	63.01	0.000		
62.49	0.000	63.02	0.000		
62.50	0.000	63.03	0.000		
62.51	0.000	63.04	0.000		
62.52	0.000	63.05	0.000		

Summary for Pond 97P: Sub. Det. 2

Inflow Area = 1.404 ac, 71.59% Impervious, Inflow Depth > 3.62" for 10-Year event
Inflow = 5.90 cfs @ 12.09 hrs, Volume= 0.423 af
Outflow = 0.26 cfs @ 14.92 hrs, Volume= 0.157 af, Atten= 96%, Lag= 169.9 min
Primary = 0.26 cfs @ 14.92 hrs, Volume= 0.157 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.55' @ 14.92 hrs Surf.Area= 0.088 ac Storage= 0.305 af

Plug-Flow detention time= 295.3 min calculated for 0.157 af (37% of inflow)
Center-of-Mass det. time= 189.3 min (947.4 - 758.1)

Volume	Invert	Avail.Storage	Storage Description
#1A	57.50'	0.014 af	**66.00'W x 58.00'L x 5.71'H Field A** 0.502 af Overall - 0.467 af Embedded = 0.035 af x 40.0% Voids
#2A	57.54'	0.367 af	**Shea Leaching Chamber 8x14x5.7** x 32 Inside #1 Inside= 84.0"W x 60.0"H => 38.46 sf x 13.00'L = 500.0 cf Outside= 96.0"W x 68.0"H => 45.36 sf x 14.00'L = 635.0 cf 32 Chambers in 8 Rows
		0.381 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	57.50'	**18.0" Round Culvert** L= 30.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.50' / 53.00' S= 0.1500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	57.50'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	60.50'	**2.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 1	61.70'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=0.26 cfs @ 14.92 hrs HW=61.55' (Free Discharge)
└**1=Culvert** (Passes 0.26 cfs of 12.20 cfs potential flow)
├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 9.64 fps)
├**3=Orifice/Grate** (Orifice Controls 0.21 cfs @ 4.73 fps)
└**4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 97P: Sub. Det. 2 - Chamber Wizard Field A

Chamber Model = Shea Leaching Chamber 8x14x5.7 (Shea Galley)
Inside= 84.0"W x 60.0"H => 38.46 sf x 13.00'L = 500.0 cf
Outside= 96.0"W x 68.0"H => 45.36 sf x 14.00'L = 635.0 cf

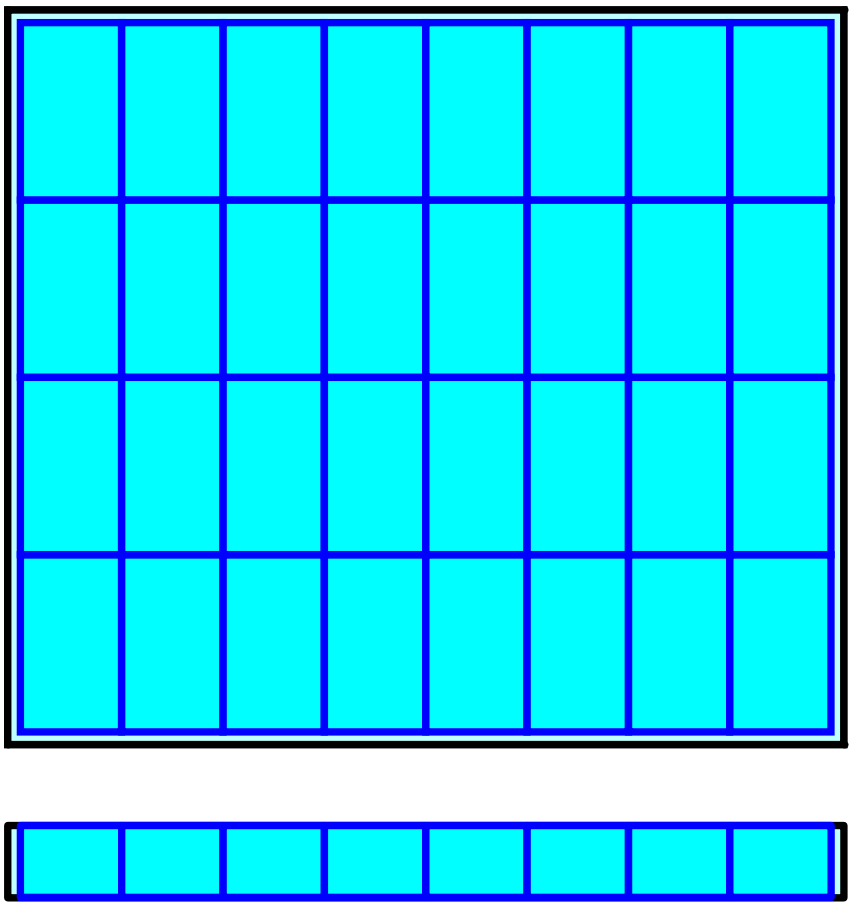
4 Chambers/Row x 14.00' Long = 56.00' Row Length +12.0" End Stone x 2 = 58.00' Base Length
8 Rows x 96.0" Wide + 12.0" Side Stone x 2 = 66.00' Base Width
0.5" Stone Base + 68.0" Chamber Height = 5.71' Field Height

32 Chambers x 500.0 cf = 16,000.0 cf Chamber Storage
32 Chambers x 635.0 cf = 20,321.3 cf Displacement

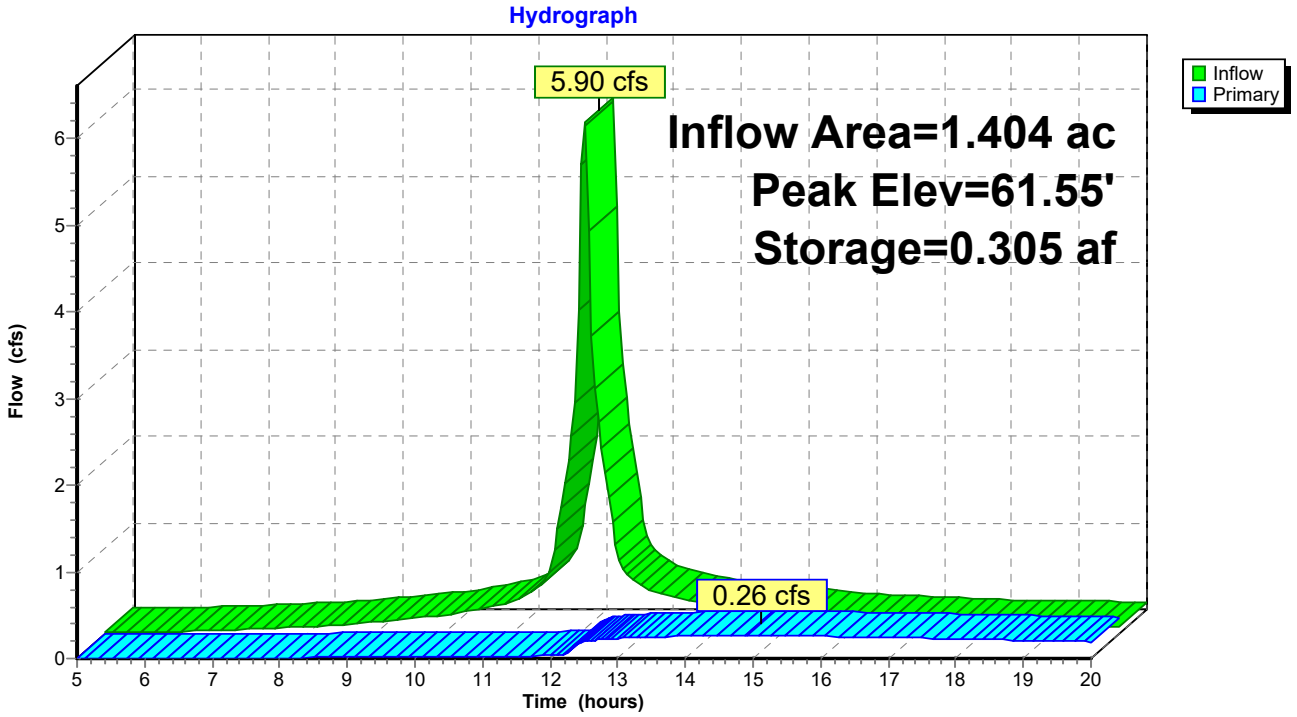
21,864.3 cf Field - 20,321.3 cf Chambers = 1,543.0 cf Stone x 40.0% Voids = 617.2 cf Stone Storage

Chamber Storage + Stone Storage = 16,617.2 cf = 0.381 af
Overall Storage Efficiency = 76.0%
Overall System Size = 58.00' x 66.00' x 5.71'

32 Chambers
809.8 cy Field
57.1 cy Stone



Pond 97P: Sub. Det. 2



Stage-Area-Storage for Pond 97P: Sub. Det. 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.50	0.000	60.15	0.199	62.80	0.381
57.55	0.002	60.20	0.203	62.85	0.381
57.60	0.006	60.25	0.206	62.90	0.381
57.65	0.010	60.30	0.210	62.95	0.381
57.70	0.013	60.35	0.214	63.00	0.381
57.75	0.017	60.40	0.218	63.05	0.381
57.80	0.021	60.45	0.222	63.10	0.381
57.85	0.025	60.50	0.225	63.15	0.381
57.90	0.029	60.55	0.229	63.20	**0.381**
57.95	0.032	60.60	0.233		
58.00	0.036	60.65	0.237		
58.05	0.040	60.70	0.241		
58.10	0.044	60.75	0.244		
58.15	0.048	60.80	0.248		
58.20	0.051	60.85	0.252		
58.25	0.055	60.90	0.256		
58.30	0.059	60.95	0.259		
58.35	0.063	61.00	0.263		
58.40	0.066	61.05	0.267		
58.45	0.070	61.10	0.271		
58.50	0.074	61.15	0.275		
58.55	0.078	61.20	0.278		
58.60	0.082	61.25	0.282		
58.65	0.085	61.30	0.286		
58.70	0.089	61.35	0.290		
58.75	0.093	61.40	0.294		
58.80	0.097	61.45	0.297		
58.85	0.101	61.50	0.301		
58.90	0.104	61.55	0.305		
58.95	0.108	61.60	0.309		
59.00	0.112	61.65	0.312		
59.05	0.116	61.70	0.316		
59.10	0.119	61.75	0.320		
59.15	0.123	61.80	0.324		
59.20	0.127	61.85	0.328		
59.25	0.131	61.90	0.331		
59.30	0.135	61.95	0.335		
59.35	0.138	62.00	0.339		
59.40	0.142	62.05	0.343		
59.45	0.146	62.10	0.347		
59.50	0.150	62.15	0.350		
59.55	0.154	62.20	0.354		
59.60	0.157	62.25	0.358		
59.65	0.161	62.30	0.362		
59.70	0.165	62.35	0.365		
59.75	0.169	62.40	0.369		
59.80	0.172	62.45	0.373		
59.85	0.176	62.50	0.377		
59.90	0.180	62.55	0.380		
59.95	0.184	62.60	0.380		
60.00	0.188	62.65	0.380		
60.05	0.191	62.70	0.380		
60.10	0.195	62.75	0.380		

Summary for Pond 98P: DMH 61

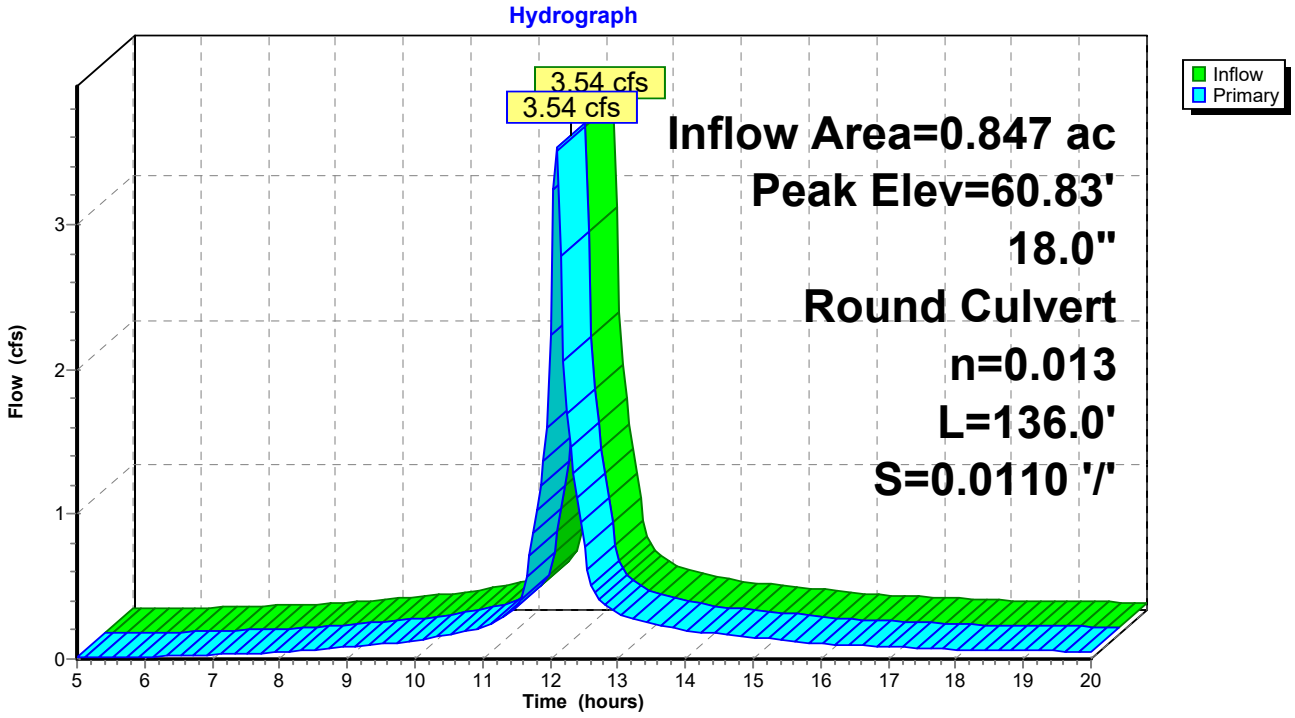
Inflow Area = 0.847 ac, 70.52% Impervious, Inflow Depth > 3.59" for 10-Year event
Inflow = 3.54 cfs @ 12.09 hrs, Volume= 0.253 af
Outflow = 3.54 cfs @ 12.09 hrs, Volume= 0.253 af, Atten= 0%, Lag= 0.0 min
Primary = 3.54 cfs @ 12.09 hrs, Volume= 0.253 af
Routed to Pond 93P : DMH 62

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.83' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.80'	**18.0" Round Culvert** L= 136.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.80' / 58.30' S= 0.0110 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.45 cfs @ 12.09 hrs HW=60.82' (Free Discharge)
1=Culvert (Inlet Controls 3.45 cfs @ 2.71 fps)

Pond 98P: DMH 61



Stage-Area-Storage for Pond 98P: DMH 61

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.80	**0.000**	60.33	0.000	60.86	0.000
59.81	0.000	60.34	0.000	60.87	0.000
59.82	0.000	60.35	0.000	60.88	0.000
59.83	0.000	60.36	0.000	60.89	0.000
59.84	0.000	60.37	0.000	60.90	0.000
59.85	0.000	60.38	0.000	60.91	0.000
59.86	0.000	60.39	0.000	60.92	0.000
59.87	0.000	60.40	0.000	60.93	0.000
59.88	0.000	60.41	0.000	60.94	0.000
59.89	0.000	60.42	0.000	60.95	0.000
59.90	0.000	60.43	0.000	60.96	0.000
59.91	0.000	60.44	0.000	60.97	0.000
59.92	0.000	60.45	0.000	60.98	0.000
59.93	0.000	60.46	0.000	60.99	0.000
59.94	0.000	60.47	0.000	61.00	0.000
59.95	0.000	60.48	0.000	61.01	0.000
59.96	0.000	60.49	0.000	61.02	0.000
59.97	0.000	60.50	0.000	61.03	0.000
59.98	0.000	60.51	0.000	61.04	0.000
59.99	0.000	60.52	0.000	61.05	0.000
60.00	0.000	60.53	0.000	61.06	0.000
60.01	0.000	60.54	0.000	61.07	0.000
60.02	0.000	60.55	0.000	61.08	0.000
60.03	0.000	60.56	0.000	61.09	0.000
60.04	0.000	60.57	0.000	61.10	0.000
60.05	0.000	60.58	0.000	61.11	0.000
60.06	0.000	60.59	0.000	61.12	0.000
60.07	0.000	60.60	0.000	61.13	0.000
60.08	0.000	60.61	0.000	61.14	0.000
60.09	0.000	60.62	0.000	61.15	0.000
60.10	0.000	60.63	0.000	61.16	0.000
60.11	0.000	60.64	0.000	61.17	0.000
60.12	0.000	60.65	0.000	61.18	0.000
60.13	0.000	60.66	0.000	61.19	0.000
60.14	0.000	60.67	0.000	61.20	0.000
60.15	0.000	60.68	0.000	61.21	0.000
60.16	0.000	60.69	0.000	61.22	0.000
60.17	0.000	60.70	0.000	61.23	0.000
60.18	0.000	60.71	0.000	61.24	0.000
60.19	0.000	60.72	0.000	61.25	0.000
60.20	0.000	60.73	0.000	61.26	0.000
60.21	0.000	60.74	0.000	61.27	0.000
60.22	0.000	60.75	0.000	61.28	0.000
60.23	0.000	60.76	0.000	61.29	0.000
60.24	0.000	60.77	0.000	61.30	0.000
60.25	0.000	60.78	0.000		
60.26	0.000	60.79	0.000		
60.27	0.000	60.80	0.000		
60.28	0.000	60.81	0.000		
60.29	0.000	60.82	0.000		
60.30	0.000	60.83	0.000		
60.31	0.000	60.84	0.000		
60.32	0.000	60.85	0.000		

Summary for Pond 99P: CB 81

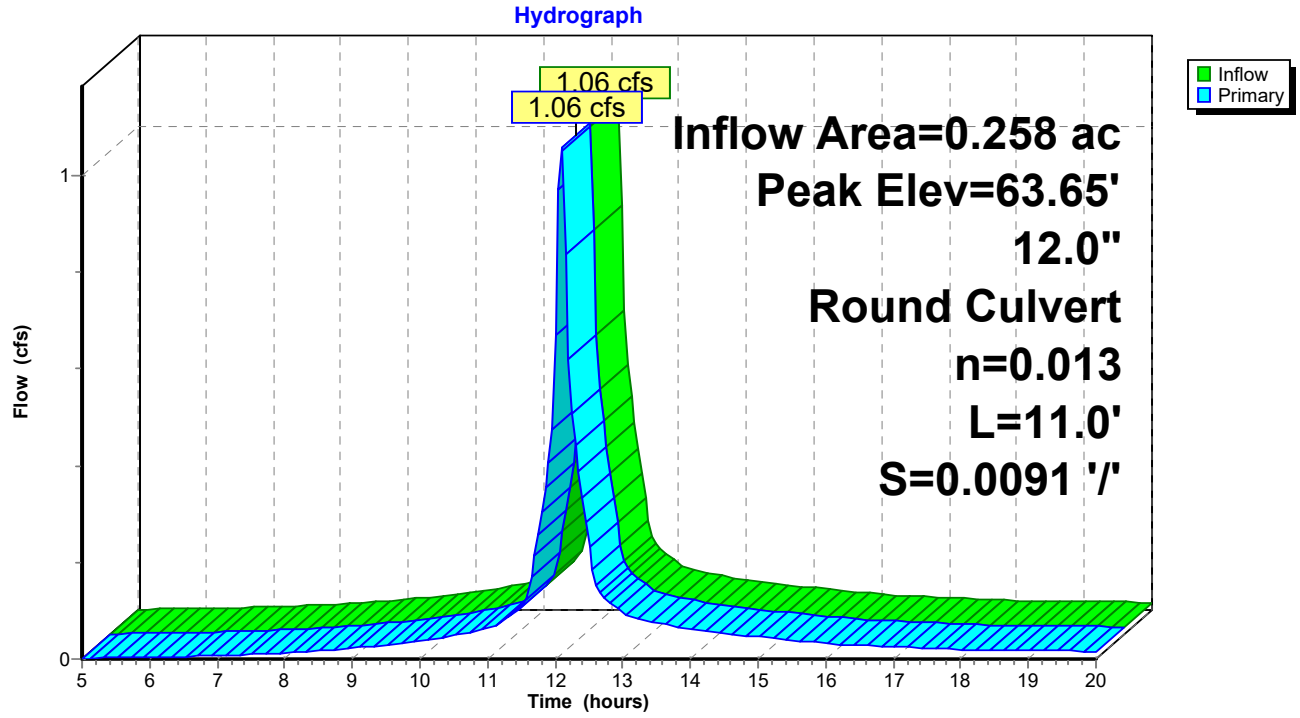
Inflow Area = 0.258 ac, 68.08% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 1.06 cfs @ 12.09 hrs, Volume= 0.075 af
Outflow = 1.06 cfs @ 12.09 hrs, Volume= 0.075 af, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.09 hrs, Volume= 0.075 af
Routed to Pond 101P : DMH 59

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.65' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.99'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.99' / 62.89' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.03 cfs @ 12.09 hrs HW=63.64' (Free Discharge)
1=Culvert (Barrel Controls 1.03 cfs @ 2.73 fps)

Pond 99P: CB 81



Stage-Area-Storage for Pond 99P: CB 81

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.99	**0.000**	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000	63.66	0.000
63.14	0.000	63.67	0.000
63.15	0.000	63.68	0.000
63.16	0.000	63.69	0.000
63.17	0.000	63.70	0.000
63.18	0.000	63.71	0.000
63.19	0.000	63.72	0.000
63.20	0.000	63.73	0.000
63.21	0.000	63.74	0.000
63.22	0.000	63.75	0.000
63.23	0.000	63.76	0.000
63.24	0.000	63.77	0.000
63.25	0.000	63.78	0.000
63.26	0.000	63.79	0.000
63.27	0.000	63.80	0.000
63.28	0.000	63.81	0.000
63.29	0.000	63.82	0.000
63.30	0.000	63.83	0.000
63.31	0.000	63.84	0.000
63.32	0.000	63.85	0.000
63.33	0.000	63.86	0.000
63.34	0.000	63.87	0.000
63.35	0.000	63.88	0.000
63.36	0.000	63.89	0.000
63.37	0.000	63.90	0.000
63.38	0.000	63.91	0.000
63.39	0.000	63.92	0.000
63.40	0.000	63.93	0.000
63.41	0.000	63.94	0.000
63.42	0.000	63.95	0.000
63.43	0.000	63.96	0.000
63.44	0.000	63.97	0.000
63.45	0.000	63.98	0.000
63.46	0.000	63.99	0.000
63.47	0.000		
63.48	0.000		
63.49	0.000		
63.50	0.000		
63.51	0.000		

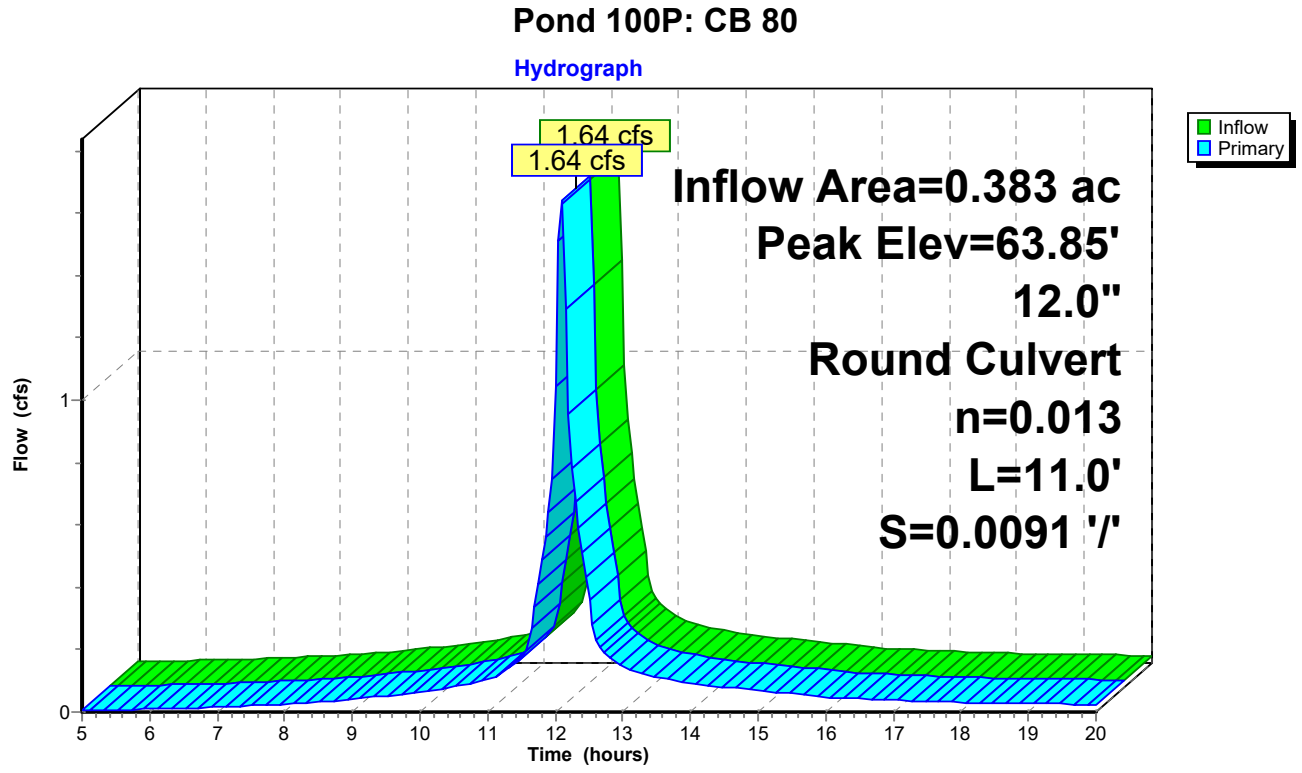
Summary for Pond 100P: CB 80

Inflow Area = 0.383 ac, 73.17% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 1.64 cfs @ 12.09 hrs, Volume= 0.118 af
Outflow = 1.64 cfs @ 12.09 hrs, Volume= 0.118 af, Atten= 0%, Lag= 0.0 min
Primary = 1.64 cfs @ 12.09 hrs, Volume= 0.118 af
Routed to Pond 101P : DMH 59

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.85' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.99'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.99' / 62.89' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.59 cfs @ 12.09 hrs HW=63.84' (Free Discharge)
1=Culvert (Barrel Controls 1.59 cfs @ 3.03 fps)



Stage-Area-Storage for Pond 100P: CB 80

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.99	**0.000**	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000	63.66	0.000
63.14	0.000	63.67	0.000
63.15	0.000	63.68	0.000
63.16	0.000	63.69	0.000
63.17	0.000	63.70	0.000
63.18	0.000	63.71	0.000
63.19	0.000	63.72	0.000
63.20	0.000	63.73	0.000
63.21	0.000	63.74	0.000
63.22	0.000	63.75	0.000
63.23	0.000	63.76	0.000
63.24	0.000	63.77	0.000
63.25	0.000	63.78	0.000
63.26	0.000	63.79	0.000
63.27	0.000	63.80	0.000
63.28	0.000	63.81	0.000
63.29	0.000	63.82	0.000
63.30	0.000	63.83	0.000
63.31	0.000	63.84	0.000
63.32	0.000	63.85	0.000
63.33	0.000	63.86	0.000
63.34	0.000	63.87	0.000
63.35	0.000	63.88	0.000
63.36	0.000	63.89	0.000
63.37	0.000	63.90	0.000
63.38	0.000	63.91	0.000
63.39	0.000	63.92	0.000
63.40	0.000	63.93	0.000
63.41	0.000	63.94	0.000
63.42	0.000	63.95	0.000
63.43	0.000	63.96	0.000
63.44	0.000	63.97	0.000
63.45	0.000	63.98	0.000
63.46	0.000	63.99	0.000
63.47	0.000		
63.48	0.000		
63.49	0.000		
63.50	0.000		
63.51	0.000		

Summary for Pond 101P: DMH 59

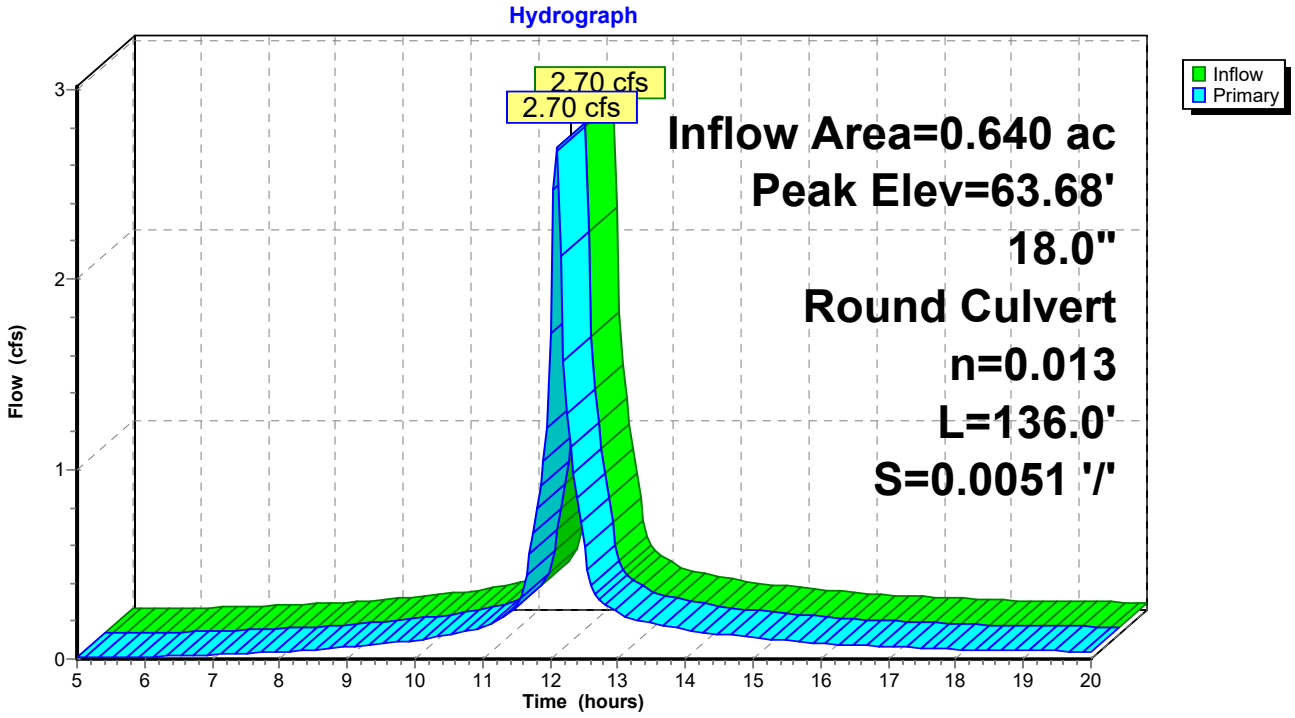
Inflow Area = 0.640 ac, 71.12% Impervious, Inflow Depth > 3.63" for 10-Year event
Inflow = 2.70 cfs @ 12.09 hrs, Volume= 0.193 af
Outflow = 2.70 cfs @ 12.09 hrs, Volume= 0.193 af, Atten= 0%, Lag= 0.0 min
Primary = 2.70 cfs @ 12.09 hrs, Volume= 0.193 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.68' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.79'	**18.0" Round Culvert** L= 136.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.79' / 62.10' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.63 cfs @ 12.09 hrs HW=63.67' (Free Discharge)
1=Culvert (Barrel Controls 2.63 cfs @ 3.53 fps)

Pond 101P: DMH 59



Stage-Area-Storage for Pond 101P: DMH 59

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.79	**0.000**	63.32	0.000	63.85	0.000
62.80	0.000	63.33	0.000	63.86	0.000
62.81	0.000	63.34	0.000	63.87	0.000
62.82	0.000	63.35	0.000	63.88	0.000
62.83	0.000	63.36	0.000	63.89	0.000
62.84	0.000	63.37	0.000	63.90	0.000
62.85	0.000	63.38	0.000	63.91	0.000
62.86	0.000	63.39	0.000	63.92	0.000
62.87	0.000	63.40	0.000	63.93	0.000
62.88	0.000	63.41	0.000	63.94	0.000
62.89	0.000	63.42	0.000	63.95	0.000
62.90	0.000	63.43	0.000	63.96	0.000
62.91	0.000	63.44	0.000	63.97	0.000
62.92	0.000	63.45	0.000	63.98	0.000
62.93	0.000	63.46	0.000	63.99	0.000
62.94	0.000	63.47	0.000	64.00	0.000
62.95	0.000	63.48	0.000	64.01	0.000
62.96	0.000	63.49	0.000	64.02	0.000
62.97	0.000	63.50	0.000	64.03	0.000
62.98	0.000	63.51	0.000	64.04	0.000
62.99	0.000	63.52	0.000	64.05	0.000
63.00	0.000	63.53	0.000	64.06	0.000
63.01	0.000	63.54	0.000	64.07	0.000
63.02	0.000	63.55	0.000	64.08	0.000
63.03	0.000	63.56	0.000	64.09	0.000
63.04	0.000	63.57	0.000	64.10	0.000
63.05	0.000	63.58	0.000	64.11	0.000
63.06	0.000	63.59	0.000	64.12	0.000
63.07	0.000	63.60	0.000	64.13	0.000
63.08	0.000	63.61	0.000	64.14	0.000
63.09	0.000	63.62	0.000	64.15	0.000
63.10	0.000	63.63	0.000	64.16	0.000
63.11	0.000	63.64	0.000	64.17	0.000
63.12	0.000	63.65	0.000	64.18	0.000
63.13	0.000	63.66	0.000	64.19	0.000
63.14	0.000	63.67	0.000	64.20	0.000
63.15	0.000	63.68	0.000	64.21	0.000
63.16	0.000	63.69	0.000	64.22	0.000
63.17	0.000	63.70	0.000	64.23	0.000
63.18	0.000	63.71	0.000	64.24	0.000
63.19	0.000	63.72	0.000	64.25	0.000
63.20	0.000	63.73	0.000	64.26	0.000
63.21	0.000	63.74	0.000	64.27	0.000
63.22	0.000	63.75	0.000	64.28	0.000
63.23	0.000	63.76	0.000	64.29	0.000
63.24	0.000	63.77	0.000		
63.25	0.000	63.78	0.000		
63.26	0.000	63.79	0.000		
63.27	0.000	63.80	0.000		
63.28	0.000	63.81	0.000		
63.29	0.000	63.82	0.000		
63.30	0.000	63.83	0.000		
63.31	0.000	63.84	0.000		

Summary for Pond 102P: CB 93

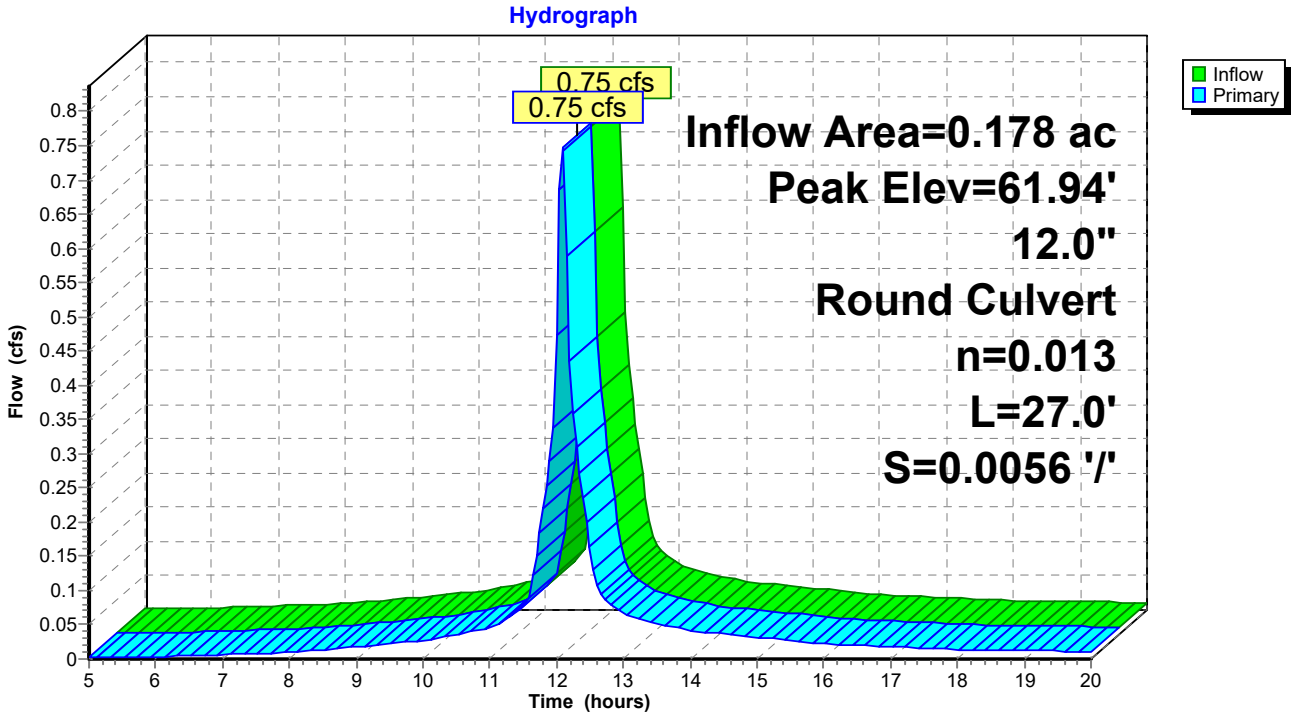
Inflow Area = 0.178 ac, 69.60% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 0.75 cfs @ 12.09 hrs, Volume= 0.054 af
Outflow = 0.75 cfs @ 12.09 hrs, Volume= 0.054 af, Atten= 0%, Lag= 0.0 min
Primary = 0.75 cfs @ 12.09 hrs, Volume= 0.054 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.94' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.25' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.09 hrs HW=61.93' (Free Discharge)
1=Culvert (Barrel Controls 0.73 cfs @ 2.49 fps)

Pond 102P: CB 93



Stage-Area-Storage for Pond 102P: CB 93

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000		
61.89	0.000		
61.90	0.000		
61.91	0.000		
61.92	0.000		

Summary for Pond 103P: CB 92

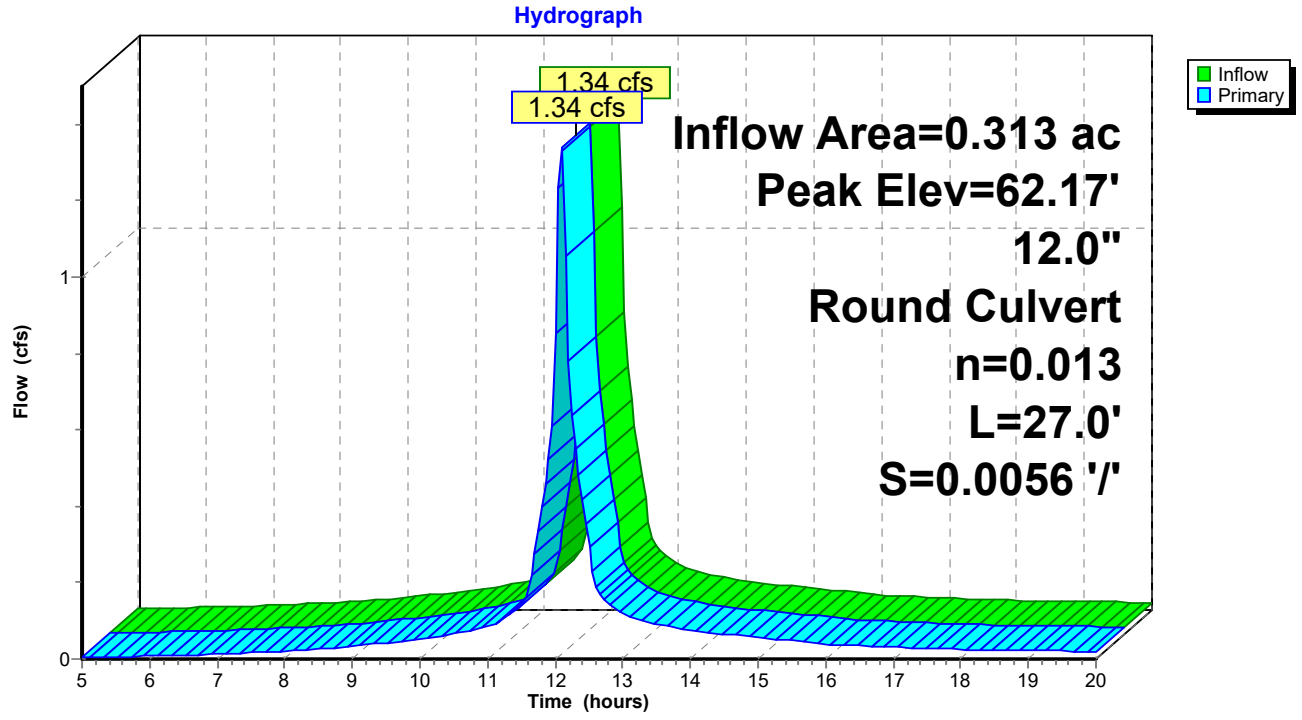
Inflow Area = 0.313 ac, 76.83% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 1.34 cfs @ 12.09 hrs, Volume= 0.097 af
Outflow = 1.34 cfs @ 12.09 hrs, Volume= 0.097 af, Atten= 0%, Lag= 0.0 min
Primary = 1.34 cfs @ 12.09 hrs, Volume= 0.097 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.17' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.25' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.31 cfs @ 12.09 hrs HW=62.15' (Free Discharge)
1=Culvert (Barrel Controls 1.31 cfs @ 2.86 fps)

Pond 103P: CB 92



Stage-Area-Storage for Pond 103P: CB 92

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000		
61.89	0.000		
61.90	0.000		
61.91	0.000		
61.92	0.000		

Summary for Pond 104P: CB 83

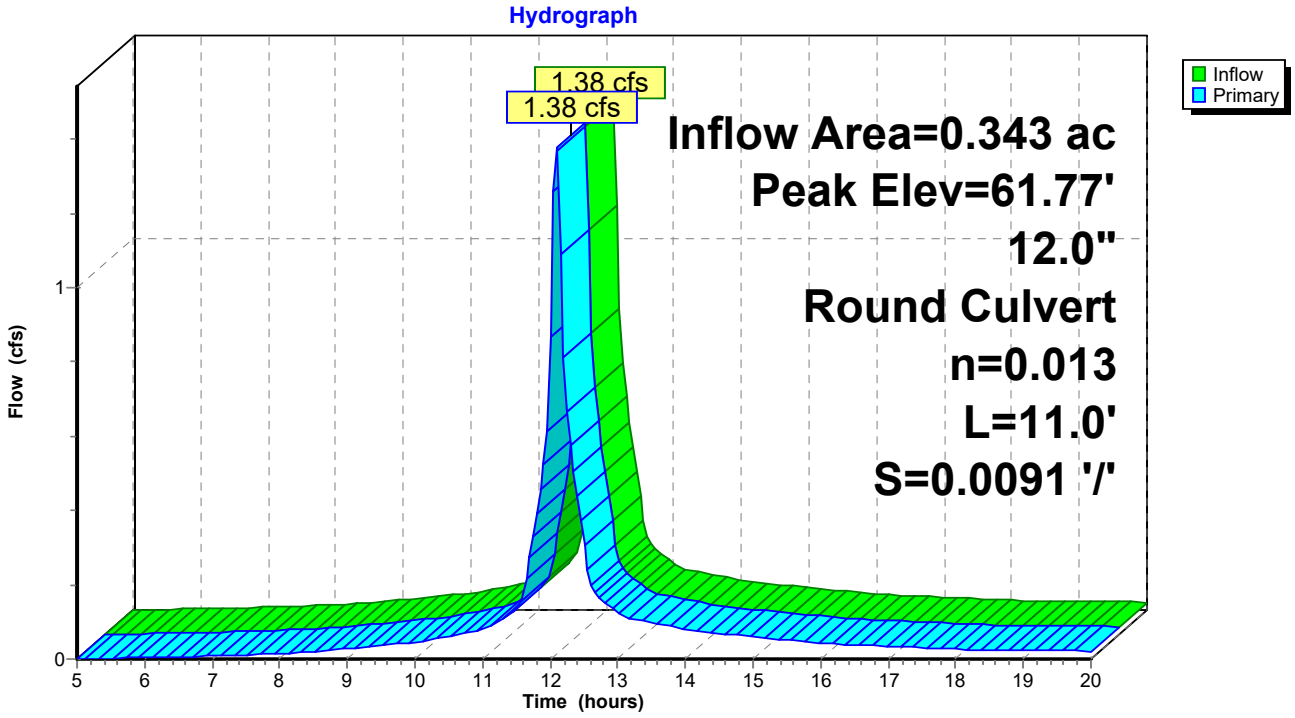
Inflow Area = 0.343 ac, 64.21% Impervious, Inflow Depth > 3.41" for 10-Year event
Inflow = 1.38 cfs @ 12.09 hrs, Volume= 0.097 af
Outflow = 1.38 cfs @ 12.09 hrs, Volume= 0.097 af, Atten= 0%, Lag= 0.0 min
Primary = 1.38 cfs @ 12.09 hrs, Volume= 0.097 af
Routed to Pond 106P : DMH 60

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.35 cfs @ 12.09 hrs HW=61.76' (Free Discharge)
1=Culvert (Barrel Controls 1.35 cfs @ 2.91 fps)

Pond 104P: CB 83



Stage-Area-Storage for Pond 104P: CB 83

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000		
61.49	0.000		
61.50	0.000		
61.51	0.000		
61.52	0.000		

Summary for Pond 105P: CB 82

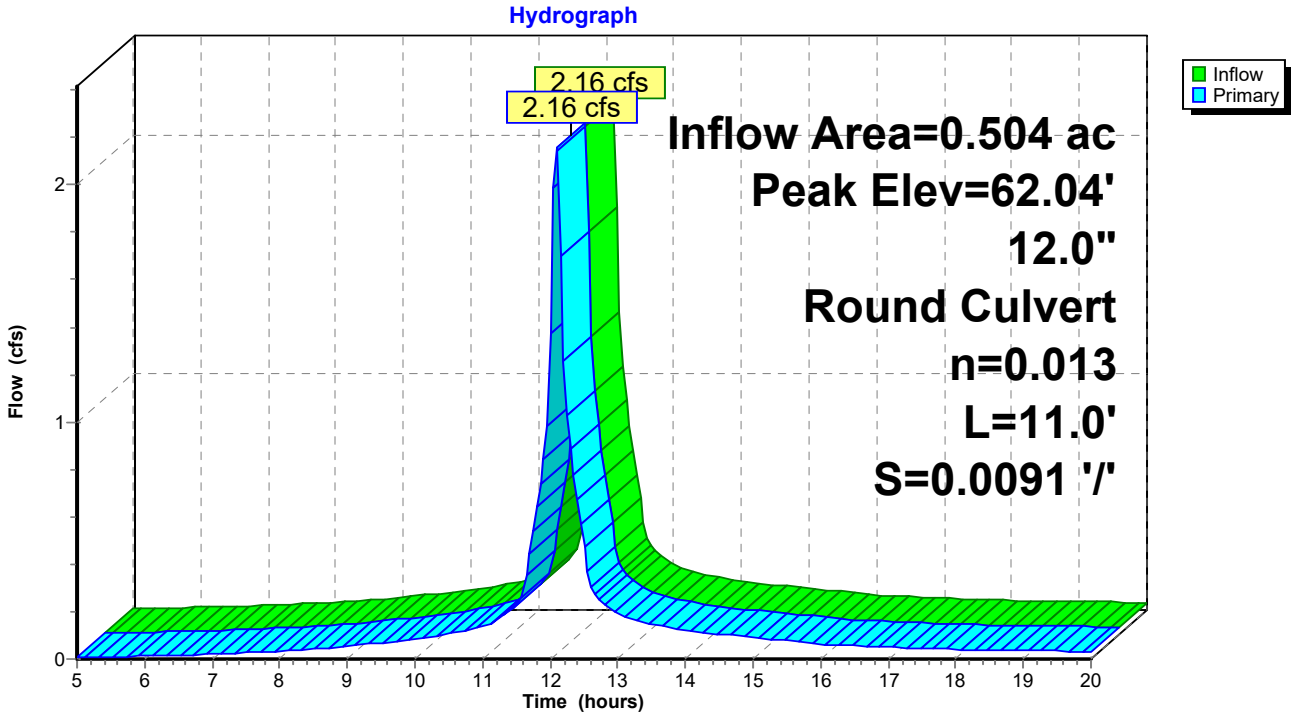
Inflow Area = 0.504 ac, 74.80% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 2.16 cfs @ 12.09 hrs, Volume= 0.156 af
Outflow = 2.16 cfs @ 12.09 hrs, Volume= 0.156 af, Atten= 0%, Lag= 0.0 min
Primary = 2.16 cfs @ 12.09 hrs, Volume= 0.156 af
Routed to Pond 106P : DMH 60

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.04' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.10 cfs @ 12.09 hrs HW=62.02' (Free Discharge)
1=Culvert (Barrel Controls 2.10 cfs @ 3.25 fps)

Pond 105P: CB 82



Stage-Area-Storage for Pond 105P: CB 82

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000		

Summary for Pond 106P: DMH 60

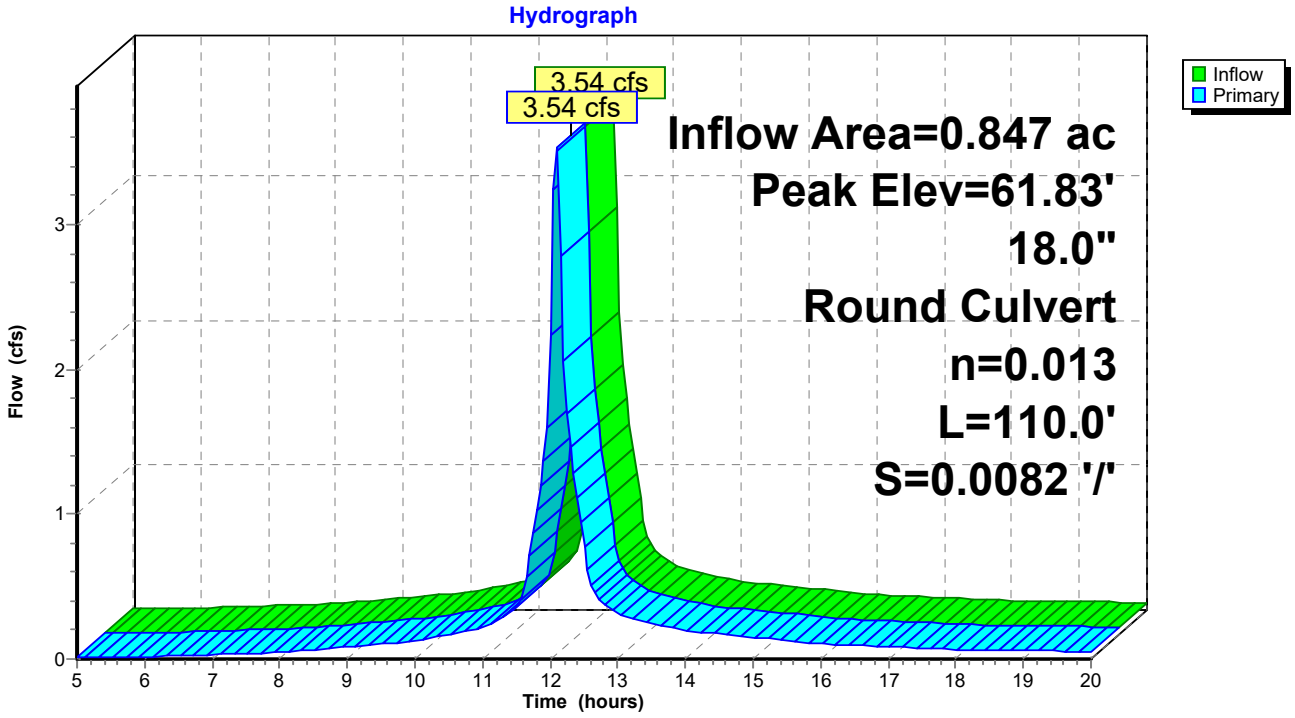
Inflow Area = 0.847 ac, 70.52% Impervious, Inflow Depth > 3.59" for 10-Year event
Inflow = 3.54 cfs @ 12.09 hrs, Volume= 0.253 af
Outflow = 3.54 cfs @ 12.09 hrs, Volume= 0.253 af, Atten= 0%, Lag= 0.0 min
Primary = 3.54 cfs @ 12.09 hrs, Volume= 0.253 af
Routed to Pond 98P : DMH 61

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.83' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**18.0" Round Culvert** L= 110.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 59.90' S= 0.0082 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.45 cfs @ 12.09 hrs HW=61.82' (Free Discharge)
1=Culvert (Inlet Controls 3.45 cfs @ 2.71 fps)

Pond 106P: DMH 60



Stage-Area-Storage for Pond 106P: DMH 60

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.33	0.000	61.86	0.000
60.81	0.000	61.34	0.000	61.87	0.000
60.82	0.000	61.35	0.000	61.88	0.000
60.83	0.000	61.36	0.000	61.89	0.000
60.84	0.000	61.37	0.000	61.90	0.000
60.85	0.000	61.38	0.000	61.91	0.000
60.86	0.000	61.39	0.000	61.92	0.000
60.87	0.000	61.40	0.000	61.93	0.000
60.88	0.000	61.41	0.000	61.94	0.000
60.89	0.000	61.42	0.000	61.95	0.000
60.90	0.000	61.43	0.000	61.96	0.000
60.91	0.000	61.44	0.000	61.97	0.000
60.92	0.000	61.45	0.000	61.98	0.000
60.93	0.000	61.46	0.000	61.99	0.000
60.94	0.000	61.47	0.000	62.00	0.000
60.95	0.000	61.48	0.000	62.01	0.000
60.96	0.000	61.49	0.000	62.02	0.000
60.97	0.000	61.50	0.000	62.03	0.000
60.98	0.000	61.51	0.000	62.04	0.000
60.99	0.000	61.52	0.000	62.05	0.000
61.00	0.000	61.53	0.000	62.06	0.000
61.01	0.000	61.54	0.000	62.07	0.000
61.02	0.000	61.55	0.000	62.08	0.000
61.03	0.000	61.56	0.000	62.09	0.000
61.04	0.000	61.57	0.000	62.10	0.000
61.05	0.000	61.58	0.000	62.11	0.000
61.06	0.000	61.59	0.000	62.12	0.000
61.07	0.000	61.60	0.000	62.13	0.000
61.08	0.000	61.61	0.000	62.14	0.000
61.09	0.000	61.62	0.000	62.15	0.000
61.10	0.000	61.63	0.000	62.16	0.000
61.11	0.000	61.64	0.000	62.17	0.000
61.12	0.000	61.65	0.000	62.18	0.000
61.13	0.000	61.66	0.000	62.19	0.000
61.14	0.000	61.67	0.000	62.20	0.000
61.15	0.000	61.68	0.000	62.21	0.000
61.16	0.000	61.69	0.000	62.22	0.000
61.17	0.000	61.70	0.000	62.23	0.000
61.18	0.000	61.71	0.000	62.24	0.000
61.19	0.000	61.72	0.000	62.25	0.000
61.20	0.000	61.73	0.000	62.26	0.000
61.21	0.000	61.74	0.000	62.27	0.000
61.22	0.000	61.75	0.000	62.28	0.000
61.23	0.000	61.76	0.000	62.29	0.000
61.24	0.000	61.77	0.000	62.30	0.000
61.25	0.000	61.78	0.000		
61.26	0.000	61.79	0.000		
61.27	0.000	61.80	0.000		
61.28	0.000	61.81	0.000		
61.29	0.000	61.82	0.000		
61.30	0.000	61.83	0.000		
61.31	0.000	61.84	0.000		
61.32	0.000	61.85	0.000		

Summary for Pond 107P: CB

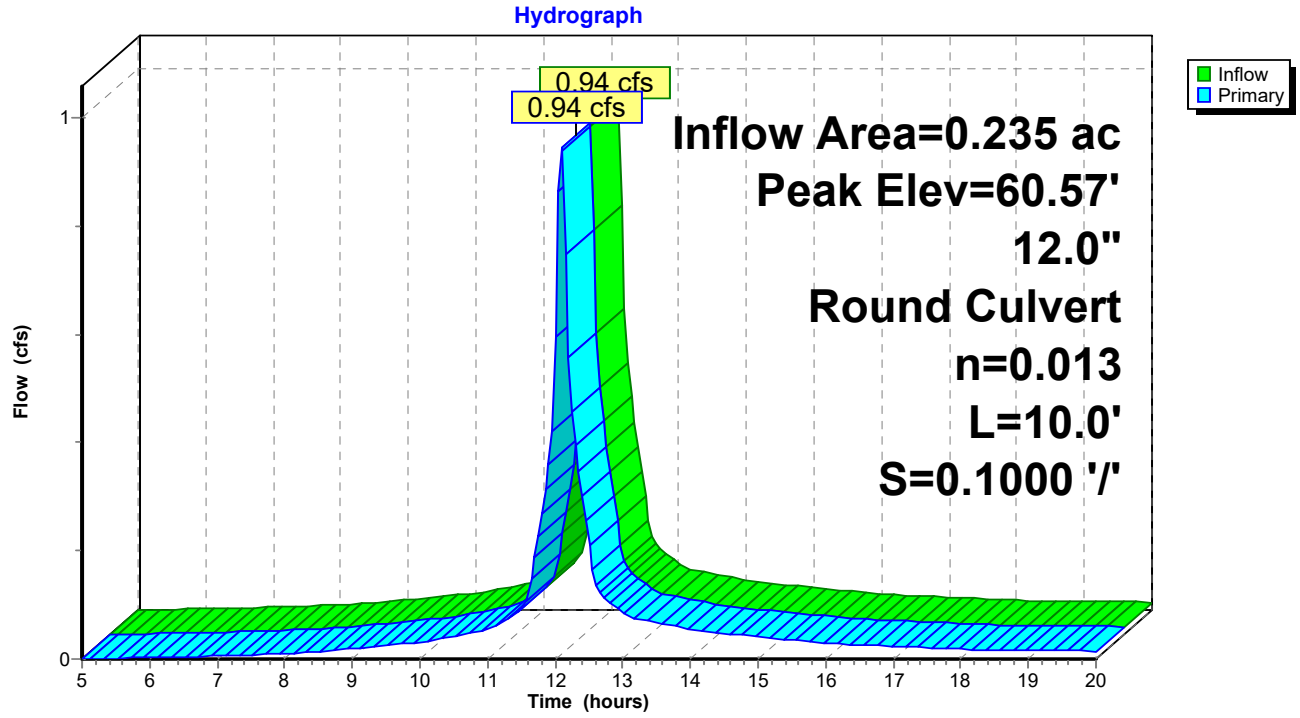
Inflow Area = 0.235 ac, 64.37% Impervious, Inflow Depth > 3.41" for 10-Year event
Inflow = 0.94 cfs @ 12.09 hrs, Volume= 0.067 af
Outflow = 0.94 cfs @ 12.09 hrs, Volume= 0.067 af, Atten= 0%, Lag= 0.0 min
Primary = 0.94 cfs @ 12.09 hrs, Volume= 0.067 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.57' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.00' S= 0.1000 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.92 cfs @ 12.09 hrs HW=60.56' (Free Discharge)
1=Culvert (Inlet Controls 0.92 cfs @ 2.02 fps)

Pond 107P: CB



Stage-Area-Storage for Pond 107P: CB

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 108P: CB 88

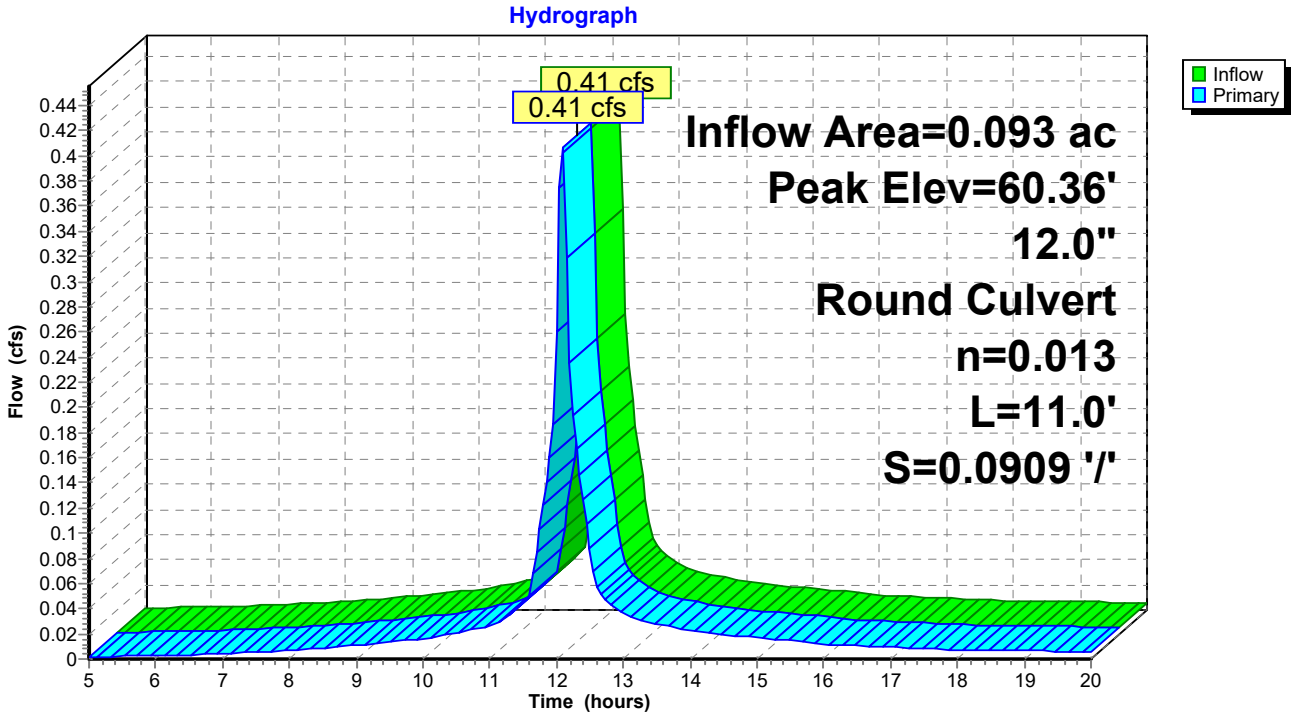
Inflow Area = 0.093 ac, 80.29% Impervious, Inflow Depth > 3.81" for 10-Year event
Inflow = 0.41 cfs @ 12.09 hrs, Volume= 0.030 af
Outflow = 0.41 cfs @ 12.09 hrs, Volume= 0.030 af, Atten= 0%, Lag= 0.0 min
Primary = 0.41 cfs @ 12.09 hrs, Volume= 0.030 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.36' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.00' S= 0.0909 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=60.35' (Free Discharge)
1=Culvert (Inlet Controls 0.40 cfs @ 1.60 fps)

Pond 108P: CB 88



Stage-Area-Storage for Pond 108P: CB 88

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

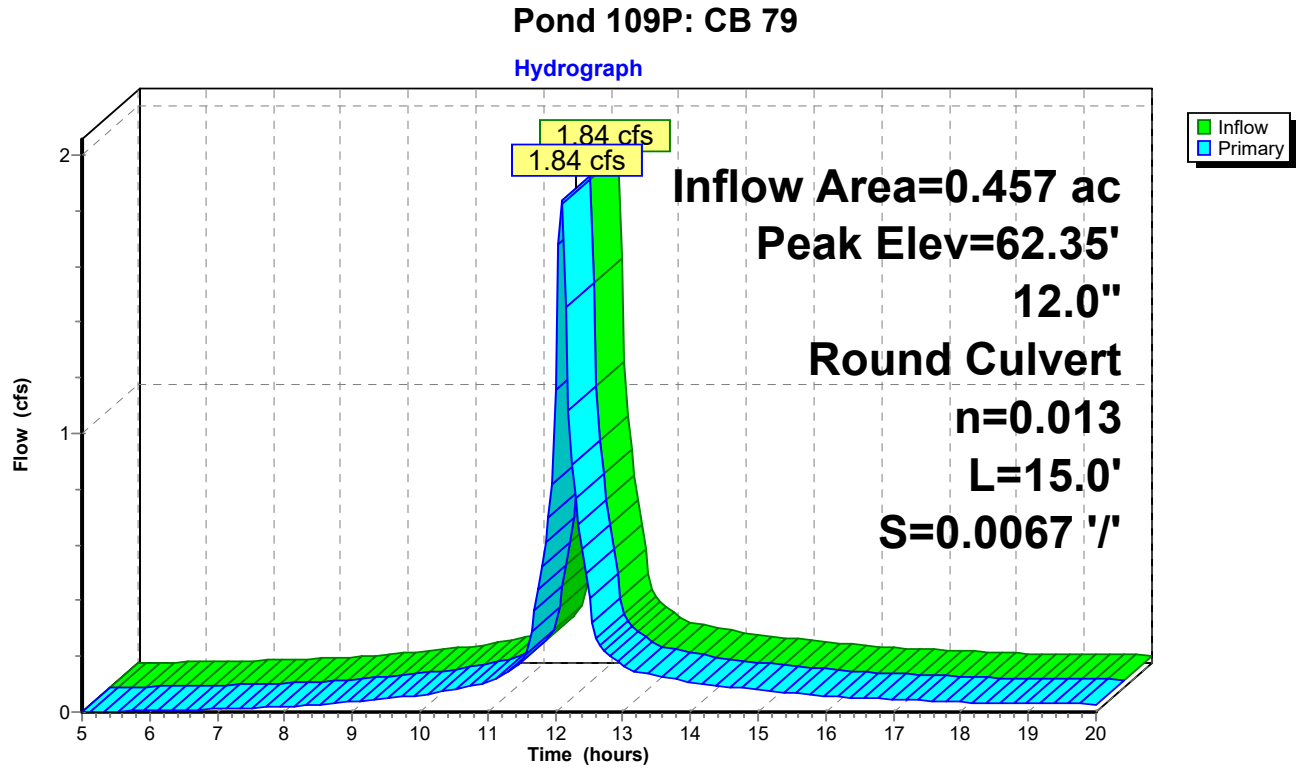
Summary for Pond 109P: CB 79

Inflow Area = 0.457 ac, 64.44% Impervious, Inflow Depth > 3.41" for 10-Year event
Inflow = 1.84 cfs @ 12.09 hrs, Volume= 0.130 af
Outflow = 1.84 cfs @ 12.09 hrs, Volume= 0.130 af, Atten= 0%, Lag= 0.0 min
Primary = 1.84 cfs @ 12.09 hrs, Volume= 0.130 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.35' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.30' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.79 cfs @ 12.09 hrs HW=62.33' (Free Discharge)
1=Culvert (Barrel Controls 1.79 cfs @ 3.07 fps)



Stage-Area-Storage for Pond 109P: CB 79

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000		
61.89	0.000		
61.90	0.000		
61.91	0.000		
61.92	0.000		

Summary for Pond 110P: CB 78

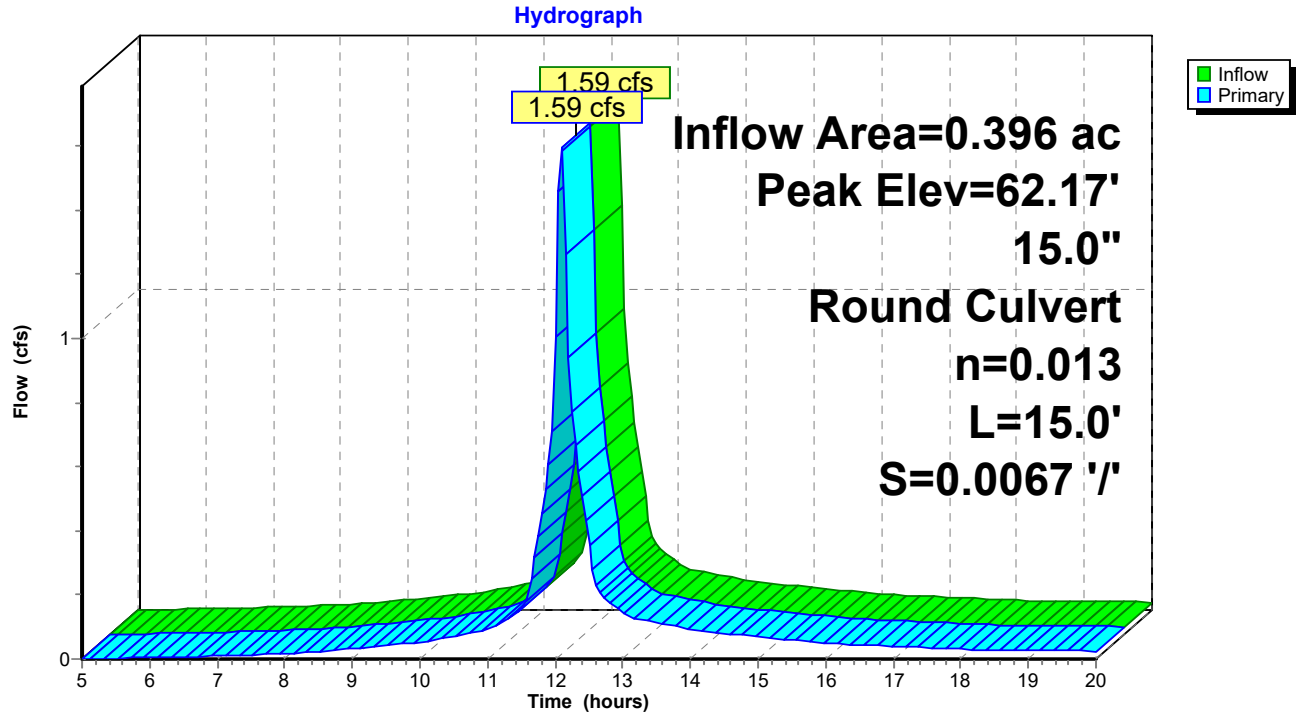
Inflow Area = 0.396 ac, 64.26% Impervious, Inflow Depth > 3.41" for 10-Year event
Inflow = 1.59 cfs @ 12.09 hrs, Volume= 0.112 af
Outflow = 1.59 cfs @ 12.09 hrs, Volume= 0.112 af, Atten= 0%, Lag= 0.0 min
Primary = 1.59 cfs @ 12.09 hrs, Volume= 0.112 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.17' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**15.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.30' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.56 cfs @ 12.09 hrs HW=62.16' (Free Discharge)
1=Culvert (Barrel Controls 1.56 cfs @ 2.86 fps)

Pond 110P: CB 78



Stage-Area-Storage for Pond 110P: CB 78

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000	62.46	0.000
61.41	0.000	61.94	0.000	62.47	0.000
61.42	0.000	61.95	0.000	62.48	0.000
61.43	0.000	61.96	0.000	62.49	0.000
61.44	0.000	61.97	0.000	62.50	0.000
61.45	0.000	61.98	0.000	62.51	0.000
61.46	0.000	61.99	0.000	62.52	0.000
61.47	0.000	62.00	0.000	62.53	0.000
61.48	0.000	62.01	0.000	62.54	0.000
61.49	0.000	62.02	0.000	62.55	0.000
61.50	0.000	62.03	0.000	62.56	0.000
61.51	0.000	62.04	0.000	62.57	0.000
61.52	0.000	62.05	0.000	62.58	0.000
61.53	0.000	62.06	0.000	62.59	0.000
61.54	0.000	62.07	0.000	62.60	0.000
61.55	0.000	62.08	0.000	62.61	0.000
61.56	0.000	62.09	0.000	62.62	0.000
61.57	0.000	62.10	0.000	62.63	0.000
61.58	0.000	62.11	0.000	62.64	0.000
61.59	0.000	62.12	0.000	62.65	0.000
61.60	0.000	62.13	0.000		
61.61	0.000	62.14	0.000		
61.62	0.000	62.15	0.000		
61.63	0.000	62.16	0.000		
61.64	0.000	62.17	0.000		
61.65	0.000	62.18	0.000		
61.66	0.000	62.19	0.000		
61.67	0.000	62.20	0.000		
61.68	0.000	62.21	0.000		
61.69	0.000	62.22	0.000		
61.70	0.000	62.23	0.000		
61.71	0.000	62.24	0.000		
61.72	0.000	62.25	0.000		
61.73	0.000	62.26	0.000		
61.74	0.000	62.27	0.000		
61.75	0.000	62.28	0.000		
61.76	0.000	62.29	0.000		
61.77	0.000	62.30	0.000		
61.78	0.000	62.31	0.000		
61.79	0.000	62.32	0.000		
61.80	0.000	62.33	0.000		
61.81	0.000	62.34	0.000		
61.82	0.000	62.35	0.000		
61.83	0.000	62.36	0.000		
61.84	0.000	62.37	0.000		
61.85	0.000	62.38	0.000		
61.86	0.000	62.39	0.000		
61.87	0.000	62.40	0.000		
61.88	0.000	62.41	0.000		
61.89	0.000	62.42	0.000		
61.90	0.000	62.43	0.000		
61.91	0.000	62.44	0.000		
61.92	0.000	62.45	0.000		

Summary for Pond 111P: DMH 57

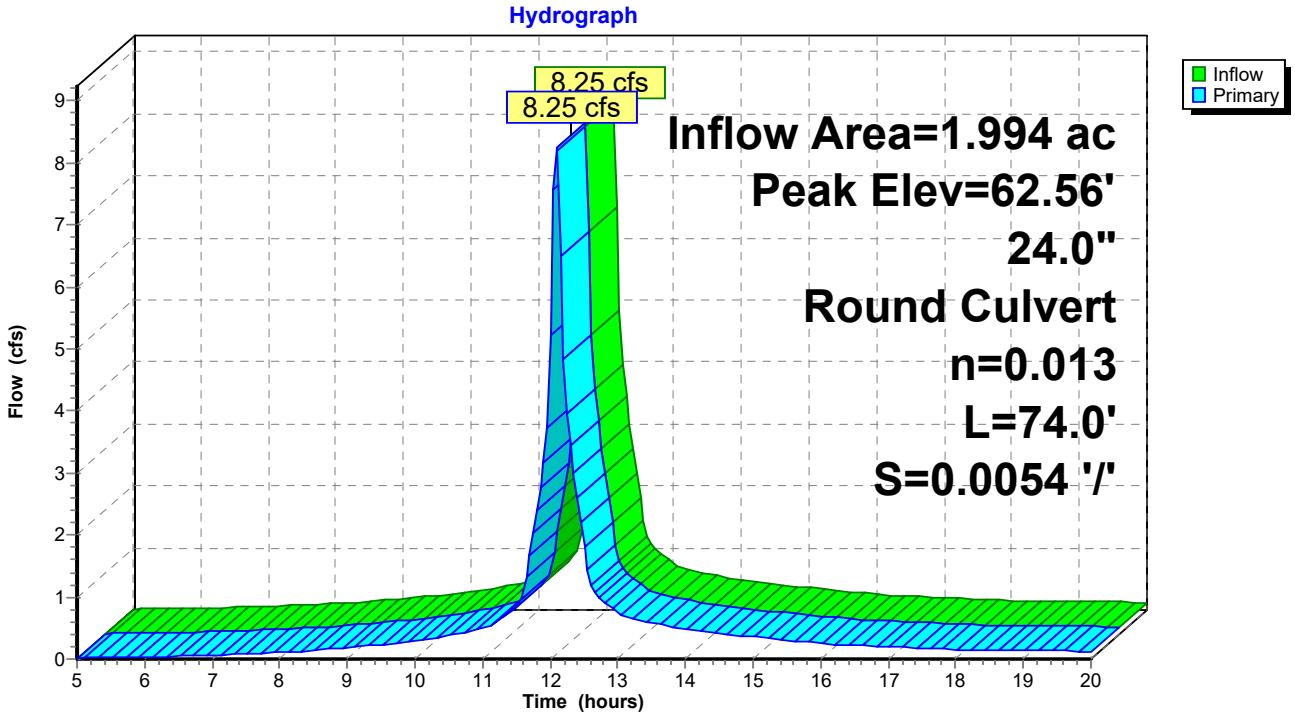
Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 3.54" for 10-Year event
Inflow = 8.25 cfs @ 12.09 hrs, Volume= 0.588 af
Outflow = 8.25 cfs @ 12.09 hrs, Volume= 0.588 af, Atten= 0%, Lag= 0.0 min
Primary = 8.25 cfs @ 12.09 hrs, Volume= 0.588 af
Routed to Pond 208P : DMH 58

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.56' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**24.0" Round Culvert** L= 74.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.60' S= 0.0054 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.04 cfs @ 12.09 hrs HW=62.53' (Free Discharge)
1=Culvert (Barrel Controls 8.04 cfs @ 4.30 fps)

Pond 111P: DMH 57



Stage-Area-Storage for Pond 111P: DMH 57

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	62.06	0.000
61.02	0.000	62.08	0.000
61.04	0.000	62.10	0.000
61.06	0.000	62.12	0.000
61.08	0.000	62.14	0.000
61.10	0.000	62.16	0.000
61.12	0.000	62.18	0.000
61.14	0.000	62.20	0.000
61.16	0.000	62.22	0.000
61.18	0.000	62.24	0.000
61.20	0.000	62.26	0.000
61.22	0.000	62.28	0.000
61.24	0.000	62.30	0.000
61.26	0.000	62.32	0.000
61.28	0.000	62.34	0.000
61.30	0.000	62.36	0.000
61.32	0.000	62.38	0.000
61.34	0.000	62.40	0.000
61.36	0.000	62.42	0.000
61.38	0.000	62.44	0.000
61.40	0.000	62.46	0.000
61.42	0.000	62.48	0.000
61.44	0.000	62.50	0.000
61.46	0.000	62.52	0.000
61.48	0.000	62.54	0.000
61.50	0.000	62.56	0.000
61.52	0.000	62.58	0.000
61.54	0.000	62.60	0.000
61.56	0.000	62.62	0.000
61.58	0.000	62.64	0.000
61.60	0.000	62.66	0.000
61.62	0.000	62.68	0.000
61.64	0.000	62.70	0.000
61.66	0.000	62.72	0.000
61.68	0.000	62.74	0.000
61.70	0.000	62.76	0.000
61.72	0.000	62.78	0.000
61.74	0.000	62.80	0.000
61.76	0.000	62.82	0.000
61.78	0.000	62.84	0.000
61.80	0.000	62.86	0.000
61.82	0.000	62.88	0.000
61.84	0.000	62.90	0.000
61.86	0.000	62.92	0.000
61.88	0.000	62.94	0.000
61.90	0.000	62.96	0.000
61.92	0.000	62.98	0.000
61.94	0.000	63.00	0.000
61.96	0.000		
61.98	0.000		
62.00	0.000		
62.02	0.000		
62.04	0.000		

Summary for Pond 112P: CB 45

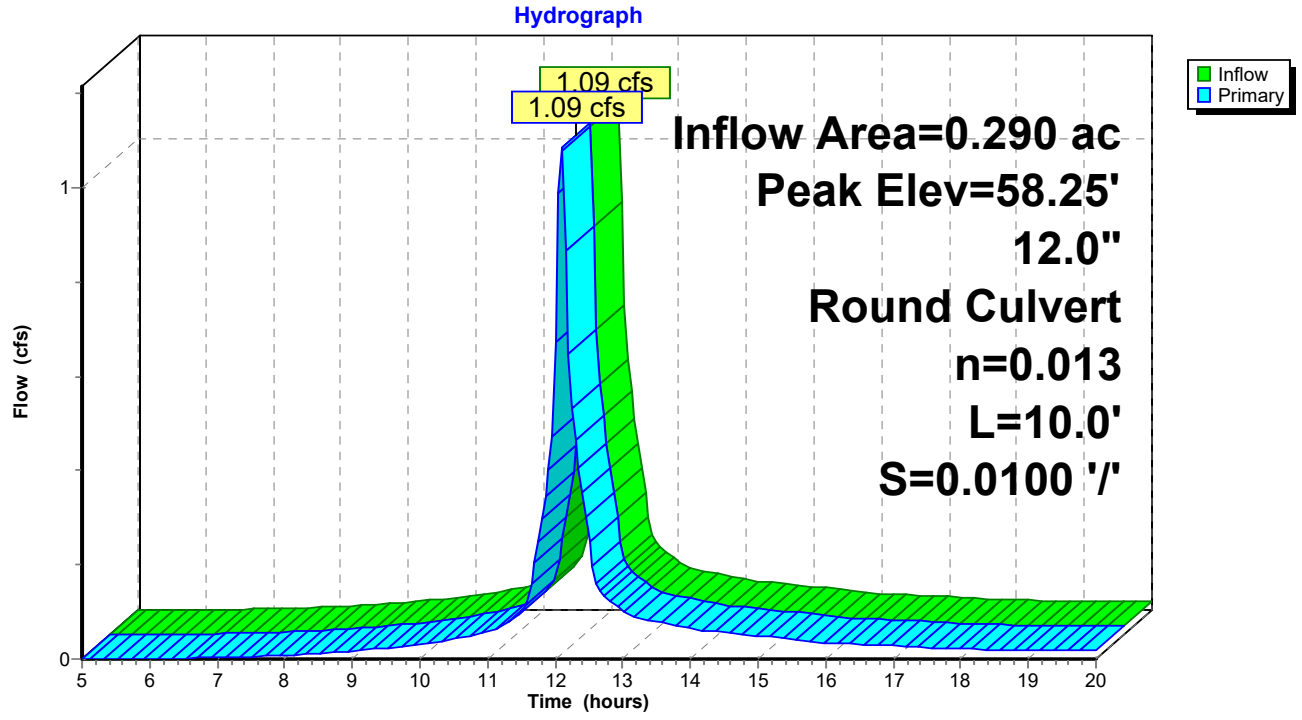
Inflow Area = 0.290 ac, 58.56% Impervious, Inflow Depth > 3.11" for 10-Year event
Inflow = 1.09 cfs @ 12.09 hrs, Volume= 0.075 af
Outflow = 1.09 cfs @ 12.09 hrs, Volume= 0.075 af, Atten= 0%, Lag= 0.0 min
Primary = 1.09 cfs @ 12.09 hrs, Volume= 0.075 af
Routed to Pond 123P : DMH 31

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.25' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.59'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.59' / 57.49' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.06 cfs @ 12.09 hrs HW=58.25' (Free Discharge)
1=Culvert (Barrel Controls 1.06 cfs @ 2.77 fps)

Pond 112P: CB 45



Stage-Area-Storage for Pond 112P: CB 45

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.59	**0.000**	58.12	0.000
57.60	0.000	58.13	0.000
57.61	0.000	58.14	0.000
57.62	0.000	58.15	0.000
57.63	0.000	58.16	0.000
57.64	0.000	58.17	0.000
57.65	0.000	58.18	0.000
57.66	0.000	58.19	0.000
57.67	0.000	58.20	0.000
57.68	0.000	58.21	0.000
57.69	0.000	58.22	0.000
57.70	0.000	58.23	0.000
57.71	0.000	58.24	0.000
57.72	0.000	58.25	0.000
57.73	0.000	58.26	0.000
57.74	0.000	58.27	0.000
57.75	0.000	58.28	0.000
57.76	0.000	58.29	0.000
57.77	0.000	58.30	0.000
57.78	0.000	58.31	0.000
57.79	0.000	58.32	0.000
57.80	0.000	58.33	0.000
57.81	0.000	58.34	0.000
57.82	0.000	58.35	0.000
57.83	0.000	58.36	0.000
57.84	0.000	58.37	0.000
57.85	0.000	58.38	0.000
57.86	0.000	58.39	0.000
57.87	0.000	58.40	0.000
57.88	0.000	58.41	0.000
57.89	0.000	58.42	0.000
57.90	0.000	58.43	0.000
57.91	0.000	58.44	0.000
57.92	0.000	58.45	0.000
57.93	0.000	58.46	0.000
57.94	0.000	58.47	0.000
57.95	0.000	58.48	0.000
57.96	0.000	58.49	0.000
57.97	0.000	58.50	0.000
57.98	0.000	58.51	0.000
57.99	0.000	58.52	0.000
58.00	0.000	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000		
58.08	0.000		
58.09	0.000		
58.10	0.000		
58.11	0.000		

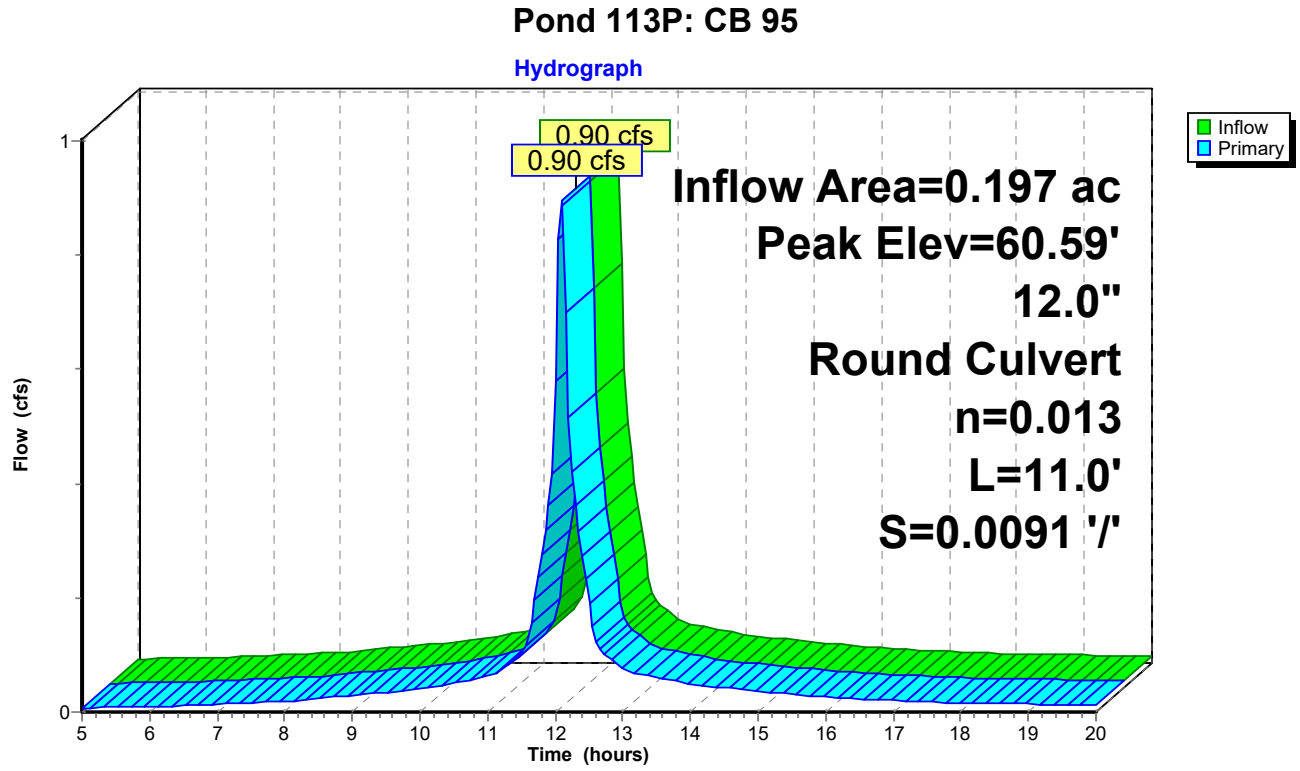
Summary for Pond 113P: CB 95

Inflow Area = 0.197 ac, 91.64% Impervious, Inflow Depth > 4.10" for 10-Year event
Inflow = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af
Outflow = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af, Atten= 0%, Lag= 0.0 min
Primary = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af
Routed to Pond 118P : DMH 70

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.59' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.87 cfs @ 12.09 hrs HW=60.58' (Free Discharge)
1=Culvert (Barrel Controls 0.87 cfs @ 2.63 fps)



Stage-Area-Storage for Pond 113P: CB 95

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

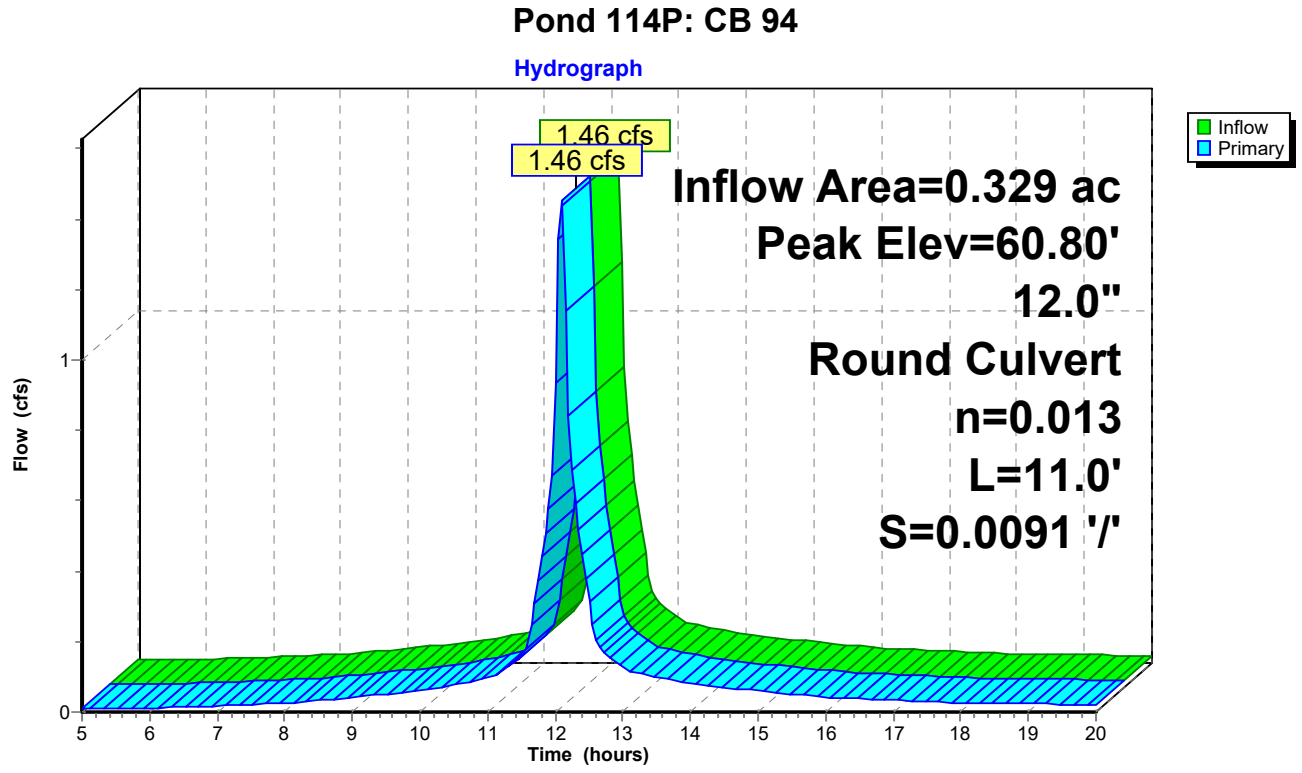
Summary for Pond 114P: CB 94

Inflow Area = 0.329 ac, 82.49% Impervious, Inflow Depth > 3.91" for 10-Year event
Inflow = 1.46 cfs @ 12.09 hrs, Volume= 0.107 af
Outflow = 1.46 cfs @ 12.09 hrs, Volume= 0.107 af, Atten= 0%, Lag= 0.0 min
Primary = 1.46 cfs @ 12.09 hrs, Volume= 0.107 af
Routed to Pond 118P : DMH 70

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.80' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.42 cfs @ 12.09 hrs HW=60.79' (Free Discharge)
1=Culvert (Barrel Controls 1.42 cfs @ 2.94 fps)



Stage-Area-Storage for Pond 114P: CB 94

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

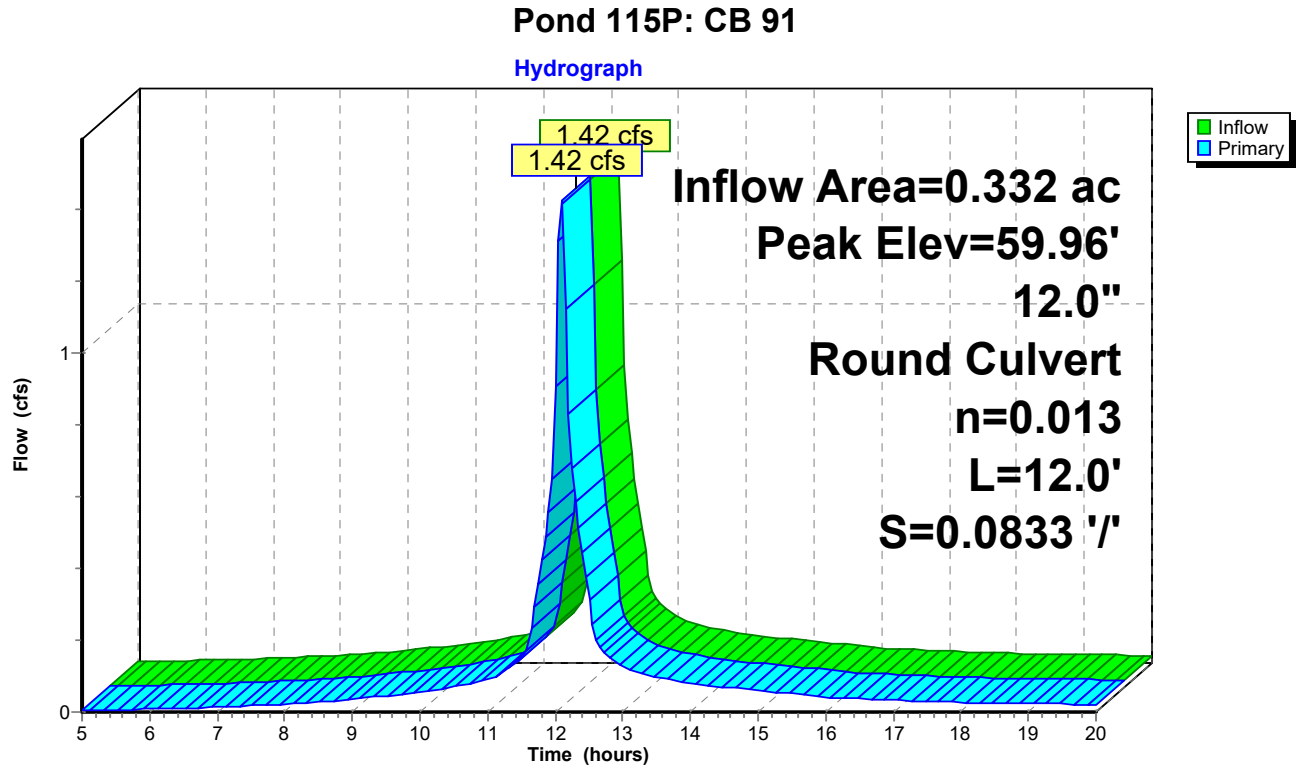
Summary for Pond 115P: CB 91

Inflow Area = 0.332 ac, 76.35% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 1.42 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 1.42 cfs @ 12.09 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.42 cfs @ 12.09 hrs, Volume= 0.103 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.23'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.23' / 58.23' S= 0.0833 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.38 cfs @ 12.09 hrs HW=59.95' (Free Discharge)
1=Culvert (Inlet Controls 1.38 cfs @ 2.28 fps)



Stage-Area-Storage for Pond 115P: CB 91

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.23	**0.000**	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000	59.91	0.000
59.39	0.000	59.92	0.000
59.40	0.000	59.93	0.000
59.41	0.000	59.94	0.000
59.42	0.000	59.95	0.000
59.43	0.000	59.96	0.000
59.44	0.000	59.97	0.000
59.45	0.000	59.98	0.000
59.46	0.000	59.99	0.000
59.47	0.000	60.00	0.000
59.48	0.000	60.01	0.000
59.49	0.000	60.02	0.000
59.50	0.000	60.03	0.000
59.51	0.000	60.04	0.000
59.52	0.000	60.05	0.000
59.53	0.000	60.06	0.000
59.54	0.000	60.07	0.000
59.55	0.000	60.08	0.000
59.56	0.000	60.09	0.000
59.57	0.000	60.10	0.000
59.58	0.000	60.11	0.000
59.59	0.000	60.12	0.000
59.60	0.000	60.13	0.000
59.61	0.000	60.14	0.000
59.62	0.000	60.15	0.000
59.63	0.000	60.16	0.000
59.64	0.000	60.17	0.000
59.65	0.000	60.18	0.000
59.66	0.000	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000		
59.72	0.000		
59.73	0.000		
59.74	0.000		
59.75	0.000		

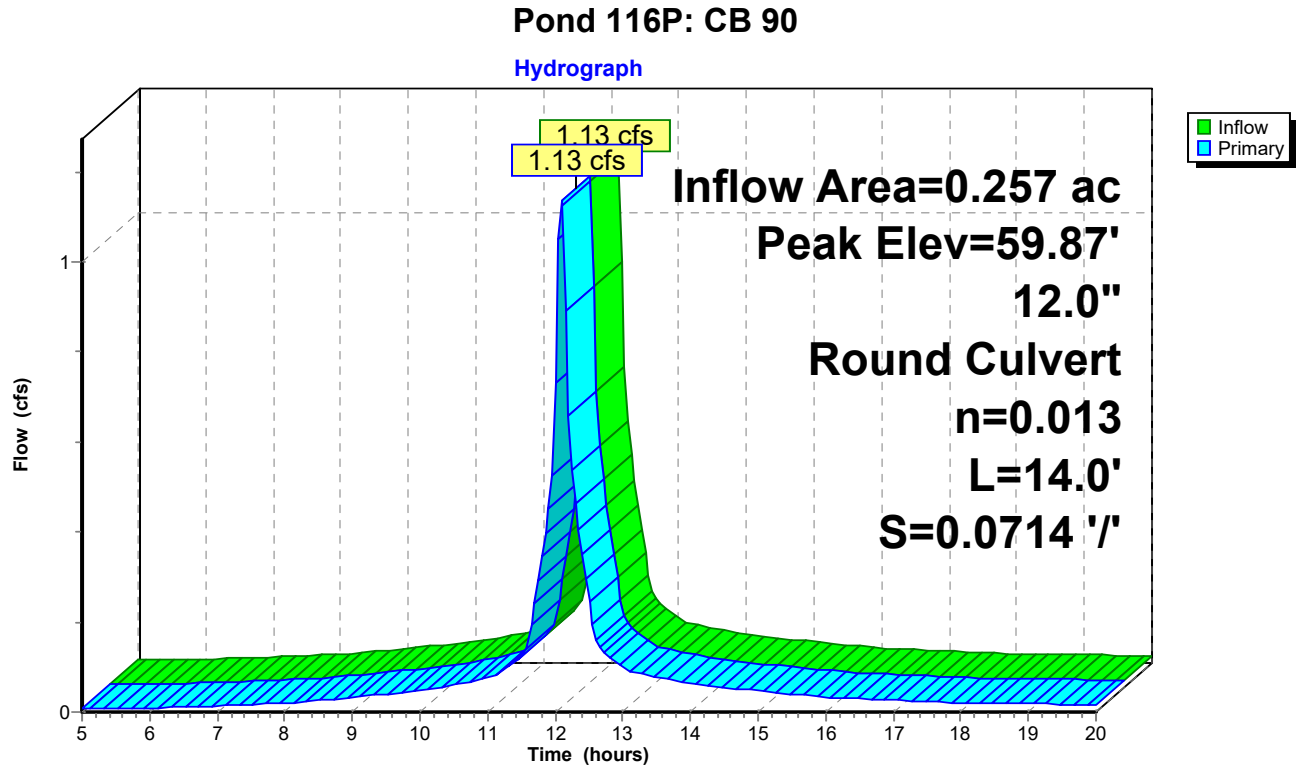
Summary for Pond 116P: CB 90

Inflow Area = 0.257 ac, 83.40% Impervious, Inflow Depth > 3.91" for 10-Year event
Inflow = 1.13 cfs @ 12.09 hrs, Volume= 0.084 af
Outflow = 1.13 cfs @ 12.09 hrs, Volume= 0.084 af, Atten= 0%, Lag= 0.0 min
Primary = 1.13 cfs @ 12.09 hrs, Volume= 0.084 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.87' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.23'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.23' / 58.23' S= 0.0714 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.10 cfs @ 12.09 hrs HW=59.86' (Free Discharge)
1=Culvert (Inlet Controls 1.10 cfs @ 2.13 fps)



Stage-Area-Storage for Pond 116P: CB 90

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.23	**0.000**	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000	59.91	0.000
59.39	0.000	59.92	0.000
59.40	0.000	59.93	0.000
59.41	0.000	59.94	0.000
59.42	0.000	59.95	0.000
59.43	0.000	59.96	0.000
59.44	0.000	59.97	0.000
59.45	0.000	59.98	0.000
59.46	0.000	59.99	0.000
59.47	0.000	60.00	0.000
59.48	0.000	60.01	0.000
59.49	0.000	60.02	0.000
59.50	0.000	60.03	0.000
59.51	0.000	60.04	0.000
59.52	0.000	60.05	0.000
59.53	0.000	60.06	0.000
59.54	0.000	60.07	0.000
59.55	0.000	60.08	0.000
59.56	0.000	60.09	0.000
59.57	0.000	60.10	0.000
59.58	0.000	60.11	0.000
59.59	0.000	60.12	0.000
59.60	0.000	60.13	0.000
59.61	0.000	60.14	0.000
59.62	0.000	60.15	0.000
59.63	0.000	60.16	0.000
59.64	0.000	60.17	0.000
59.65	0.000	60.18	0.000
59.66	0.000	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000		
59.72	0.000		
59.73	0.000		
59.74	0.000		
59.75	0.000		

Summary for Pond 117P: DMH 69

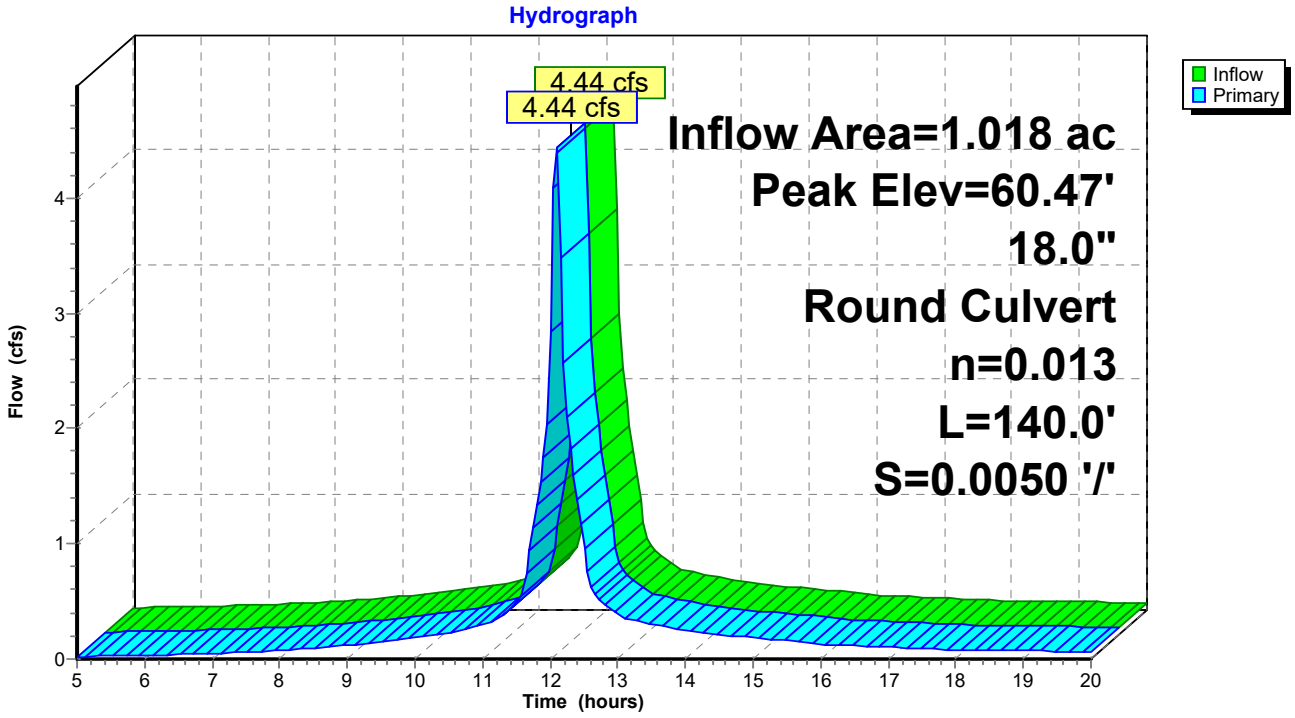
Inflow Area = 1.018 ac, 80.27% Impervious, Inflow Depth > 3.83" for 10-Year event
Inflow = 4.44 cfs @ 12.09 hrs, Volume= 0.325 af
Outflow = 4.44 cfs @ 12.09 hrs, Volume= 0.325 af, Atten= 0%, Lag= 0.0 min
Primary = 4.44 cfs @ 12.09 hrs, Volume= 0.325 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.47' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.26'	**18.0" Round Culvert** L= 140.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.26' / 58.56' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.32 cfs @ 12.09 hrs HW=60.45' (Free Discharge)
1=Culvert (Barrel Controls 4.32 cfs @ 3.94 fps)

Pond 117P: DMH 69



Stage-Area-Storage for Pond 117P: DMH 69

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.26	**0.000**	59.79	0.000	60.32	0.000
59.27	0.000	59.80	0.000	60.33	0.000
59.28	0.000	59.81	0.000	60.34	0.000
59.29	0.000	59.82	0.000	60.35	0.000
59.30	0.000	59.83	0.000	60.36	0.000
59.31	0.000	59.84	0.000	60.37	0.000
59.32	0.000	59.85	0.000	60.38	0.000
59.33	0.000	59.86	0.000	60.39	0.000
59.34	0.000	59.87	0.000	60.40	0.000
59.35	0.000	59.88	0.000	60.41	0.000
59.36	0.000	59.89	0.000	60.42	0.000
59.37	0.000	59.90	0.000	60.43	0.000
59.38	0.000	59.91	0.000	60.44	0.000
59.39	0.000	59.92	0.000	60.45	0.000
59.40	0.000	59.93	0.000	60.46	0.000
59.41	0.000	59.94	0.000	60.47	0.000
59.42	0.000	59.95	0.000	60.48	0.000
59.43	0.000	59.96	0.000	60.49	0.000
59.44	0.000	59.97	0.000	60.50	0.000
59.45	0.000	59.98	0.000	60.51	0.000
59.46	0.000	59.99	0.000	60.52	0.000
59.47	0.000	60.00	0.000	60.53	0.000
59.48	0.000	60.01	0.000	60.54	0.000
59.49	0.000	60.02	0.000	60.55	0.000
59.50	0.000	60.03	0.000	60.56	0.000
59.51	0.000	60.04	0.000	60.57	0.000
59.52	0.000	60.05	0.000	60.58	0.000
59.53	0.000	60.06	0.000	60.59	0.000
59.54	0.000	60.07	0.000	60.60	0.000
59.55	0.000	60.08	0.000	60.61	0.000
59.56	0.000	60.09	0.000	60.62	0.000
59.57	0.000	60.10	0.000	60.63	0.000
59.58	0.000	60.11	0.000	60.64	0.000
59.59	0.000	60.12	0.000	60.65	0.000
59.60	0.000	60.13	0.000	60.66	0.000
59.61	0.000	60.14	0.000	60.67	0.000
59.62	0.000	60.15	0.000	60.68	0.000
59.63	0.000	60.16	0.000	60.69	0.000
59.64	0.000	60.17	0.000	60.70	0.000
59.65	0.000	60.18	0.000	60.71	0.000
59.66	0.000	60.19	0.000	60.72	0.000
59.67	0.000	60.20	0.000	60.73	0.000
59.68	0.000	60.21	0.000	60.74	0.000
59.69	0.000	60.22	0.000	60.75	0.000
59.70	0.000	60.23	0.000	60.76	0.000
59.71	0.000	60.24	0.000		
59.72	0.000	60.25	0.000		
59.73	0.000	60.26	0.000		
59.74	0.000	60.27	0.000		
59.75	0.000	60.28	0.000		
59.76	0.000	60.29	0.000		
59.77	0.000	60.30	0.000		
59.78	0.000	60.31	0.000		

Summary for Pond 118P: DMH 70

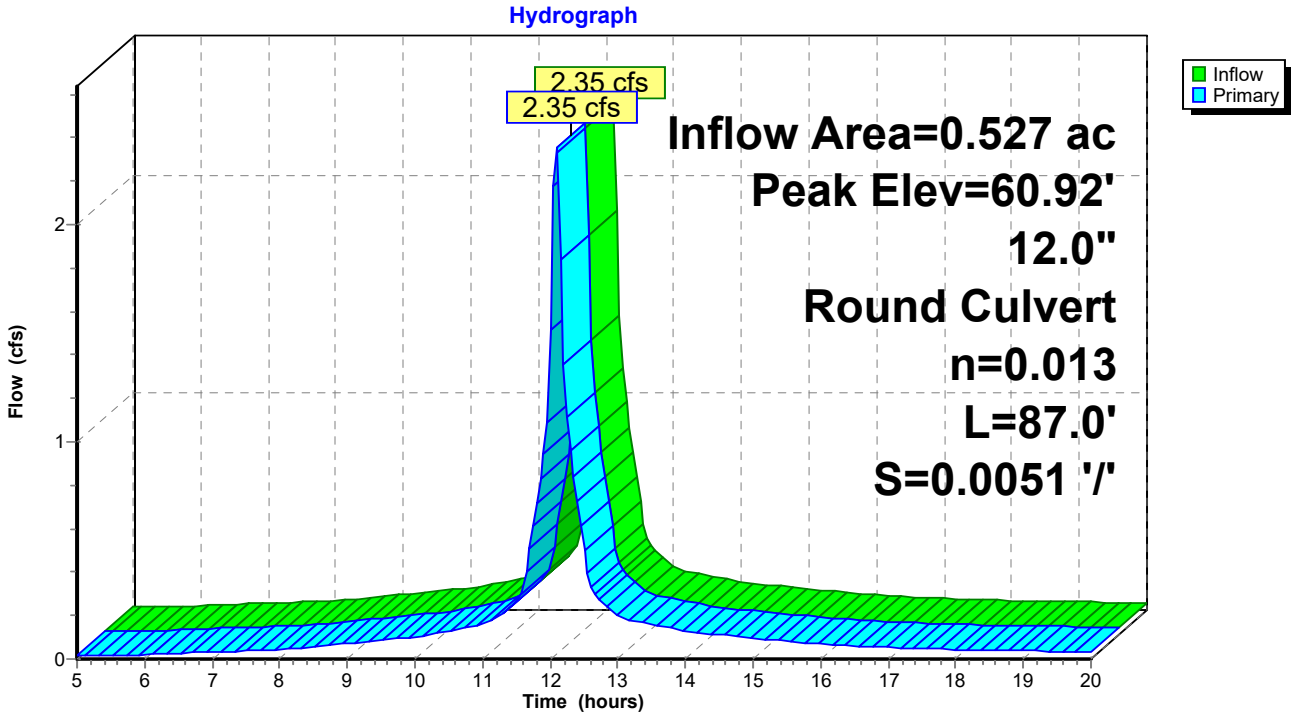
Inflow Area = 0.527 ac, 85.92% Impervious, Inflow Depth > 3.98" for 10-Year event
Inflow = 2.35 cfs @ 12.09 hrs, Volume= 0.175 af
Outflow = 2.35 cfs @ 12.09 hrs, Volume= 0.175 af, Atten= 0%, Lag= 0.0 min
Primary = 2.35 cfs @ 12.09 hrs, Volume= 0.175 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.80'	**12.0" Round Culvert** L= 87.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.80' / 59.36' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.29 cfs @ 12.09 hrs HW=60.89' (Free Discharge)
1=Culvert (Inlet Controls 2.29 cfs @ 2.92 fps)

Pond 118P: DMH 70



Stage-Area-Storage for Pond 118P: DMH 70

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.80	**0.000**	60.33	0.000	60.86	0.000
59.81	0.000	60.34	0.000	60.87	0.000
59.82	0.000	60.35	0.000	60.88	0.000
59.83	0.000	60.36	0.000	60.89	0.000
59.84	0.000	60.37	0.000	60.90	0.000
59.85	0.000	60.38	0.000	60.91	0.000
59.86	0.000	60.39	0.000		
59.87	0.000	60.40	0.000		
59.88	0.000	60.41	0.000		
59.89	0.000	60.42	0.000		
59.90	0.000	60.43	0.000		
59.91	0.000	60.44	0.000		
59.92	0.000	60.45	0.000		
59.93	0.000	60.46	0.000		
59.94	0.000	60.47	0.000		
59.95	0.000	60.48	0.000		
59.96	0.000	60.49	0.000		
59.97	0.000	60.50	0.000		
59.98	0.000	60.51	0.000		
59.99	0.000	60.52	0.000		
60.00	0.000	60.53	0.000		
60.01	0.000	60.54	0.000		
60.02	0.000	60.55	0.000		
60.03	0.000	60.56	0.000		
60.04	0.000	60.57	0.000		
60.05	0.000	60.58	0.000		
60.06	0.000	60.59	0.000		
60.07	0.000	60.60	0.000		
60.08	0.000	60.61	0.000		
60.09	0.000	60.62	0.000		
60.10	0.000	60.63	0.000		
60.11	0.000	60.64	0.000		
60.12	0.000	60.65	0.000		
60.13	0.000	60.66	0.000		
60.14	0.000	60.67	0.000		
60.15	0.000	60.68	0.000		
60.16	0.000	60.69	0.000		
60.17	0.000	60.70	0.000		
60.18	0.000	60.71	0.000		
60.19	0.000	60.72	0.000		
60.20	0.000	60.73	0.000		
60.21	0.000	60.74	0.000		
60.22	0.000	60.75	0.000		
60.23	0.000	60.76	0.000		
60.24	0.000	60.77	0.000		
60.25	0.000	60.78	0.000		
60.26	0.000	60.79	0.000		
60.27	0.000	60.80	0.000		
60.28	0.000	60.81	0.000		
60.29	0.000	60.82	0.000		
60.30	0.000	60.83	0.000		
60.31	0.000	60.84	0.000		
60.32	0.000	60.85	0.000		

Summary for Pond 119P: DMH 66

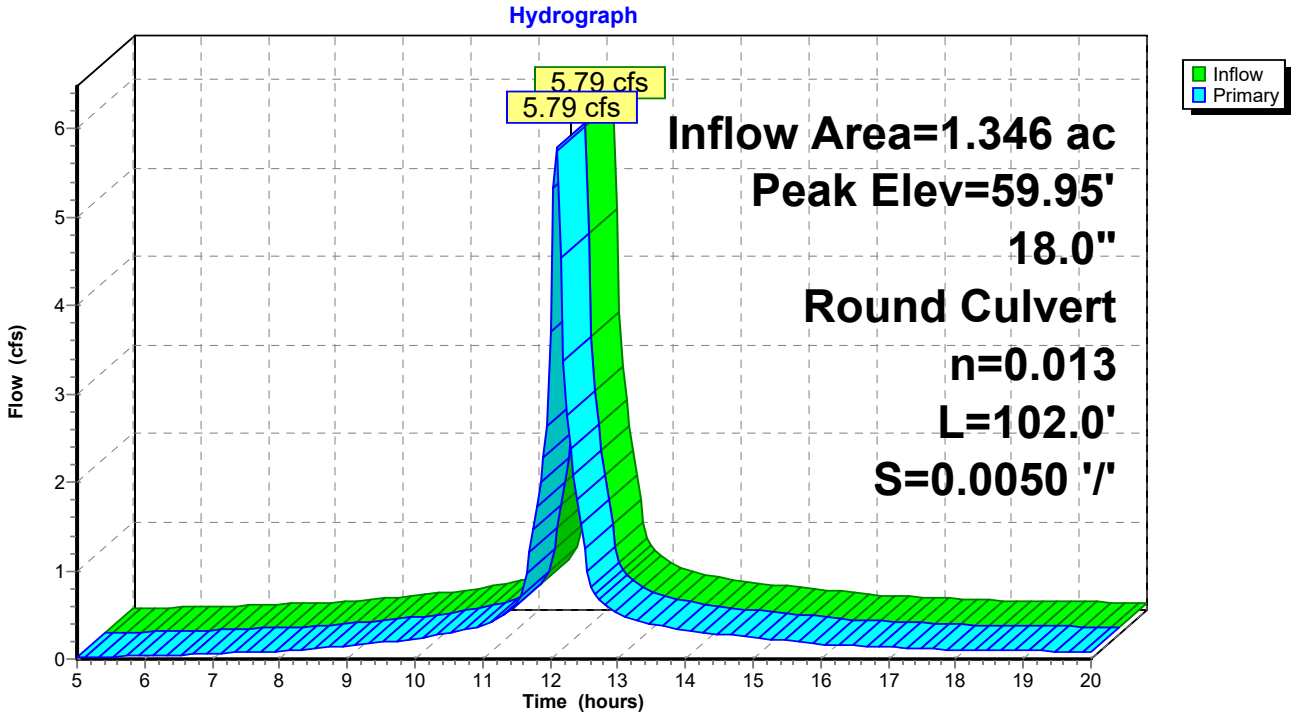
Inflow Area = 1.346 ac, 77.50% Impervious, Inflow Depth > 3.76" for 10-Year event
Inflow = 5.79 cfs @ 12.09 hrs, Volume= 0.421 af
Outflow = 5.79 cfs @ 12.09 hrs, Volume= 0.421 af, Atten= 0%, Lag= 0.0 min
Primary = 5.79 cfs @ 12.09 hrs, Volume= 0.421 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.95' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.46'	**18.0" Round Culvert** L= 102.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.46' / 57.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.64 cfs @ 12.09 hrs HW=59.92' (Free Discharge)
1=Culvert (Barrel Controls 5.64 cfs @ 4.09 fps)

Pond 119P: DMH 66



Stage-Area-Storage for Pond 119P: DMH 66

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.46	**0.000**	58.99	0.000	59.52	0.000
58.47	0.000	59.00	0.000	59.53	0.000
58.48	0.000	59.01	0.000	59.54	0.000
58.49	0.000	59.02	0.000	59.55	0.000
58.50	0.000	59.03	0.000	59.56	0.000
58.51	0.000	59.04	0.000	59.57	0.000
58.52	0.000	59.05	0.000	59.58	0.000
58.53	0.000	59.06	0.000	59.59	0.000
58.54	0.000	59.07	0.000	59.60	0.000
58.55	0.000	59.08	0.000	59.61	0.000
58.56	0.000	59.09	0.000	59.62	0.000
58.57	0.000	59.10	0.000	59.63	0.000
58.58	0.000	59.11	0.000	59.64	0.000
58.59	0.000	59.12	0.000	59.65	0.000
58.60	0.000	59.13	0.000	59.66	0.000
58.61	0.000	59.14	0.000	59.67	0.000
58.62	0.000	59.15	0.000	59.68	0.000
58.63	0.000	59.16	0.000	59.69	0.000
58.64	0.000	59.17	0.000	59.70	0.000
58.65	0.000	59.18	0.000	59.71	0.000
58.66	0.000	59.19	0.000	59.72	0.000
58.67	0.000	59.20	0.000	59.73	0.000
58.68	0.000	59.21	0.000	59.74	0.000
58.69	0.000	59.22	0.000	59.75	0.000
58.70	0.000	59.23	0.000	59.76	0.000
58.71	0.000	59.24	0.000	59.77	0.000
58.72	0.000	59.25	0.000	59.78	0.000
58.73	0.000	59.26	0.000	59.79	0.000
58.74	0.000	59.27	0.000	59.80	0.000
58.75	0.000	59.28	0.000	59.81	0.000
58.76	0.000	59.29	0.000	59.82	0.000
58.77	0.000	59.30	0.000	59.83	0.000
58.78	0.000	59.31	0.000	59.84	0.000
58.79	0.000	59.32	0.000	59.85	0.000
58.80	0.000	59.33	0.000	59.86	0.000
58.81	0.000	59.34	0.000	59.87	0.000
58.82	0.000	59.35	0.000	59.88	0.000
58.83	0.000	59.36	0.000	59.89	0.000
58.84	0.000	59.37	0.000	59.90	0.000
58.85	0.000	59.38	0.000	59.91	0.000
58.86	0.000	59.39	0.000	59.92	0.000
58.87	0.000	59.40	0.000	59.93	0.000
58.88	0.000	59.41	0.000	59.94	0.000
58.89	0.000	59.42	0.000	59.95	0.000
58.90	0.000	59.43	0.000	59.96	0.000
58.91	0.000	59.44	0.000		
58.92	0.000	59.45	0.000		
58.93	0.000	59.46	0.000		
58.94	0.000	59.47	0.000		
58.95	0.000	59.48	0.000		
58.96	0.000	59.49	0.000		
58.97	0.000	59.50	0.000		
58.98	0.000	59.51	0.000		

Summary for Pond 120P: DMH 67

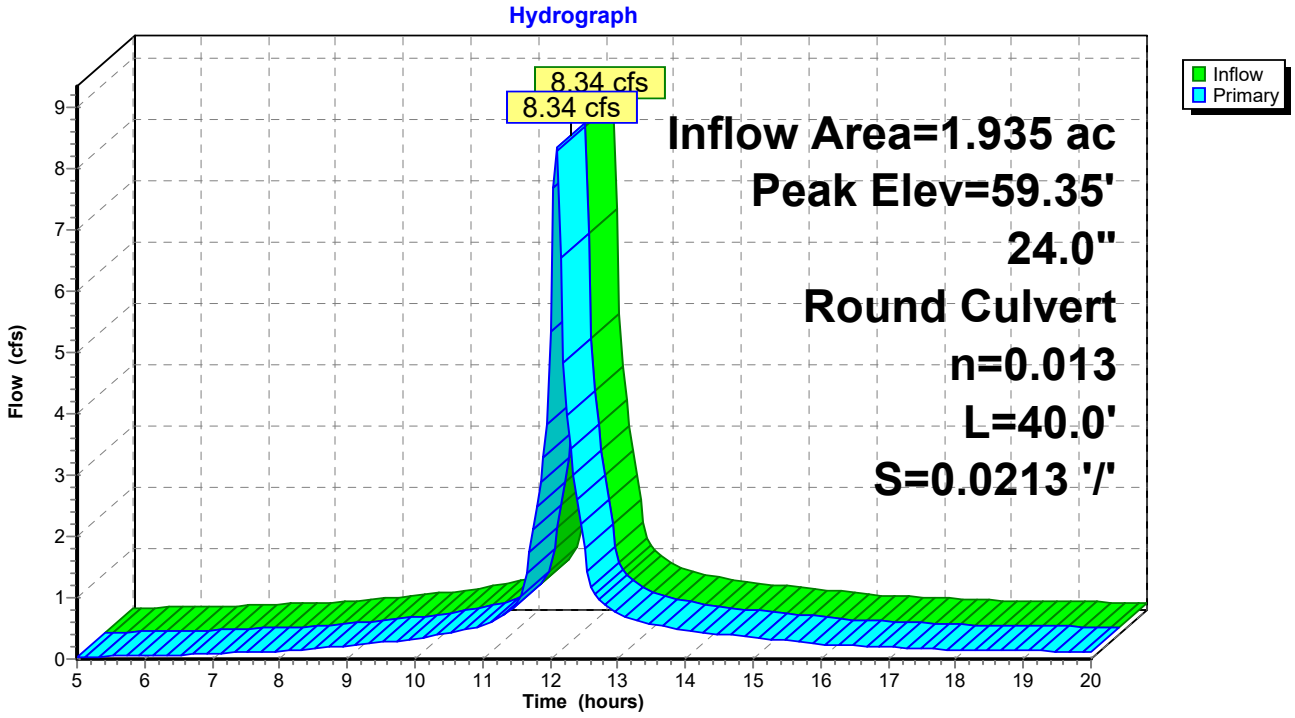
Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 3.77" for 10-Year event
Inflow = 8.34 cfs @ 12.09 hrs, Volume= 0.607 af
Outflow = 8.34 cfs @ 12.09 hrs, Volume= 0.607 af, Atten= 0%, Lag= 0.0 min
Primary = 8.34 cfs @ 12.09 hrs, Volume= 0.607 af
Routed to Pond 210P : DMH 68

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.35' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.85'	**24.0" Round Culvert** L= 40.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.85' / 57.00' S= 0.0213 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.13 cfs @ 12.09 hrs HW=59.33' (Free Discharge)
1=Culvert (Inlet Controls 8.13 cfs @ 3.27 fps)

Pond 120P: DMH 67



Stage-Area-Storage for Pond 120P: DMH 67

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.85	**0.000**	58.91	0.000
57.87	0.000	58.93	0.000
57.89	0.000	58.95	0.000
57.91	0.000	58.97	0.000
57.93	0.000	58.99	0.000
57.95	0.000	59.01	0.000
57.97	0.000	59.03	0.000
57.99	0.000	59.05	0.000
58.01	0.000	59.07	0.000
58.03	0.000	59.09	0.000
58.05	0.000	59.11	0.000
58.07	0.000	59.13	0.000
58.09	0.000	59.15	0.000
58.11	0.000	59.17	0.000
58.13	0.000	59.19	0.000
58.15	0.000	59.21	0.000
58.17	0.000	59.23	0.000
58.19	0.000	59.25	0.000
58.21	0.000	59.27	0.000
58.23	0.000	59.29	0.000
58.25	0.000	59.31	0.000
58.27	0.000	59.33	0.000
58.29	0.000	59.35	0.000
58.31	0.000	59.37	0.000
58.33	0.000	59.39	0.000
58.35	0.000	59.41	0.000
58.37	0.000	59.43	0.000
58.39	0.000	59.45	0.000
58.41	0.000	59.47	0.000
58.43	0.000	59.49	0.000
58.45	0.000	59.51	0.000
58.47	0.000	59.53	0.000
58.49	0.000	59.55	0.000
58.51	0.000	59.57	0.000
58.53	0.000	59.59	0.000
58.55	0.000	59.61	0.000
58.57	0.000	59.63	0.000
58.59	0.000	59.65	0.000
58.61	0.000	59.67	0.000
58.63	0.000	59.69	0.000
58.65	0.000	59.71	0.000
58.67	0.000	59.73	0.000
58.69	0.000	59.75	0.000
58.71	0.000	59.77	0.000
58.73	0.000	59.79	0.000
58.75	0.000	59.81	0.000
58.77	0.000	59.83	0.000
58.79	0.000	59.85	0.000
58.81	0.000		
58.83	0.000		
58.85	0.000		
58.87	0.000		
58.89	0.000		

Summary for Pond 122P: CB 46

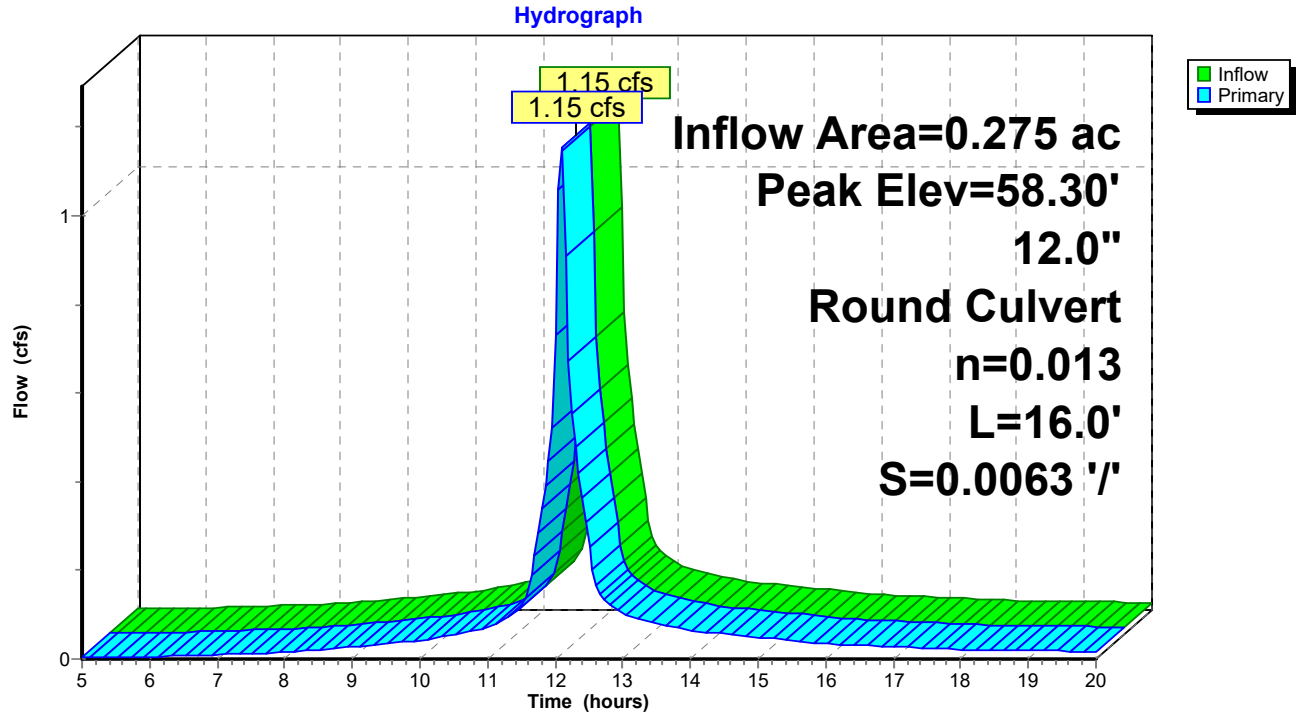
Inflow Area = 0.275 ac, 72.42% Impervious, Inflow Depth > 3.61" for 10-Year event
Inflow = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af
Outflow = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af, Atten= 0%, Lag= 0.0 min
Primary = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af
Routed to Pond 123P : DMH 31

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.59'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.59' / 57.49' S= 0.0063 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.13 cfs @ 12.09 hrs HW=58.29' (Free Discharge)
1=Culvert (Barrel Controls 1.13 cfs @ 2.72 fps)

Pond 122P: CB 46



Stage-Area-Storage for Pond 122P: CB 46

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.59	**0.000**	58.12	0.000
57.60	0.000	58.13	0.000
57.61	0.000	58.14	0.000
57.62	0.000	58.15	0.000
57.63	0.000	58.16	0.000
57.64	0.000	58.17	0.000
57.65	0.000	58.18	0.000
57.66	0.000	58.19	0.000
57.67	0.000	58.20	0.000
57.68	0.000	58.21	0.000
57.69	0.000	58.22	0.000
57.70	0.000	58.23	0.000
57.71	0.000	58.24	0.000
57.72	0.000	58.25	0.000
57.73	0.000	58.26	0.000
57.74	0.000	58.27	0.000
57.75	0.000	58.28	0.000
57.76	0.000	58.29	0.000
57.77	0.000	58.30	0.000
57.78	0.000	58.31	0.000
57.79	0.000	58.32	0.000
57.80	0.000	58.33	0.000
57.81	0.000	58.34	0.000
57.82	0.000	58.35	0.000
57.83	0.000	58.36	0.000
57.84	0.000	58.37	0.000
57.85	0.000	58.38	0.000
57.86	0.000	58.39	0.000
57.87	0.000	58.40	0.000
57.88	0.000	58.41	0.000
57.89	0.000	58.42	0.000
57.90	0.000	58.43	0.000
57.91	0.000	58.44	0.000
57.92	0.000	58.45	0.000
57.93	0.000	58.46	0.000
57.94	0.000	58.47	0.000
57.95	0.000	58.48	0.000
57.96	0.000	58.49	0.000
57.97	0.000	58.50	0.000
57.98	0.000	58.51	0.000
57.99	0.000	58.52	0.000
58.00	0.000	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000		
58.08	0.000		
58.09	0.000		
58.10	0.000		
58.11	0.000		

Summary for Pond 123P: DMH 31

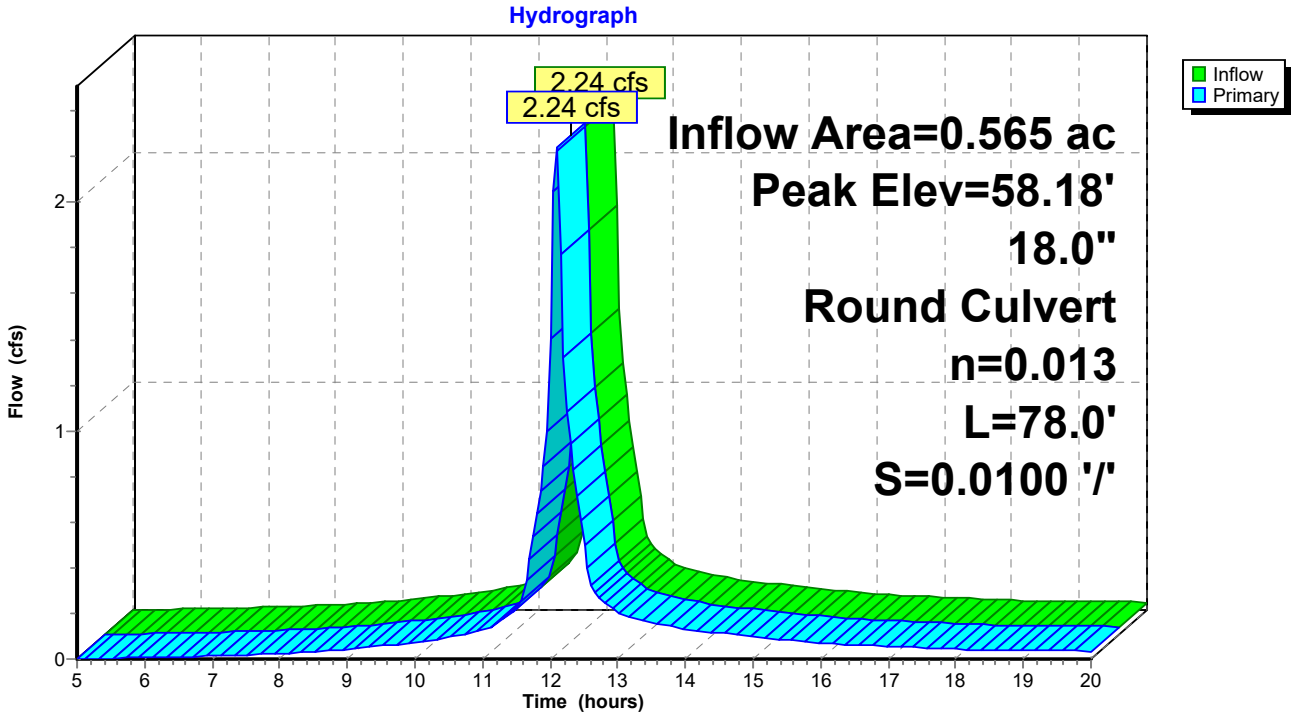
Inflow Area = 0.565 ac, 65.31% Impervious, Inflow Depth > 3.35" for 10-Year event
Inflow = 2.24 cfs @ 12.09 hrs, Volume= 0.158 af
Outflow = 2.24 cfs @ 12.09 hrs, Volume= 0.158 af, Atten= 0%, Lag= 0.0 min
Primary = 2.24 cfs @ 12.09 hrs, Volume= 0.158 af
Routed to Pond 124P : DMH 32

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.18' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.39'	**18.0" Round Culvert** L= 78.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.39' / 56.61' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.19 cfs @ 12.09 hrs HW=58.17' (Free Discharge)
1=Culvert (Inlet Controls 2.19 cfs @ 2.37 fps)

Pond 123P: DMH 31



Stage-Area-Storage for Pond 123P: DMH 31

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.39	**0.000**	57.92	0.000	58.45	0.000
57.40	0.000	57.93	0.000	58.46	0.000
57.41	0.000	57.94	0.000	58.47	0.000
57.42	0.000	57.95	0.000	58.48	0.000
57.43	0.000	57.96	0.000	58.49	0.000
57.44	0.000	57.97	0.000	58.50	0.000
57.45	0.000	57.98	0.000	58.51	0.000
57.46	0.000	57.99	0.000	58.52	0.000
57.47	0.000	58.00	0.000	58.53	0.000
57.48	0.000	58.01	0.000	58.54	0.000
57.49	0.000	58.02	0.000	58.55	0.000
57.50	0.000	58.03	0.000	58.56	0.000
57.51	0.000	58.04	0.000	58.57	0.000
57.52	0.000	58.05	0.000	58.58	0.000
57.53	0.000	58.06	0.000	58.59	0.000
57.54	0.000	58.07	0.000	58.60	0.000
57.55	0.000	58.08	0.000	58.61	0.000
57.56	0.000	58.09	0.000	58.62	0.000
57.57	0.000	58.10	0.000	58.63	0.000
57.58	0.000	58.11	0.000	58.64	0.000
57.59	0.000	58.12	0.000	58.65	0.000
57.60	0.000	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000		
57.85	0.000	58.38	0.000		
57.86	0.000	58.39	0.000		
57.87	0.000	58.40	0.000		
57.88	0.000	58.41	0.000		
57.89	0.000	58.42	0.000		
57.90	0.000	58.43	0.000		
57.91	0.000	58.44	0.000		

Summary for Pond 124P: DMH 32

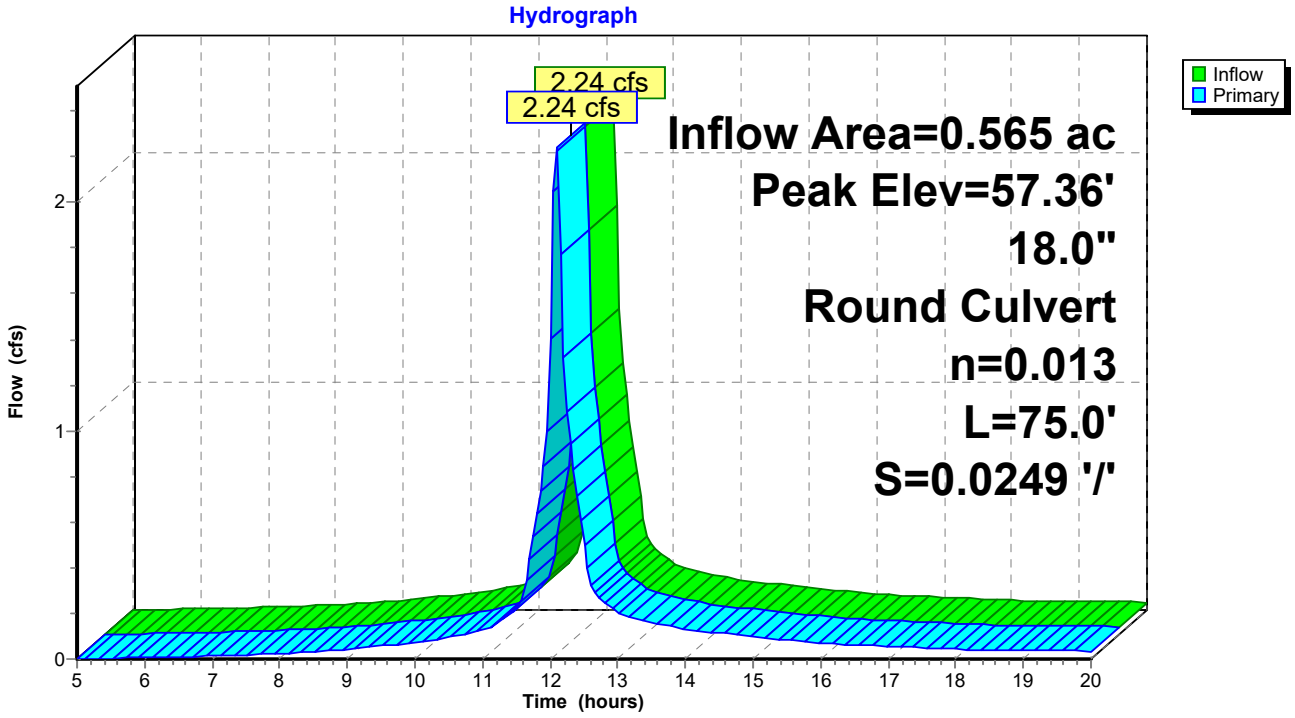
Inflow Area = 0.565 ac, 65.31% Impervious, Inflow Depth > 3.35" for 10-Year event
Inflow = 2.24 cfs @ 12.09 hrs, Volume= 0.158 af
Outflow = 2.24 cfs @ 12.09 hrs, Volume= 0.158 af, Atten= 0%, Lag= 0.0 min
Primary = 2.24 cfs @ 12.09 hrs, Volume= 0.158 af
Routed to Pond 206P : DMH 34

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.36' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.57'	**18.0" Round Culvert** L= 75.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.57' / 54.70' S= 0.0249 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.19 cfs @ 12.09 hrs HW=57.35' (Free Discharge)
1=Culvert (Inlet Controls 2.19 cfs @ 2.37 fps)

Pond 124P: DMH 32



Stage-Area-Storage for Pond 124P: DMH 32

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.57	**0.000**	57.10	0.000	57.63	0.000
56.58	0.000	57.11	0.000	57.64	0.000
56.59	0.000	57.12	0.000	57.65	0.000
56.60	0.000	57.13	0.000	57.66	0.000
56.61	0.000	57.14	0.000	57.67	0.000
56.62	0.000	57.15	0.000	57.68	0.000
56.63	0.000	57.16	0.000	57.69	0.000
56.64	0.000	57.17	0.000	57.70	0.000
56.65	0.000	57.18	0.000	57.71	0.000
56.66	0.000	57.19	0.000	57.72	0.000
56.67	0.000	57.20	0.000	57.73	0.000
56.68	0.000	57.21	0.000	57.74	0.000
56.69	0.000	57.22	0.000	57.75	0.000
56.70	0.000	57.23	0.000	57.76	0.000
56.71	0.000	57.24	0.000	57.77	0.000
56.72	0.000	57.25	0.000	57.78	0.000
56.73	0.000	57.26	0.000	57.79	0.000
56.74	0.000	57.27	0.000	57.80	0.000
56.75	0.000	57.28	0.000	57.81	0.000
56.76	0.000	57.29	0.000	57.82	0.000
56.77	0.000	57.30	0.000	57.83	0.000
56.78	0.000	57.31	0.000	57.84	0.000
56.79	0.000	57.32	0.000	57.85	0.000
56.80	0.000	57.33	0.000	57.86	0.000
56.81	0.000	57.34	0.000	57.87	0.000
56.82	0.000	57.35	0.000	57.88	0.000
56.83	0.000	57.36	0.000	57.89	0.000
56.84	0.000	57.37	0.000	57.90	0.000
56.85	0.000	57.38	0.000	57.91	0.000
56.86	0.000	57.39	0.000	57.92	0.000
56.87	0.000	57.40	0.000	57.93	0.000
56.88	0.000	57.41	0.000	57.94	0.000
56.89	0.000	57.42	0.000	57.95	0.000
56.90	0.000	57.43	0.000	57.96	0.000
56.91	0.000	57.44	0.000	57.97	0.000
56.92	0.000	57.45	0.000	57.98	0.000
56.93	0.000	57.46	0.000	57.99	0.000
56.94	0.000	57.47	0.000	58.00	0.000
56.95	0.000	57.48	0.000	58.01	0.000
56.96	0.000	57.49	0.000	58.02	0.000
56.97	0.000	57.50	0.000	58.03	0.000
56.98	0.000	57.51	0.000	58.04	0.000
56.99	0.000	57.52	0.000	58.05	0.000
57.00	0.000	57.53	0.000	58.06	0.000
57.01	0.000	57.54	0.000	58.07	0.000
57.02	0.000	57.55	0.000		
57.03	0.000	57.56	0.000		
57.04	0.000	57.57	0.000		
57.05	0.000	57.58	0.000		
57.06	0.000	57.59	0.000		
57.07	0.000	57.60	0.000		
57.08	0.000	57.61	0.000		
57.09	0.000	57.62	0.000		

Summary for Pond 125P: CB 36

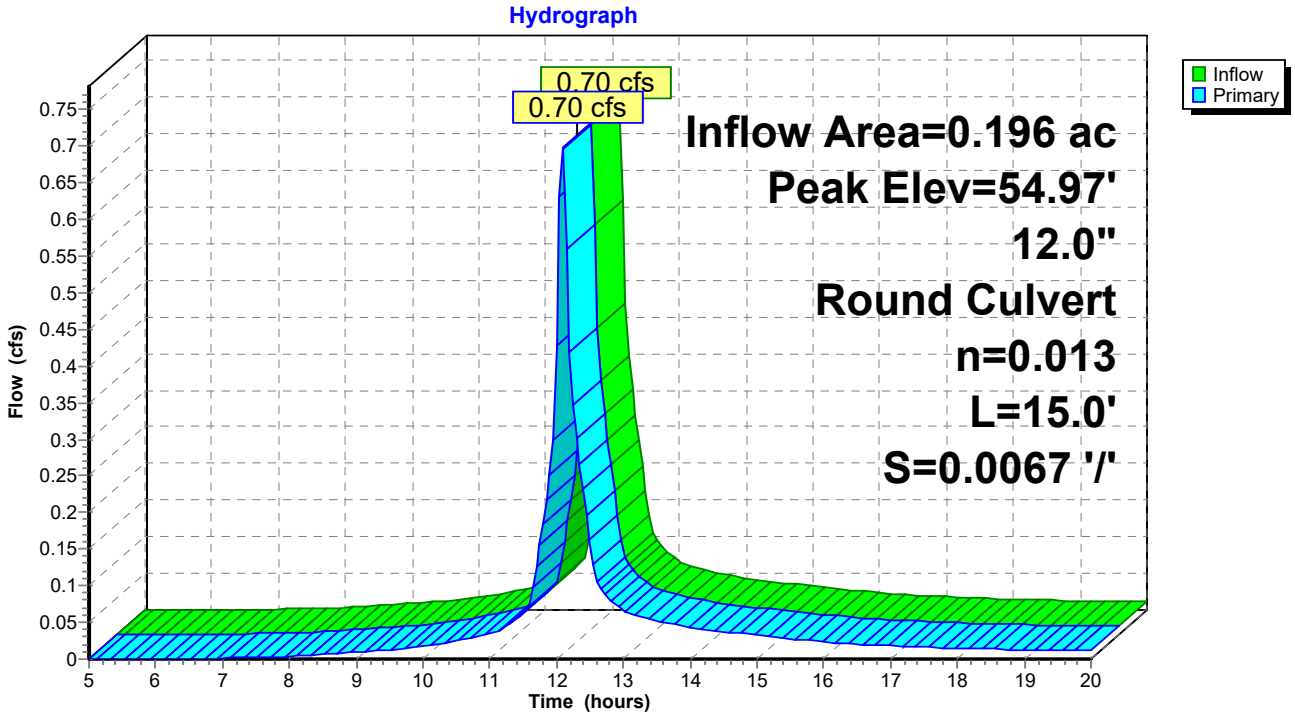
Inflow Area = 0.196 ac, 76.76% Impervious, Inflow Depth > 2.92" for 10-Year event
Inflow = 0.70 cfs @ 12.09 hrs, Volume= 0.048 af
Outflow = 0.70 cfs @ 12.09 hrs, Volume= 0.048 af, Atten= 0%, Lag= 0.0 min
Primary = 0.70 cfs @ 12.09 hrs, Volume= 0.048 af
Routed to Pond 127P : DMH 26

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.45'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.45' / 54.35' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.09 hrs HW=54.97' (Free Discharge)
1=Culvert (Barrel Controls 0.68 cfs @ 2.43 fps)

Pond 125P: CB 36



Stage-Area-Storage for Pond 125P: CB 36

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.45	**0.000**	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000		
54.94	0.000		
54.95	0.000		
54.96	0.000		
54.97	0.000		

Summary for Pond 126P: CB 37

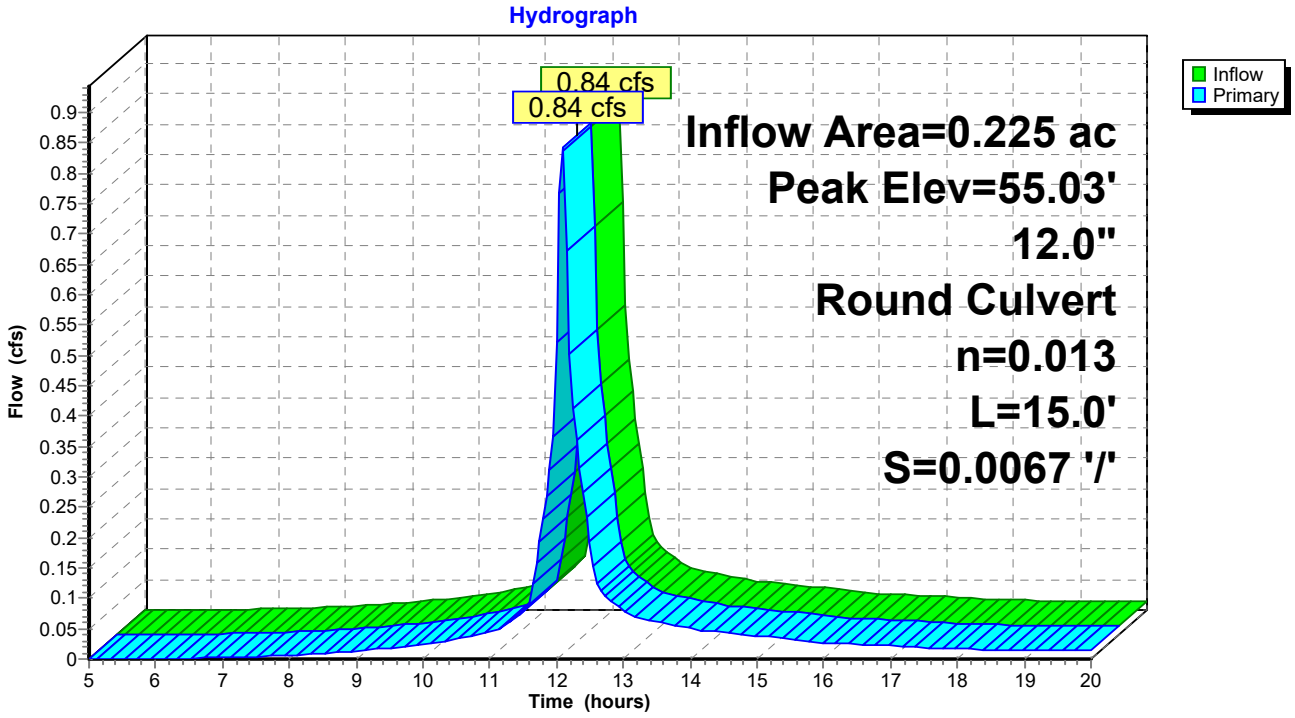
Inflow Area = 0.225 ac, 79.18% Impervious, Inflow Depth > 3.11" for 10-Year event
Inflow = 0.84 cfs @ 12.09 hrs, Volume= 0.058 af
Outflow = 0.84 cfs @ 12.09 hrs, Volume= 0.058 af, Atten= 0%, Lag= 0.0 min
Primary = 0.84 cfs @ 12.09 hrs, Volume= 0.058 af
Routed to Pond 127P : DMH 26

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.03' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.45'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.45' / 54.35' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.82 cfs @ 12.09 hrs HW=55.03' (Free Discharge)
1=Culvert (Barrel Controls 0.82 cfs @ 2.54 fps)

Pond 126P: CB 37



Stage-Area-Storage for Pond 126P: CB 37

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.45	**0.000**	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000		
54.94	0.000		
54.95	0.000		
54.96	0.000		
54.97	0.000		

Summary for Pond 127P: DMH 26

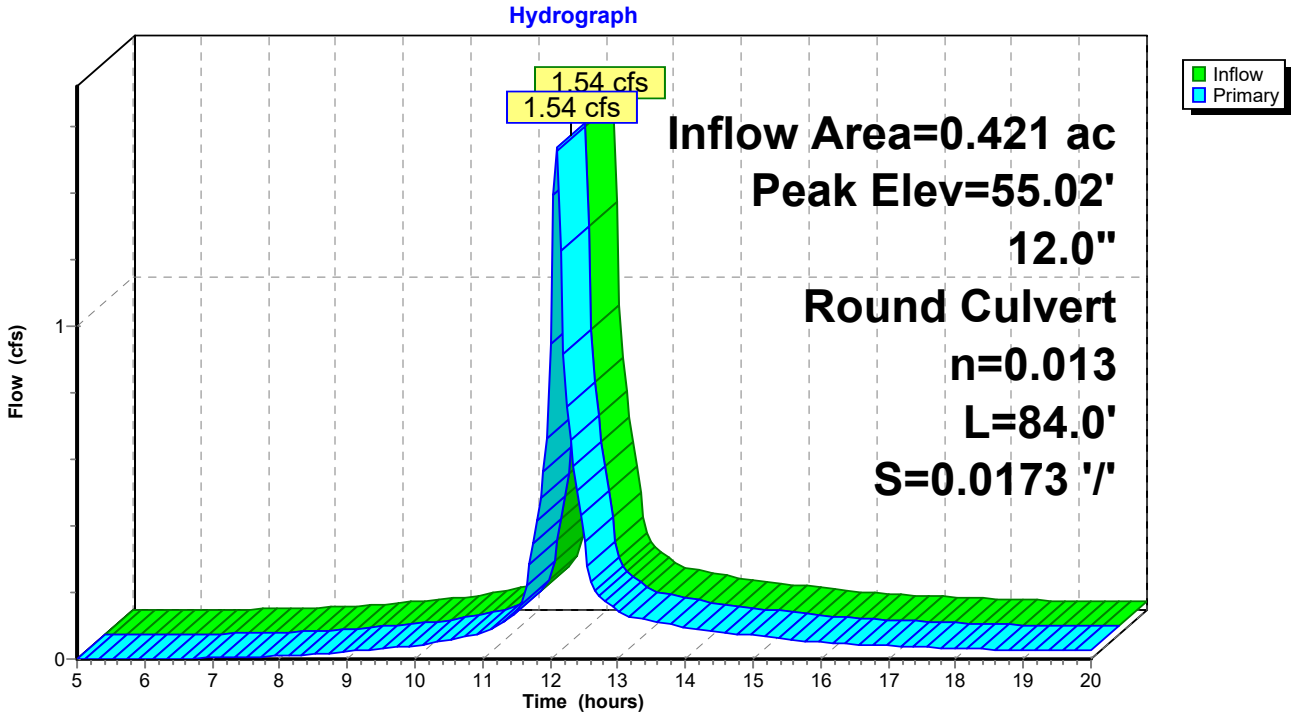
Inflow Area = 0.421 ac, 78.05% Impervious, Inflow Depth > 3.02" for 10-Year event
Inflow = 1.54 cfs @ 12.09 hrs, Volume= 0.106 af
Outflow = 1.54 cfs @ 12.09 hrs, Volume= 0.106 af, Atten= 0%, Lag= 0.0 min
Primary = 1.54 cfs @ 12.09 hrs, Volume= 0.106 af
Routed to Pond 205P : DMH 27

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.02' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.25'	**12.0" Round Culvert** L= 84.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.25' / 52.80' S= 0.0173 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.51 cfs @ 12.09 hrs HW=55.01' (Free Discharge)
1=Culvert (Inlet Controls 1.51 cfs @ 2.35 fps)

Pond 127P: DMH 26



Stage-Area-Storage for Pond 127P: DMH 26

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.25	**0.000**	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000		
54.74	0.000		
54.75	0.000		
54.76	0.000		
54.77	0.000		

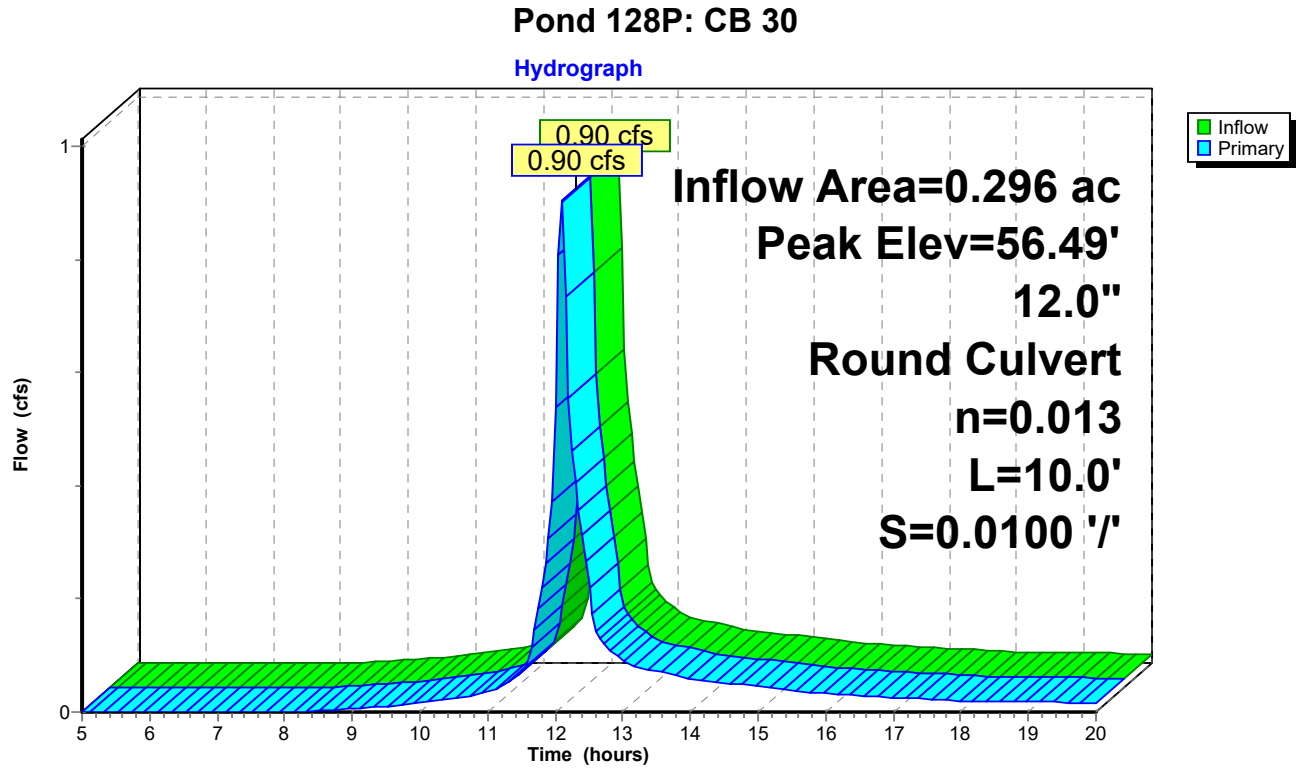
Summary for Pond 128P: CB 30

Inflow Area = 0.296 ac, 67.55% Impervious, Inflow Depth > 2.48" for 10-Year event
Inflow = 0.90 cfs @ 12.09 hrs, Volume= 0.061 af
Outflow = 0.90 cfs @ 12.09 hrs, Volume= 0.061 af, Atten= 0%, Lag= 0.0 min
Primary = 0.90 cfs @ 12.09 hrs, Volume= 0.061 af
Routed to Pond 141P : DMH 23

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.49' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.90'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.90' / 55.80' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.89 cfs @ 12.09 hrs HW=56.49' (Free Discharge)
1=Culvert (Barrel Controls 0.89 cfs @ 2.66 fps)



Stage-Area-Storage for Pond 128P: CB 30

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.90	**0.000**	56.43	0.000
55.91	0.000	56.44	0.000
55.92	0.000	56.45	0.000
55.93	0.000	56.46	0.000
55.94	0.000	56.47	0.000
55.95	0.000	56.48	0.000
55.96	0.000	56.49	0.000
55.97	0.000	56.50	0.000
55.98	0.000	56.51	0.000
55.99	0.000	56.52	0.000
56.00	0.000	56.53	0.000
56.01	0.000	56.54	0.000
56.02	0.000	56.55	0.000
56.03	0.000	56.56	0.000
56.04	0.000	56.57	0.000
56.05	0.000	56.58	0.000
56.06	0.000	56.59	0.000
56.07	0.000	56.60	0.000
56.08	0.000	56.61	0.000
56.09	0.000	56.62	0.000
56.10	0.000	56.63	0.000
56.11	0.000	56.64	0.000
56.12	0.000	56.65	0.000
56.13	0.000	56.66	0.000
56.14	0.000	56.67	0.000
56.15	0.000	56.68	0.000
56.16	0.000	56.69	0.000
56.17	0.000	56.70	0.000
56.18	0.000	56.71	0.000
56.19	0.000	56.72	0.000
56.20	0.000	56.73	0.000
56.21	0.000	56.74	0.000
56.22	0.000	56.75	0.000
56.23	0.000	56.76	0.000
56.24	0.000	56.77	0.000
56.25	0.000	56.78	0.000
56.26	0.000	56.79	0.000
56.27	0.000	56.80	0.000
56.28	0.000	56.81	0.000
56.29	0.000	56.82	0.000
56.30	0.000	56.83	0.000
56.31	0.000	56.84	0.000
56.32	0.000	56.85	0.000
56.33	0.000	56.86	0.000
56.34	0.000	56.87	0.000
56.35	0.000	56.88	0.000
56.36	0.000	56.89	0.000
56.37	0.000	56.90	0.000
56.38	0.000		
56.39	0.000		
56.40	0.000		
56.41	0.000		
56.42	0.000		

Summary for Pond 129P: CB 34

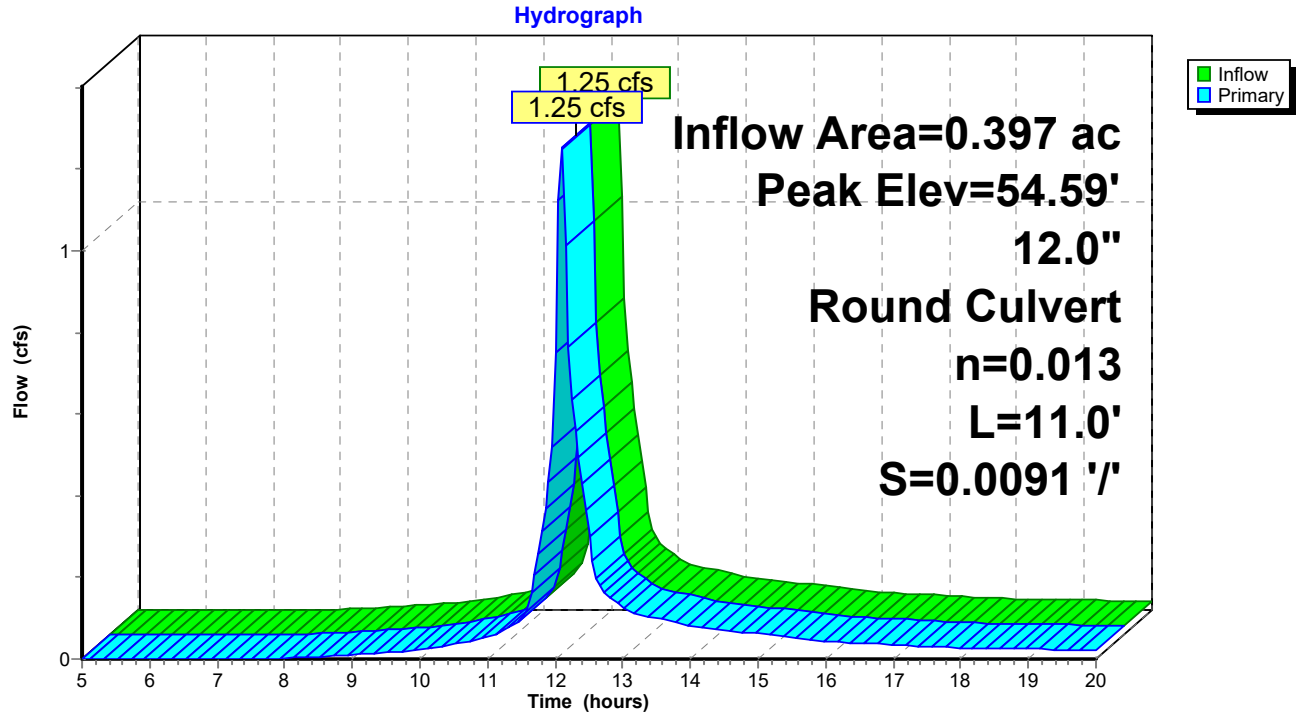
Inflow Area = 0.397 ac, 70.10% Impervious, Inflow Depth > 2.56" for 10-Year event
Inflow = 1.25 cfs @ 12.09 hrs, Volume= 0.085 af
Outflow = 1.25 cfs @ 12.09 hrs, Volume= 0.085 af, Atten= 0%, Lag= 0.0 min
Primary = 1.25 cfs @ 12.09 hrs, Volume= 0.085 af
Routed to Pond 134P : DMH 25

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.59' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.86'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.86' / 53.76' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.23 cfs @ 12.09 hrs HW=54.58' (Free Discharge)
1=Culvert (Barrel Controls 1.23 cfs @ 2.85 fps)

Pond 129P: CB 34



Stage-Area-Storage for Pond 129P: CB 34

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.86	**0.000**	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000	54.72	0.000
54.20	0.000	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000		
54.35	0.000		
54.36	0.000		
54.37	0.000		
54.38	0.000		

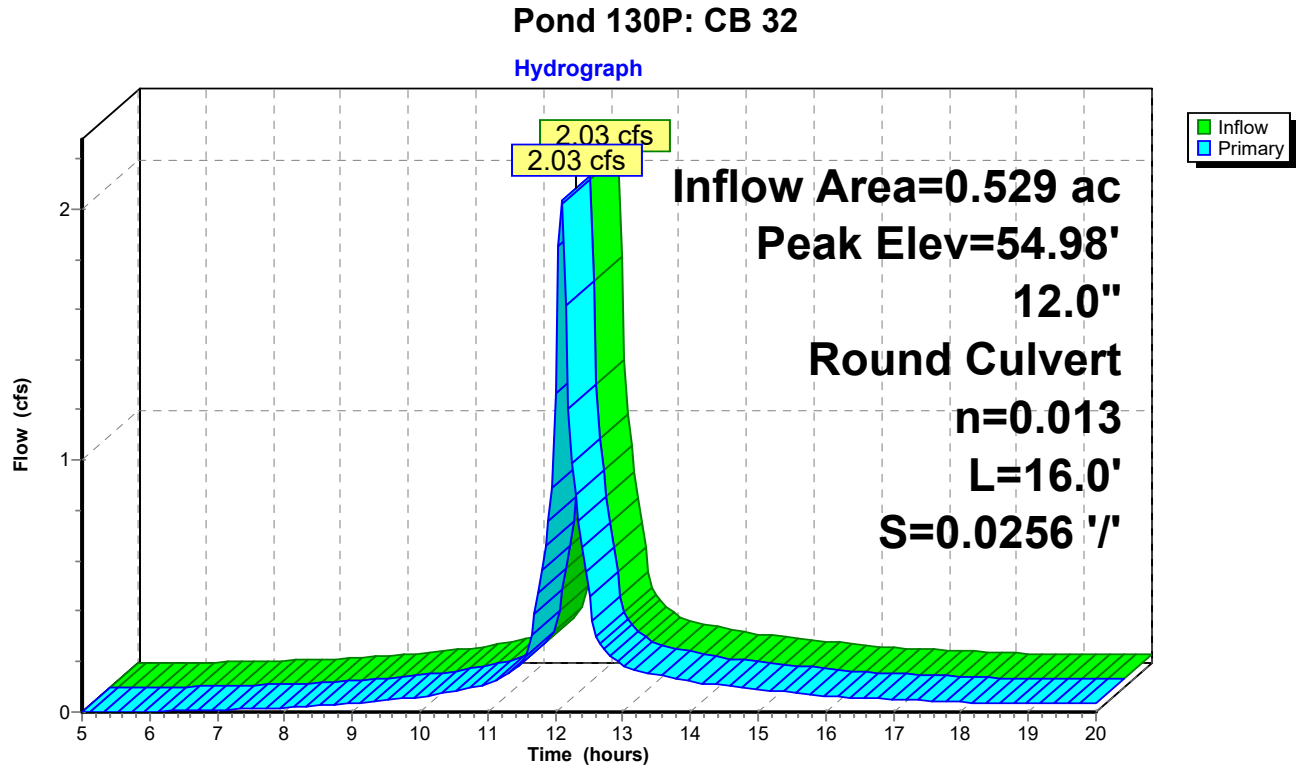
Summary for Pond 130P: CB 32

Inflow Area = 0.529 ac, 81.18% Impervious, Inflow Depth > 3.21" for 10-Year event
Inflow = 2.03 cfs @ 12.09 hrs, Volume= 0.142 af
Outflow = 2.03 cfs @ 12.09 hrs, Volume= 0.142 af, Atten= 0%, Lag= 0.0 min
Primary = 2.03 cfs @ 12.09 hrs, Volume= 0.142 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.98' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.02'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.02' / 53.61' S= 0.0256 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.99 cfs @ 12.09 hrs HW=54.96' (Free Discharge)
1=Culvert (Inlet Controls 1.99 cfs @ 2.60 fps)



Stage-Area-Storage for Pond 130P: CB 32

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.02	**0.000**	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000	54.72	0.000
54.20	0.000	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000		
54.51	0.000		
54.52	0.000		
54.53	0.000		
54.54	0.000		

Summary for Pond 131P: CB 35

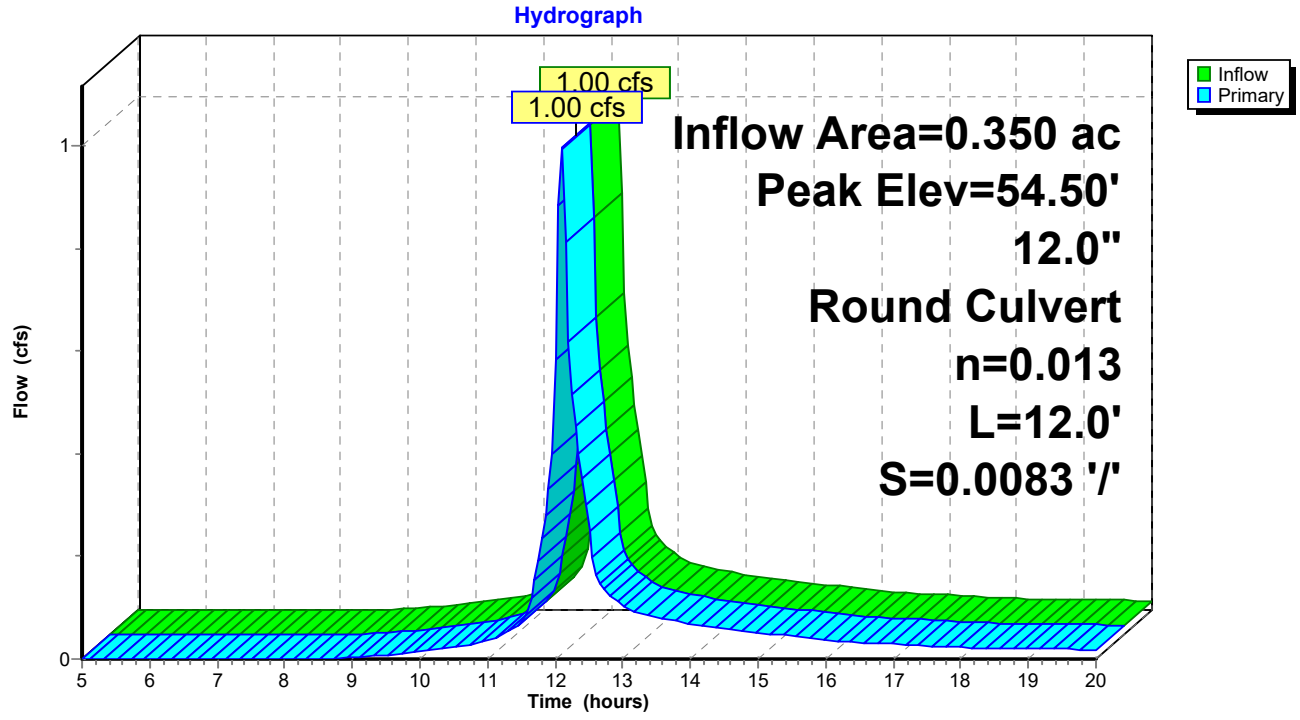
Inflow Area = 0.350 ac, 63.87% Impervious, Inflow Depth > 2.31" for 10-Year event
Inflow = 1.00 cfs @ 12.09 hrs, Volume= 0.067 af
Outflow = 1.00 cfs @ 12.09 hrs, Volume= 0.067 af, Atten= 0%, Lag= 0.0 min
Primary = 1.00 cfs @ 12.09 hrs, Volume= 0.067 af
Routed to Pond 134P : DMH 25

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.50' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.86'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.86' / 53.76' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.98 cfs @ 12.09 hrs HW=54.49' (Free Discharge)
1=Culvert (Barrel Controls 0.98 cfs @ 2.69 fps)

Pond 131P: CB 35



Stage-Area-Storage for Pond 131P: CB 35

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.86	**0.000**	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000	54.72	0.000
54.20	0.000	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000		
54.35	0.000		
54.36	0.000		
54.37	0.000		
54.38	0.000		

Summary for Pond 132P: CB 33

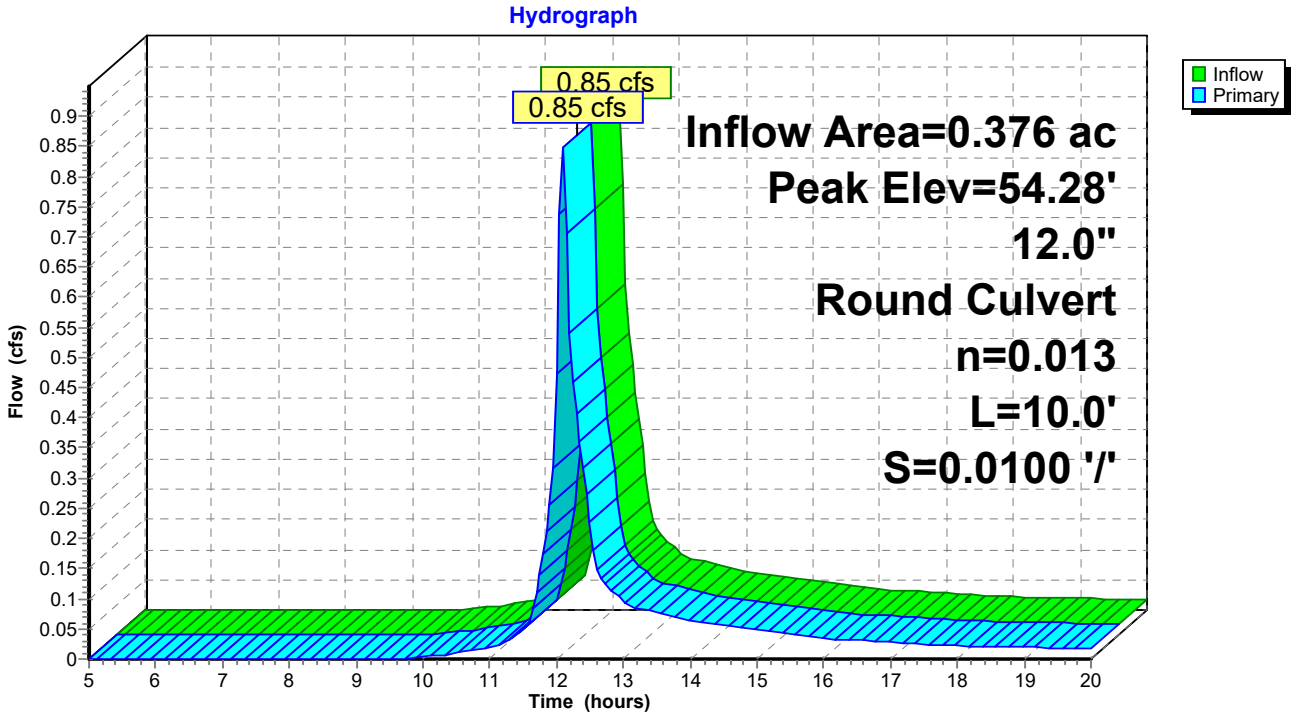
Inflow Area = 0.376 ac, 53.54% Impervious, Inflow Depth > 1.83" for 10-Year event
Inflow = 0.85 cfs @ 12.10 hrs, Volume= 0.057 af
Outflow = 0.85 cfs @ 12.10 hrs, Volume= 0.057 af, Atten= 0%, Lag= 0.0 min
Primary = 0.85 cfs @ 12.10 hrs, Volume= 0.057 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.28' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.71'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.71' / 53.61' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.10 hrs HW=54.28' (Free Discharge)
1=Culvert (Barrel Controls 0.84 cfs @ 2.63 fps)

Pond 132P: CB 33



Stage-Area-Storage for Pond 132P: CB 33

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.71	**0.000**	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000	54.61	0.000
54.09	0.000	54.62	0.000
54.10	0.000	54.63	0.000
54.11	0.000	54.64	0.000
54.12	0.000	54.65	0.000
54.13	0.000	54.66	0.000
54.14	0.000	54.67	0.000
54.15	0.000	54.68	0.000
54.16	0.000	54.69	0.000
54.17	0.000	54.70	0.000
54.18	0.000	54.71	0.000
54.19	0.000		
54.20	0.000		
54.21	0.000		
54.22	0.000		
54.23	0.000		

Summary for Pond 133P: DMH 24

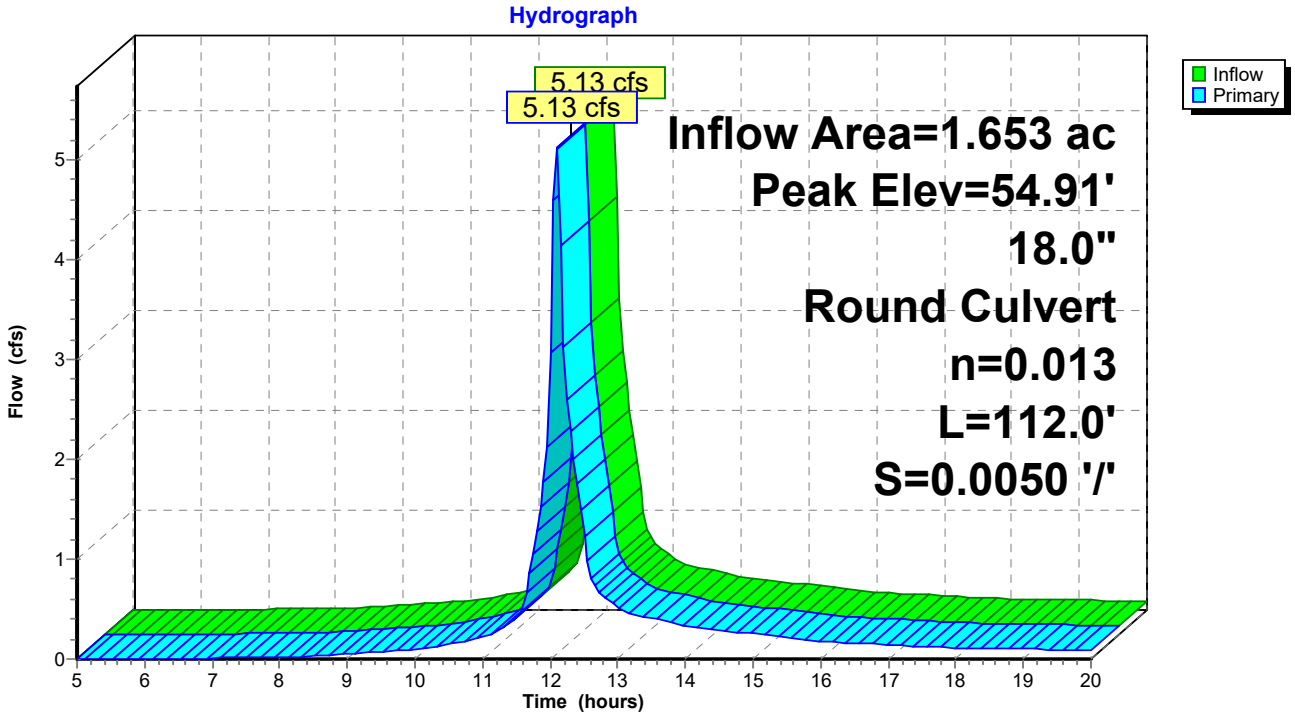
Inflow Area = 1.653 ac, 68.56% Impervious, Inflow Depth > 2.55" for 10-Year event
Inflow = 5.13 cfs @ 12.09 hrs, Volume= 0.351 af
Outflow = 5.13 cfs @ 12.09 hrs, Volume= 0.351 af, Atten= 0%, Lag= 0.0 min
Primary = 5.13 cfs @ 12.09 hrs, Volume= 0.351 af
Routed to Pond 135P : Inf. Basin 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.91' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.56'	**18.0" Round Culvert** L= 112.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.56' / 53.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.04 cfs @ 12.09 hrs HW=54.90' (Free Discharge)
1=Culvert (Barrel Controls 5.04 cfs @ 4.02 fps)

Pond 133P: DMH 24



Stage-Area-Storage for Pond 133P: DMH 24

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.56	**0.000**	54.09	0.000	54.62	0.000
53.57	0.000	54.10	0.000	54.63	0.000
53.58	0.000	54.11	0.000	54.64	0.000
53.59	0.000	54.12	0.000	54.65	0.000
53.60	0.000	54.13	0.000	54.66	0.000
53.61	0.000	54.14	0.000	54.67	0.000
53.62	0.000	54.15	0.000	54.68	0.000
53.63	0.000	54.16	0.000	54.69	0.000
53.64	0.000	54.17	0.000	54.70	0.000
53.65	0.000	54.18	0.000	54.71	0.000
53.66	0.000	54.19	0.000	54.72	0.000
53.67	0.000	54.20	0.000	54.73	0.000
53.68	0.000	54.21	0.000	54.74	0.000
53.69	0.000	54.22	0.000	54.75	0.000
53.70	0.000	54.23	0.000	54.76	0.000
53.71	0.000	54.24	0.000	54.77	0.000
53.72	0.000	54.25	0.000	54.78	0.000
53.73	0.000	54.26	0.000	54.79	0.000
53.74	0.000	54.27	0.000	54.80	0.000
53.75	0.000	54.28	0.000	54.81	0.000
53.76	0.000	54.29	0.000	54.82	0.000
53.77	0.000	54.30	0.000	54.83	0.000
53.78	0.000	54.31	0.000	54.84	0.000
53.79	0.000	54.32	0.000	54.85	0.000
53.80	0.000	54.33	0.000	54.86	0.000
53.81	0.000	54.34	0.000	54.87	0.000
53.82	0.000	54.35	0.000	54.88	0.000
53.83	0.000	54.36	0.000	54.89	0.000
53.84	0.000	54.37	0.000	54.90	0.000
53.85	0.000	54.38	0.000	54.91	0.000
53.86	0.000	54.39	0.000	54.92	0.000
53.87	0.000	54.40	0.000	54.93	0.000
53.88	0.000	54.41	0.000	54.94	0.000
53.89	0.000	54.42	0.000	54.95	0.000
53.90	0.000	54.43	0.000	54.96	0.000
53.91	0.000	54.44	0.000	54.97	0.000
53.92	0.000	54.45	0.000	54.98	0.000
53.93	0.000	54.46	0.000	54.99	0.000
53.94	0.000	54.47	0.000	55.00	0.000
53.95	0.000	54.48	0.000	55.01	0.000
53.96	0.000	54.49	0.000	55.02	0.000
53.97	0.000	54.50	0.000	55.03	0.000
53.98	0.000	54.51	0.000	55.04	0.000
53.99	0.000	54.52	0.000	55.05	0.000
54.00	0.000	54.53	0.000	55.06	0.000
54.01	0.000	54.54	0.000		
54.02	0.000	54.55	0.000		
54.03	0.000	54.56	0.000		
54.04	0.000	54.57	0.000		
54.05	0.000	54.58	0.000		
54.06	0.000	54.59	0.000		
54.07	0.000	54.60	0.000		
54.08	0.000	54.61	0.000		

Summary for Pond 134P: DMH 25

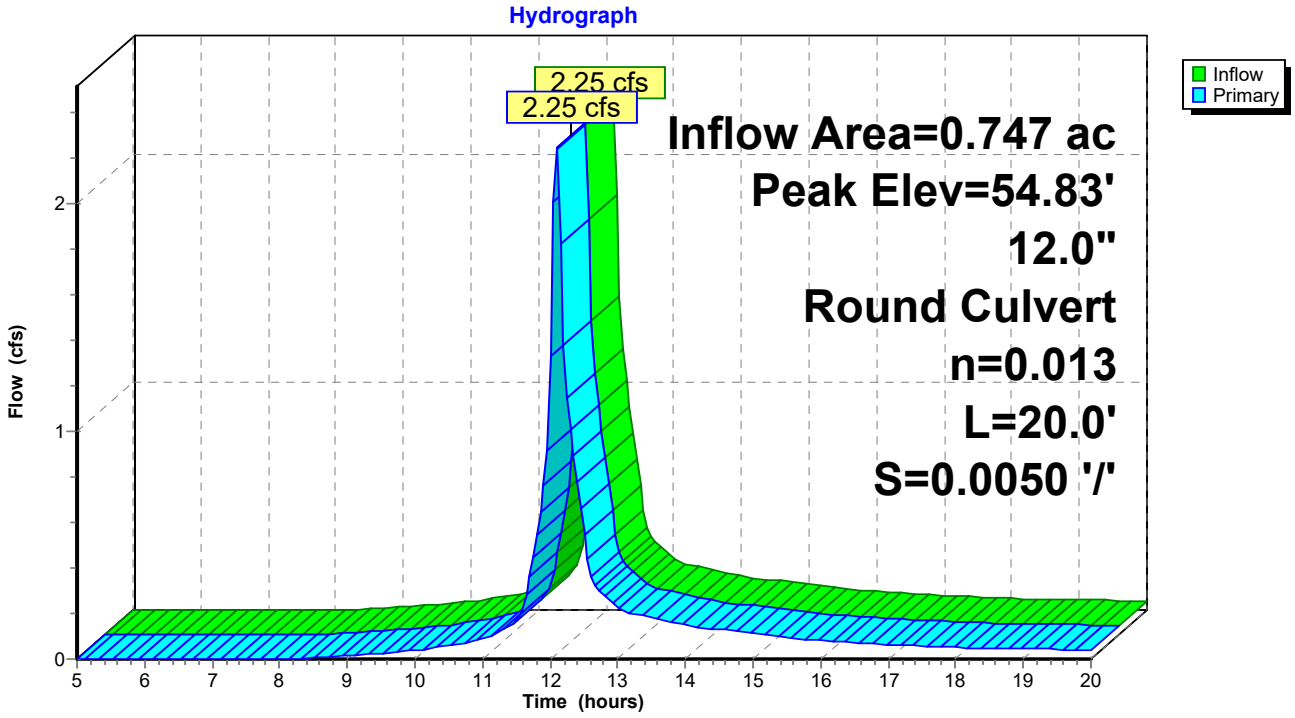
Inflow Area = 0.747 ac, 67.18% Impervious, Inflow Depth > 2.44" for 10-Year event
Inflow = 2.25 cfs @ 12.09 hrs, Volume= 0.152 af
Outflow = 2.25 cfs @ 12.09 hrs, Volume= 0.152 af, Atten= 0%, Lag= 0.0 min
Primary = 2.25 cfs @ 12.09 hrs, Volume= 0.152 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.83' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.71'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.71' / 53.61' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.21 cfs @ 12.09 hrs HW=54.81' (Free Discharge)
1=Culvert (Barrel Controls 2.21 cfs @ 3.19 fps)

Pond 134P: DMH 25



Stage-Area-Storage for Pond 134P: DMH 25

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.71	**0.000**	54.24	0.000	54.77	0.000
53.72	0.000	54.25	0.000	54.78	0.000
53.73	0.000	54.26	0.000	54.79	0.000
53.74	0.000	54.27	0.000	54.80	0.000
53.75	0.000	54.28	0.000	54.81	0.000
53.76	0.000	54.29	0.000	54.82	0.000
53.77	0.000	54.30	0.000	54.83	0.000
53.78	0.000	54.31	0.000		
53.79	0.000	54.32	0.000		
53.80	0.000	54.33	0.000		
53.81	0.000	54.34	0.000		
53.82	0.000	54.35	0.000		
53.83	0.000	54.36	0.000		
53.84	0.000	54.37	0.000		
53.85	0.000	54.38	0.000		
53.86	0.000	54.39	0.000		
53.87	0.000	54.40	0.000		
53.88	0.000	54.41	0.000		
53.89	0.000	54.42	0.000		
53.90	0.000	54.43	0.000		
53.91	0.000	54.44	0.000		
53.92	0.000	54.45	0.000		
53.93	0.000	54.46	0.000		
53.94	0.000	54.47	0.000		
53.95	0.000	54.48	0.000		
53.96	0.000	54.49	0.000		
53.97	0.000	54.50	0.000		
53.98	0.000	54.51	0.000		
53.99	0.000	54.52	0.000		
54.00	0.000	54.53	0.000		
54.01	0.000	54.54	0.000		
54.02	0.000	54.55	0.000		
54.03	0.000	54.56	0.000		
54.04	0.000	54.57	0.000		
54.05	0.000	54.58	0.000		
54.06	0.000	54.59	0.000		
54.07	0.000	54.60	0.000		
54.08	0.000	54.61	0.000		
54.09	0.000	54.62	0.000		
54.10	0.000	54.63	0.000		
54.11	0.000	54.64	0.000		
54.12	0.000	54.65	0.000		
54.13	0.000	54.66	0.000		
54.14	0.000	54.67	0.000		
54.15	0.000	54.68	0.000		
54.16	0.000	54.69	0.000		
54.17	0.000	54.70	0.000		
54.18	0.000	54.71	0.000		
54.19	0.000	54.72	0.000		
54.20	0.000	54.73	0.000		
54.21	0.000	54.74	0.000		
54.22	0.000	54.75	0.000		
54.23	0.000	54.76	0.000		

Summary for Pond 135P: Inf. Basin 3

Inflow Area = 2.229 ac, 60.86% Impervious, Inflow Depth > 2.27" for 10-Year event
Inflow = 6.07 cfs @ 12.09 hrs, Volume= 0.421 af
Outflow = 2.16 cfs @ 12.39 hrs, Volume= 0.421 af, Atten= 64%, Lag= 17.7 min
Discarded = 2.16 cfs @ 12.39 hrs, Volume= 0.421 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.32' @ 12.39 hrs Surf.Area= 4,312 sf Storage= 4,118 cf

Plug-Flow detention time= 15.0 min calculated for 0.419 af (100% of inflow)
Center-of-Mass det. time= 14.7 min (800.0 - 785.3)

Volume	Invert	Avail.Storage	Storage Description
#1	53.00'	21,308 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

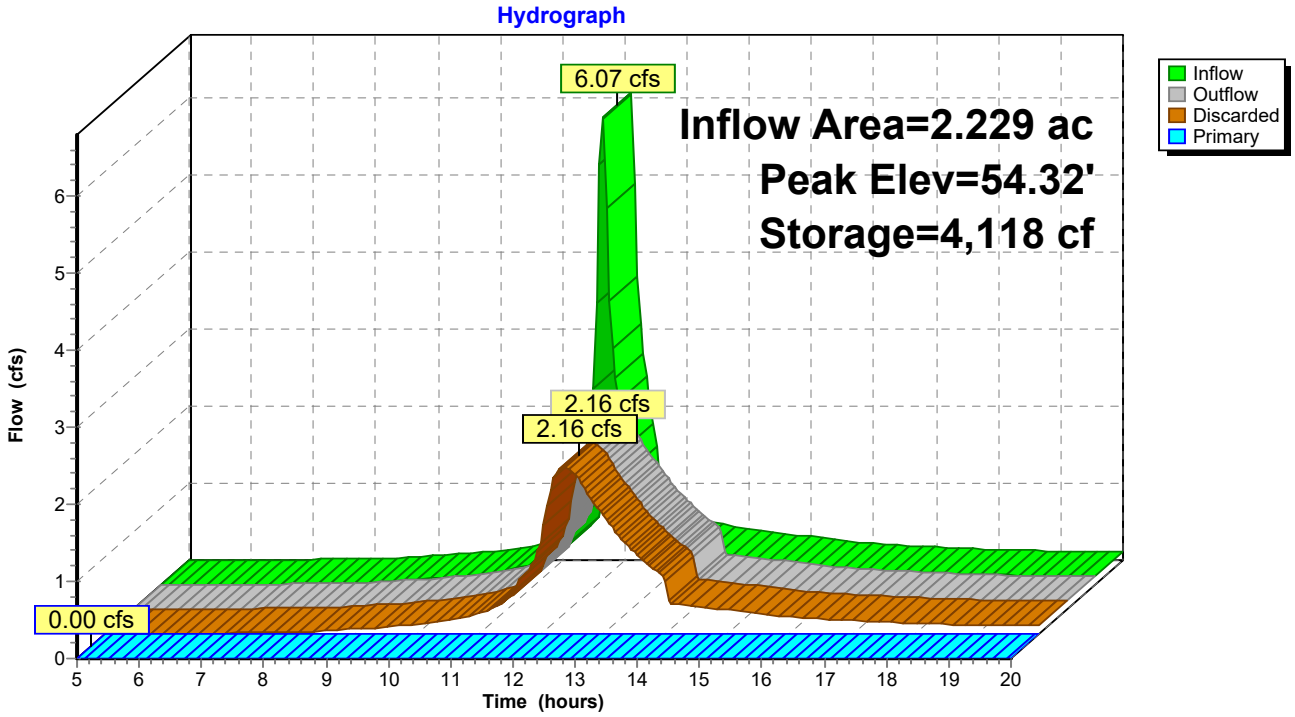
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
53.00	2,016	0	0
54.00	3,650	2,833	2,833
55.00	5,702	4,676	7,509
56.00	6,883	6,293	13,802
57.00	8,130	7,507	21,308

Device	Routing	Invert	Outlet Devices
#1	Discarded	53.00'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 51.00'
#2	Primary	53.00'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.00' / 52.00' S= 0.0400 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.40'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=2.16 cfs @ 12.39 hrs HW=54.32' (Free Discharge)
↑**1=Exfiltration** (Controls 2.16 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=53.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)
↑**3=Orifice/Grate** (Controls 0.00 cfs)

Pond 135P: Inf. Basin 3



Stage-Area-Storage for Pond 135P: Inf. Basin 3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
53.00	2,016	0
53.05	2,098	103
53.10	2,179	210
53.15	2,261	321
53.20	2,343	436
53.25	2,425	555
53.30	2,506	678
53.35	2,588	806
53.40	2,670	937
53.45	2,751	1,073
53.50	2,833	1,212
53.55	2,915	1,356
53.60	2,996	1,504
53.65	3,078	1,656
53.70	3,160	1,812
53.75	3,242	1,972
53.80	3,323	2,136
53.85	3,405	2,304
53.90	3,487	2,476
53.95	3,568	2,653
54.00	3,650	2,833
54.05	3,753	3,018
54.10	3,855	3,208
54.15	3,958	3,404
54.20	4,060	3,604
54.25	4,163	3,810
54.30	4,266	4,020
54.35	4,368	4,236
54.40	4,471	4,457
54.45	4,573	4,683
54.50	4,676	4,915
54.55	4,779	5,151
54.60	4,881	5,392
54.65	4,984	5,639
54.70	5,086	5,891
54.75	5,189	6,148
54.80	5,292	6,410
54.85	5,394	6,677
54.90	5,497	6,949
54.95	5,599	7,226
55.00	5,702	7,509
55.05	5,761	7,796
55.10	5,820	8,085
55.15	5,879	8,378
55.20	5,938	8,673
55.25	5,997	8,971
55.30	6,056	9,273
55.35	6,115	9,577
55.40	6,174	9,884
55.45	6,233	10,194
55.50	6,293	10,508
55.55	6,352	10,824
55.60	6,411	11,143
55.65	6,470	11,465
55.70	6,529	11,790
55.75	6,588	12,118
55.80	6,647	12,449
55.85	6,706	12,782
55.90	6,765	13,119
55.95	6,824	13,459
56.00	6,883	13,802
56.05	6,945	14,147
56.10	7,008	14,496
56.15	7,070	14,848
56.20	7,132	15,203
56.25	7,195	15,561
56.30	7,257	15,923
56.35	7,319	16,287
56.40	7,382	16,654
56.45	7,444	17,025
56.50	7,507	17,399
56.55	7,569	17,776
56.60	7,631	18,156
56.65	7,694	18,539
56.70	7,756	18,925
56.75	7,818	19,314
56.80	7,881	19,707
56.85	7,943	20,103
56.90	8,005	20,501
56.95	8,068	20,903
57.00	**8,130**	**21,308**

Summary for Pond 136P: CB 38

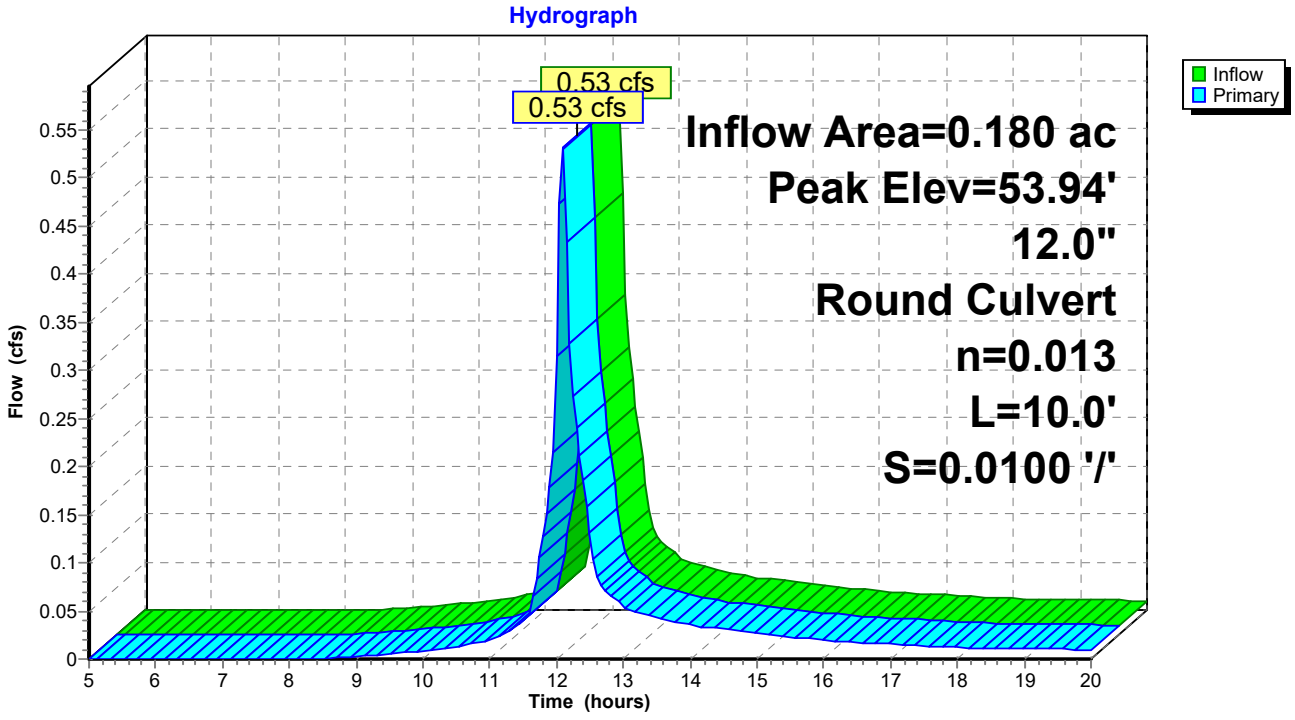
Inflow Area = 0.180 ac, 66.23% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 0.53 cfs @ 12.09 hrs, Volume= 0.036 af
Outflow = 0.53 cfs @ 12.09 hrs, Volume= 0.036 af, Atten= 0%, Lag= 0.0 min
Primary = 0.53 cfs @ 12.09 hrs, Volume= 0.036 af
Routed to Pond 139P : DMH 28

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.94' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.40' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.52 cfs @ 12.09 hrs HW=53.93' (Free Discharge)
1=Culvert (Barrel Controls 0.52 cfs @ 2.37 fps)

Pond 136P: CB 38



Stage-Area-Storage for Pond 136P: CB 38

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 137P: CB

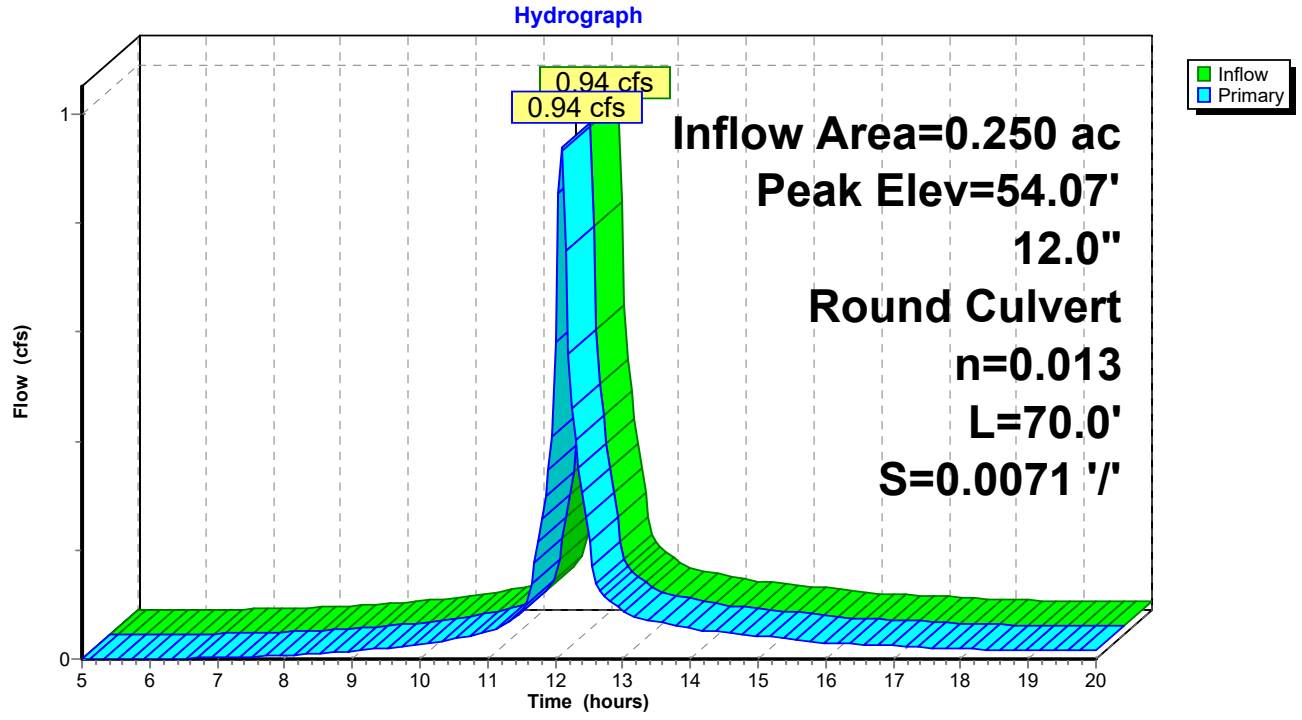
Inflow Area = 0.250 ac, 80.29% Impervious, Inflow Depth > 3.11" for 10-Year event
Inflow = 0.94 cfs @ 12.09 hrs, Volume= 0.065 af
Outflow = 0.94 cfs @ 12.09 hrs, Volume= 0.065 af, Atten= 0%, Lag= 0.0 min
Primary = 0.94 cfs @ 12.09 hrs, Volume= 0.065 af
Routed to Pond 135P : Inf. Basin 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.07' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 70.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.00' S= 0.0071 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.92 cfs @ 12.09 hrs HW=54.06' (Free Discharge)
1=Culvert (Inlet Controls 0.92 cfs @ 2.02 fps)

Pond 137P: CB



Stage-Area-Storage for Pond 137P: CB

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 138P: CB 39

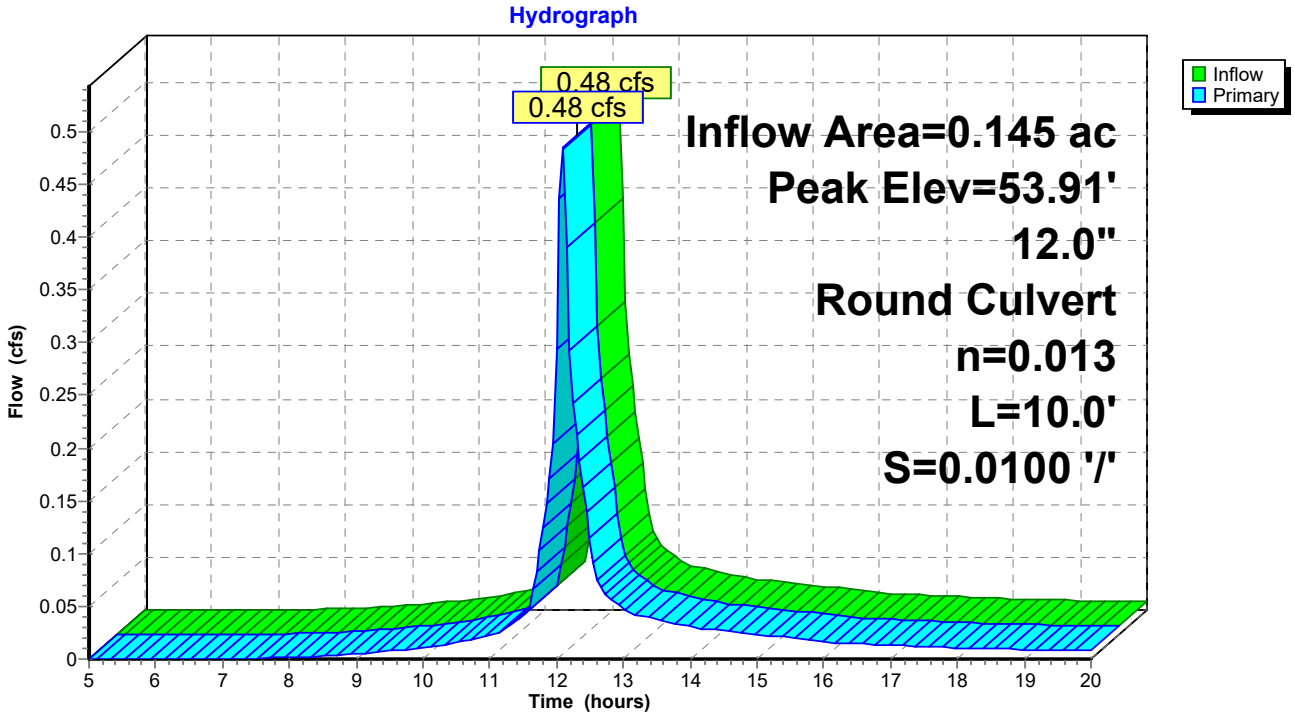
Inflow Area = 0.145 ac, 72.58% Impervious, Inflow Depth > 2.74" for 10-Year event
Inflow = 0.48 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.48 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.48 cfs @ 12.09 hrs, Volume= 0.033 af
Routed to Pond 139P : DMH 28

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.91' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.40' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.48 cfs @ 12.09 hrs HW=53.91' (Free Discharge)
1=Culvert (Barrel Controls 0.48 cfs @ 2.33 fps)

Pond 138P: CB 39



Stage-Area-Storage for Pond 138P: CB 39

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 139P: DMH 28

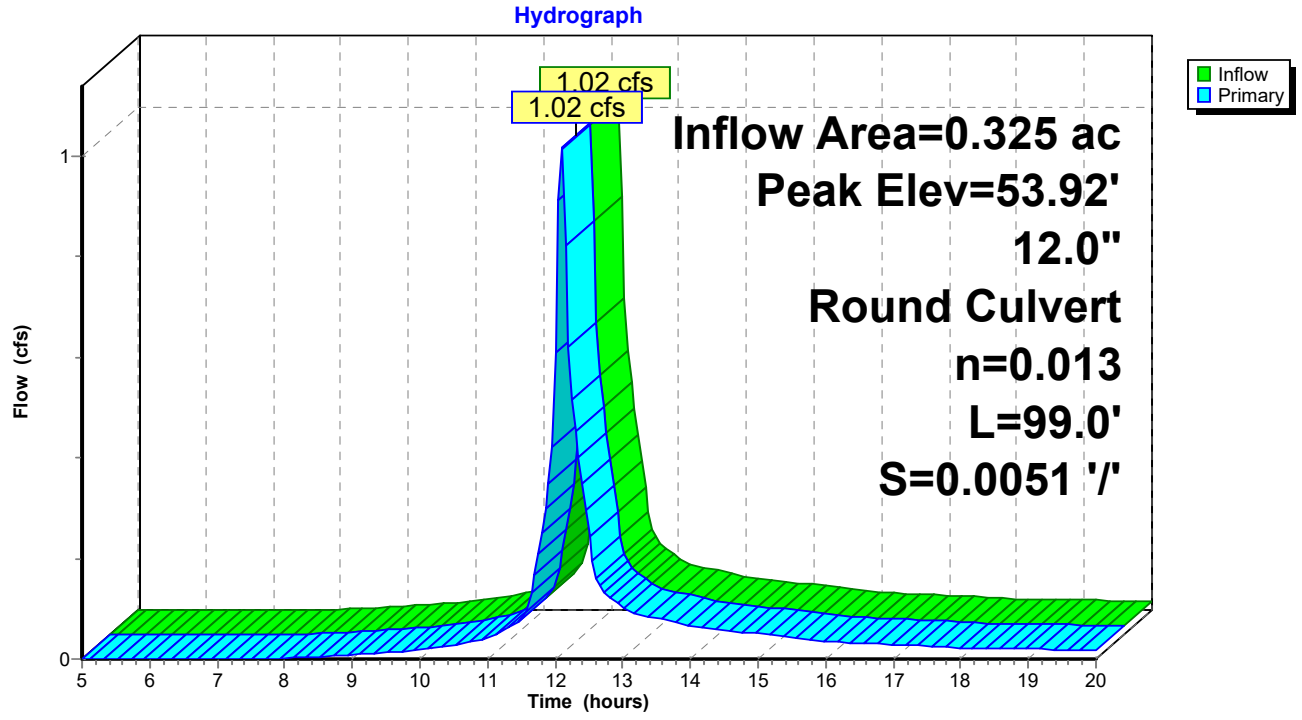
Inflow Area = 0.325 ac, 69.06% Impervious, Inflow Depth > 2.55" for 10-Year event
Inflow = 1.02 cfs @ 12.09 hrs, Volume= 0.069 af
Outflow = 1.02 cfs @ 12.09 hrs, Volume= 0.069 af, Atten= 0%, Lag= 0.0 min
Primary = 1.02 cfs @ 12.09 hrs, Volume= 0.069 af
Routed to Pond 205P : DMH 27

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.30'	**12.0" Round Culvert** L= 99.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.30' / 52.80' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=53.91' (Free Discharge)
1=Culvert (Barrel Controls 1.00 cfs @ 2.83 fps)

Pond 139P: DMH 28



Stage-Area-Storage for Pond 139P: DMH 28

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.30	**0.000**	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000		
53.79	0.000		
53.80	0.000		
53.81	0.000		
53.82	0.000		

Summary for Pond 140P: CB 31

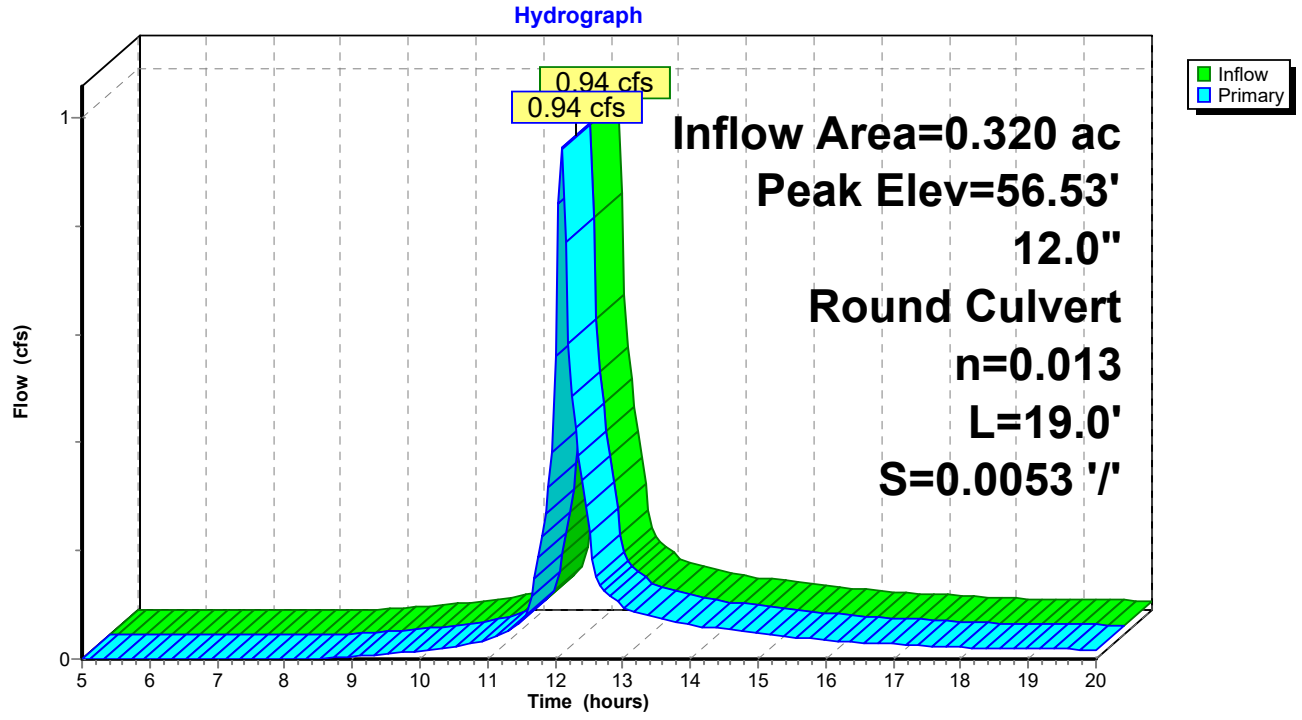
Inflow Area = 0.320 ac, 63.97% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 0.94 cfs @ 12.09 hrs, Volume= 0.064 af
Outflow = 0.94 cfs @ 12.09 hrs, Volume= 0.064 af, Atten= 0%, Lag= 0.0 min
Primary = 0.94 cfs @ 12.09 hrs, Volume= 0.064 af
Routed to Pond 141P : DMH 23

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.53' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.90'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.90' / 55.80' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.93 cfs @ 12.09 hrs HW=56.53' (Free Discharge)
1=Culvert (Barrel Controls 0.93 cfs @ 2.56 fps)

Pond 140P: CB 31



Stage-Area-Storage for Pond 140P: CB 31

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.90	**0.000**	56.43	0.000
55.91	0.000	56.44	0.000
55.92	0.000	56.45	0.000
55.93	0.000	56.46	0.000
55.94	0.000	56.47	0.000
55.95	0.000	56.48	0.000
55.96	0.000	56.49	0.000
55.97	0.000	56.50	0.000
55.98	0.000	56.51	0.000
55.99	0.000	56.52	0.000
56.00	0.000	56.53	0.000
56.01	0.000	56.54	0.000
56.02	0.000	56.55	0.000
56.03	0.000	56.56	0.000
56.04	0.000	56.57	0.000
56.05	0.000	56.58	0.000
56.06	0.000	56.59	0.000
56.07	0.000	56.60	0.000
56.08	0.000	56.61	0.000
56.09	0.000	56.62	0.000
56.10	0.000	56.63	0.000
56.11	0.000	56.64	0.000
56.12	0.000	56.65	0.000
56.13	0.000	56.66	0.000
56.14	0.000	56.67	0.000
56.15	0.000	56.68	0.000
56.16	0.000	56.69	0.000
56.17	0.000	56.70	0.000
56.18	0.000	56.71	0.000
56.19	0.000	56.72	0.000
56.20	0.000	56.73	0.000
56.21	0.000	56.74	0.000
56.22	0.000	56.75	0.000
56.23	0.000	56.76	0.000
56.24	0.000	56.77	0.000
56.25	0.000	56.78	0.000
56.26	0.000	56.79	0.000
56.27	0.000	56.80	0.000
56.28	0.000	56.81	0.000
56.29	0.000	56.82	0.000
56.30	0.000	56.83	0.000
56.31	0.000	56.84	0.000
56.32	0.000	56.85	0.000
56.33	0.000	56.86	0.000
56.34	0.000	56.87	0.000
56.35	0.000	56.88	0.000
56.36	0.000	56.89	0.000
56.37	0.000	56.90	0.000
56.38	0.000		
56.39	0.000		
56.40	0.000		
56.41	0.000		
56.42	0.000		

Summary for Pond 141P: DMH 23

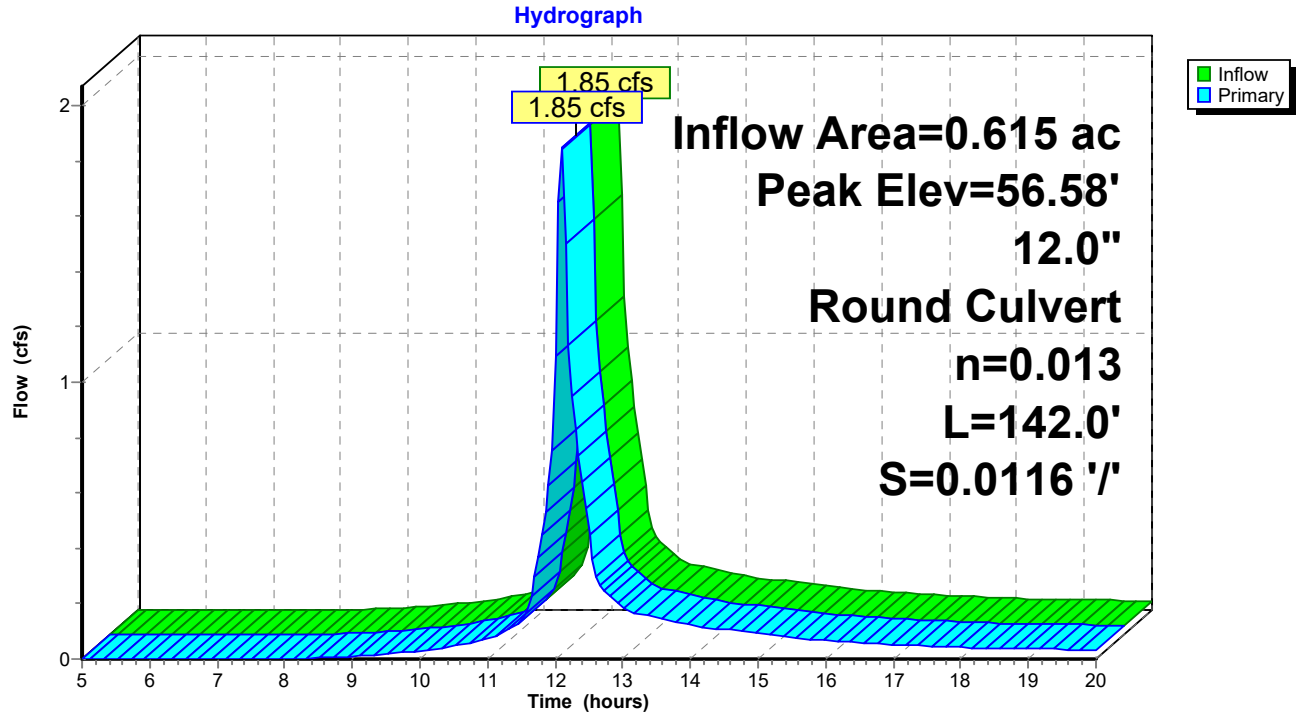
Inflow Area = 0.615 ac, 65.69% Impervious, Inflow Depth > 2.43" for 10-Year event
Inflow = 1.85 cfs @ 12.09 hrs, Volume= 0.125 af
Outflow = 1.85 cfs @ 12.09 hrs, Volume= 0.125 af, Atten= 0%, Lag= 0.0 min
Primary = 1.85 cfs @ 12.09 hrs, Volume= 0.125 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.58' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.70'	**12.0" Round Culvert** L= 142.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.70' / 54.05' S= 0.0116 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.82 cfs @ 12.09 hrs HW=56.57' (Free Discharge)
1=Culvert (Inlet Controls 1.82 cfs @ 2.51 fps)

Pond 141P: DMH 23



Stage-Area-Storage for Pond 141P: DMH 23

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.70	**0.000**	56.23	0.000
55.71	0.000	56.24	0.000
55.72	0.000	56.25	0.000
55.73	0.000	56.26	0.000
55.74	0.000	56.27	0.000
55.75	0.000	56.28	0.000
55.76	0.000	56.29	0.000
55.77	0.000	56.30	0.000
55.78	0.000	56.31	0.000
55.79	0.000	56.32	0.000
55.80	0.000	56.33	0.000
55.81	0.000	56.34	0.000
55.82	0.000	56.35	0.000
55.83	0.000	56.36	0.000
55.84	0.000	56.37	0.000
55.85	0.000	56.38	0.000
55.86	0.000	56.39	0.000
55.87	0.000	56.40	0.000
55.88	0.000	56.41	0.000
55.89	0.000	56.42	0.000
55.90	0.000	56.43	0.000
55.91	0.000	56.44	0.000
55.92	0.000	56.45	0.000
55.93	0.000	56.46	0.000
55.94	0.000	56.47	0.000
55.95	0.000	56.48	0.000
55.96	0.000	56.49	0.000
55.97	0.000	56.50	0.000
55.98	0.000	56.51	0.000
55.99	0.000	56.52	0.000
56.00	0.000	56.53	0.000
56.01	0.000	56.54	0.000
56.02	0.000	56.55	0.000
56.03	0.000	56.56	0.000
56.04	0.000	56.57	0.000
56.05	0.000	56.58	0.000
56.06	0.000	56.59	0.000
56.07	0.000	56.60	0.000
56.08	0.000	56.61	0.000
56.09	0.000	56.62	0.000
56.10	0.000	56.63	0.000
56.11	0.000	56.64	0.000
56.12	0.000	56.65	0.000
56.13	0.000	56.66	0.000
56.14	0.000	56.67	0.000
56.15	0.000	56.68	0.000
56.16	0.000	56.69	0.000
56.17	0.000	56.70	0.000
56.18	0.000		
56.19	0.000		
56.20	0.000		
56.21	0.000		
56.22	0.000		

Summary for Pond 142P: CB 40

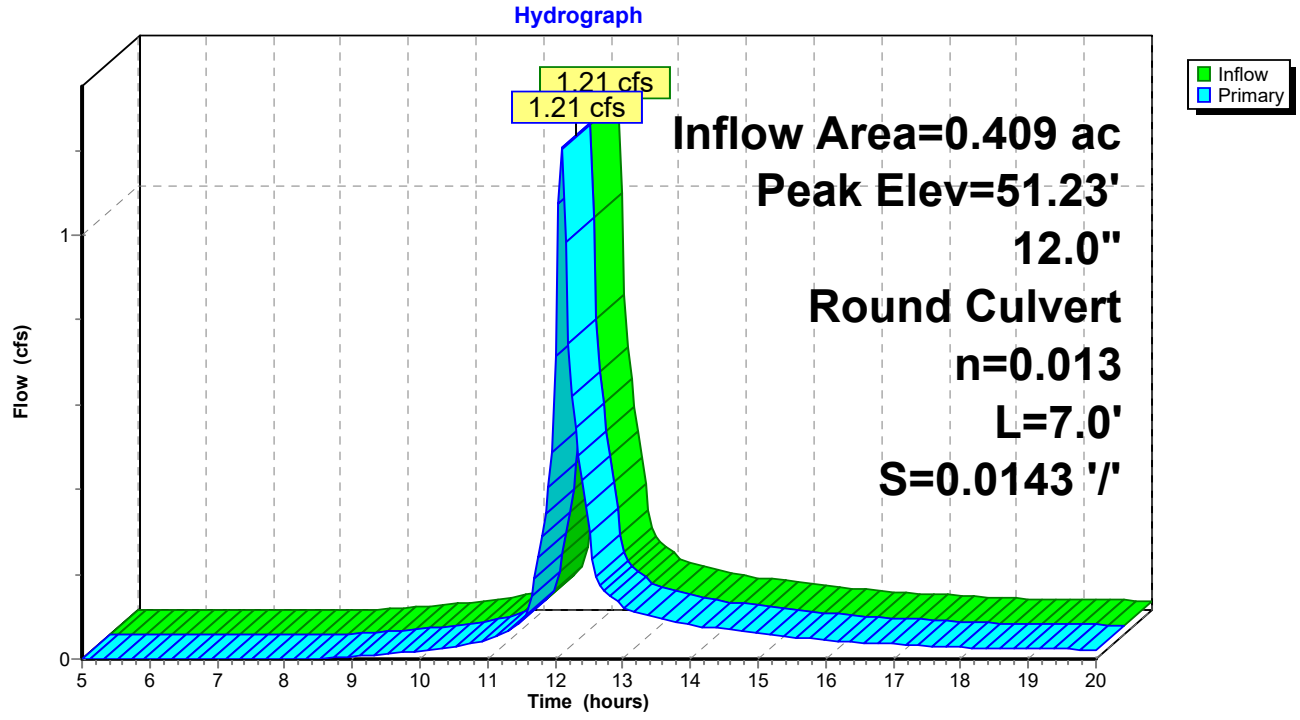
Inflow Area = 0.409 ac, 65.98% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 1.21 cfs @ 12.09 hrs, Volume= 0.082 af
Outflow = 1.21 cfs @ 12.09 hrs, Volume= 0.082 af, Atten= 0%, Lag= 0.0 min
Primary = 1.21 cfs @ 12.09 hrs, Volume= 0.082 af
Routed to Pond 144P : DMH 30

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.23' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.53'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.53' / 50.43' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.19 cfs @ 12.09 hrs HW=51.22' (Free Discharge)
1=Culvert (Barrel Controls 1.19 cfs @ 2.88 fps)

Pond 142P: CB 40



Stage-Area-Storage for Pond 142P: CB 40

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.53	**0.000**	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000		
51.02	0.000		
51.03	0.000		
51.04	0.000		
51.05	0.000		

Summary for Pond 143P: CB 41

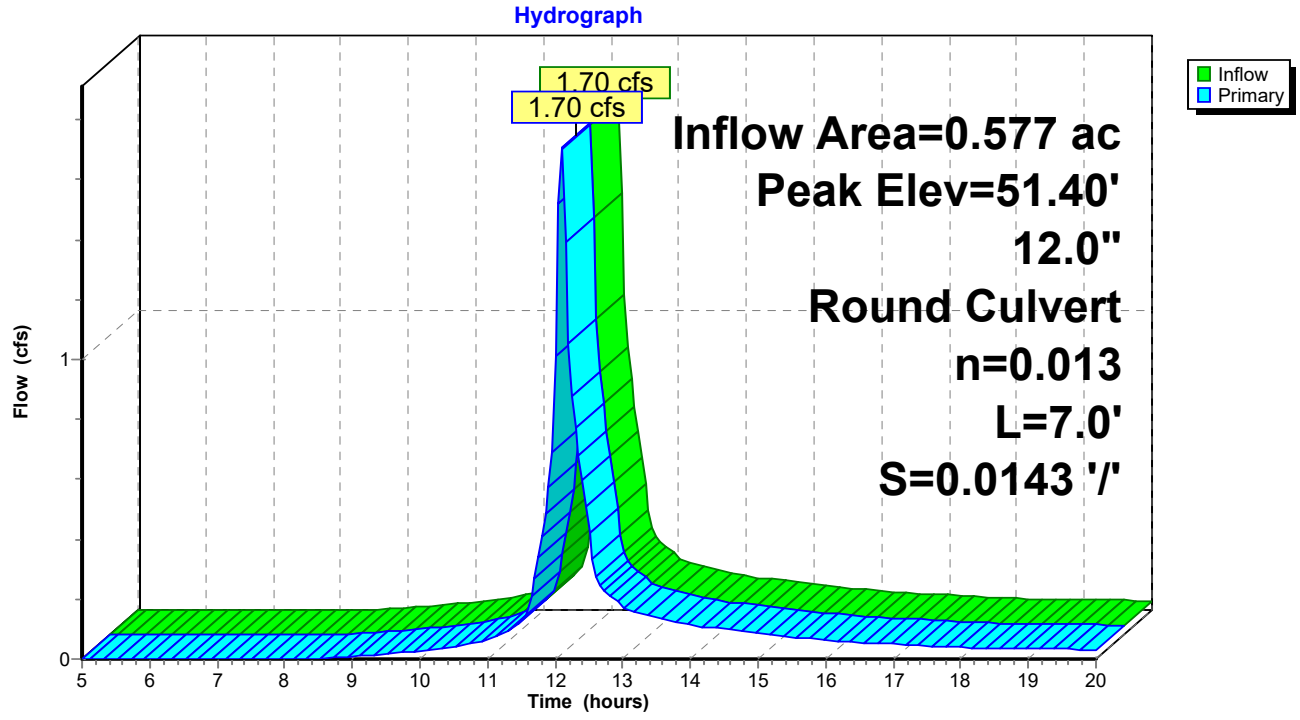
Inflow Area = 0.577 ac, 66.17% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 1.70 cfs @ 12.09 hrs, Volume= 0.115 af
Outflow = 1.70 cfs @ 12.09 hrs, Volume= 0.115 af, Atten= 0%, Lag= 0.0 min
Primary = 1.70 cfs @ 12.09 hrs, Volume= 0.115 af
Routed to Pond 144P : DMH 30

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.40' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.53'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.53' / 50.43' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.67 cfs @ 12.09 hrs HW=51.39' (Free Discharge)
1=Culvert (Barrel Controls 1.67 cfs @ 3.12 fps)

Pond 143P: CB 41



Stage-Area-Storage for Pond 143P: CB 41

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.53	**0.000**	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000		
51.02	0.000		
51.03	0.000		
51.04	0.000		
51.05	0.000		

Summary for Pond 144P: DMH 30

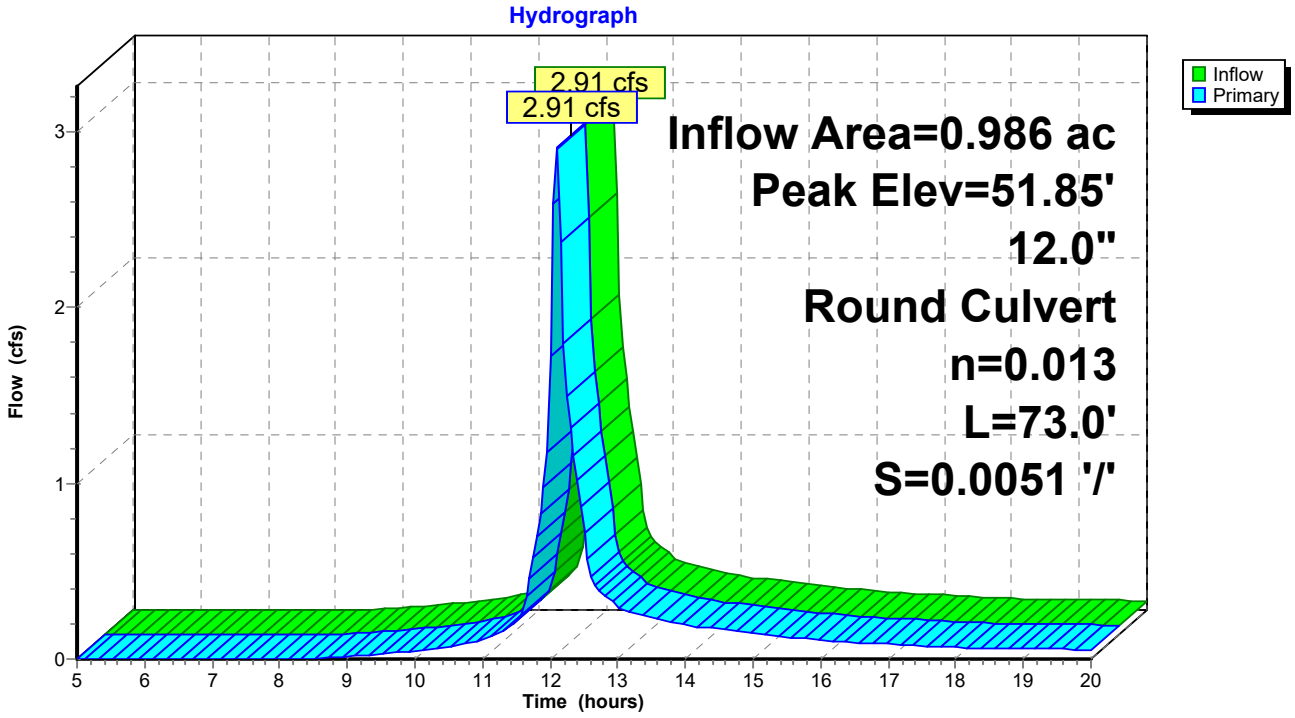
Inflow Area = 0.986 ac, 66.09% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 2.91 cfs @ 12.09 hrs, Volume= 0.196 af
Outflow = 2.91 cfs @ 12.09 hrs, Volume= 0.196 af, Atten= 0%, Lag= 0.0 min
Primary = 2.91 cfs @ 12.09 hrs, Volume= 0.196 af
Routed to Pond 145P : DMH 29

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.85' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.33'	**12.0" Round Culvert** L= 73.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.33' / 49.96' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.85 cfs @ 12.09 hrs HW=51.81' (Free Discharge)
1=Culvert (Barrel Controls 2.85 cfs @ 3.62 fps)

Pond 144P: DMH 30



Stage-Area-Storage for Pond 144P: DMH 30

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.33	**0.000**	50.86	0.000	51.39	0.000
50.34	0.000	50.87	0.000	51.40	0.000
50.35	0.000	50.88	0.000	51.41	0.000
50.36	0.000	50.89	0.000	51.42	0.000
50.37	0.000	50.90	0.000	51.43	0.000
50.38	0.000	50.91	0.000	51.44	0.000
50.39	0.000	50.92	0.000	51.45	0.000
50.40	0.000	50.93	0.000	51.46	0.000
50.41	0.000	50.94	0.000	51.47	0.000
50.42	0.000	50.95	0.000	51.48	0.000
50.43	0.000	50.96	0.000	51.49	0.000
50.44	0.000	50.97	0.000	51.50	0.000
50.45	0.000	50.98	0.000	51.51	0.000
50.46	0.000	50.99	0.000	51.52	0.000
50.47	0.000	51.00	0.000	51.53	0.000
50.48	0.000	51.01	0.000	51.54	0.000
50.49	0.000	51.02	0.000	51.55	0.000
50.50	0.000	51.03	0.000	51.56	0.000
50.51	0.000	51.04	0.000	51.57	0.000
50.52	0.000	51.05	0.000	51.58	0.000
50.53	0.000	51.06	0.000	51.59	0.000
50.54	0.000	51.07	0.000	51.60	0.000
50.55	0.000	51.08	0.000	51.61	0.000
50.56	0.000	51.09	0.000	51.62	0.000
50.57	0.000	51.10	0.000	51.63	0.000
50.58	0.000	51.11	0.000	51.64	0.000
50.59	0.000	51.12	0.000	51.65	0.000
50.60	0.000	51.13	0.000	51.66	0.000
50.61	0.000	51.14	0.000	51.67	0.000
50.62	0.000	51.15	0.000	51.68	0.000
50.63	0.000	51.16	0.000	51.69	0.000
50.64	0.000	51.17	0.000	51.70	0.000
50.65	0.000	51.18	0.000	51.71	0.000
50.66	0.000	51.19	0.000	51.72	0.000
50.67	0.000	51.20	0.000	51.73	0.000
50.68	0.000	51.21	0.000	51.74	0.000
50.69	0.000	51.22	0.000	51.75	0.000
50.70	0.000	51.23	0.000	51.76	0.000
50.71	0.000	51.24	0.000	51.77	0.000
50.72	0.000	51.25	0.000	51.78	0.000
50.73	0.000	51.26	0.000	51.79	0.000
50.74	0.000	51.27	0.000	51.80	0.000
50.75	0.000	51.28	0.000	51.81	0.000
50.76	0.000	51.29	0.000	51.82	0.000
50.77	0.000	51.30	0.000	51.83	0.000
50.78	0.000	51.31	0.000	51.84	0.000
50.79	0.000	51.32	0.000	51.85	0.000
50.80	0.000	51.33	0.000		
50.81	0.000	51.34	0.000		
50.82	0.000	51.35	0.000		
50.83	0.000	51.36	0.000		
50.84	0.000	51.37	0.000		
50.85	0.000	51.38	0.000		

Summary for Pond 145P: DMH 29

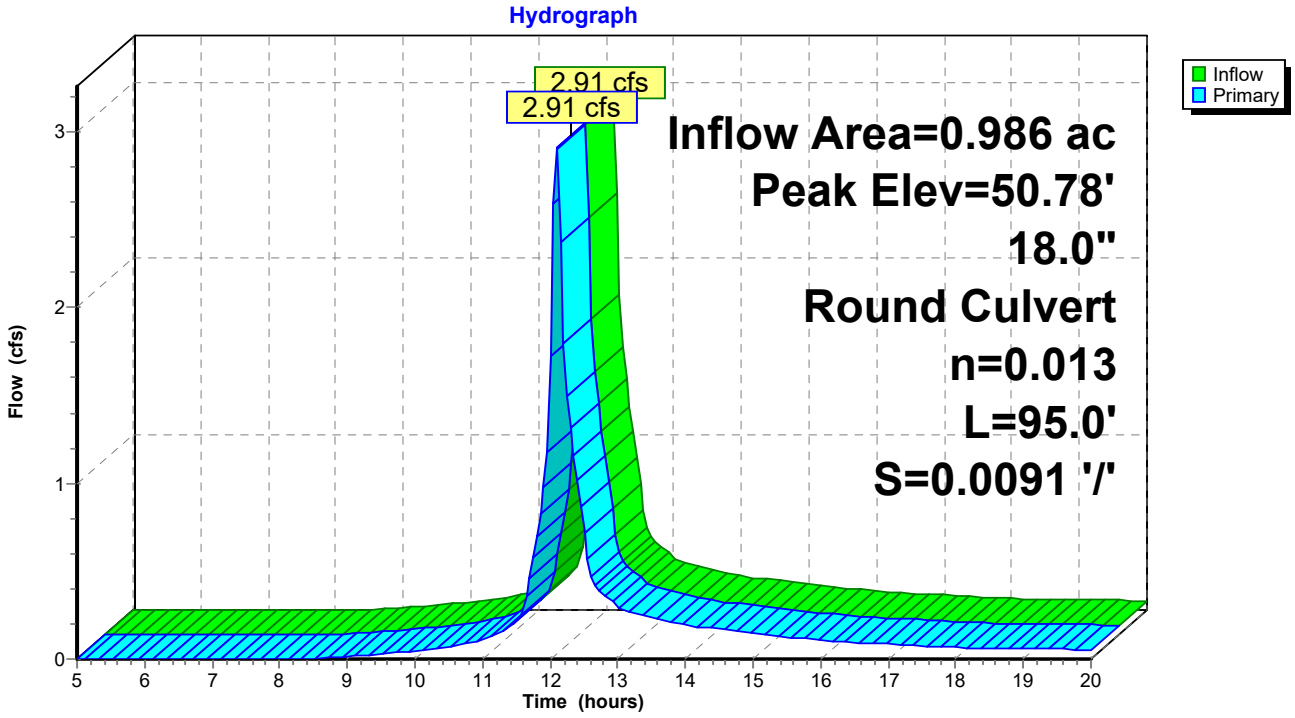
Inflow Area = 0.986 ac, 66.09% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 2.91 cfs @ 12.09 hrs, Volume= 0.196 af
Outflow = 2.91 cfs @ 12.09 hrs, Volume= 0.196 af, Atten= 0%, Lag= 0.0 min
Primary = 2.91 cfs @ 12.09 hrs, Volume= 0.196 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.86'	**18.0" Round Culvert** L= 95.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.86' / 49.00' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.86 cfs @ 12.09 hrs HW=50.77' (Free Discharge)
1=Culvert (Inlet Controls 2.86 cfs @ 2.56 fps)

Pond 145P: DMH 29



Stage-Area-Storage for Pond 145P: DMH 29

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.86	**0.000**	50.39	0.000	50.92	0.000
49.87	0.000	50.40	0.000	50.93	0.000
49.88	0.000	50.41	0.000	50.94	0.000
49.89	0.000	50.42	0.000	50.95	0.000
49.90	0.000	50.43	0.000	50.96	0.000
49.91	0.000	50.44	0.000	50.97	0.000
49.92	0.000	50.45	0.000	50.98	0.000
49.93	0.000	50.46	0.000	50.99	0.000
49.94	0.000	50.47	0.000	51.00	0.000
49.95	0.000	50.48	0.000	51.01	0.000
49.96	0.000	50.49	0.000	51.02	0.000
49.97	0.000	50.50	0.000	51.03	0.000
49.98	0.000	50.51	0.000	51.04	0.000
49.99	0.000	50.52	0.000	51.05	0.000
50.00	0.000	50.53	0.000	51.06	0.000
50.01	0.000	50.54	0.000	51.07	0.000
50.02	0.000	50.55	0.000	51.08	0.000
50.03	0.000	50.56	0.000	51.09	0.000
50.04	0.000	50.57	0.000	51.10	0.000
50.05	0.000	50.58	0.000	51.11	0.000
50.06	0.000	50.59	0.000	51.12	0.000
50.07	0.000	50.60	0.000	51.13	0.000
50.08	0.000	50.61	0.000	51.14	0.000
50.09	0.000	50.62	0.000	51.15	0.000
50.10	0.000	50.63	0.000	51.16	0.000
50.11	0.000	50.64	0.000	51.17	0.000
50.12	0.000	50.65	0.000	51.18	0.000
50.13	0.000	50.66	0.000	51.19	0.000
50.14	0.000	50.67	0.000	51.20	0.000
50.15	0.000	50.68	0.000	51.21	0.000
50.16	0.000	50.69	0.000	51.22	0.000
50.17	0.000	50.70	0.000	51.23	0.000
50.18	0.000	50.71	0.000	51.24	0.000
50.19	0.000	50.72	0.000	51.25	0.000
50.20	0.000	50.73	0.000	51.26	0.000
50.21	0.000	50.74	0.000	51.27	0.000
50.22	0.000	50.75	0.000	51.28	0.000
50.23	0.000	50.76	0.000	51.29	0.000
50.24	0.000	50.77	0.000	51.30	0.000
50.25	0.000	50.78	0.000	51.31	0.000
50.26	0.000	50.79	0.000	51.32	0.000
50.27	0.000	50.80	0.000	51.33	0.000
50.28	0.000	50.81	0.000	51.34	0.000
50.29	0.000	50.82	0.000	51.35	0.000
50.30	0.000	50.83	0.000	51.36	0.000
50.31	0.000	50.84	0.000		
50.32	0.000	50.85	0.000		
50.33	0.000	50.86	0.000		
50.34	0.000	50.87	0.000		
50.35	0.000	50.88	0.000		
50.36	0.000	50.89	0.000		
50.37	0.000	50.90	0.000		
50.38	0.000	50.91	0.000		

Summary for Pond 146P: Inf. Basin 2

Inflow Area = 1.642 ac, 64.89% Impervious, Inflow Depth > 2.42" for 10-Year event
Inflow = 4.79 cfs @ 12.09 hrs, Volume= 0.332 af
Outflow = 1.71 cfs @ 12.38 hrs, Volume= 0.332 af, Atten= 64%, Lag= 17.5 min
Discarded = 1.71 cfs @ 12.38 hrs, Volume= 0.332 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.15' @ 12.38 hrs Surf.Area= 3,452 sf Storage= 3,107 cf

Plug-Flow detention time= 13.5 min calculated for 0.330 af (100% of inflow)
Center-of-Mass det. time= 13.2 min (796.5 - 783.3)

Volume	Invert	Avail.Storage	Storage Description
#1	49.00'	18,306 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

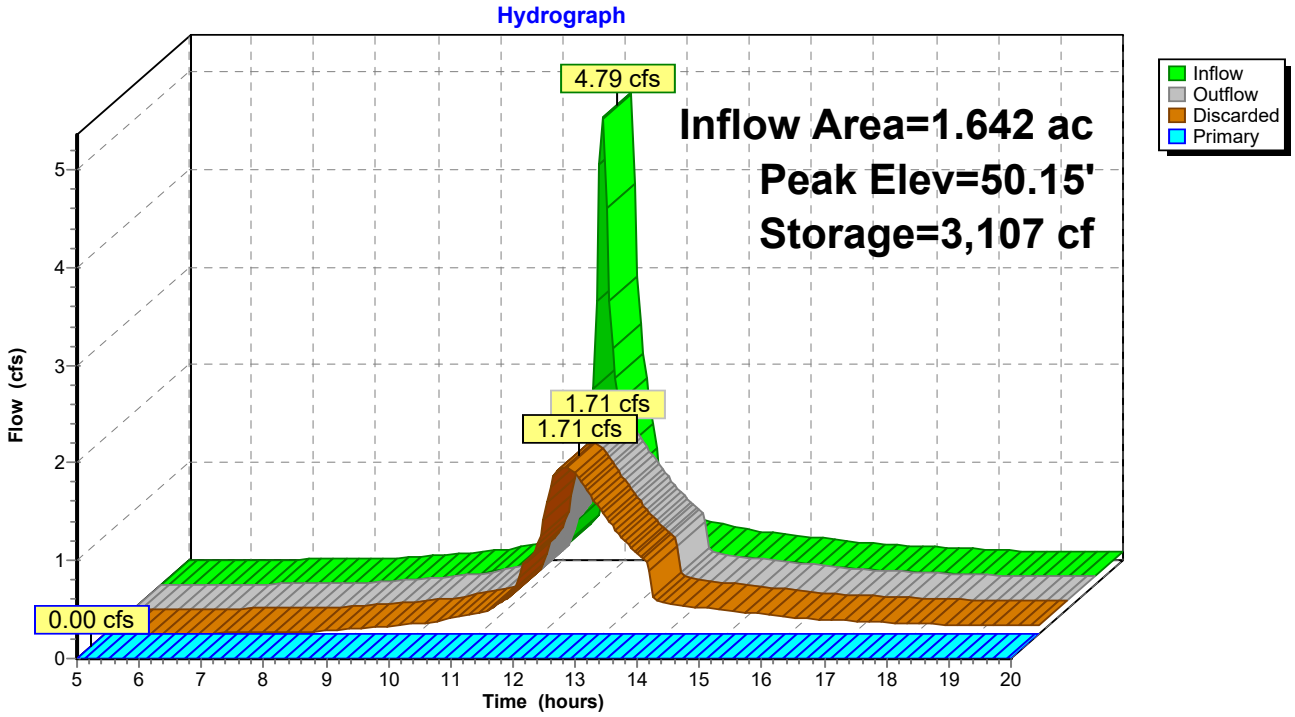
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
49.00	1,966	0	0
50.00	3,261	2,614	2,614
51.00	4,560	3,911	6,524
52.00	5,952	5,256	11,780
53.00	7,099	6,526	18,306

Device	Routing	Invert	Outlet Devices
#1	Discarded	49.00'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 47.00'
#2	Primary	49.00'	**12.0" Round Culvert** L= 42.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.00' / 45.00' S= 0.0952 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	52.20'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=1.71 cfs @ 12.38 hrs HW=50.15' (Free Discharge)
└**1=Exfiltration** (Controls 1.71 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=49.00' (Free Discharge)
└**2=Culvert** (Passes 0.00 cfs of 0.00 cfs potential flow)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Pond 146P: Inf. Basin 2



Stage-Area-Storage for Pond 146P: Inf. Basin 2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
49.00	1,966	0
49.05	2,031	100
49.10	2,096	203
49.15	2,160	309
49.20	2,225	419
49.25	2,290	532
49.30	2,354	648
49.35	2,419	767
49.40	2,484	890
49.45	2,549	1,016
49.50	2,614	1,145
49.55	2,678	1,277
49.60	2,743	1,413
49.65	2,808	1,551
49.70	2,873	1,693
49.75	2,937	1,839
49.80	3,002	1,987
49.85	3,067	2,139
49.90	3,131	2,294
49.95	3,196	2,452
50.00	3,261	2,614
50.05	3,326	2,778
50.10	3,391	2,946
50.15	3,456	3,117
50.20	3,521	3,292
50.25	3,586	3,469
50.30	3,651	3,650
50.35	3,716	3,834
50.40	3,781	4,022
50.45	3,846	4,212
50.50	3,911	4,406
50.55	3,975	4,604
50.60	4,040	4,804
50.65	4,105	5,008
50.70	4,170	5,214
50.75	4,235	5,425
50.80	4,300	5,638
50.85	4,365	5,855
50.90	4,430	6,074
50.95	4,495	6,298
51.00	4,560	6,524
51.05	4,630	6,754
51.10	4,699	6,987
51.15	4,769	7,224
51.20	4,838	7,464
51.25	4,908	7,708
51.30	4,978	7,955
51.35	5,047	8,205
51.40	5,117	8,459
51.45	5,186	8,717
51.50	5,256	8,978
51.55	5,326	9,243
51.60	5,395	9,511
51.65	5,465	9,782
51.70	5,534	10,057
51.75	5,604	10,336
51.80	5,674	10,617
51.85	5,743	10,903
51.90	5,813	11,192
51.95	5,882	11,484
52.00	5,952	11,780
52.05	6,009	12,079
52.10	6,067	12,381
52.15	6,124	12,686
52.20	6,181	12,993
52.25	6,239	13,304
52.30	6,296	13,617
52.35	6,353	13,933
52.40	6,411	14,253
52.45	6,468	14,575
52.50	6,526	14,899
52.55	6,583	15,227
52.60	6,640	15,558
52.65	6,698	15,891
52.70	6,755	16,227
52.75	6,812	16,567
52.80	6,870	16,909
52.85	6,927	17,254
52.90	6,984	17,601
52.95	7,042	17,952
53.00	**7,099**	**18,306**

Summary for Pond 147P: CB 28

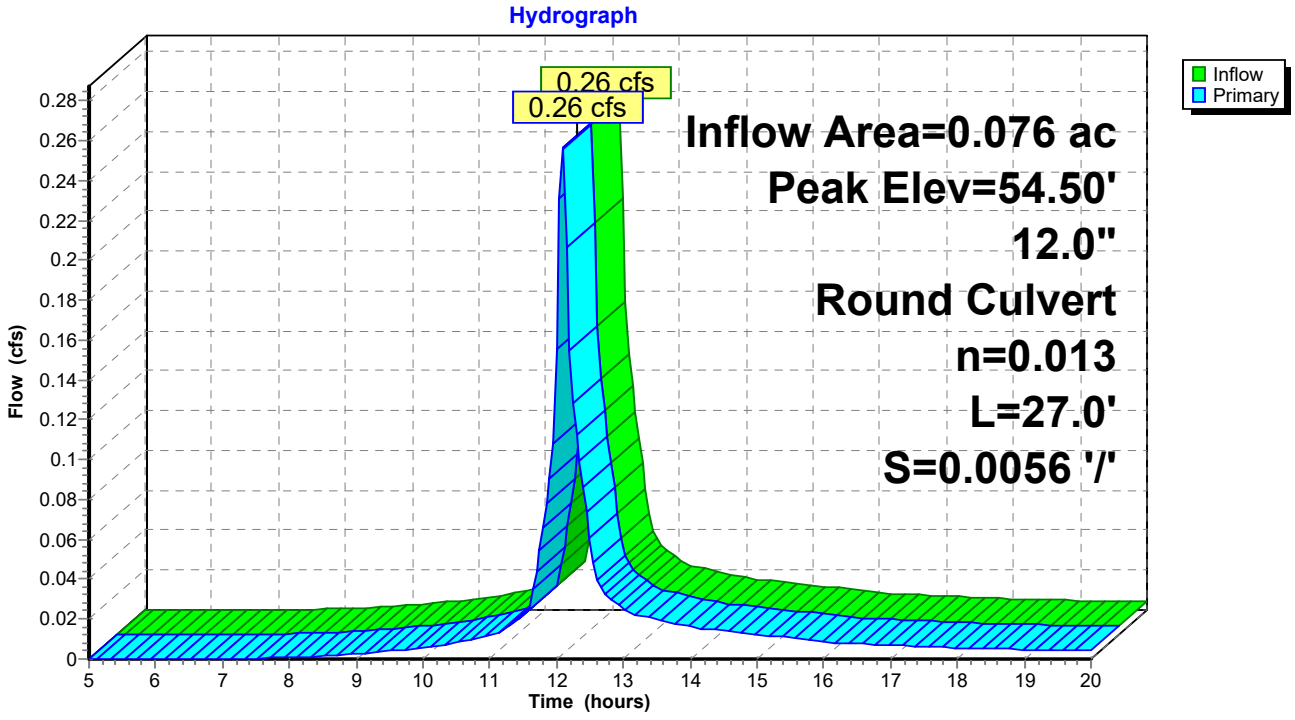
Inflow Area = 0.076 ac, 72.53% Impervious, Inflow Depth > 2.74" for 10-Year event
Inflow = 0.26 cfs @ 12.09 hrs, Volume= 0.017 af
Outflow = 0.26 cfs @ 12.09 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.26 cfs @ 12.09 hrs, Volume= 0.017 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.50' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.20'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.20' / 54.05' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.25 cfs @ 12.09 hrs HW=54.50' (Free Discharge)
1=Culvert (Barrel Controls 0.25 cfs @ 1.93 fps)

Pond 147P: CB 28



Stage-Area-Storage for Pond 147P: CB 28

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.20	**0.000**	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000		
54.69	0.000		
54.70	0.000		
54.71	0.000		
54.72	0.000		

Summary for Pond 148P: CB 43

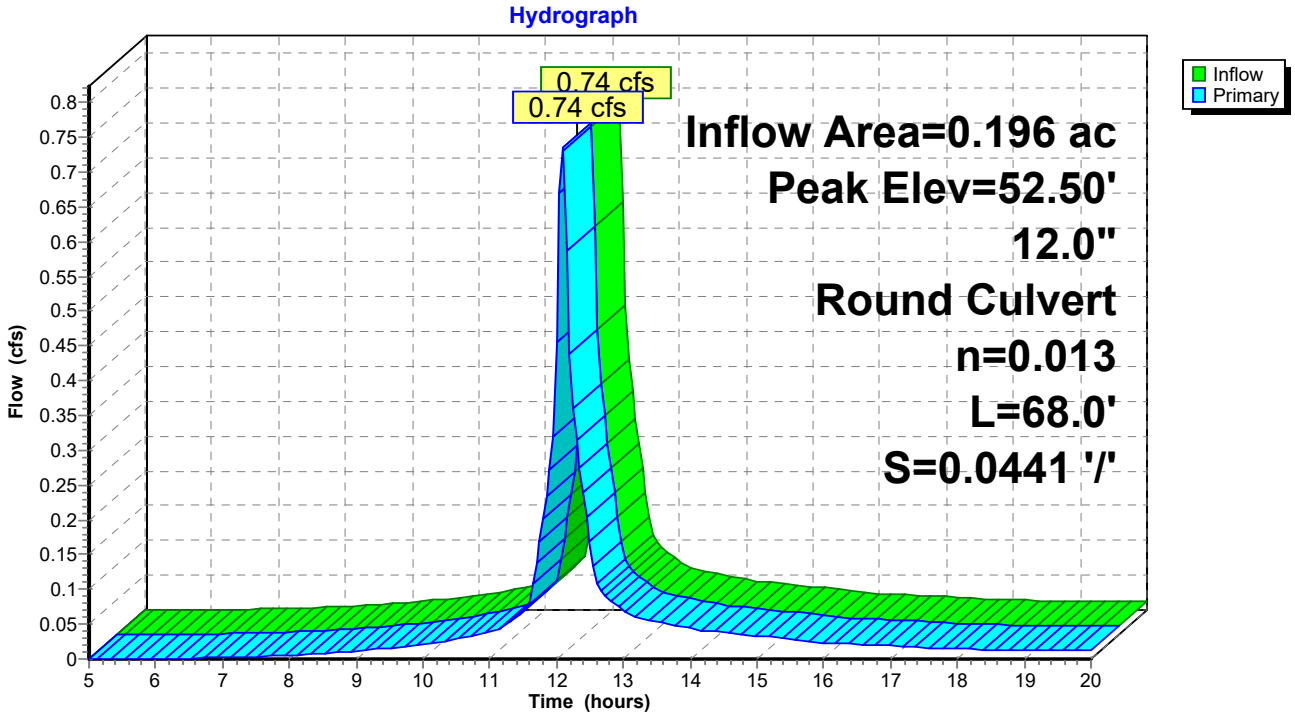
Inflow Area = 0.196 ac, 80.21% Impervious, Inflow Depth > 3.11" for 10-Year event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 0.051 af
Outflow = 0.74 cfs @ 12.09 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.74 cfs @ 12.09 hrs, Volume= 0.051 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.50' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.00'	**12.0" Round Culvert** L= 68.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.00' / 49.00' S= 0.0441 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.72 cfs @ 12.09 hrs HW=52.49' (Free Discharge)
1=Culvert (Inlet Controls 0.72 cfs @ 1.88 fps)

Pond 148P: CB 43



Stage-Area-Storage for Pond 148P: CB 43

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.00	**0.000**	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000		
52.49	0.000		
52.50	0.000		
52.51	0.000		
52.52	0.000		

Summary for Pond 149P: CB 29

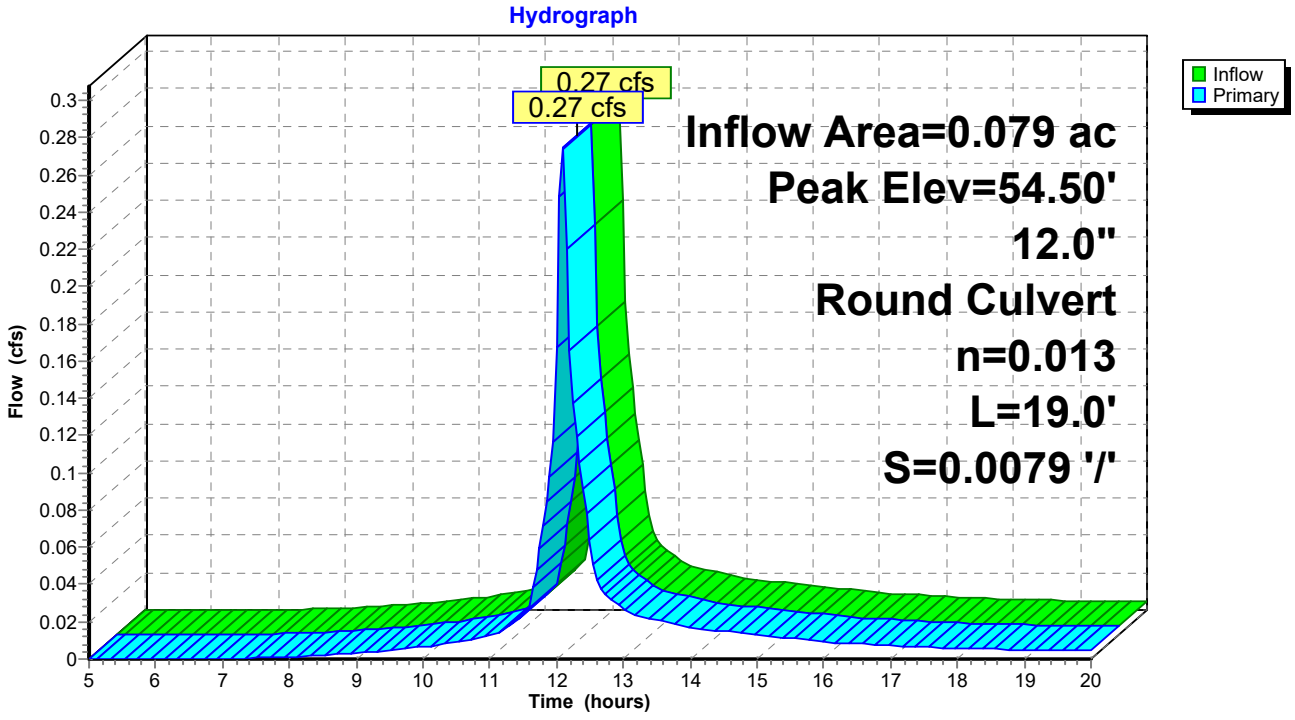
Inflow Area = 0.079 ac, 73.82% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af
Outflow = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.09 hrs, Volume= 0.019 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.50' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.20'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.20' / 54.05' S= 0.0079 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=54.49' (Free Discharge)
1=Culvert (Barrel Controls 0.27 cfs @ 2.09 fps)

Pond 149P: CB 29



Stage-Area-Storage for Pond 149P: CB 29

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.20	**0.000**	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000		
54.69	0.000		
54.70	0.000		
54.71	0.000		
54.72	0.000		

Summary for Pond 150P: DMH 22

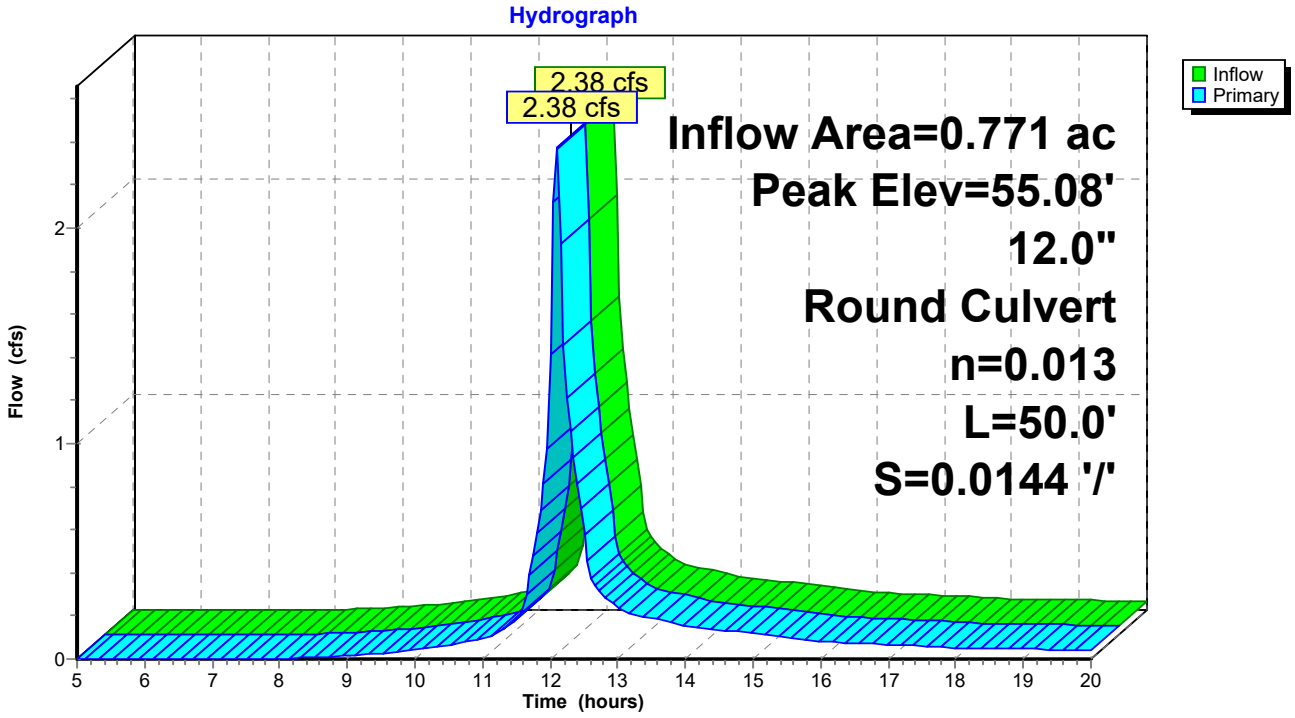
Inflow Area = 0.771 ac, 67.20% Impervious, Inflow Depth > 2.50" for 10-Year event
Inflow = 2.38 cfs @ 12.09 hrs, Volume= 0.161 af
Outflow = 2.38 cfs @ 12.09 hrs, Volume= 0.161 af, Atten= 0%, Lag= 0.0 min
Primary = 2.38 cfs @ 12.09 hrs, Volume= 0.161 af
Routed to Pond 161P : DMH 19

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.08' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.95'	**12.0" Round Culvert** L= 50.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.95' / 53.23' S= 0.0144 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.34 cfs @ 12.09 hrs HW=55.06' (Free Discharge)
1=Culvert (Inlet Controls 2.34 cfs @ 2.97 fps)

Pond 150P: DMH 22



Stage-Area-Storage for Pond 150P: DMH 22

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.95	**0.000**	54.48	0.000	55.01	0.000
53.96	0.000	54.49	0.000	55.02	0.000
53.97	0.000	54.50	0.000	55.03	0.000
53.98	0.000	54.51	0.000	55.04	0.000
53.99	0.000	54.52	0.000	55.05	0.000
54.00	0.000	54.53	0.000	55.06	0.000
54.01	0.000	54.54	0.000	55.07	0.000
54.02	0.000	54.55	0.000	55.08	0.000
54.03	0.000	54.56	0.000	55.09	0.000
54.04	0.000	54.57	0.000		
54.05	0.000	54.58	0.000		
54.06	0.000	54.59	0.000		
54.07	0.000	54.60	0.000		
54.08	0.000	54.61	0.000		
54.09	0.000	54.62	0.000		
54.10	0.000	54.63	0.000		
54.11	0.000	54.64	0.000		
54.12	0.000	54.65	0.000		
54.13	0.000	54.66	0.000		
54.14	0.000	54.67	0.000		
54.15	0.000	54.68	0.000		
54.16	0.000	54.69	0.000		
54.17	0.000	54.70	0.000		
54.18	0.000	54.71	0.000		
54.19	0.000	54.72	0.000		
54.20	0.000	54.73	0.000		
54.21	0.000	54.74	0.000		
54.22	0.000	54.75	0.000		
54.23	0.000	54.76	0.000		
54.24	0.000	54.77	0.000		
54.25	0.000	54.78	0.000		
54.26	0.000	54.79	0.000		
54.27	0.000	54.80	0.000		
54.28	0.000	54.81	0.000		
54.29	0.000	54.82	0.000		
54.30	0.000	54.83	0.000		
54.31	0.000	54.84	0.000		
54.32	0.000	54.85	0.000		
54.33	0.000	54.86	0.000		
54.34	0.000	54.87	0.000		
54.35	0.000	54.88	0.000		
54.36	0.000	54.89	0.000		
54.37	0.000	54.90	0.000		
54.38	0.000	54.91	0.000		
54.39	0.000	54.92	0.000		
54.40	0.000	54.93	0.000		
54.41	0.000	54.94	0.000		
54.42	0.000	54.95	0.000		
54.43	0.000	54.96	0.000		
54.44	0.000	54.97	0.000		
54.45	0.000	54.98	0.000		
54.46	0.000	54.99	0.000		
54.47	0.000	55.00	0.000		

Summary for Pond 151P: CB 22

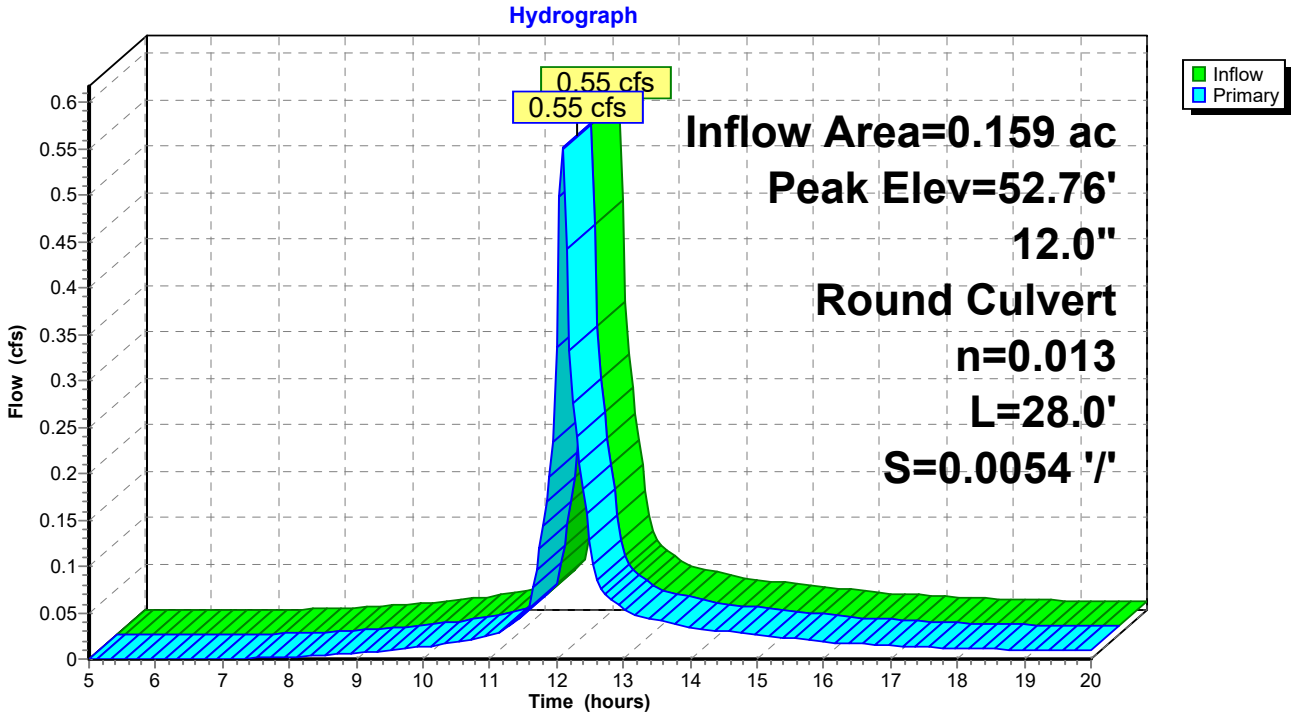
Inflow Area = 0.159 ac, 74.64% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af
Outflow = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af, Atten= 0%, Lag= 0.0 min
Primary = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.76' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.30'	**12.0" Round Culvert** L= 28.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.30' / 52.15' S= 0.0054 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.54 cfs @ 12.09 hrs HW=52.75' (Free Discharge)
1=Culvert (Barrel Controls 0.54 cfs @ 2.31 fps)

Pond 151P: CB 22



Stage-Area-Storage for Pond 151P: CB 22

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.30	**0.000**	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000	53.17	0.000
52.65	0.000	53.18	0.000
52.66	0.000	53.19	0.000
52.67	0.000	53.20	0.000
52.68	0.000	53.21	0.000
52.69	0.000	53.22	0.000
52.70	0.000	53.23	0.000
52.71	0.000	53.24	0.000
52.72	0.000	53.25	0.000
52.73	0.000	53.26	0.000
52.74	0.000	53.27	0.000
52.75	0.000	53.28	0.000
52.76	0.000	53.29	0.000
52.77	0.000	53.30	0.000
52.78	0.000		
52.79	0.000		
52.80	0.000		
52.81	0.000		
52.82	0.000		

Summary for Pond 152P: CB 23

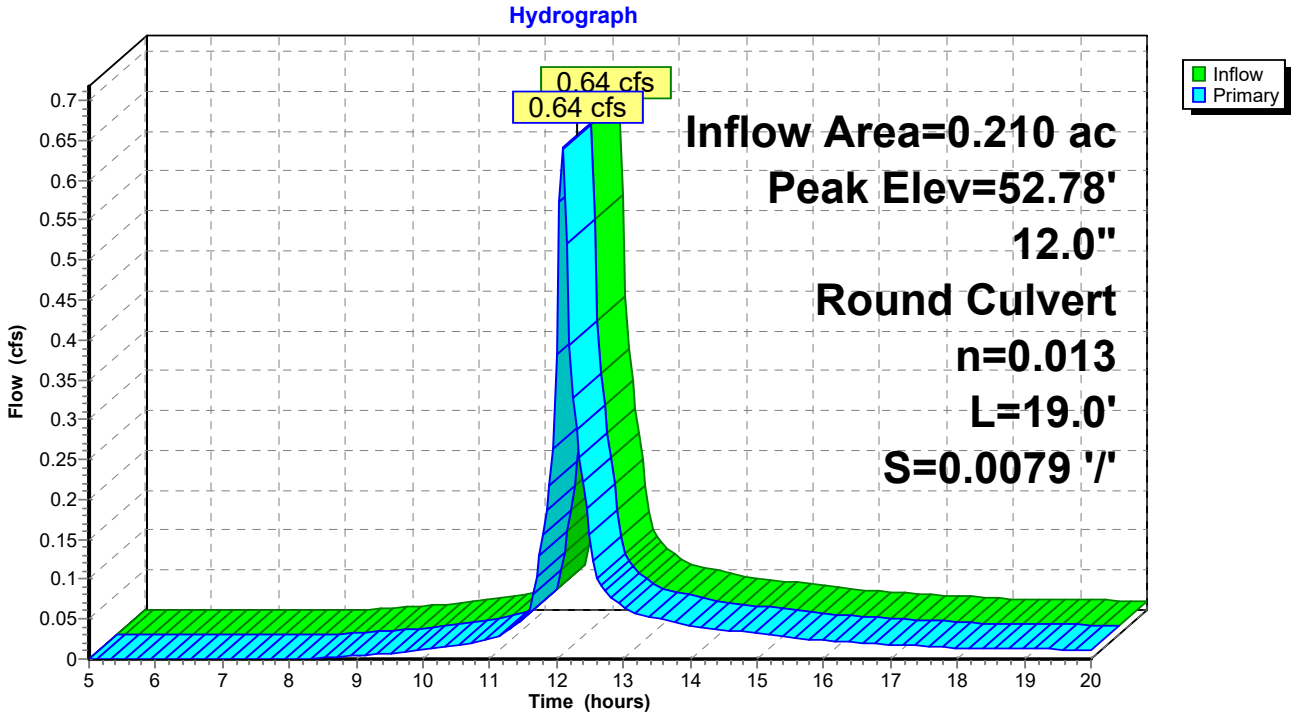
Inflow Area = 0.210 ac, 67.61% Impervious, Inflow Depth > 2.48" for 10-Year event
Inflow = 0.64 cfs @ 12.09 hrs, Volume= 0.043 af
Outflow = 0.64 cfs @ 12.09 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.09 hrs, Volume= 0.043 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.30'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.30' / 52.15' S= 0.0079 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.63 cfs @ 12.09 hrs HW=52.77' (Free Discharge)
1=Culvert (Barrel Controls 0.63 cfs @ 2.52 fps)

Pond 152P: CB 23



Stage-Area-Storage for Pond 152P: CB 23

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.30	**0.000**	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000	53.17	0.000
52.65	0.000	53.18	0.000
52.66	0.000	53.19	0.000
52.67	0.000	53.20	0.000
52.68	0.000	53.21	0.000
52.69	0.000	53.22	0.000
52.70	0.000	53.23	0.000
52.71	0.000	53.24	0.000
52.72	0.000	53.25	0.000
52.73	0.000	53.26	0.000
52.74	0.000	53.27	0.000
52.75	0.000	53.28	0.000
52.76	0.000	53.29	0.000
52.77	0.000	53.30	0.000
52.78	0.000		
52.79	0.000		
52.80	0.000		
52.81	0.000		
52.82	0.000		

Summary for Pond 153P: DMH 17

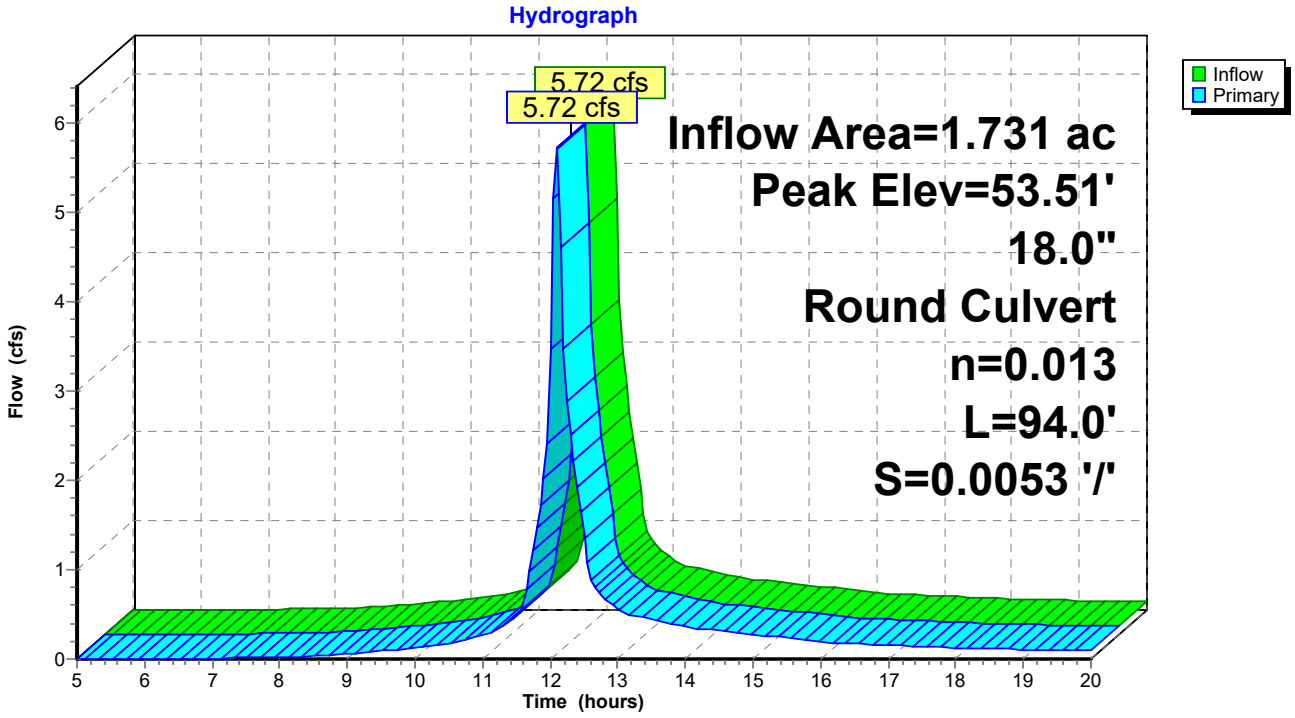
Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 5.72 cfs @ 12.09 hrs, Volume= 0.391 af
Outflow = 5.72 cfs @ 12.09 hrs, Volume= 0.391 af, Atten= 0%, Lag= 0.0 min
Primary = 5.72 cfs @ 12.09 hrs, Volume= 0.391 af
Routed to Pond 204P : DMH 18

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.51' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.05'	**18.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.05' / 51.55' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.63 cfs @ 12.09 hrs HW=53.49' (Free Discharge)
1=Culvert (Barrel Controls 5.63 cfs @ 4.13 fps)

Pond 153P: DMH 17



Stage-Area-Storage for Pond 153P: DMH 17

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.05	**0.000**	52.58	0.000	53.11	0.000
52.06	0.000	52.59	0.000	53.12	0.000
52.07	0.000	52.60	0.000	53.13	0.000
52.08	0.000	52.61	0.000	53.14	0.000
52.09	0.000	52.62	0.000	53.15	0.000
52.10	0.000	52.63	0.000	53.16	0.000
52.11	0.000	52.64	0.000	53.17	0.000
52.12	0.000	52.65	0.000	53.18	0.000
52.13	0.000	52.66	0.000	53.19	0.000
52.14	0.000	52.67	0.000	53.20	0.000
52.15	0.000	52.68	0.000	53.21	0.000
52.16	0.000	52.69	0.000	53.22	0.000
52.17	0.000	52.70	0.000	53.23	0.000
52.18	0.000	52.71	0.000	53.24	0.000
52.19	0.000	52.72	0.000	53.25	0.000
52.20	0.000	52.73	0.000	53.26	0.000
52.21	0.000	52.74	0.000	53.27	0.000
52.22	0.000	52.75	0.000	53.28	0.000
52.23	0.000	52.76	0.000	53.29	0.000
52.24	0.000	52.77	0.000	53.30	0.000
52.25	0.000	52.78	0.000	53.31	0.000
52.26	0.000	52.79	0.000	53.32	0.000
52.27	0.000	52.80	0.000	53.33	0.000
52.28	0.000	52.81	0.000	53.34	0.000
52.29	0.000	52.82	0.000	53.35	0.000
52.30	0.000	52.83	0.000	53.36	0.000
52.31	0.000	52.84	0.000	53.37	0.000
52.32	0.000	52.85	0.000	53.38	0.000
52.33	0.000	52.86	0.000	53.39	0.000
52.34	0.000	52.87	0.000	53.40	0.000
52.35	0.000	52.88	0.000	53.41	0.000
52.36	0.000	52.89	0.000	53.42	0.000
52.37	0.000	52.90	0.000	53.43	0.000
52.38	0.000	52.91	0.000	53.44	0.000
52.39	0.000	52.92	0.000	53.45	0.000
52.40	0.000	52.93	0.000	53.46	0.000
52.41	0.000	52.94	0.000	53.47	0.000
52.42	0.000	52.95	0.000	53.48	0.000
52.43	0.000	52.96	0.000	53.49	0.000
52.44	0.000	52.97	0.000	53.50	0.000
52.45	0.000	52.98	0.000	53.51	0.000
52.46	0.000	52.99	0.000	53.52	0.000
52.47	0.000	53.00	0.000	53.53	0.000
52.48	0.000	53.01	0.000	53.54	0.000
52.49	0.000	53.02	0.000	53.55	0.000
52.50	0.000	53.03	0.000		
52.51	0.000	53.04	0.000		
52.52	0.000	53.05	0.000		
52.53	0.000	53.06	0.000		
52.54	0.000	53.07	0.000		
52.55	0.000	53.08	0.000		
52.56	0.000	53.09	0.000		
52.57	0.000	53.10	0.000		

Summary for Pond 154P: CB 18

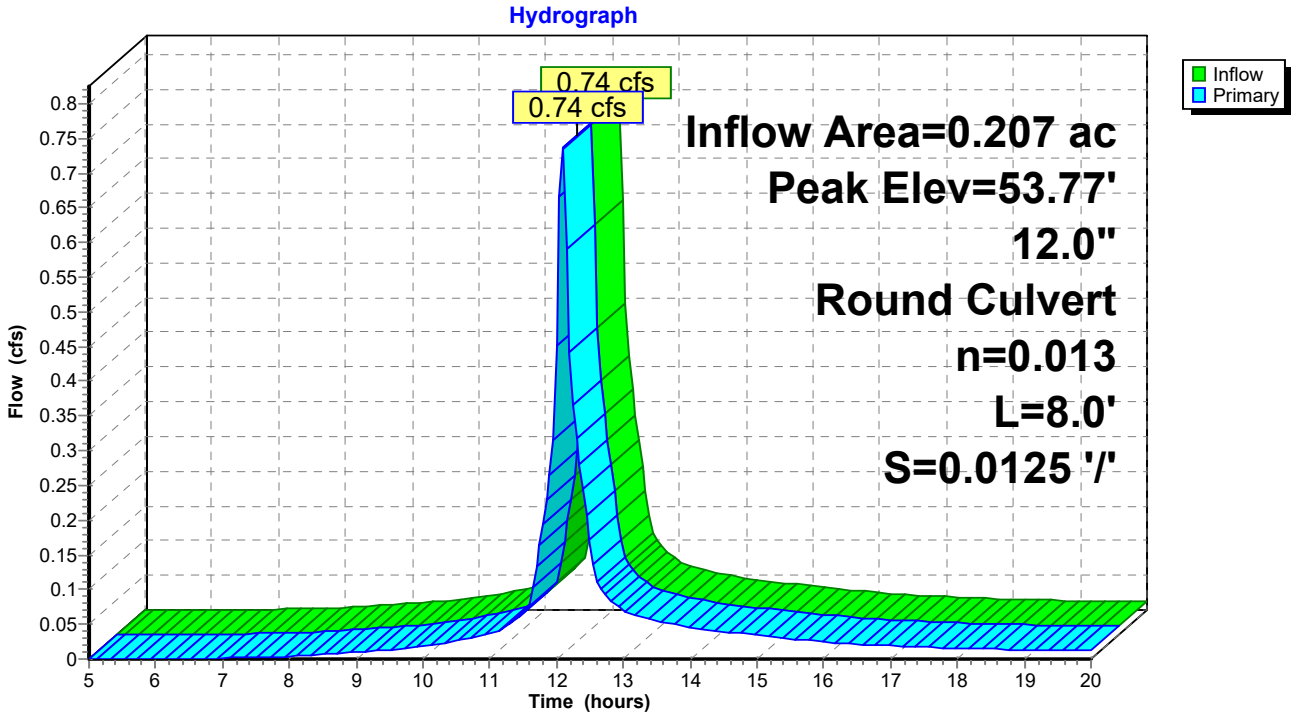
Inflow Area = 0.207 ac, 76.76% Impervious, Inflow Depth > 2.92" for 10-Year event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 0.050 af
Outflow = 0.74 cfs @ 12.09 hrs, Volume= 0.050 af, Atten= 0%, Lag= 0.0 min
Primary = 0.74 cfs @ 12.09 hrs, Volume= 0.050 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.25'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.25' / 53.15' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.72 cfs @ 12.09 hrs HW=53.76' (Free Discharge)
1=Culvert (Barrel Controls 0.72 cfs @ 2.58 fps)

Pond 154P: CB 18



Stage-Area-Storage for Pond 154P: CB 18

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.25	**0.000**	53.78	0.000
53.26	0.000	53.79	0.000
53.27	0.000	53.80	0.000
53.28	0.000	53.81	0.000
53.29	0.000	53.82	0.000
53.30	0.000	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000		
53.74	0.000		
53.75	0.000		
53.76	0.000		
53.77	0.000		

Summary for Pond 155P: CB 27

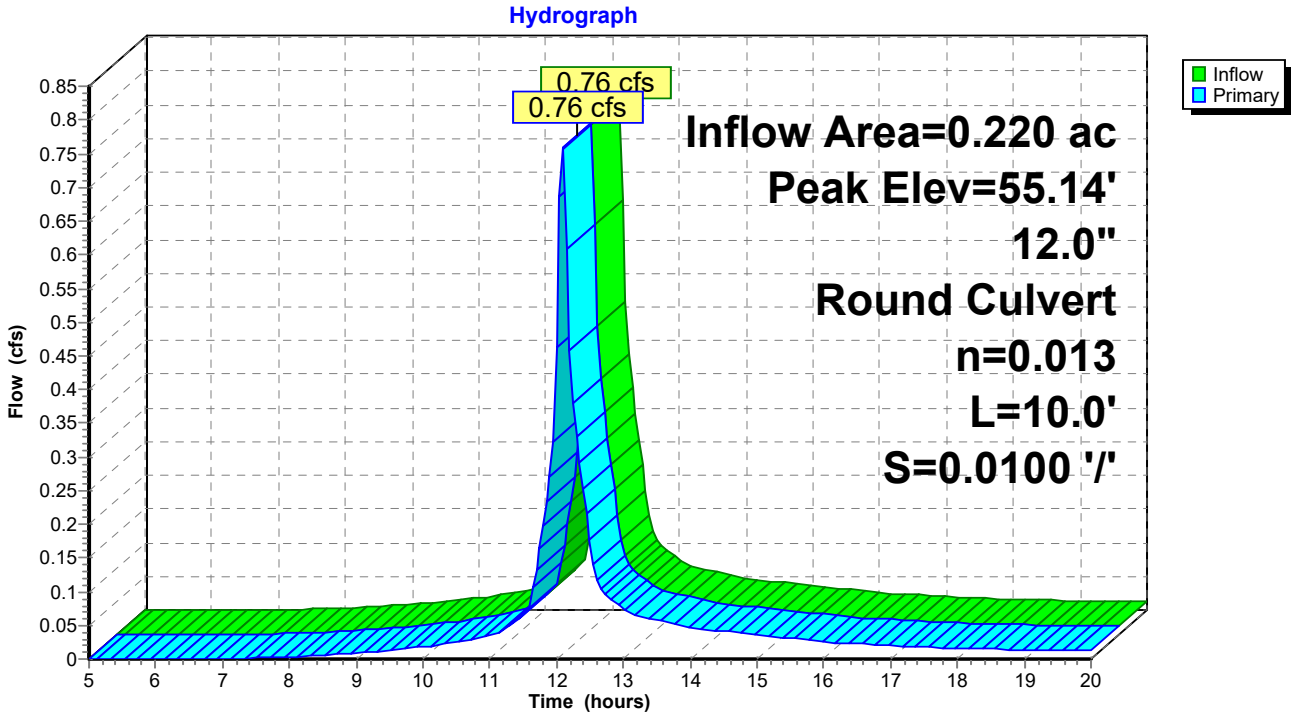
Inflow Area = 0.220 ac, 74.64% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af
Outflow = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af, Atten= 0%, Lag= 0.0 min
Primary = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af
Routed to Pond 157P : DMH 21

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.14' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.74 cfs @ 12.09 hrs HW=55.13' (Free Discharge)
1=Culvert (Barrel Controls 0.74 cfs @ 2.56 fps)

Pond 155P: CB 27



Stage-Area-Storage for Pond 155P: CB 27

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 156P: CB 26

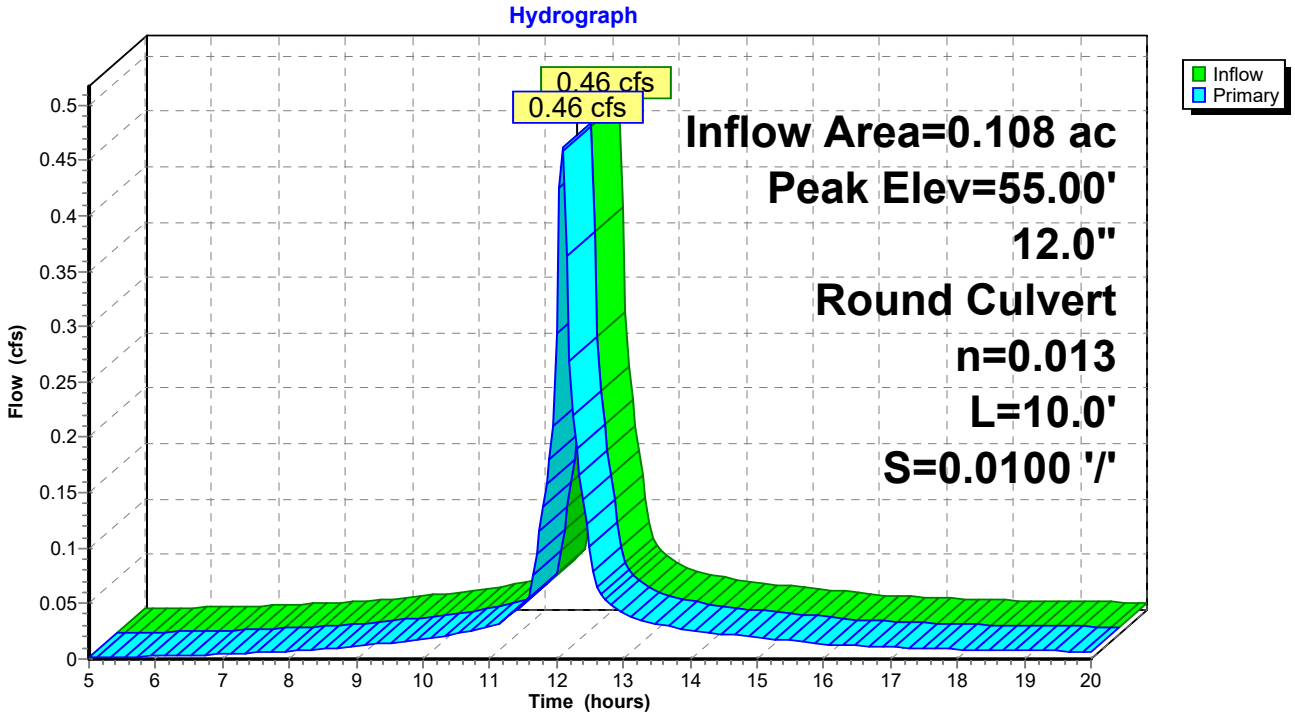
Inflow Area = 0.108 ac, 90.07% Impervious, Inflow Depth > 3.71" for 10-Year event
Inflow = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.46 cfs @ 12.09 hrs, Volume= 0.033 af
Routed to Pond 157P : DMH 21

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.00' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.45 cfs @ 12.09 hrs HW=55.00' (Free Discharge)
1=Culvert (Barrel Controls 0.45 cfs @ 2.30 fps)

Pond 156P: CB 26



Stage-Area-Storage for Pond 156P: CB 26

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 157P: DMH 21

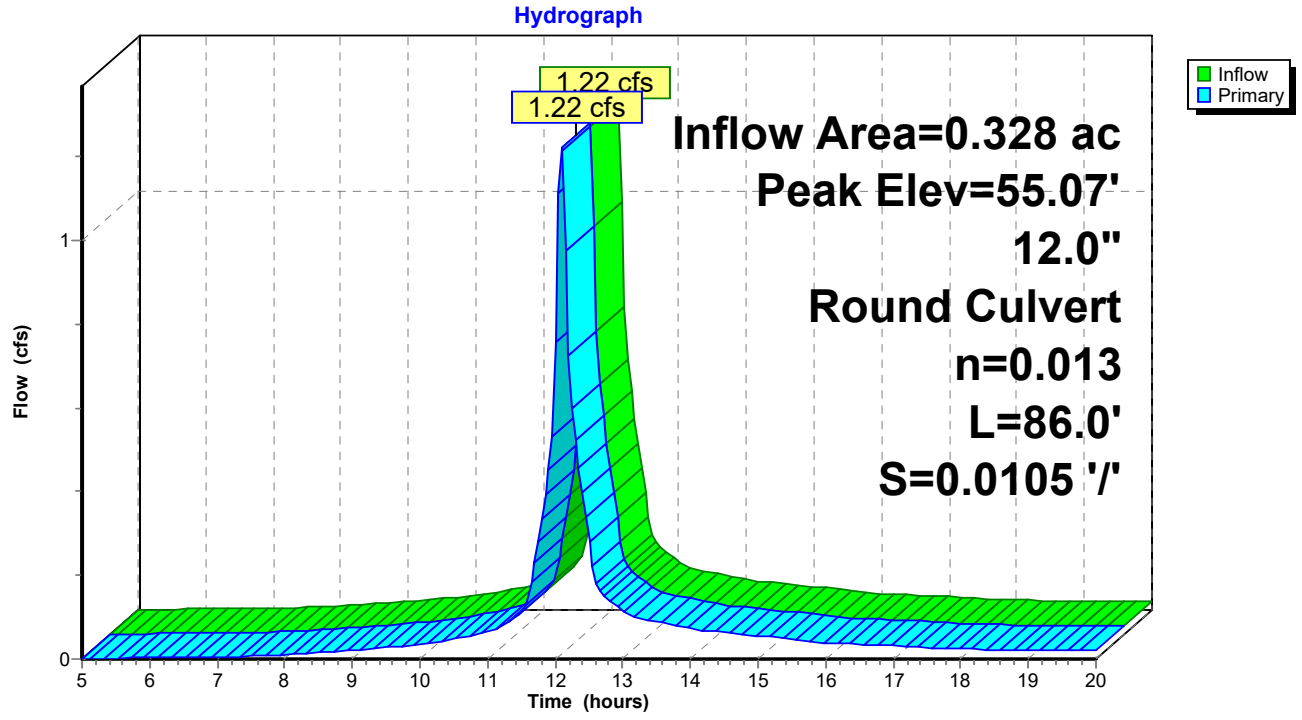
Inflow Area = 0.328 ac, 79.72% Impervious, Inflow Depth > 3.12" for 10-Year event
Inflow = 1.22 cfs @ 12.09 hrs, Volume= 0.085 af
Outflow = 1.22 cfs @ 12.09 hrs, Volume= 0.085 af, Atten= 0%, Lag= 0.0 min
Primary = 1.22 cfs @ 12.09 hrs, Volume= 0.085 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.07' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.40'	**12.0" Round Culvert** L= 86.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.40' / 53.50' S= 0.0105 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.19 cfs @ 12.09 hrs HW=55.06' (Free Discharge)
1=Culvert (Inlet Controls 1.19 cfs @ 2.18 fps)

Pond 157P: DMH 21



Stage-Area-Storage for Pond 157P: DMH 21

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.40	**0.000**	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000		
54.89	0.000		
54.90	0.000		
54.91	0.000		
54.92	0.000		

Summary for Pond 158P: CB 24

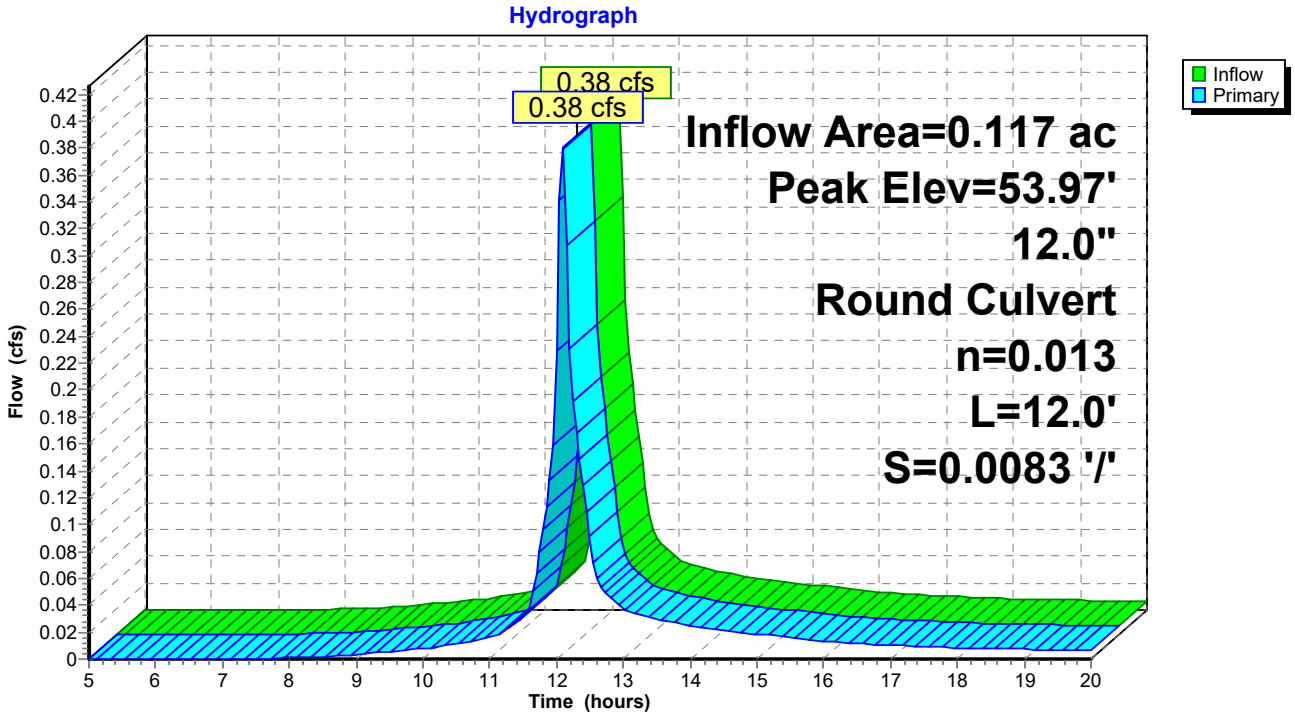
Inflow Area = 0.117 ac, 70.43% Impervious, Inflow Depth > 2.65" for 10-Year event
Inflow = 0.38 cfs @ 12.09 hrs, Volume= 0.026 af
Outflow = 0.38 cfs @ 12.09 hrs, Volume= 0.026 af, Atten= 0%, Lag= 0.0 min
Primary = 0.38 cfs @ 12.09 hrs, Volume= 0.026 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.60'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 53.50' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.09 hrs HW=53.96' (Free Discharge)
1=Culvert (Barrel Controls 0.37 cfs @ 2.17 fps)

Pond 158P: CB 24



Stage-Area-Storage for Pond 158P: CB 24

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.60	**0.000**	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000		
54.09	0.000		
54.10	0.000		
54.11	0.000		
54.12	0.000		

Summary for Pond 159P: CB 25

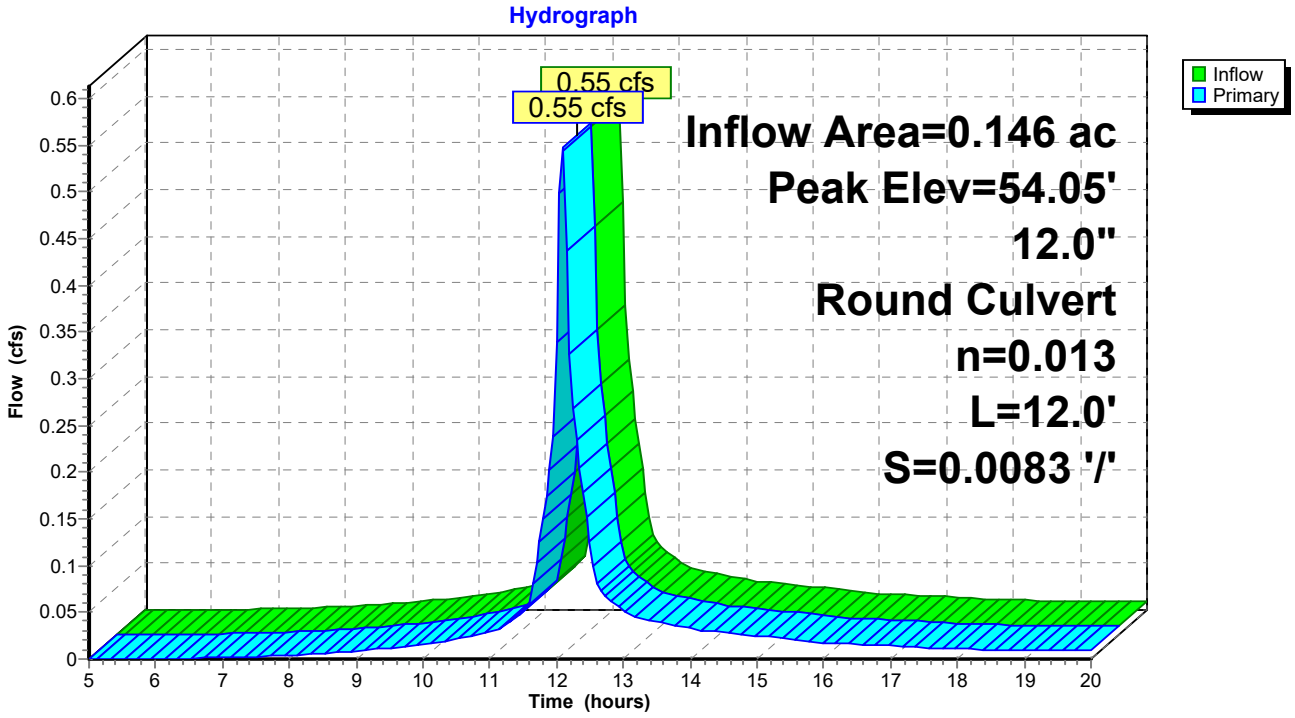
Inflow Area = 0.146 ac, 79.60% Impervious, Inflow Depth > 3.11" for 10-Year event
Inflow = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af
Outflow = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af, Atten= 0%, Lag= 0.0 min
Primary = 0.55 cfs @ 12.09 hrs, Volume= 0.038 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.60'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 53.50' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.53 cfs @ 12.09 hrs HW=54.04' (Free Discharge)
1=Culvert (Barrel Controls 0.53 cfs @ 2.35 fps)

Pond 159P: CB 25



Stage-Area-Storage for Pond 159P: CB 25

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.60	**0.000**	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000		
54.09	0.000		
54.10	0.000		
54.11	0.000		
54.12	0.000		

Summary for Pond 160P: DMH 20

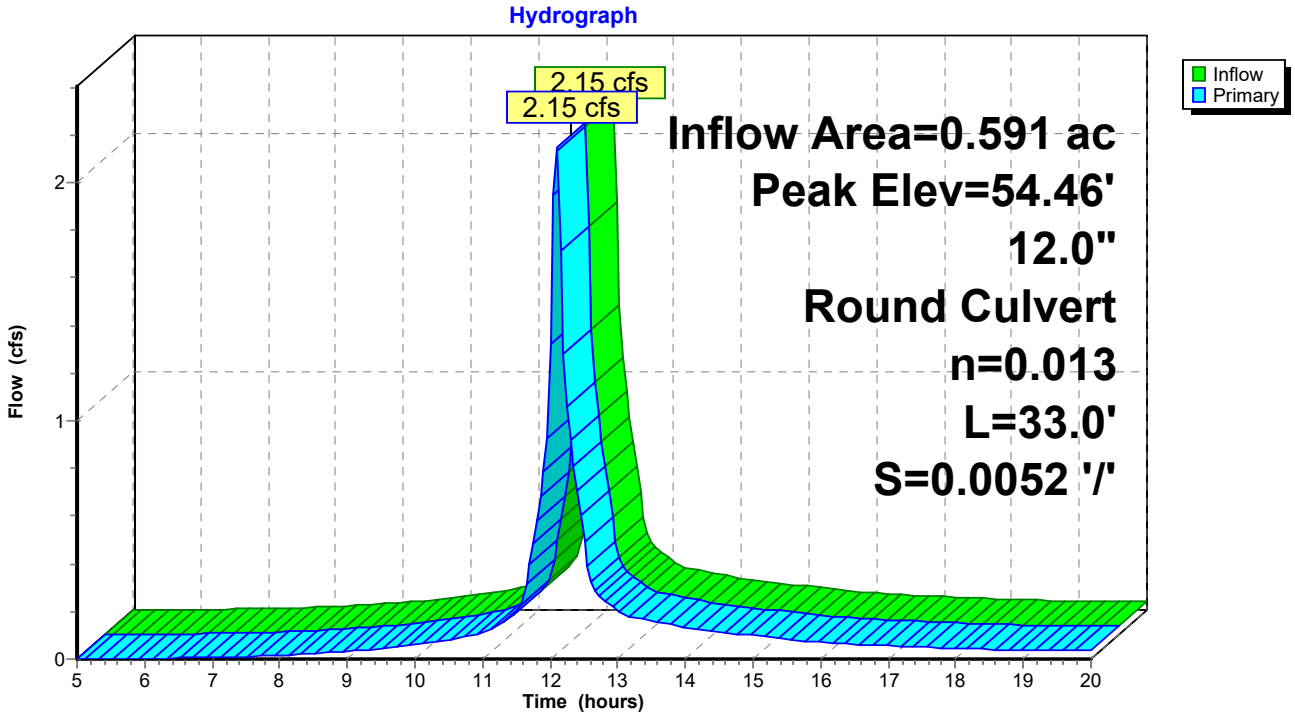
Inflow Area = 0.591 ac, 77.85% Impervious, Inflow Depth > 3.02" for 10-Year event
Inflow = 2.15 cfs @ 12.09 hrs, Volume= 0.149 af
Outflow = 2.15 cfs @ 12.09 hrs, Volume= 0.149 af, Atten= 0%, Lag= 0.0 min
Primary = 2.15 cfs @ 12.09 hrs, Volume= 0.149 af
Routed to Pond 161P : DMH 19

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.46' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.40'	**12.0" Round Culvert** L= 33.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.40' / 53.23' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.10 cfs @ 12.09 hrs HW=54.44' (Free Discharge)
1=Culvert (Barrel Controls 2.10 cfs @ 3.20 fps)

Pond 160P: DMH 20



Stage-Area-Storage for Pond 160P: DMH 20

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.40	**0.000**	53.93	0.000	54.46	0.000
53.41	0.000	53.94	0.000		
53.42	0.000	53.95	0.000		
53.43	0.000	53.96	0.000		
53.44	0.000	53.97	0.000		
53.45	0.000	53.98	0.000		
53.46	0.000	53.99	0.000		
53.47	0.000	54.00	0.000		
53.48	0.000	54.01	0.000		
53.49	0.000	54.02	0.000		
53.50	0.000	54.03	0.000		
53.51	0.000	54.04	0.000		
53.52	0.000	54.05	0.000		
53.53	0.000	54.06	0.000		
53.54	0.000	54.07	0.000		
53.55	0.000	54.08	0.000		
53.56	0.000	54.09	0.000		
53.57	0.000	54.10	0.000		
53.58	0.000	54.11	0.000		
53.59	0.000	54.12	0.000		
53.60	0.000	54.13	0.000		
53.61	0.000	54.14	0.000		
53.62	0.000	54.15	0.000		
53.63	0.000	54.16	0.000		
53.64	0.000	54.17	0.000		
53.65	0.000	54.18	0.000		
53.66	0.000	54.19	0.000		
53.67	0.000	54.20	0.000		
53.68	0.000	54.21	0.000		
53.69	0.000	54.22	0.000		
53.70	0.000	54.23	0.000		
53.71	0.000	54.24	0.000		
53.72	0.000	54.25	0.000		
53.73	0.000	54.26	0.000		
53.74	0.000	54.27	0.000		
53.75	0.000	54.28	0.000		
53.76	0.000	54.29	0.000		
53.77	0.000	54.30	0.000		
53.78	0.000	54.31	0.000		
53.79	0.000	54.32	0.000		
53.80	0.000	54.33	0.000		
53.81	0.000	54.34	0.000		
53.82	0.000	54.35	0.000		
53.83	0.000	54.36	0.000		
53.84	0.000	54.37	0.000		
53.85	0.000	54.38	0.000		
53.86	0.000	54.39	0.000		
53.87	0.000	54.40	0.000		
53.88	0.000	54.41	0.000		
53.89	0.000	54.42	0.000		
53.90	0.000	54.43	0.000		
53.91	0.000	54.44	0.000		
53.92	0.000	54.45	0.000		

Summary for Pond 161P: DMH 19

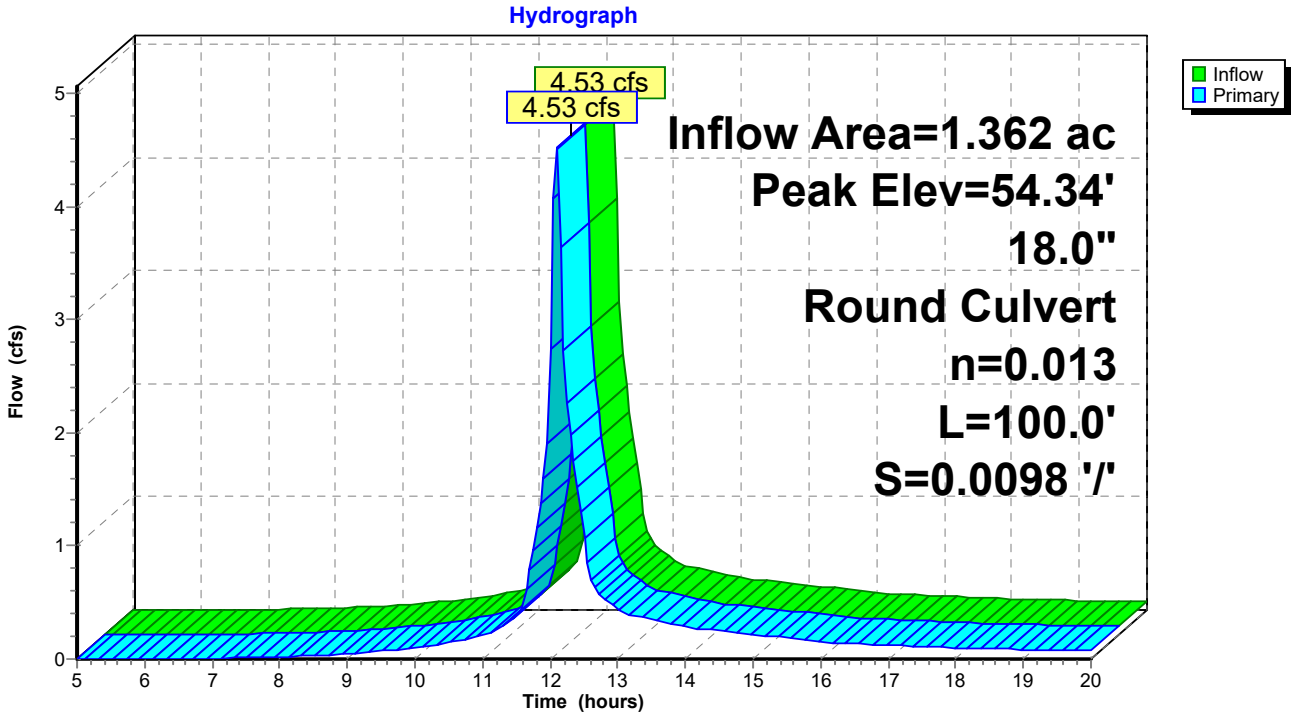
Inflow Area = 1.362 ac, 71.82% Impervious, Inflow Depth > 2.73" for 10-Year event
Inflow = 4.53 cfs @ 12.09 hrs, Volume= 0.310 af
Outflow = 4.53 cfs @ 12.09 hrs, Volume= 0.310 af, Atten= 0%, Lag= 0.0 min
Primary = 4.53 cfs @ 12.09 hrs, Volume= 0.310 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.34' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.13'	**18.0" Round Culvert** L= 100.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.13' / 52.15' S= 0.0098 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.44 cfs @ 12.09 hrs HW=54.33' (Free Discharge)
1=Culvert (Inlet Controls 4.44 cfs @ 2.94 fps)

Pond 161P: DMH 19



Stage-Area-Storage for Pond 161P: DMH 19

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.13	**0.000**	53.66	0.000	54.19	0.000
53.14	0.000	53.67	0.000	54.20	0.000
53.15	0.000	53.68	0.000	54.21	0.000
53.16	0.000	53.69	0.000	54.22	0.000
53.17	0.000	53.70	0.000	54.23	0.000
53.18	0.000	53.71	0.000	54.24	0.000
53.19	0.000	53.72	0.000	54.25	0.000
53.20	0.000	53.73	0.000	54.26	0.000
53.21	0.000	53.74	0.000	54.27	0.000
53.22	0.000	53.75	0.000	54.28	0.000
53.23	0.000	53.76	0.000	54.29	0.000
53.24	0.000	53.77	0.000	54.30	0.000
53.25	0.000	53.78	0.000	54.31	0.000
53.26	0.000	53.79	0.000	54.32	0.000
53.27	0.000	53.80	0.000	54.33	0.000
53.28	0.000	53.81	0.000	54.34	0.000
53.29	0.000	53.82	0.000	54.35	0.000
53.30	0.000	53.83	0.000	54.36	0.000
53.31	0.000	53.84	0.000	54.37	0.000
53.32	0.000	53.85	0.000	54.38	0.000
53.33	0.000	53.86	0.000	54.39	0.000
53.34	0.000	53.87	0.000	54.40	0.000
53.35	0.000	53.88	0.000	54.41	0.000
53.36	0.000	53.89	0.000	54.42	0.000
53.37	0.000	53.90	0.000	54.43	0.000
53.38	0.000	53.91	0.000	54.44	0.000
53.39	0.000	53.92	0.000	54.45	0.000
53.40	0.000	53.93	0.000	54.46	0.000
53.41	0.000	53.94	0.000	54.47	0.000
53.42	0.000	53.95	0.000	54.48	0.000
53.43	0.000	53.96	0.000	54.49	0.000
53.44	0.000	53.97	0.000	54.50	0.000
53.45	0.000	53.98	0.000	54.51	0.000
53.46	0.000	53.99	0.000	54.52	0.000
53.47	0.000	54.00	0.000	54.53	0.000
53.48	0.000	54.01	0.000	54.54	0.000
53.49	0.000	54.02	0.000	54.55	0.000
53.50	0.000	54.03	0.000	54.56	0.000
53.51	0.000	54.04	0.000	54.57	0.000
53.52	0.000	54.05	0.000	54.58	0.000
53.53	0.000	54.06	0.000	54.59	0.000
53.54	0.000	54.07	0.000	54.60	0.000
53.55	0.000	54.08	0.000	54.61	0.000
53.56	0.000	54.09	0.000	54.62	0.000
53.57	0.000	54.10	0.000	54.63	0.000
53.58	0.000	54.11	0.000		
53.59	0.000	54.12	0.000		
53.60	0.000	54.13	0.000		
53.61	0.000	54.14	0.000		
53.62	0.000	54.15	0.000		
53.63	0.000	54.16	0.000		
53.64	0.000	54.17	0.000		
53.65	0.000	54.18	0.000		

Summary for Pond 162P: CB 15

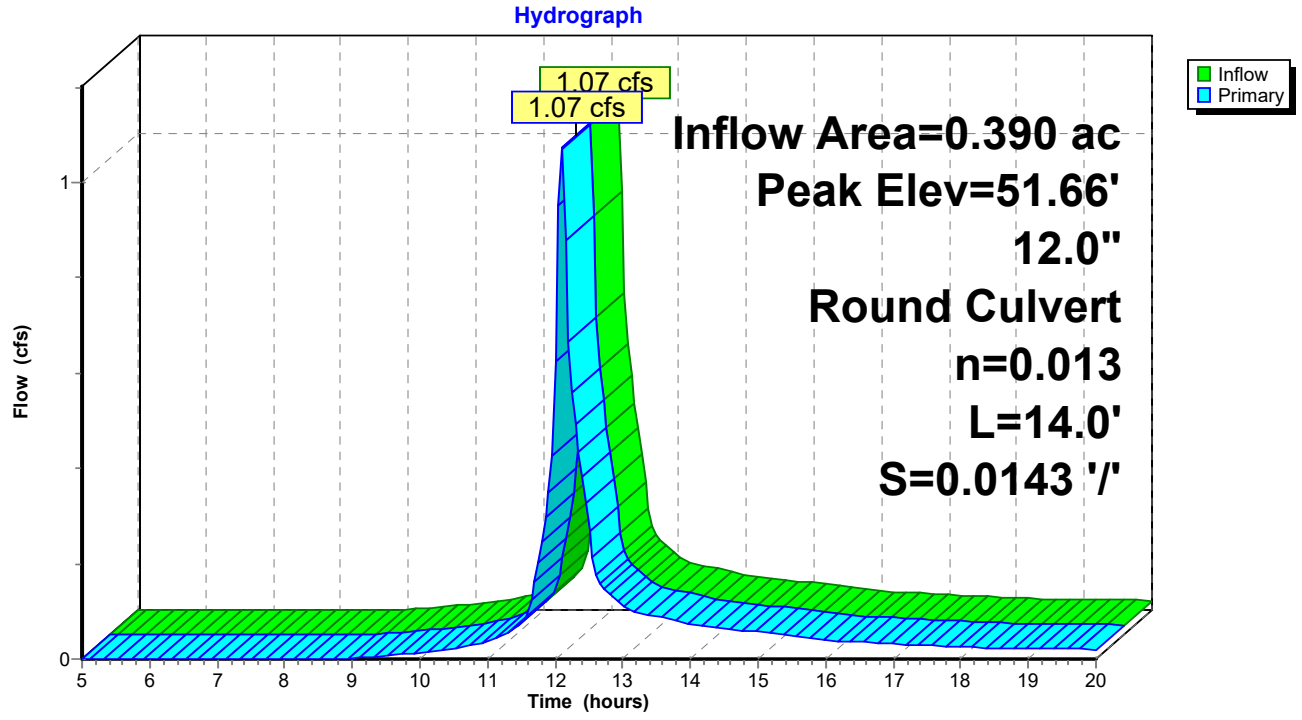
Inflow Area = 0.390 ac, 63.16% Impervious, Inflow Depth > 2.22" for 10-Year event
Inflow = 1.07 cfs @ 12.09 hrs, Volume= 0.072 af
Outflow = 1.07 cfs @ 12.09 hrs, Volume= 0.072 af, Atten= 0%, Lag= 0.0 min
Primary = 1.07 cfs @ 12.09 hrs, Volume= 0.072 af
Routed to Pond 180P : DMH 9

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.04'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.04' / 50.84' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.06 cfs @ 12.09 hrs HW=51.65' (Free Discharge)
1=Culvert (Inlet Controls 1.06 cfs @ 2.10 fps)

Pond 162P: CB 15



Stage-Area-Storage for Pond 162P: CB 15

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.04	**0.000**	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000		
51.53	0.000		
51.54	0.000		
51.55	0.000		
51.56	0.000		

Summary for Pond 163P: CB 14

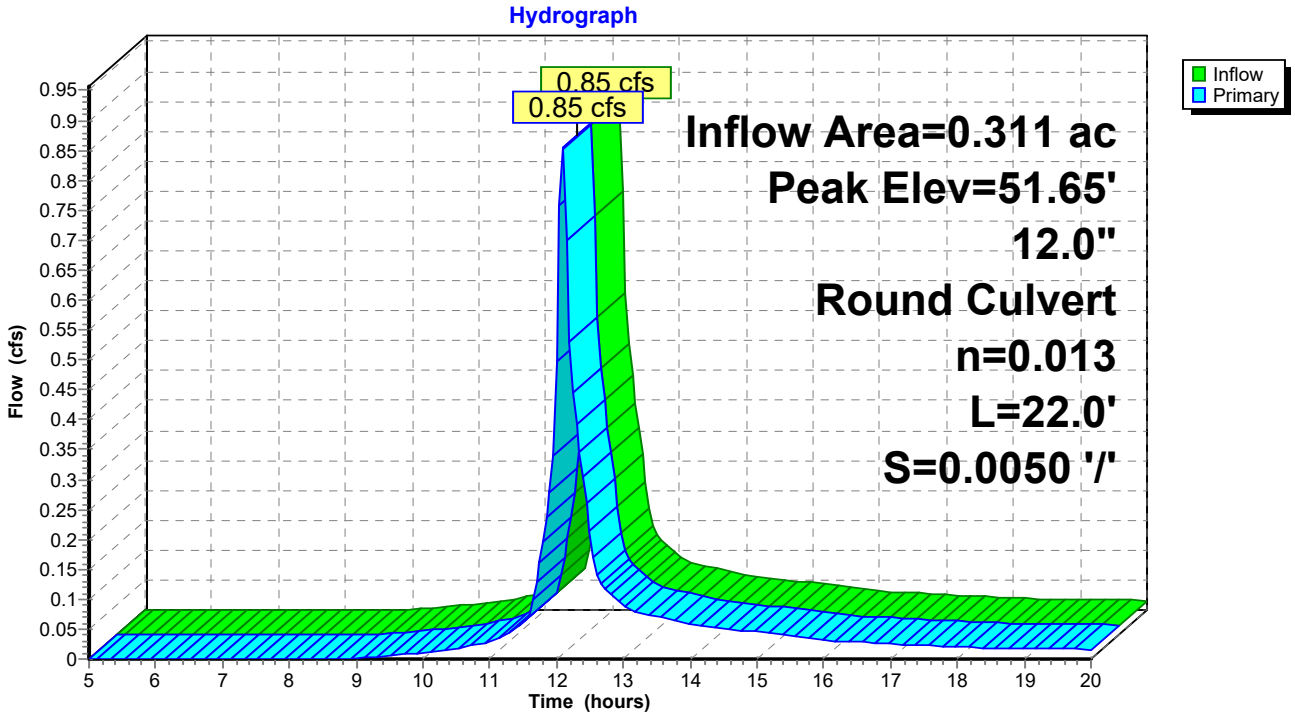
Inflow Area = 0.311 ac, 63.37% Impervious, Inflow Depth > 2.22" for 10-Year event
Inflow = 0.85 cfs @ 12.09 hrs, Volume= 0.058 af
Outflow = 0.85 cfs @ 12.09 hrs, Volume= 0.058 af, Atten= 0%, Lag= 0.0 min
Primary = 0.85 cfs @ 12.09 hrs, Volume= 0.058 af
Routed to Pond 180P : DMH 9

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.65' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.05'	**12.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 50.94' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=51.64' (Free Discharge)
1=Culvert (Barrel Controls 0.84 cfs @ 2.50 fps)

Pond 163P: CB 14



Stage-Area-Storage for Pond 163P: CB 14

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.05	**0.000**	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000		
51.54	0.000		
51.55	0.000		
51.56	0.000		
51.57	0.000		

Summary for Pond 165P: CB 19

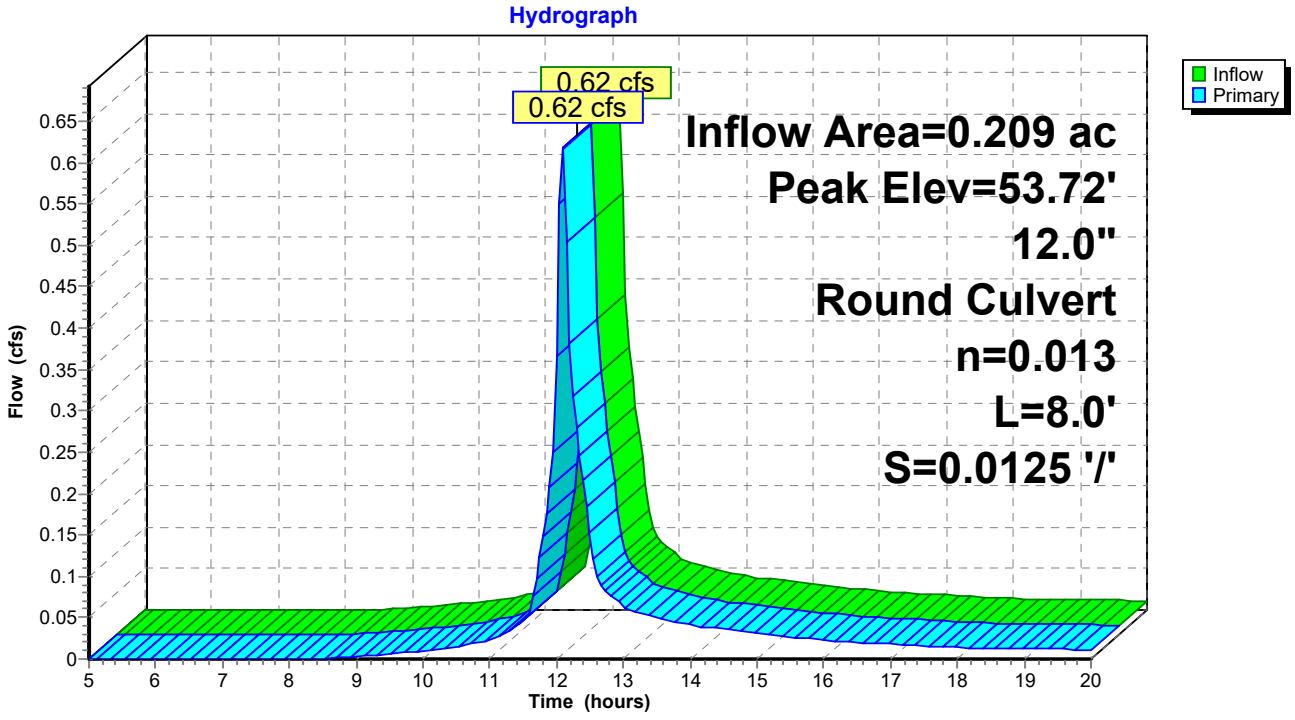
Inflow Area = 0.209 ac, 66.66% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af
Outflow = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.72' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.25'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.25' / 53.15' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.09 hrs HW=53.72' (Free Discharge)
1=Culvert (Barrel Controls 0.61 cfs @ 2.49 fps)

Pond 165P: CB 19



Stage-Area-Storage for Pond 165P: CB 19

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.25	**0.000**	53.78	0.000
53.26	0.000	53.79	0.000
53.27	0.000	53.80	0.000
53.28	0.000	53.81	0.000
53.29	0.000	53.82	0.000
53.30	0.000	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000		
53.74	0.000		
53.75	0.000		
53.76	0.000		
53.77	0.000		

Summary for Pond 166P: DMH 13

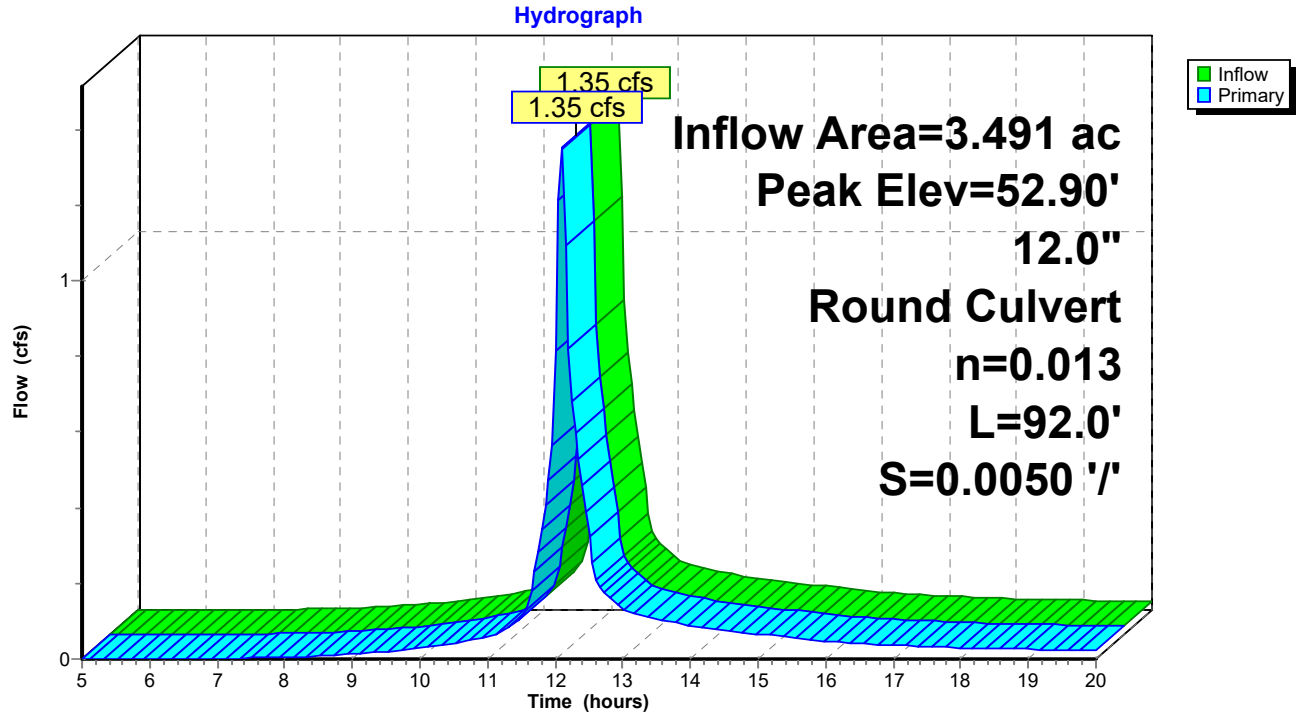
Inflow Area = 3.491 ac, 67.77% Impervious, Inflow Depth > 0.32" for 10-Year event
Inflow = 1.35 cfs @ 12.09 hrs, Volume= 0.092 af
Outflow = 1.35 cfs @ 12.09 hrs, Volume= 0.092 af, Atten= 0%, Lag= 0.0 min
Primary = 1.35 cfs @ 12.09 hrs, Volume= 0.092 af
Routed to Pond 169P : DMH 12

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.16'	**12.0" Round Culvert** L= 92.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.16' / 51.70' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.33 cfs @ 12.09 hrs HW=52.89' (Free Discharge)
1=Culvert (Barrel Controls 1.33 cfs @ 3.01 fps)

Pond 166P: DMH 13



Stage-Area-Storage for Pond 166P: DMH 13

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.16	**0.000**	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000		
52.65	0.000		
52.66	0.000		
52.67	0.000		
52.68	0.000		

Summary for Pond 167P: CB 11

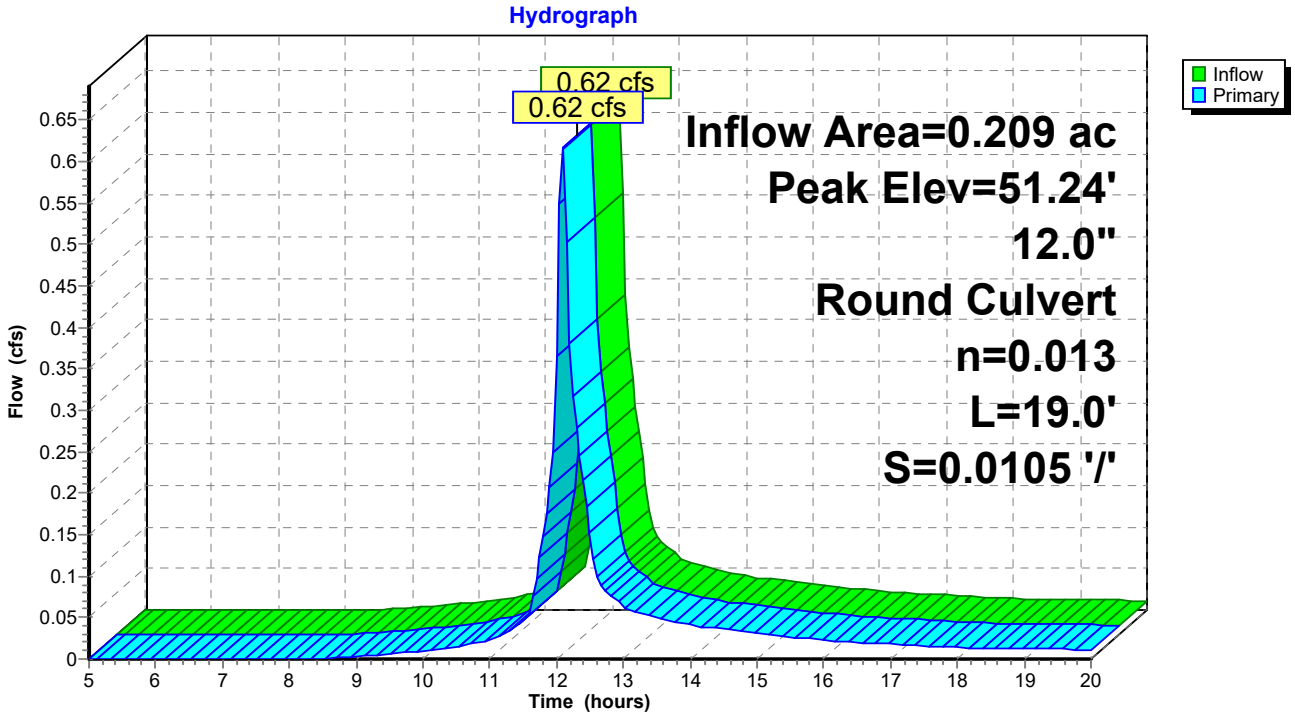
Inflow Area = 0.209 ac, 65.78% Impervious, Inflow Depth > 2.39" for 10-Year event
Inflow = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af
Outflow = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.62 cfs @ 12.09 hrs, Volume= 0.042 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.24' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.79'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.79' / 50.59' S= 0.0105 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.09 hrs HW=51.24' (Free Discharge)
1=Culvert (Inlet Controls 0.61 cfs @ 1.79 fps)

Pond 167P: CB 11



Stage-Area-Storage for Pond 167P: CB 11

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.79	**0.000**	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000		
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		

Summary for Pond 168P: CB 10

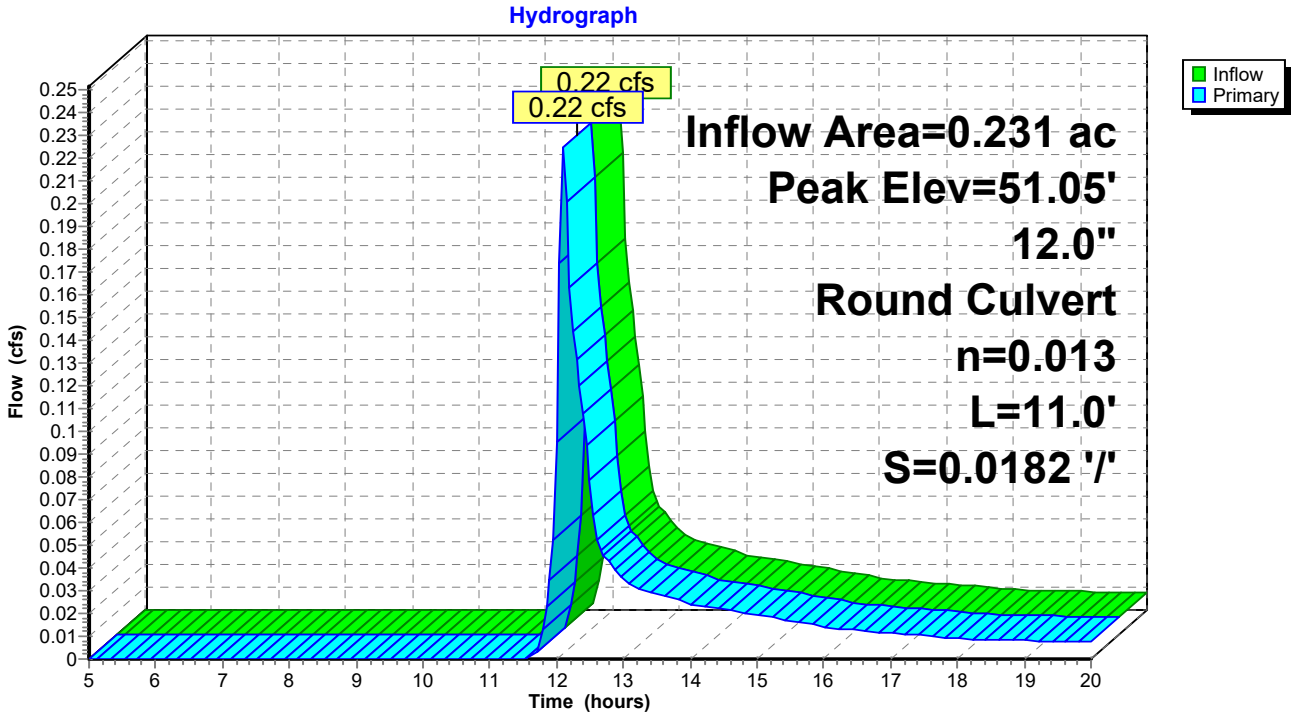
Inflow Area = 0.231 ac, 30.05% Impervious, Inflow Depth > 0.91" for 10-Year event
Inflow = 0.22 cfs @ 12.11 hrs, Volume= 0.017 af
Outflow = 0.22 cfs @ 12.11 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.22 cfs @ 12.11 hrs, Volume= 0.017 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.05' @ 12.11 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.79'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.79' / 50.59' S= 0.0182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.11 hrs HW=51.05' (Free Discharge)
1=Culvert (Inlet Controls 0.22 cfs @ 1.37 fps)

Pond 168P: CB 10



Stage-Area-Storage for Pond 168P: CB 10

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.79	**0.000**	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000		
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		

Summary for Pond 169P: DMH 12

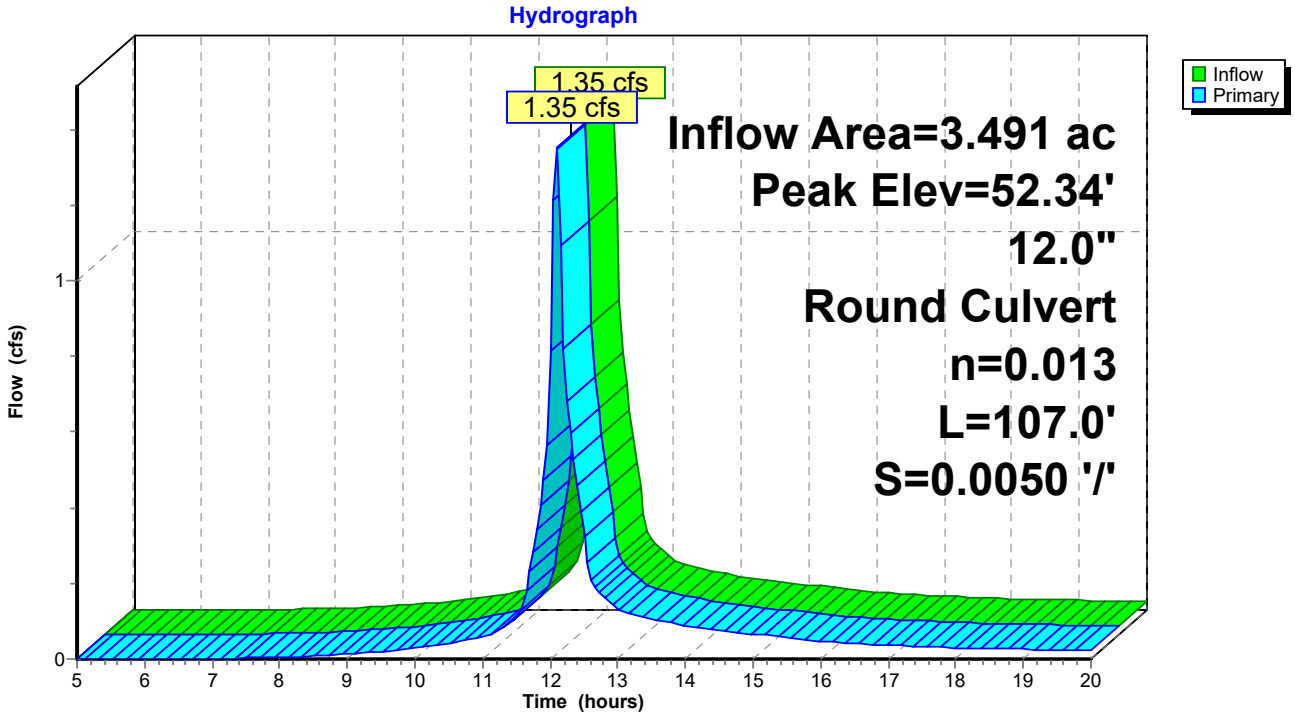
Inflow Area = 3.491 ac, 67.77% Impervious, Inflow Depth > 0.32" for 10-Year event
Inflow = 1.35 cfs @ 12.09 hrs, Volume= 0.092 af
Outflow = 1.35 cfs @ 12.09 hrs, Volume= 0.092 af, Atten= 0%, Lag= 0.0 min
Primary = 1.35 cfs @ 12.09 hrs, Volume= 0.092 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.34' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.60'	**12.0" Round Culvert** L= 107.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.60' / 51.06' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.33 cfs @ 12.09 hrs HW=52.33' (Free Discharge)
1=Culvert (Barrel Controls 1.33 cfs @ 3.04 fps)

Pond 169P: DMH 12



Stage-Area-Storage for Pond 169P: DMH 12

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.60	**0.000**	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000	52.26	0.000
51.74	0.000	52.27	0.000
51.75	0.000	52.28	0.000
51.76	0.000	52.29	0.000
51.77	0.000	52.30	0.000
51.78	0.000	52.31	0.000
51.79	0.000	52.32	0.000
51.80	0.000	52.33	0.000
51.81	0.000	52.34	0.000
51.82	0.000	52.35	0.000
51.83	0.000	52.36	0.000
51.84	0.000	52.37	0.000
51.85	0.000	52.38	0.000
51.86	0.000	52.39	0.000
51.87	0.000	52.40	0.000
51.88	0.000	52.41	0.000
51.89	0.000	52.42	0.000
51.90	0.000	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000		
52.09	0.000		
52.10	0.000		
52.11	0.000		
52.12	0.000		

Summary for Pond 170P: CB 9

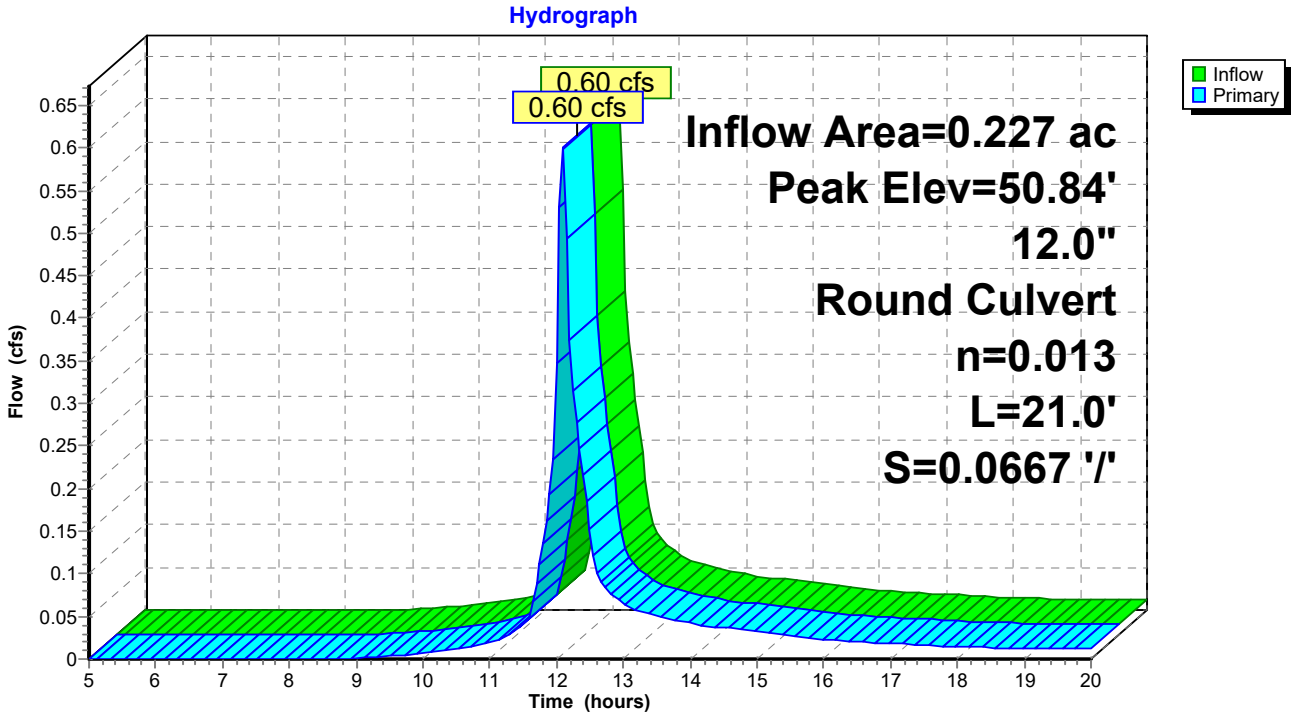
Inflow Area = 0.227 ac, 61.54% Impervious, Inflow Depth > 2.14" for 10-Year event
Inflow = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af
Outflow = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 12.09 hrs, Volume= 0.040 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.84' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.40'	**12.0" Round Culvert** L= 21.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.40' / 49.00' S= 0.0667 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.59 cfs @ 12.09 hrs HW=50.84' (Free Discharge)
1=Culvert (Inlet Controls 0.59 cfs @ 1.78 fps)

Pond 170P: CB 9



Stage-Area-Storage for Pond 170P: CB 9

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.40	**0.000**	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000		
50.89	0.000		
50.90	0.000		
50.91	0.000		
50.92	0.000		

Summary for Pond 171P: DMH 6

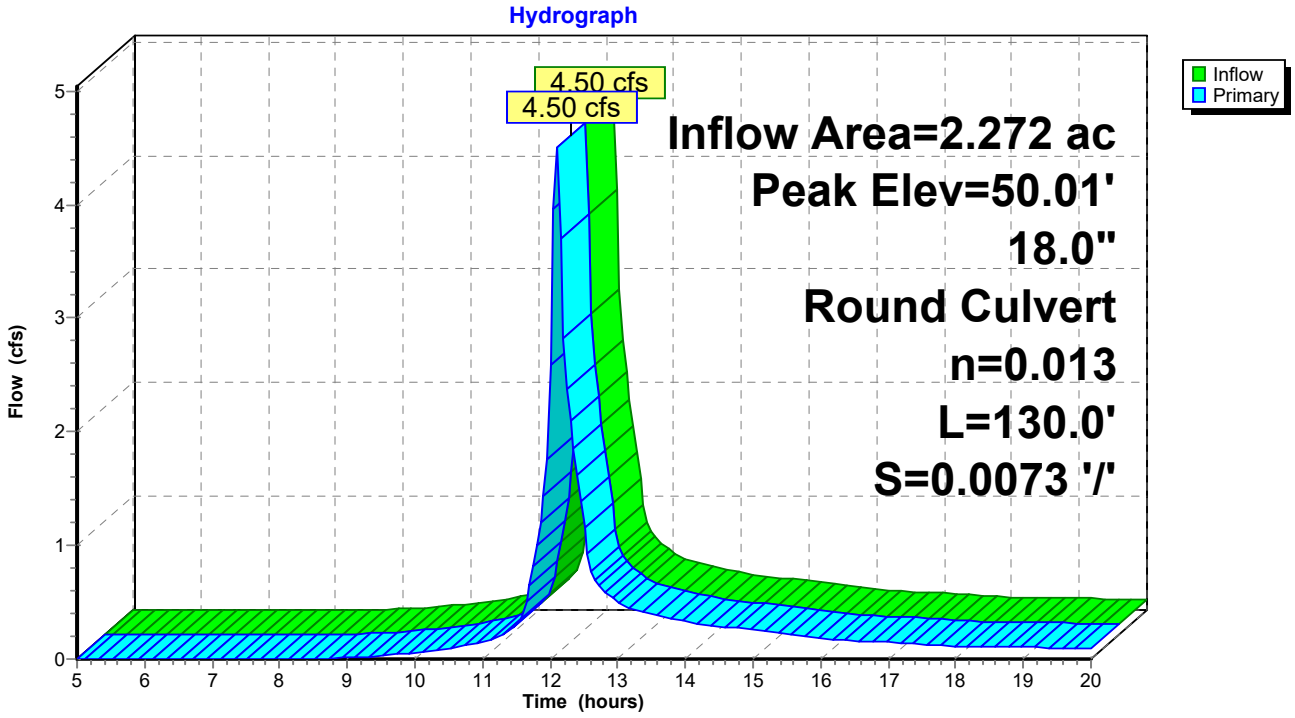
Inflow Area = 2.272 ac, 49.70% Impervious, Inflow Depth > 1.65" for 10-Year event
Inflow = 4.50 cfs @ 12.09 hrs, Volume= 0.312 af
Outflow = 4.50 cfs @ 12.09 hrs, Volume= 0.312 af, Atten= 0%, Lag= 0.0 min
Primary = 4.50 cfs @ 12.09 hrs, Volume= 0.312 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.01' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.80'	**18.0" Round Culvert** L= 130.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.80' / 47.85' S= 0.0073 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.44 cfs @ 12.09 hrs HW=50.00' (Free Discharge)
1=Culvert (Inlet Controls 4.44 cfs @ 2.94 fps)

Pond 171P: DMH 6



Stage-Area-Storage for Pond 171P: DMH 6

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.80	**0.000**	49.33	0.000	49.86	0.000
48.81	0.000	49.34	0.000	49.87	0.000
48.82	0.000	49.35	0.000	49.88	0.000
48.83	0.000	49.36	0.000	49.89	0.000
48.84	0.000	49.37	0.000	49.90	0.000
48.85	0.000	49.38	0.000	49.91	0.000
48.86	0.000	49.39	0.000	49.92	0.000
48.87	0.000	49.40	0.000	49.93	0.000
48.88	0.000	49.41	0.000	49.94	0.000
48.89	0.000	49.42	0.000	49.95	0.000
48.90	0.000	49.43	0.000	49.96	0.000
48.91	0.000	49.44	0.000	49.97	0.000
48.92	0.000	49.45	0.000	49.98	0.000
48.93	0.000	49.46	0.000	49.99	0.000
48.94	0.000	49.47	0.000	50.00	0.000
48.95	0.000	49.48	0.000	50.01	0.000
48.96	0.000	49.49	0.000	50.02	0.000
48.97	0.000	49.50	0.000	50.03	0.000
48.98	0.000	49.51	0.000	50.04	0.000
48.99	0.000	49.52	0.000	50.05	0.000
49.00	0.000	49.53	0.000	50.06	0.000
49.01	0.000	49.54	0.000	50.07	0.000
49.02	0.000	49.55	0.000	50.08	0.000
49.03	0.000	49.56	0.000	50.09	0.000
49.04	0.000	49.57	0.000	50.10	0.000
49.05	0.000	49.58	0.000	50.11	0.000
49.06	0.000	49.59	0.000	50.12	0.000
49.07	0.000	49.60	0.000	50.13	0.000
49.08	0.000	49.61	0.000	50.14	0.000
49.09	0.000	49.62	0.000	50.15	0.000
49.10	0.000	49.63	0.000	50.16	0.000
49.11	0.000	49.64	0.000	50.17	0.000
49.12	0.000	49.65	0.000	50.18	0.000
49.13	0.000	49.66	0.000	50.19	0.000
49.14	0.000	49.67	0.000	50.20	0.000
49.15	0.000	49.68	0.000	50.21	0.000
49.16	0.000	49.69	0.000	50.22	0.000
49.17	0.000	49.70	0.000	50.23	0.000
49.18	0.000	49.71	0.000	50.24	0.000
49.19	0.000	49.72	0.000	50.25	0.000
49.20	0.000	49.73	0.000	50.26	0.000
49.21	0.000	49.74	0.000	50.27	0.000
49.22	0.000	49.75	0.000	50.28	0.000
49.23	0.000	49.76	0.000	50.29	0.000
49.24	0.000	49.77	0.000	50.30	0.000
49.25	0.000	49.78	0.000		
49.26	0.000	49.79	0.000		
49.27	0.000	49.80	0.000		
49.28	0.000	49.81	0.000		
49.29	0.000	49.82	0.000		
49.30	0.000	49.83	0.000		
49.31	0.000	49.84	0.000		
49.32	0.000	49.85	0.000		

Summary for Pond 172P: CB 16

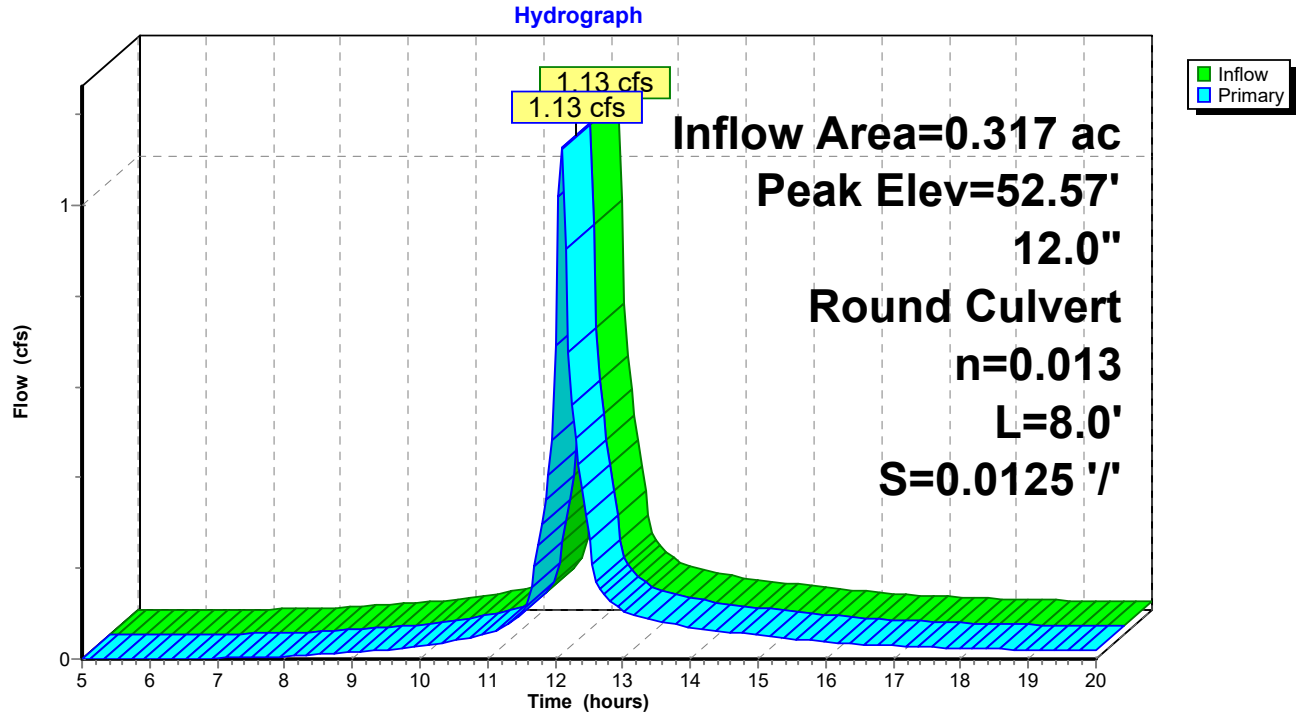
Inflow Area = 0.317 ac, 75.85% Impervious, Inflow Depth > 2.92" for 10-Year event
Inflow = 1.13 cfs @ 12.09 hrs, Volume= 0.077 af
Outflow = 1.13 cfs @ 12.09 hrs, Volume= 0.077 af, Atten= 0%, Lag= 0.0 min
Primary = 1.13 cfs @ 12.09 hrs, Volume= 0.077 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.57' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.90'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.90' / 51.80' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.10 cfs @ 12.09 hrs HW=52.56' (Free Discharge)
1=Culvert (Barrel Controls 1.10 cfs @ 2.82 fps)

Pond 172P: CB 16



Stage-Area-Storage for Pond 172P: CB 16

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.90	**0.000**	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000		
52.39	0.000		
52.40	0.000		
52.41	0.000		
52.42	0.000		

Summary for Pond 173P: CB 17

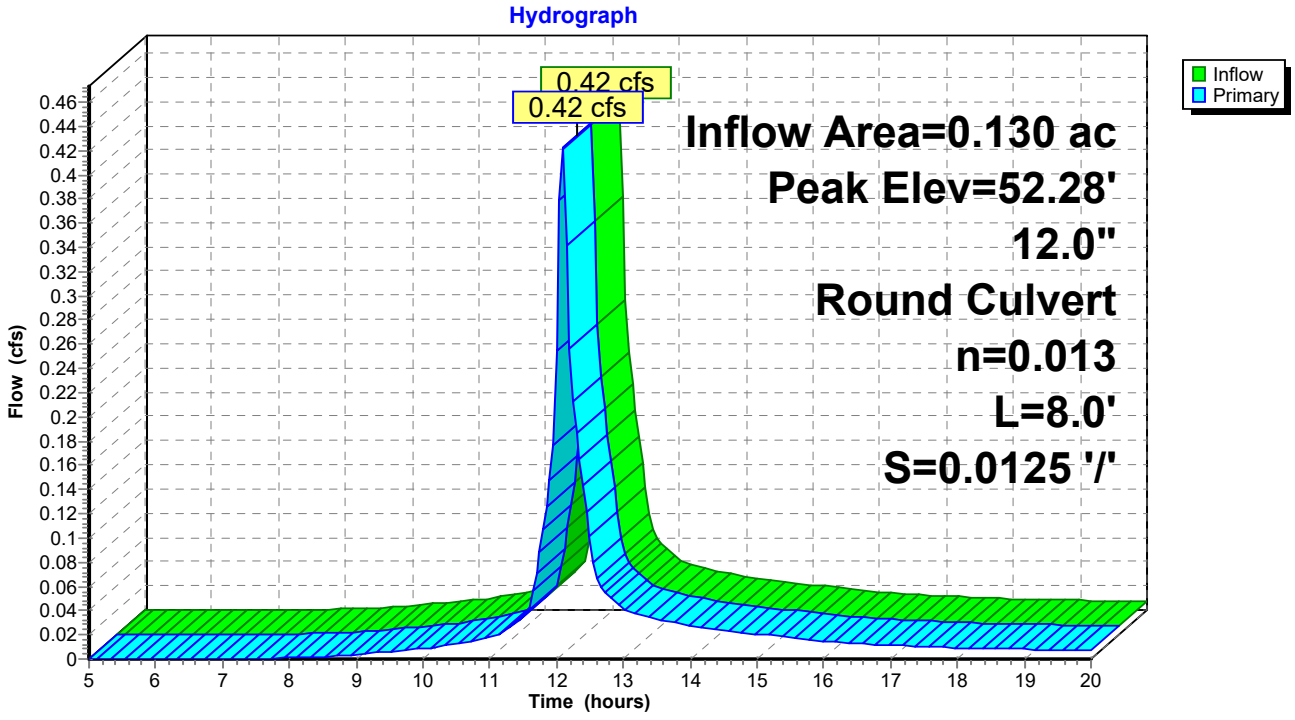
Inflow Area = 0.130 ac, 71.18% Impervious, Inflow Depth > 2.65" for 10-Year event
Inflow = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af
Outflow = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.42 cfs @ 12.09 hrs, Volume= 0.029 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.28' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.90'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.90' / 51.80' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.41 cfs @ 12.09 hrs HW=52.27' (Free Discharge)
1=Culvert (Barrel Controls 0.41 cfs @ 2.30 fps)

Pond 173P: CB 17



Stage-Area-Storage for Pond 173P: CB 17

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.90	**0.000**	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000		
52.39	0.000		
52.40	0.000		
52.41	0.000		
52.42	0.000		

Summary for Pond 174P: DMH 11

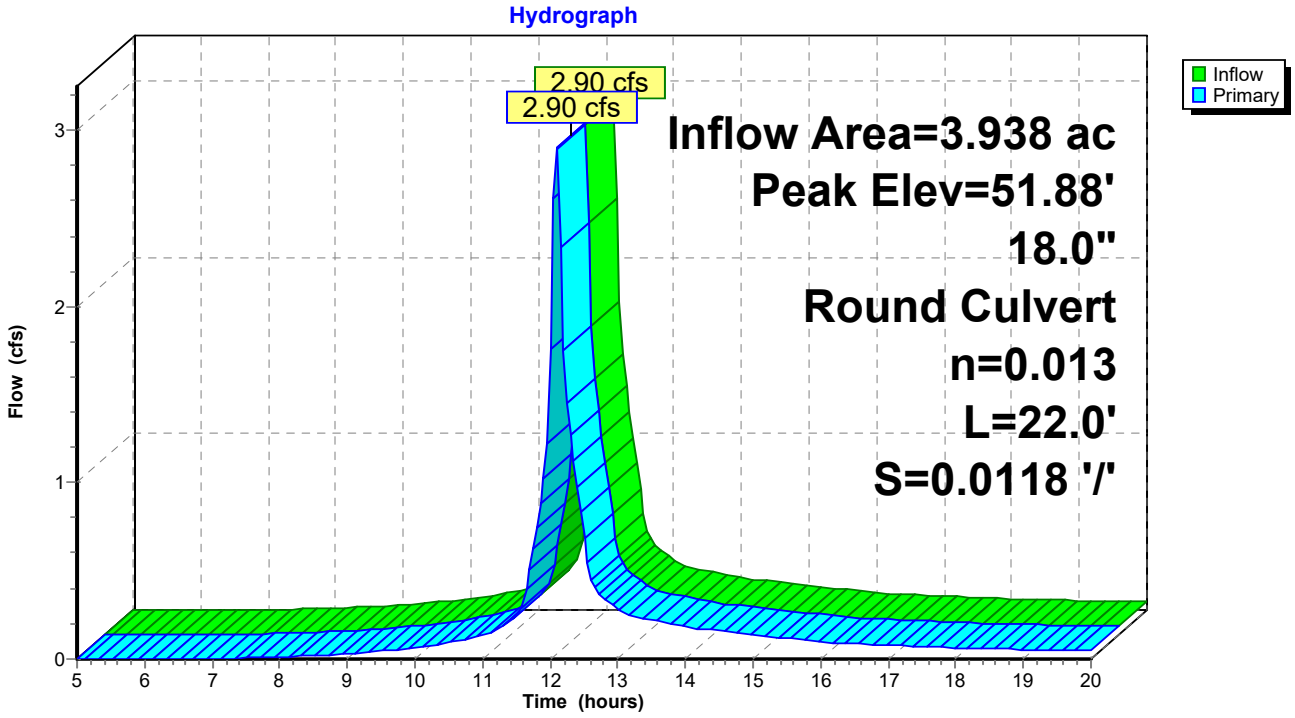
Inflow Area = 3.938 ac, 68.53% Impervious, Inflow Depth > 0.60" for 10-Year event
Inflow = 2.90 cfs @ 12.09 hrs, Volume= 0.198 af
Outflow = 2.90 cfs @ 12.09 hrs, Volume= 0.198 af, Atten= 0%, Lag= 0.0 min
Primary = 2.90 cfs @ 12.09 hrs, Volume= 0.198 af
Routed to Pond 217P : DMH 8A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.88' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.96'	**18.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.96' / 50.70' S= 0.0118 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.84 cfs @ 12.09 hrs HW=51.87' (Free Discharge)
1=Culvert (Barrel Controls 2.84 cfs @ 3.66 fps)

Pond 174P: DMH 11



Stage-Area-Storage for Pond 174P: DMH 11

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.96	**0.000**	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000	52.05	0.000
51.00	0.000	51.53	0.000	52.06	0.000
51.01	0.000	51.54	0.000	52.07	0.000
51.02	0.000	51.55	0.000	52.08	0.000
51.03	0.000	51.56	0.000	52.09	0.000
51.04	0.000	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000	52.11	0.000
51.06	0.000	51.59	0.000	52.12	0.000
51.07	0.000	51.60	0.000	52.13	0.000
51.08	0.000	51.61	0.000	52.14	0.000
51.09	0.000	51.62	0.000	52.15	0.000
51.10	0.000	51.63	0.000	52.16	0.000
51.11	0.000	51.64	0.000	52.17	0.000
51.12	0.000	51.65	0.000	52.18	0.000
51.13	0.000	51.66	0.000	52.19	0.000
51.14	0.000	51.67	0.000	52.20	0.000
51.15	0.000	51.68	0.000	52.21	0.000
51.16	0.000	51.69	0.000	52.22	0.000
51.17	0.000	51.70	0.000	52.23	0.000
51.18	0.000	51.71	0.000	52.24	0.000
51.19	0.000	51.72	0.000	52.25	0.000
51.20	0.000	51.73	0.000	52.26	0.000
51.21	0.000	51.74	0.000	52.27	0.000
51.22	0.000	51.75	0.000	52.28	0.000
51.23	0.000	51.76	0.000	52.29	0.000
51.24	0.000	51.77	0.000	52.30	0.000
51.25	0.000	51.78	0.000	52.31	0.000
51.26	0.000	51.79	0.000	52.32	0.000
51.27	0.000	51.80	0.000	52.33	0.000
51.28	0.000	51.81	0.000	52.34	0.000
51.29	0.000	51.82	0.000	52.35	0.000
51.30	0.000	51.83	0.000	52.36	0.000
51.31	0.000	51.84	0.000	52.37	0.000
51.32	0.000	51.85	0.000	52.38	0.000
51.33	0.000	51.86	0.000	52.39	0.000
51.34	0.000	51.87	0.000	52.40	0.000
51.35	0.000	51.88	0.000	52.41	0.000
51.36	0.000	51.89	0.000	52.42	0.000
51.37	0.000	51.90	0.000	52.43	0.000
51.38	0.000	51.91	0.000	52.44	0.000
51.39	0.000	51.92	0.000	52.45	0.000
51.40	0.000	51.93	0.000	52.46	0.000
51.41	0.000	51.94	0.000		
51.42	0.000	51.95	0.000		
51.43	0.000	51.96	0.000		
51.44	0.000	51.97	0.000		
51.45	0.000	51.98	0.000		
51.46	0.000	51.99	0.000		
51.47	0.000	52.00	0.000		
51.48	0.000	52.01	0.000		

Summary for Pond 175P: DMH 5

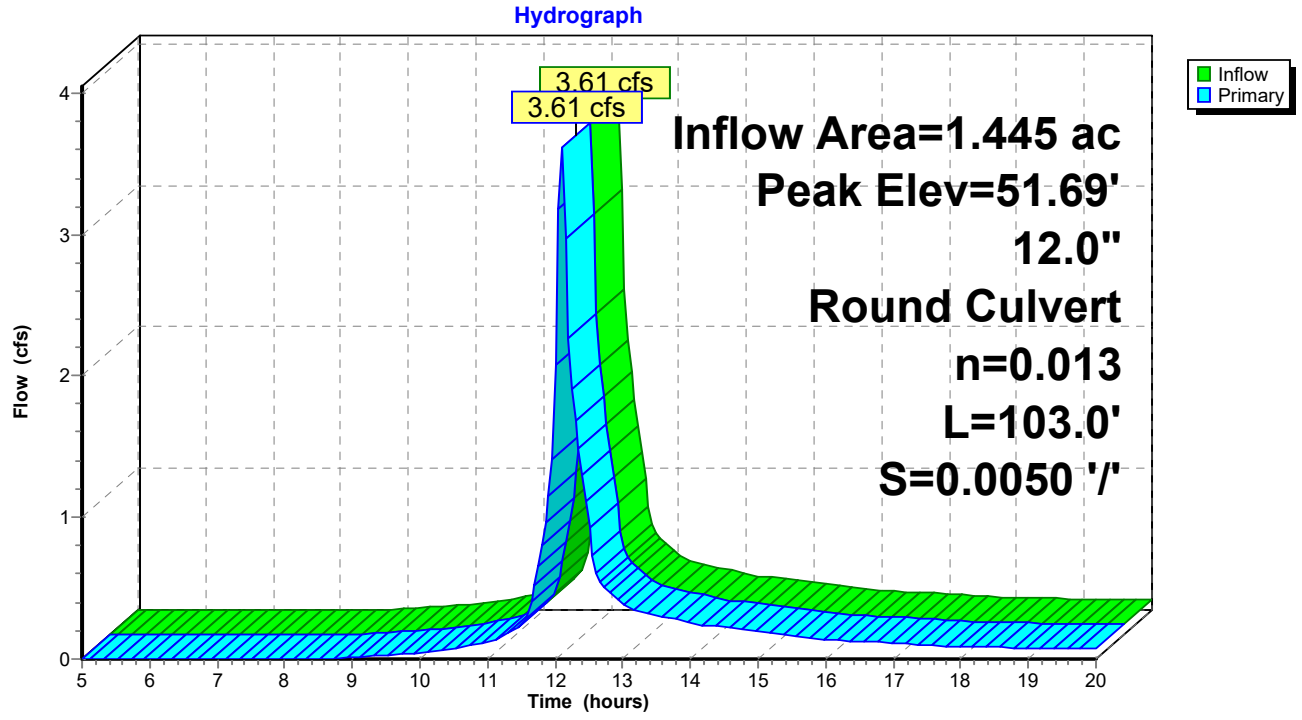
Inflow Area = 1.445 ac, 58.41% Impervious, Inflow Depth > 2.05" for 10-Year event
Inflow = 3.61 cfs @ 12.09 hrs, Volume= 0.247 af
Outflow = 3.61 cfs @ 12.09 hrs, Volume= 0.247 af, Atten= 0%, Lag= 0.0 min
Primary = 3.61 cfs @ 12.09 hrs, Volume= 0.247 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.69' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.52'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.52' / 49.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.57 cfs @ 12.09 hrs HW=51.65' (Free Discharge)
1=Culvert (Barrel Controls 3.57 cfs @ 4.54 fps)

Pond 175P: DMH 5



Stage-Area-Storage for Pond 175P: DMH 5

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.52	**0.000**	50.58	0.000	51.64	0.000
49.54	0.000	50.60	0.000	51.66	0.000
49.56	0.000	50.62	0.000	51.68	0.000
49.58	0.000	50.64	0.000	51.70	0.000
49.60	0.000	50.66	0.000		
49.62	0.000	50.68	0.000		
49.64	0.000	50.70	0.000		
49.66	0.000	50.72	0.000		
49.68	0.000	50.74	0.000		
49.70	0.000	50.76	0.000		
49.72	0.000	50.78	0.000		
49.74	0.000	50.80	0.000		
49.76	0.000	50.82	0.000		
49.78	0.000	50.84	0.000		
49.80	0.000	50.86	0.000		
49.82	0.000	50.88	0.000		
49.84	0.000	50.90	0.000		
49.86	0.000	50.92	0.000		
49.88	0.000	50.94	0.000		
49.90	0.000	50.96	0.000		
49.92	0.000	50.98	0.000		
49.94	0.000	51.00	0.000		
49.96	0.000	51.02	0.000		
49.98	0.000	51.04	0.000		
50.00	0.000	51.06	0.000		
50.02	0.000	51.08	0.000		
50.04	0.000	51.10	0.000		
50.06	0.000	51.12	0.000		
50.08	0.000	51.14	0.000		
50.10	0.000	51.16	0.000		
50.12	0.000	51.18	0.000		
50.14	0.000	51.20	0.000		
50.16	0.000	51.22	0.000		
50.18	0.000	51.24	0.000		
50.20	0.000	51.26	0.000		
50.22	0.000	51.28	0.000		
50.24	0.000	51.30	0.000		
50.26	0.000	51.32	0.000		
50.28	0.000	51.34	0.000		
50.30	0.000	51.36	0.000		
50.32	0.000	51.38	0.000		
50.34	0.000	51.40	0.000		
50.36	0.000	51.42	0.000		
50.38	0.000	51.44	0.000		
50.40	0.000	51.46	0.000		
50.42	0.000	51.48	0.000		
50.44	0.000	51.50	0.000		
50.46	0.000	51.52	0.000		
50.48	0.000	51.54	0.000		
50.50	0.000	51.56	0.000		
50.52	0.000	51.58	0.000		
50.54	0.000	51.60	0.000		
50.56	0.000	51.62	0.000		

Summary for Pond 176P: CB 6

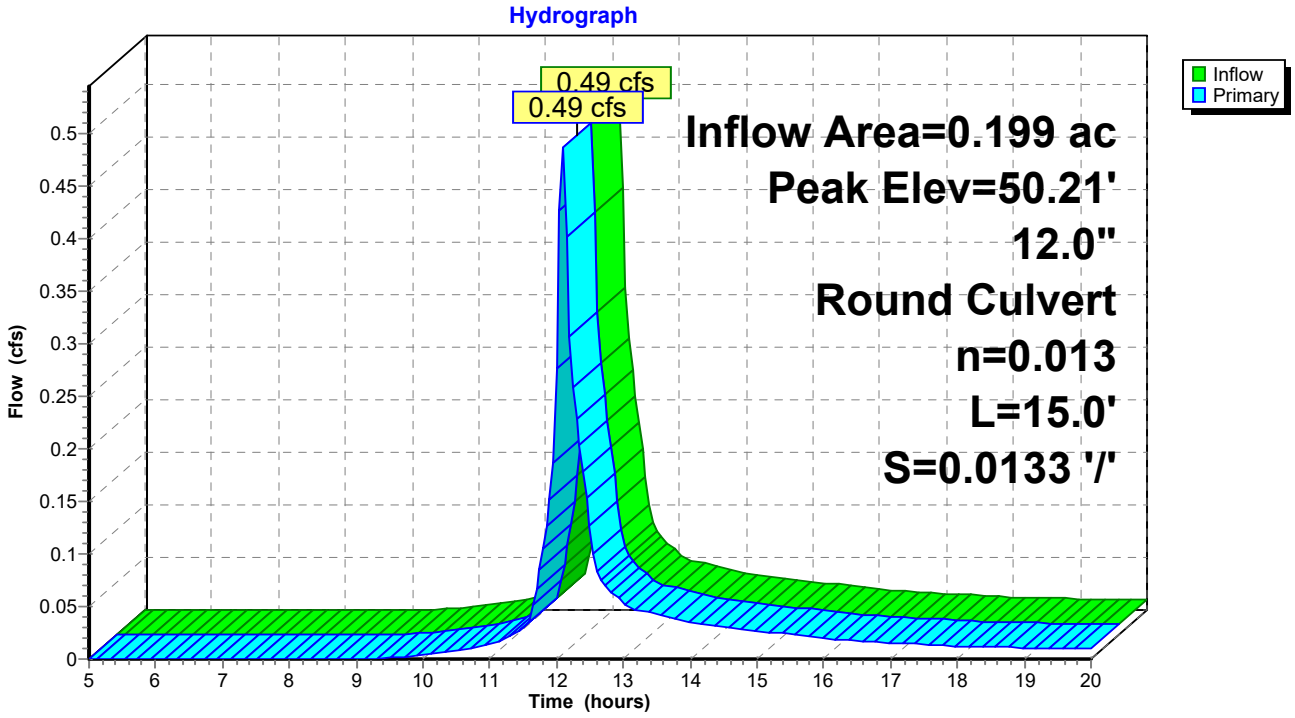
Inflow Area = 0.199 ac, 57.72% Impervious, Inflow Depth > 1.99" for 10-Year event
Inflow = 0.49 cfs @ 12.10 hrs, Volume= 0.033 af
Outflow = 0.49 cfs @ 12.10 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.49 cfs @ 12.10 hrs, Volume= 0.033 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.21' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.82'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.82' / 49.62' S= 0.0133 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.48 cfs @ 12.10 hrs HW=50.21' (Free Discharge)
1=Culvert (Inlet Controls 0.48 cfs @ 1.68 fps)

Pond 176P: CB 6



Stage-Area-Storage for Pond 176P: CB 6

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.82	**0.000**	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000	50.64	0.000
50.12	0.000	50.65	0.000
50.13	0.000	50.66	0.000
50.14	0.000	50.67	0.000
50.15	0.000	50.68	0.000
50.16	0.000	50.69	0.000
50.17	0.000	50.70	0.000
50.18	0.000	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000		
50.31	0.000		
50.32	0.000		
50.33	0.000		
50.34	0.000		

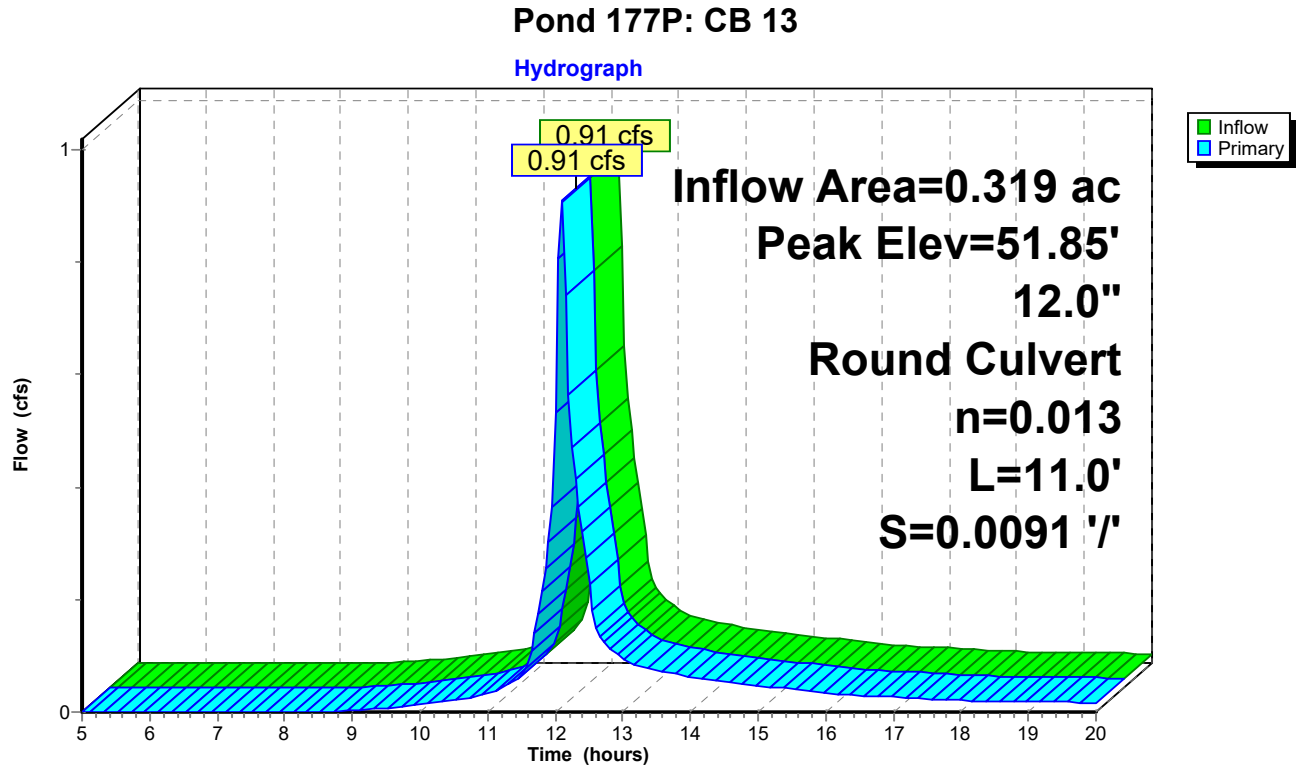
Summary for Pond 177P: CB 13

Inflow Area = 0.319 ac, 64.43% Impervious, Inflow Depth > 2.31" for 10-Year event
Inflow = 0.91 cfs @ 12.09 hrs, Volume= 0.061 af
Outflow = 0.91 cfs @ 12.09 hrs, Volume= 0.061 af, Atten= 0%, Lag= 0.0 min
Primary = 0.91 cfs @ 12.09 hrs, Volume= 0.061 af
Routed to Pond 179P : DMH 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.85' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.25'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.25' / 51.15' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.90 cfs @ 12.09 hrs HW=51.84' (Free Discharge)
1=Culvert (Barrel Controls 0.90 cfs @ 2.65 fps)



Stage-Area-Storage for Pond 177P: CB 13

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.25	**0.000**	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000		
51.74	0.000		
51.75	0.000		
51.76	0.000		
51.77	0.000		

Summary for Pond 178P: CB 12

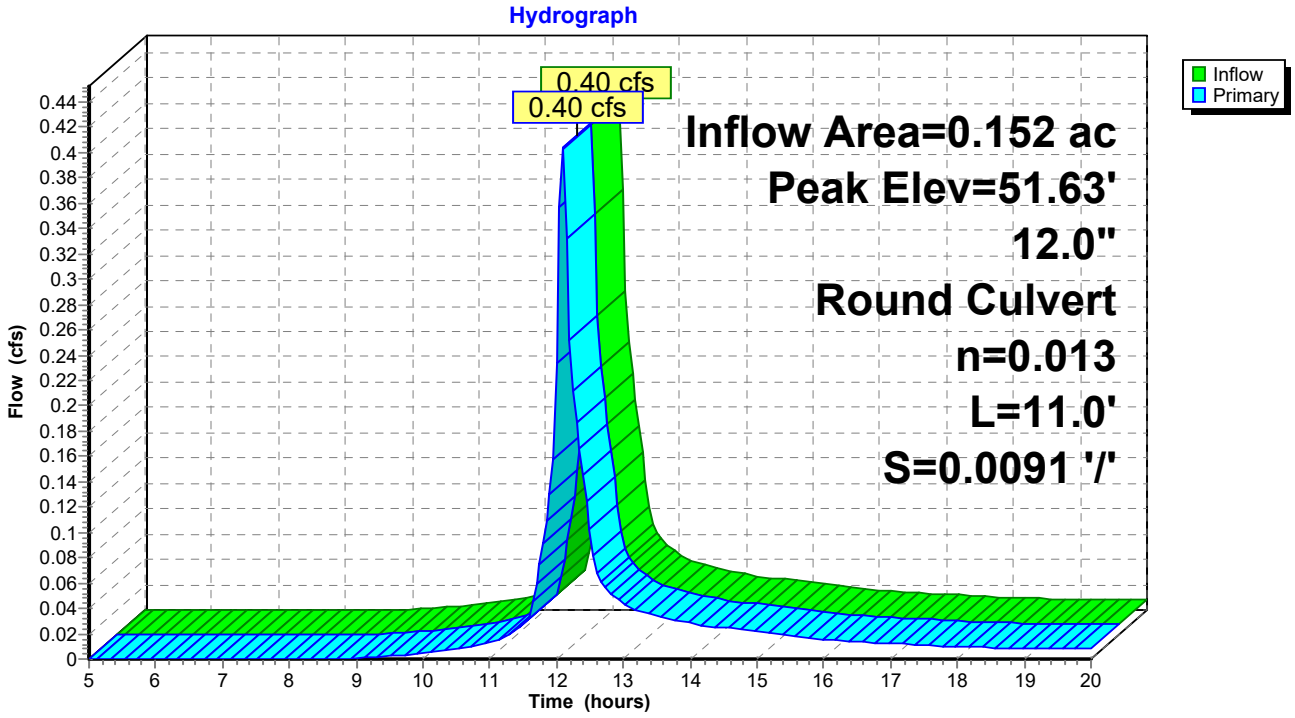
Inflow Area = 0.152 ac, 60.77% Impervious, Inflow Depth > 2.14" for 10-Year event
Inflow = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af
Outflow = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.40 cfs @ 12.09 hrs, Volume= 0.027 af
Routed to Pond 179P : DMH 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.63' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.25'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.25' / 51.15' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=51.62' (Free Discharge)
1=Culvert (Barrel Controls 0.40 cfs @ 2.22 fps)

Pond 178P: CB 12



Stage-Area-Storage for Pond 178P: CB 12

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.25	**0.000**	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000		
51.74	0.000		
51.75	0.000		
51.76	0.000		
51.77	0.000		

Summary for Pond 179P: DMH 8

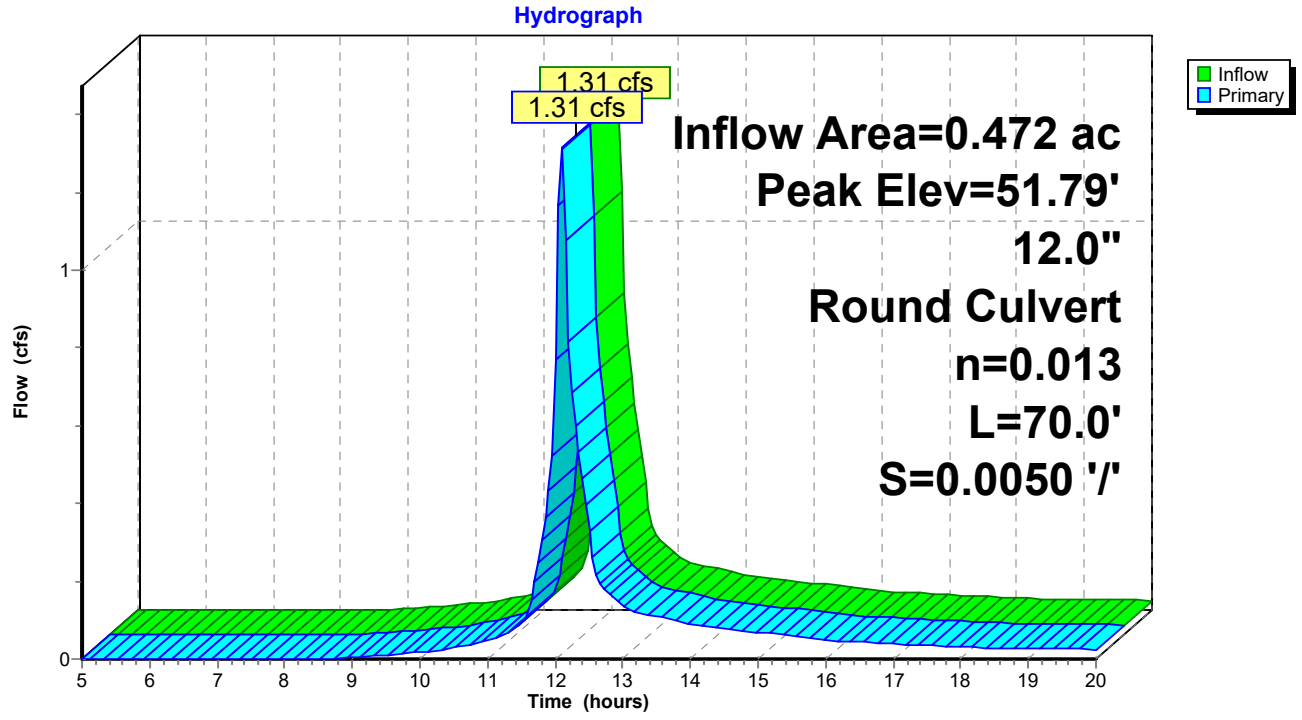
Inflow Area = 0.472 ac, 63.25% Impervious, Inflow Depth > 2.25" for 10-Year event
Inflow = 1.31 cfs @ 12.09 hrs, Volume= 0.089 af
Outflow = 1.31 cfs @ 12.09 hrs, Volume= 0.089 af, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.09 hrs, Volume= 0.089 af
Routed to Pond 217P : DMH 8A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.79' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.05'	**12.0" Round Culvert** L= 70.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 50.70' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.29 cfs @ 12.09 hrs HW=51.78' (Free Discharge)
1=Culvert (Barrel Controls 1.29 cfs @ 2.95 fps)

Pond 179P: DMH 8



Stage-Area-Storage for Pond 179P: DMH 8

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.05	**0.000**	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000		
51.54	0.000		
51.55	0.000		
51.56	0.000		
51.57	0.000		

Summary for Pond 180P: DMH 9

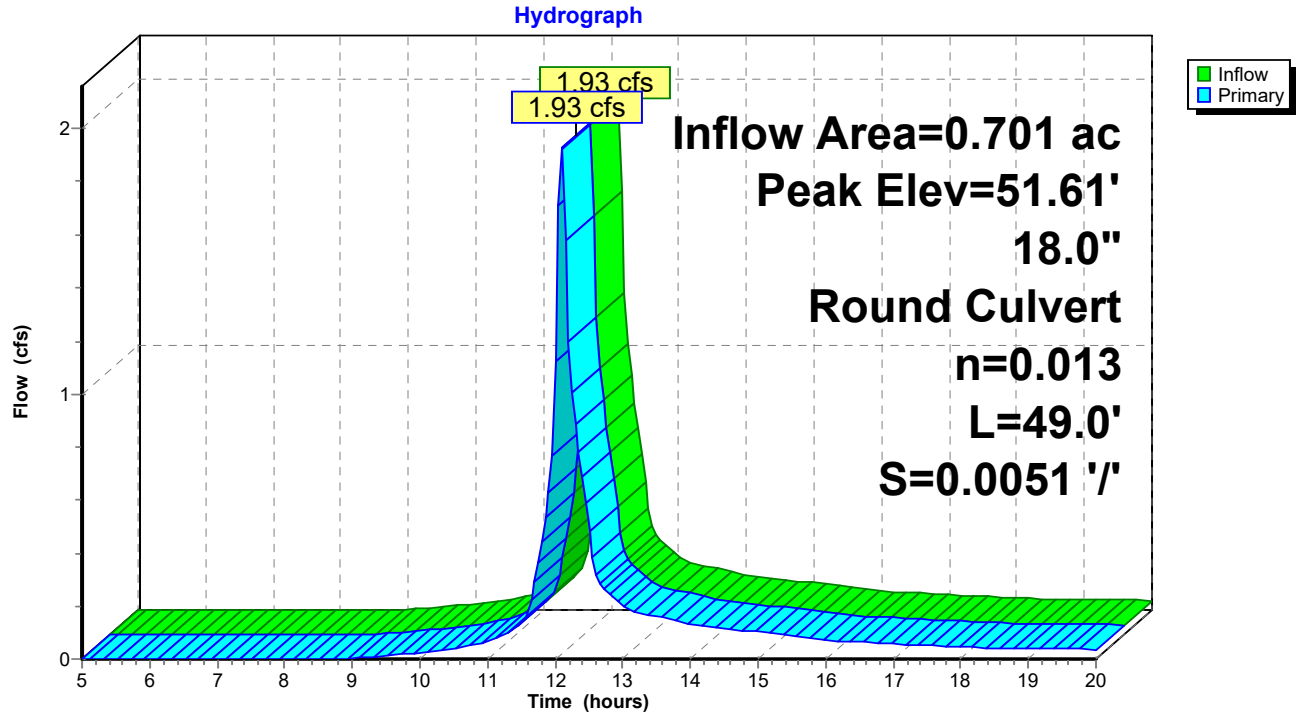
Inflow Area = 0.701 ac, 63.25% Impervious, Inflow Depth > 2.22" for 10-Year event
Inflow = 1.93 cfs @ 12.09 hrs, Volume= 0.130 af
Outflow = 1.93 cfs @ 12.09 hrs, Volume= 0.130 af, Atten= 0%, Lag= 0.0 min
Primary = 1.93 cfs @ 12.09 hrs, Volume= 0.130 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.61' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.84'	**18.0" Round Culvert** L= 49.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.84' / 50.59' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.90 cfs @ 12.09 hrs HW=51.61' (Free Discharge)
1=Culvert (Barrel Controls 1.90 cfs @ 3.05 fps)

Pond 180P: DMH 9



Stage-Area-Storage for Pond 180P: DMH 9

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.84	**0.000**	51.37	0.000	51.90	0.000
50.85	0.000	51.38	0.000	51.91	0.000
50.86	0.000	51.39	0.000	51.92	0.000
50.87	0.000	51.40	0.000	51.93	0.000
50.88	0.000	51.41	0.000	51.94	0.000
50.89	0.000	51.42	0.000	51.95	0.000
50.90	0.000	51.43	0.000	51.96	0.000
50.91	0.000	51.44	0.000	51.97	0.000
50.92	0.000	51.45	0.000	51.98	0.000
50.93	0.000	51.46	0.000	51.99	0.000
50.94	0.000	51.47	0.000	52.00	0.000
50.95	0.000	51.48	0.000	52.01	0.000
50.96	0.000	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000	52.05	0.000
51.00	0.000	51.53	0.000	52.06	0.000
51.01	0.000	51.54	0.000	52.07	0.000
51.02	0.000	51.55	0.000	52.08	0.000
51.03	0.000	51.56	0.000	52.09	0.000
51.04	0.000	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000	52.11	0.000
51.06	0.000	51.59	0.000	52.12	0.000
51.07	0.000	51.60	0.000	52.13	0.000
51.08	0.000	51.61	0.000	52.14	0.000
51.09	0.000	51.62	0.000	52.15	0.000
51.10	0.000	51.63	0.000	52.16	0.000
51.11	0.000	51.64	0.000	52.17	0.000
51.12	0.000	51.65	0.000	52.18	0.000
51.13	0.000	51.66	0.000	52.19	0.000
51.14	0.000	51.67	0.000	52.20	0.000
51.15	0.000	51.68	0.000	52.21	0.000
51.16	0.000	51.69	0.000	52.22	0.000
51.17	0.000	51.70	0.000	52.23	0.000
51.18	0.000	51.71	0.000	52.24	0.000
51.19	0.000	51.72	0.000	52.25	0.000
51.20	0.000	51.73	0.000	52.26	0.000
51.21	0.000	51.74	0.000	52.27	0.000
51.22	0.000	51.75	0.000	52.28	0.000
51.23	0.000	51.76	0.000	52.29	0.000
51.24	0.000	51.77	0.000	52.30	0.000
51.25	0.000	51.78	0.000	52.31	0.000
51.26	0.000	51.79	0.000	52.32	0.000
51.27	0.000	51.80	0.000	52.33	0.000
51.28	0.000	51.81	0.000	52.34	0.000
51.29	0.000	51.82	0.000		
51.30	0.000	51.83	0.000		
51.31	0.000	51.84	0.000		
51.32	0.000	51.85	0.000		
51.33	0.000	51.86	0.000		
51.34	0.000	51.87	0.000		
51.35	0.000	51.88	0.000		
51.36	0.000	51.89	0.000		

Summary for Pond 181P: DMH 7

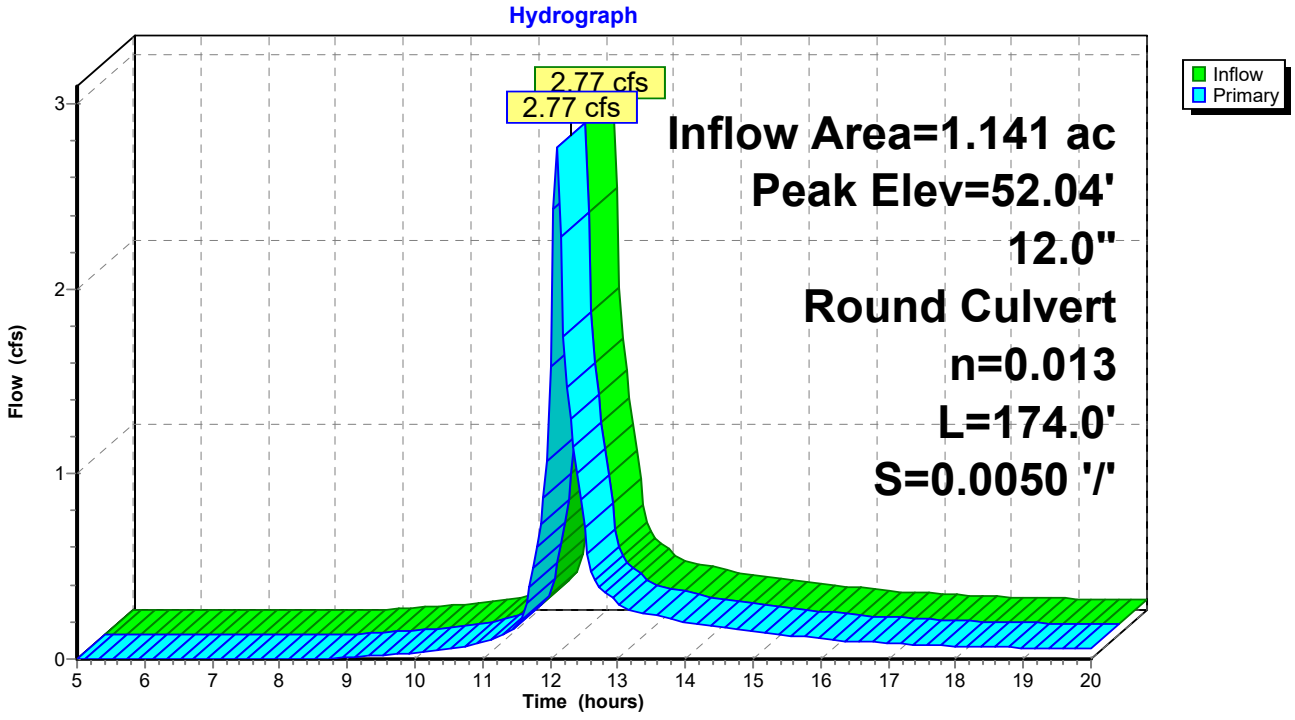
Inflow Area = 1.141 ac, 56.99% Impervious, Inflow Depth > 1.99" for 10-Year event
Inflow = 2.77 cfs @ 12.10 hrs, Volume= 0.189 af
Outflow = 2.77 cfs @ 12.10 hrs, Volume= 0.189 af, Atten= 0%, Lag= 0.0 min
Primary = 2.77 cfs @ 12.10 hrs, Volume= 0.189 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.04' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.49'	**12.0" Round Culvert** L= 174.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.49' / 49.62' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.73 cfs @ 12.10 hrs HW=52.00' (Free Discharge)
1=Culvert (Barrel Controls 2.73 cfs @ 3.47 fps)

Pond 181P: DMH 7



Stage-Area-Storage for Pond 181P: DMH 7

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.49	**0.000**	51.02	0.000	51.55	0.000
50.50	0.000	51.03	0.000	51.56	0.000
50.51	0.000	51.04	0.000	51.57	0.000
50.52	0.000	51.05	0.000	51.58	0.000
50.53	0.000	51.06	0.000	51.59	0.000
50.54	0.000	51.07	0.000	51.60	0.000
50.55	0.000	51.08	0.000	51.61	0.000
50.56	0.000	51.09	0.000	51.62	0.000
50.57	0.000	51.10	0.000	51.63	0.000
50.58	0.000	51.11	0.000	51.64	0.000
50.59	0.000	51.12	0.000	51.65	0.000
50.60	0.000	51.13	0.000	51.66	0.000
50.61	0.000	51.14	0.000	51.67	0.000
50.62	0.000	51.15	0.000	51.68	0.000
50.63	0.000	51.16	0.000	51.69	0.000
50.64	0.000	51.17	0.000	51.70	0.000
50.65	0.000	51.18	0.000	51.71	0.000
50.66	0.000	51.19	0.000	51.72	0.000
50.67	0.000	51.20	0.000	51.73	0.000
50.68	0.000	51.21	0.000	51.74	0.000
50.69	0.000	51.22	0.000	51.75	0.000
50.70	0.000	51.23	0.000	51.76	0.000
50.71	0.000	51.24	0.000	51.77	0.000
50.72	0.000	51.25	0.000	51.78	0.000
50.73	0.000	51.26	0.000	51.79	0.000
50.74	0.000	51.27	0.000	51.80	0.000
50.75	0.000	51.28	0.000	51.81	0.000
50.76	0.000	51.29	0.000	51.82	0.000
50.77	0.000	51.30	0.000	51.83	0.000
50.78	0.000	51.31	0.000	51.84	0.000
50.79	0.000	51.32	0.000	51.85	0.000
50.80	0.000	51.33	0.000	51.86	0.000
50.81	0.000	51.34	0.000	51.87	0.000
50.82	0.000	51.35	0.000	51.88	0.000
50.83	0.000	51.36	0.000	51.89	0.000
50.84	0.000	51.37	0.000	51.90	0.000
50.85	0.000	51.38	0.000	51.91	0.000
50.86	0.000	51.39	0.000	51.92	0.000
50.87	0.000	51.40	0.000	51.93	0.000
50.88	0.000	51.41	0.000	51.94	0.000
50.89	0.000	51.42	0.000	51.95	0.000
50.90	0.000	51.43	0.000	51.96	0.000
50.91	0.000	51.44	0.000	51.97	0.000
50.92	0.000	51.45	0.000	51.98	0.000
50.93	0.000	51.46	0.000	51.99	0.000
50.94	0.000	51.47	0.000	52.00	0.000
50.95	0.000	51.48	0.000	52.01	0.000
50.96	0.000	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000		
51.00	0.000	51.53	0.000		
51.01	0.000	51.54	0.000		

Summary for Pond 182P: CB 7

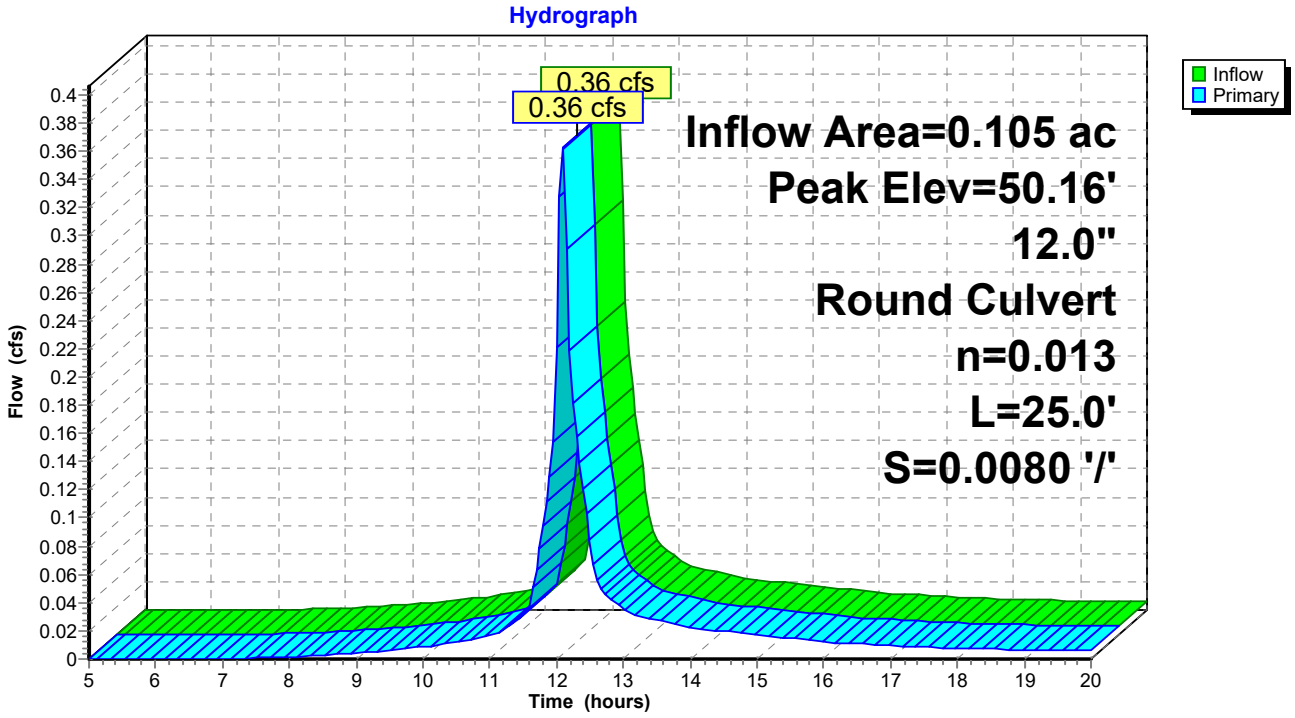
Inflow Area = 0.105 ac, 75.17% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 0.36 cfs @ 12.09 hrs, Volume= 0.025 af
Outflow = 0.36 cfs @ 12.09 hrs, Volume= 0.025 af, Atten= 0%, Lag= 0.0 min
Primary = 0.36 cfs @ 12.09 hrs, Volume= 0.025 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.16' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.82'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.82' / 49.62' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.36 cfs @ 12.09 hrs HW=50.16' (Free Discharge)
1=Culvert (Barrel Controls 0.36 cfs @ 2.29 fps)

Pond 182P: CB 7



Stage-Area-Storage for Pond 182P: CB 7

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.82	**0.000**	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000	50.64	0.000
50.12	0.000	50.65	0.000
50.13	0.000	50.66	0.000
50.14	0.000	50.67	0.000
50.15	0.000	50.68	0.000
50.16	0.000	50.69	0.000
50.17	0.000	50.70	0.000
50.18	0.000	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000		
50.31	0.000		
50.32	0.000		
50.33	0.000		
50.34	0.000		

Summary for Pond 185P: DMH 4

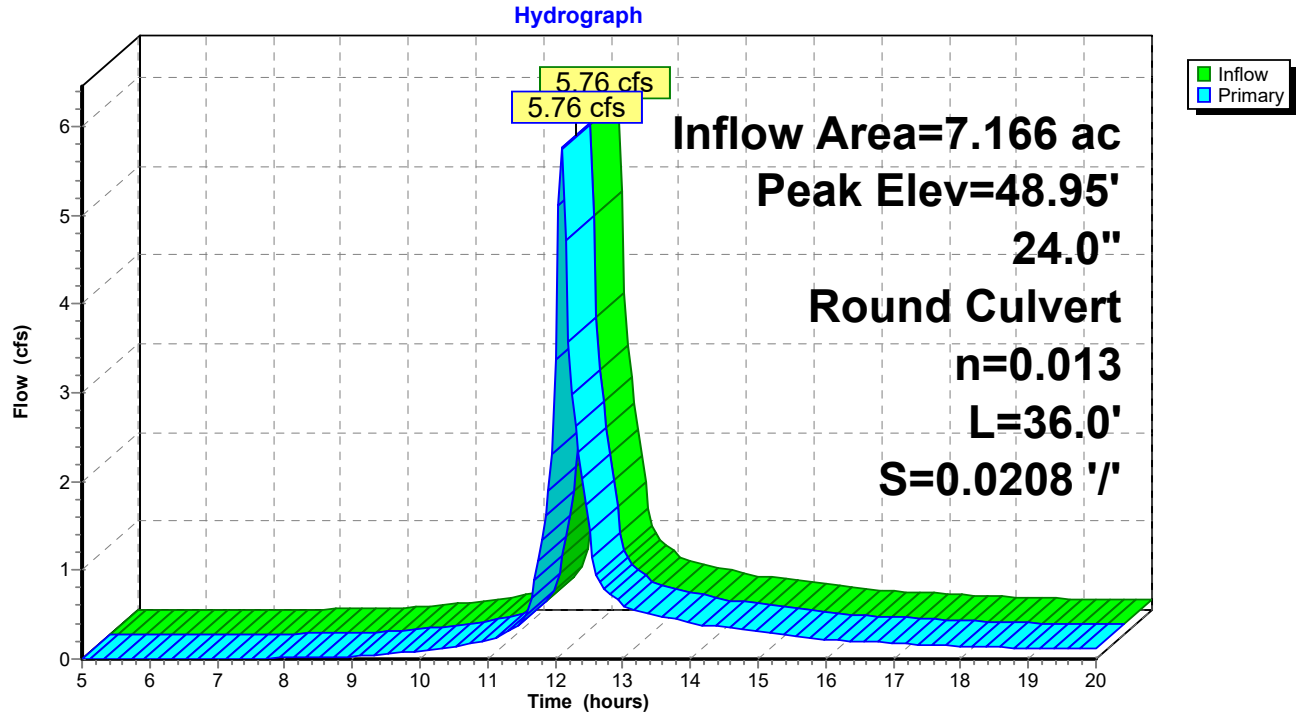
Inflow Area = 7.166 ac, 62.94% Impervious, Inflow Depth > 0.67" for 10-Year event
Inflow = 5.76 cfs @ 12.09 hrs, Volume= 0.399 af
Outflow = 5.76 cfs @ 12.09 hrs, Volume= 0.399 af, Atten= 0%, Lag= 0.0 min
Primary = 5.76 cfs @ 12.09 hrs, Volume= 0.399 af
Routed to Pond 197P : Inf. Basin 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.95' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	47.75'	**24.0" Round Culvert** L= 36.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.75' / 47.00' S= 0.0208 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.67 cfs @ 12.09 hrs HW=48.93' (Free Discharge)
1=Culvert (Inlet Controls 5.67 cfs @ 2.93 fps)

Pond 185P: DMH 4



Stage-Area-Storage for Pond 185P: DMH 4

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
47.75	**0.000**	48.81	0.000
47.77	0.000	48.83	0.000
47.79	0.000	48.85	0.000
47.81	0.000	48.87	0.000
47.83	0.000	48.89	0.000
47.85	0.000	48.91	0.000
47.87	0.000	48.93	0.000
47.89	0.000	48.95	0.000
47.91	0.000	48.97	0.000
47.93	0.000	48.99	0.000
47.95	0.000	49.01	0.000
47.97	0.000	49.03	0.000
47.99	0.000	49.05	0.000
48.01	0.000	49.07	0.000
48.03	0.000	49.09	0.000
48.05	0.000	49.11	0.000
48.07	0.000	49.13	0.000
48.09	0.000	49.15	0.000
48.11	0.000	49.17	0.000
48.13	0.000	49.19	0.000
48.15	0.000	49.21	0.000
48.17	0.000	49.23	0.000
48.19	0.000	49.25	0.000
48.21	0.000	49.27	0.000
48.23	0.000	49.29	0.000
48.25	0.000	49.31	0.000
48.27	0.000	49.33	0.000
48.29	0.000	49.35	0.000
48.31	0.000	49.37	0.000
48.33	0.000	49.39	0.000
48.35	0.000	49.41	0.000
48.37	0.000	49.43	0.000
48.39	0.000	49.45	0.000
48.41	0.000	49.47	0.000
48.43	0.000	49.49	0.000
48.45	0.000	49.51	0.000
48.47	0.000	49.53	0.000
48.49	0.000	49.55	0.000
48.51	0.000	49.57	0.000
48.53	0.000	49.59	0.000
48.55	0.000	49.61	0.000
48.57	0.000	49.63	0.000
48.59	0.000	49.65	0.000
48.61	0.000	49.67	0.000
48.63	0.000	49.69	0.000
48.65	0.000	49.71	0.000
48.67	0.000	49.73	0.000
48.69	0.000	49.75	0.000
48.71	0.000		
48.73	0.000		
48.75	0.000		
48.77	0.000		
48.79	0.000		

Summary for Pond 186P: Constructed Wetland 1

Inflow Area = 1.052 ac, 38.52% Impervious, Inflow Depth > 1.36" for 10-Year event
Inflow = 1.66 cfs @ 12.10 hrs, Volume= 0.119 af
Outflow = 0.93 cfs @ 12.24 hrs, Volume= 0.095 af, Atten= 44%, Lag= 8.7 min
Primary = 0.93 cfs @ 12.24 hrs, Volume= 0.095 af
Routed to Pond 197P : Inf. Basin 1
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 46.97' @ 12.24 hrs Surf.Area= 2,242 sf Storage= 1,664 cf

Plug-Flow detention time= 97.6 min calculated for 0.095 af (80% of inflow)
Center-of-Mass det. time= 42.6 min (843.3 - 800.8)

Volume	Invert	Avail.Storage	Storage Description
#1	46.00'	16,106 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

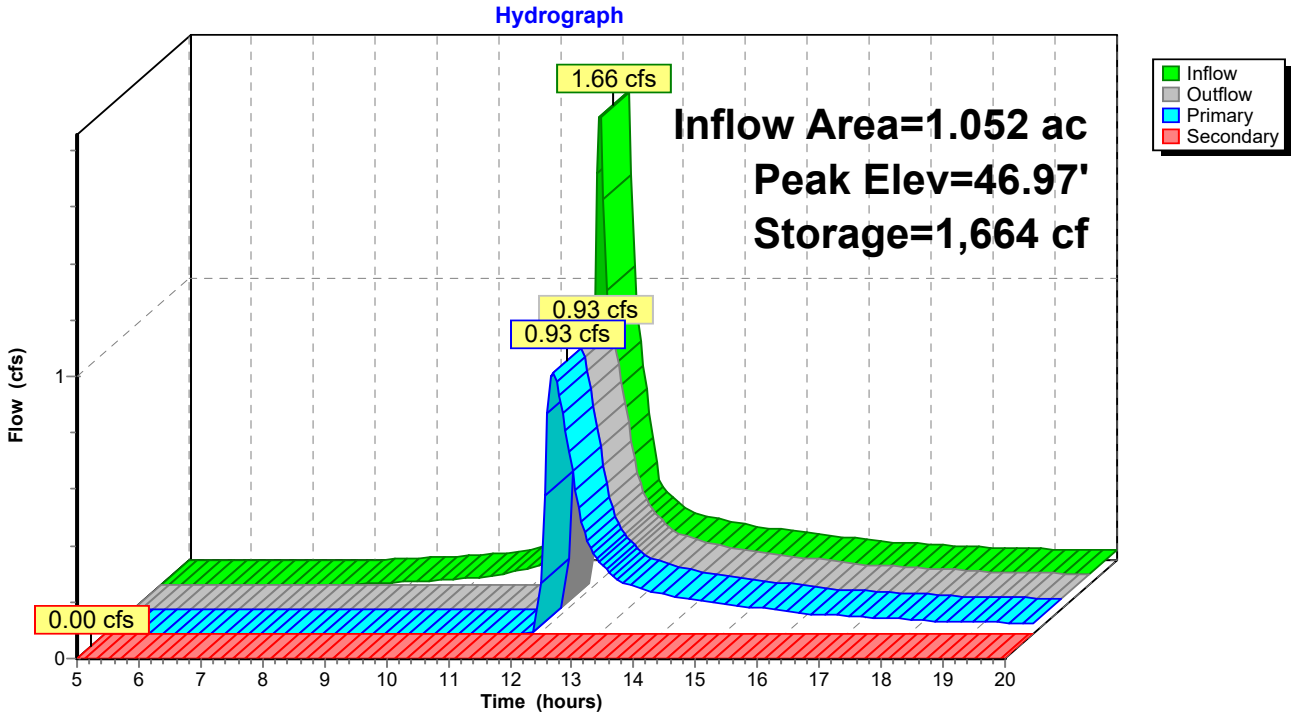
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
46.00	1,184	0	0
47.00	2,274	1,729	1,729
48.00	2,884	2,579	4,308
49.00	3,553	3,219	7,527
50.00	4,275	3,914	11,441
51.00	5,055	4,665	16,106

Device	Routing	Invert	Outlet Devices
#1	Secondary	46.00'	**12.0" Round Culvert** L= 186.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.00' / 43.50' S= 0.0134 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	49.20'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Primary	46.60'	**18.0" Round Culvert X 2.00** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.60' / 46.50' S= 0.0050 '/' Cc= 0.900 n= 0.013 Cast iron, coated, Flow Area= 1.77 sf

Primary OutFlow Max=0.92 cfs @ 12.24 hrs HW=46.97' (Free Discharge)
└**3=Culvert** (Barrel Controls 0.92 cfs @ 2.05 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=46.00' (Free Discharge)
└**1=Culvert** (Controls 0.00 cfs)
└**2=Orifice/Grate** (Controls 0.00 cfs)

Pond 186P: Constructed Wetland 1



Stage-Area-Storage for Pond 186P: Constructed Wetland 1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
46.00	1,184	0
46.05	1,238	61
46.10	1,293	124
46.15	1,347	190
46.20	1,402	259
46.25	1,457	330
46.30	1,511	404
46.35	1,566	481
46.40	1,620	561
46.45	1,675	643
46.50	1,729	728
46.55	1,783	816
46.60	1,838	907
46.65	1,892	1,000
46.70	1,947	1,096
46.75	2,002	1,195
46.80	2,056	1,296
46.85	2,111	1,400
46.90	2,165	1,507
46.95	2,220	1,617
47.00	2,274	1,729
47.05	2,304	1,843
47.10	2,335	1,959
47.15	2,365	2,077
47.20	2,396	2,196
47.25	2,427	2,317
47.30	2,457	2,439
47.35	2,488	2,562
47.40	2,518	2,687
47.45	2,549	2,814
47.50	2,579	2,942
47.55	2,609	3,072
47.60	2,640	3,203
47.65	2,670	3,336
47.70	2,701	3,470
47.75	2,732	3,606
47.80	2,762	3,743
47.85	2,793	3,882
47.90	2,823	4,023
47.95	2,854	4,165
48.00	2,884	4,308
48.05	2,917	4,453
48.10	2,951	4,600
48.15	2,984	4,748
48.20	3,018	4,898
48.25	3,051	5,050
48.30	3,085	5,203
48.35	3,118	5,358
48.40	3,152	5,515
48.45	3,185	5,674
48.50	3,219	5,834
48.55	3,252	5,995
48.60	3,285	6,159
48.65	3,319	6,324
48.70	3,352	6,491
48.75	3,386	6,659
48.80	3,419	6,829
48.85	3,453	7,001
48.90	3,486	7,175
48.95	3,520	7,350
49.00	3,553	7,527
49.05	3,589	7,705
49.10	3,625	7,885
49.15	3,661	8,068
49.20	3,697	8,252
49.25	3,734	8,437
49.30	3,770	8,625
49.35	3,806	8,814
49.40	3,842	9,005
49.45	3,878	9,198
49.50	3,914	9,393
49.55	3,950	9,590
49.60	3,986	9,788
49.65	4,022	9,988
49.70	4,058	10,190
49.75	4,095	10,394
49.80	4,131	10,600
49.85	4,167	10,807
49.90	4,203	11,017
49.95	4,239	11,228
50.00	4,275	11,441
50.05	4,314	11,655
50.10	4,353	11,872
50.15	4,392	12,091
50.20	4,431	12,311
50.25	4,470	12,534
50.30	4,509	12,758
50.35	4,548	12,985
50.40	4,587	13,213
50.45	4,626	13,443
50.50	4,665	13,676
50.55	4,704	13,910
50.60	4,743	14,146
50.65	4,782	14,384
50.70	4,821	14,624
50.75	4,860	14,866
50.80	4,899	15,110
50.85	4,938	15,356
50.90	4,977	15,604
50.95	5,016	15,854
51.00	**5,055**	**16,106**

Summary for Pond 187P: Constructed Wetland 3

Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 3.02" for 10-Year event
Inflow = 7.23 cfs @ 12.14 hrs, Volume= 0.501 af
Outflow = 5.40 cfs @ 12.25 hrs, Volume= 0.372 af, Atten= 25%, Lag= 6.8 min
Primary = 5.40 cfs @ 12.25 hrs, Volume= 0.372 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.25' @ 12.25 hrs Surf.Area= 4,263 sf Storage= 6,942 cf

Plug-Flow detention time= 92.7 min calculated for 0.372 af (74% of inflow)
Center-of-Mass det. time= 34.3 min (832.3 - 798.0)

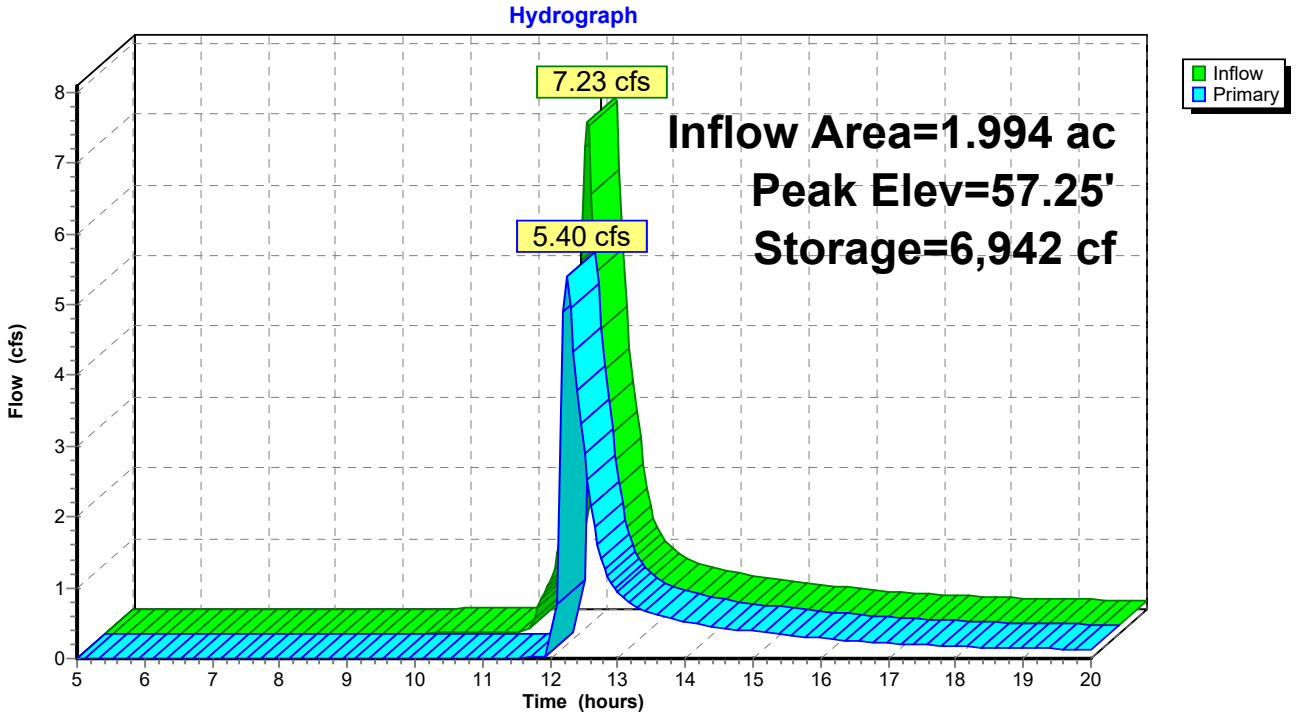
Volume	Invert	Avail.Storage	Storage Description
#1	55.00'	10,466 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
55.00	1,991	0	0
56.00	2,932	2,462	2,462
57.00	3,987	3,460	5,921
58.00	5,102	4,545	10,466

Device	Routing	Invert	Outlet Devices
#1	Primary	55.00'	**24.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.00' / 54.00' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Device 1	55.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.90'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=5.39 cfs @ 12.25 hrs HW=57.25' (Free Discharge)
└**1=Culvert** (Passes 5.39 cfs of 13.34 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.04 cfs @ 7.15 fps)
  └**3=Orifice/Grate** (Weir Controls 5.35 cfs @ 1.93 fps)

Pond 187P: Constructed Wetland 3



Stage-Area-Storage for Pond 187P: Constructed Wetland 3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
55.00	1,991	0
55.05	2,038	101
55.10	2,085	204
55.15	2,132	309
55.20	2,179	417
55.25	2,226	527
55.30	2,273	640
55.35	2,320	754
55.40	2,367	872
55.45	2,414	991
55.50	2,462	1,113
55.55	2,509	1,237
55.60	2,556	1,364
55.65	2,603	1,493
55.70	2,650	1,624
55.75	2,697	1,758
55.80	2,744	1,894
55.85	2,791	2,032
55.90	2,838	2,173
55.95	2,885	2,316
56.00	2,932	2,462
56.05	2,985	2,609
56.10	3,038	2,760
56.15	3,090	2,913
56.20	3,143	3,069
56.25	3,196	3,227
56.30	3,248	3,389
56.35	3,301	3,552
56.40	3,354	3,719
56.45	3,407	3,888
56.50	3,460	4,059
56.55	3,512	4,234
56.60	3,565	4,411
56.65	3,618	4,590
56.70	3,671	4,772
56.75	3,723	4,957
56.80	3,776	5,145
56.85	3,829	5,335
56.90	3,881	5,528
56.95	3,934	5,723
57.00	3,987	5,921
57.05	4,043	6,122
57.10	4,099	6,325
57.15	4,154	6,532
57.20	4,210	6,741
57.25	4,266	6,953
57.30	4,321	7,167
57.35	4,377	7,385
57.40	4,433	7,605
57.45	4,489	7,828
57.50	4,545	8,054
57.55	4,600	8,282
57.60	4,656	8,514
57.65	4,712	8,748
57.70	4,768	8,985
57.75	4,823	9,225
57.80	4,879	9,467
57.85	4,935	9,713
57.90	4,990	9,961
57.95	5,046	10,212
58.00	**5,102**	**10,466**

Summary for Pond 188P: CB 3

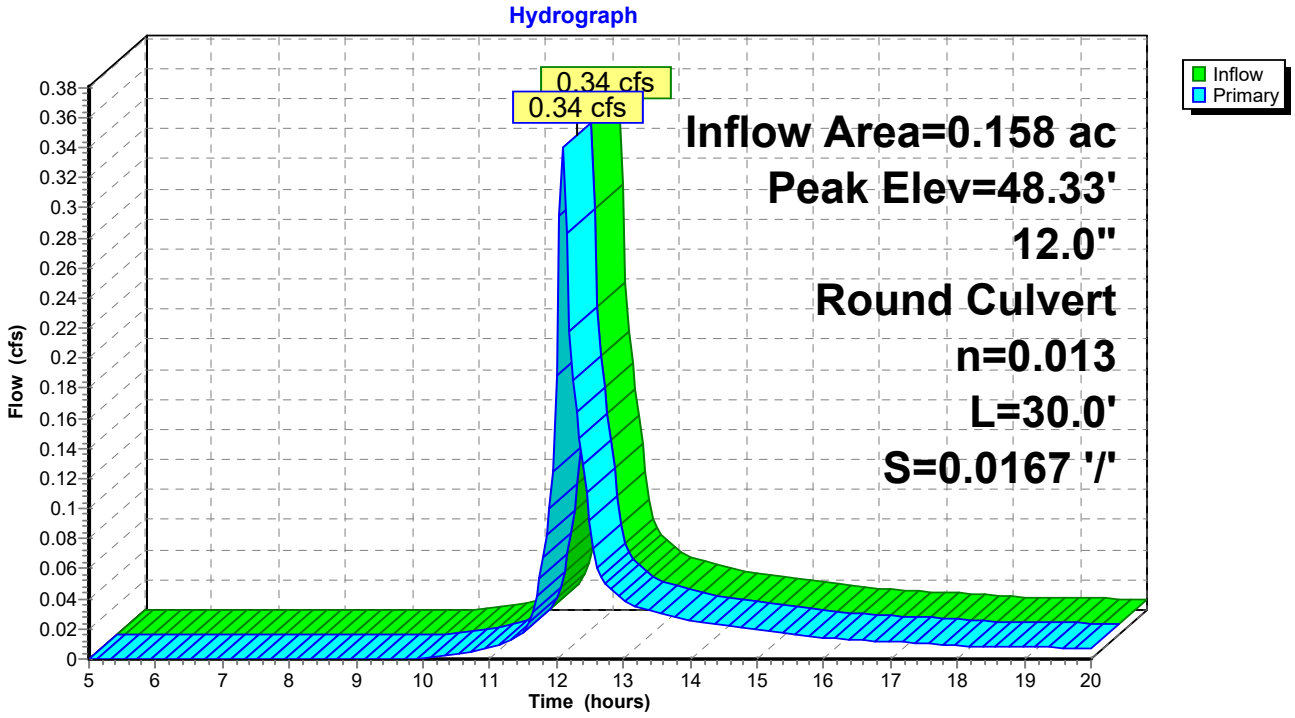
Inflow Area = 0.158 ac, 54.66% Impervious, Inflow Depth > 1.76" for 10-Year event
Inflow = 0.34 cfs @ 12.10 hrs, Volume= 0.023 af
Outflow = 0.34 cfs @ 12.10 hrs, Volume= 0.023 af, Atten= 0%, Lag= 0.0 min
Primary = 0.34 cfs @ 12.10 hrs, Volume= 0.023 af
Routed to Pond 190P : DMH 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.33' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 30.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.50' S= 0.0167 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.34 cfs @ 12.10 hrs HW=48.32' (Free Discharge)
1=Culvert (Inlet Controls 0.34 cfs @ 1.53 fps)

Pond 188P: CB 3



Stage-Area-Storage for Pond 188P: CB 3

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 189P: CB 4

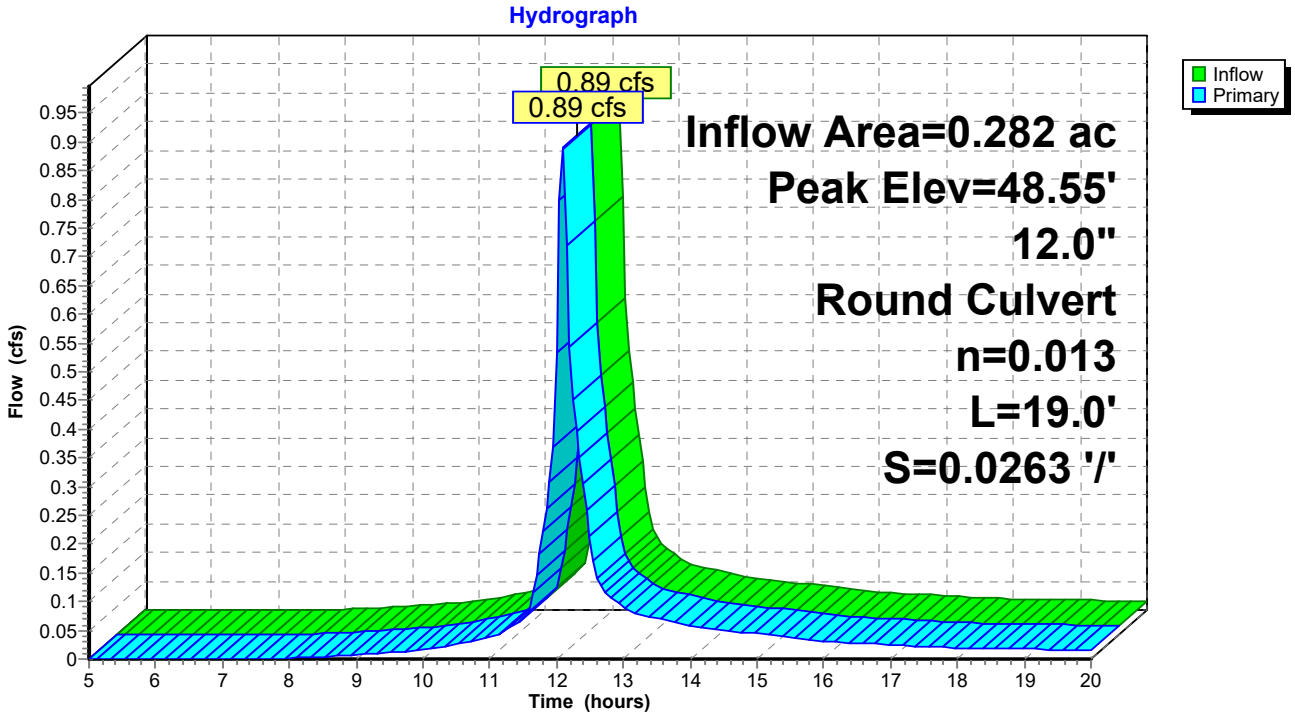
Inflow Area = 0.282 ac, 69.07% Impervious, Inflow Depth > 2.56" for 10-Year event
Inflow = 0.89 cfs @ 12.09 hrs, Volume= 0.060 af
Outflow = 0.89 cfs @ 12.09 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.89 cfs @ 12.09 hrs, Volume= 0.060 af
Routed to Pond 190P : DMH 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.55' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.50' S= 0.0263 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.87 cfs @ 12.09 hrs HW=48.55' (Free Discharge)
1=Culvert (Inlet Controls 0.87 cfs @ 1.99 fps)

Pond 189P: CB 4



Stage-Area-Storage for Pond 189P: CB 4

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 190P: DMH 3

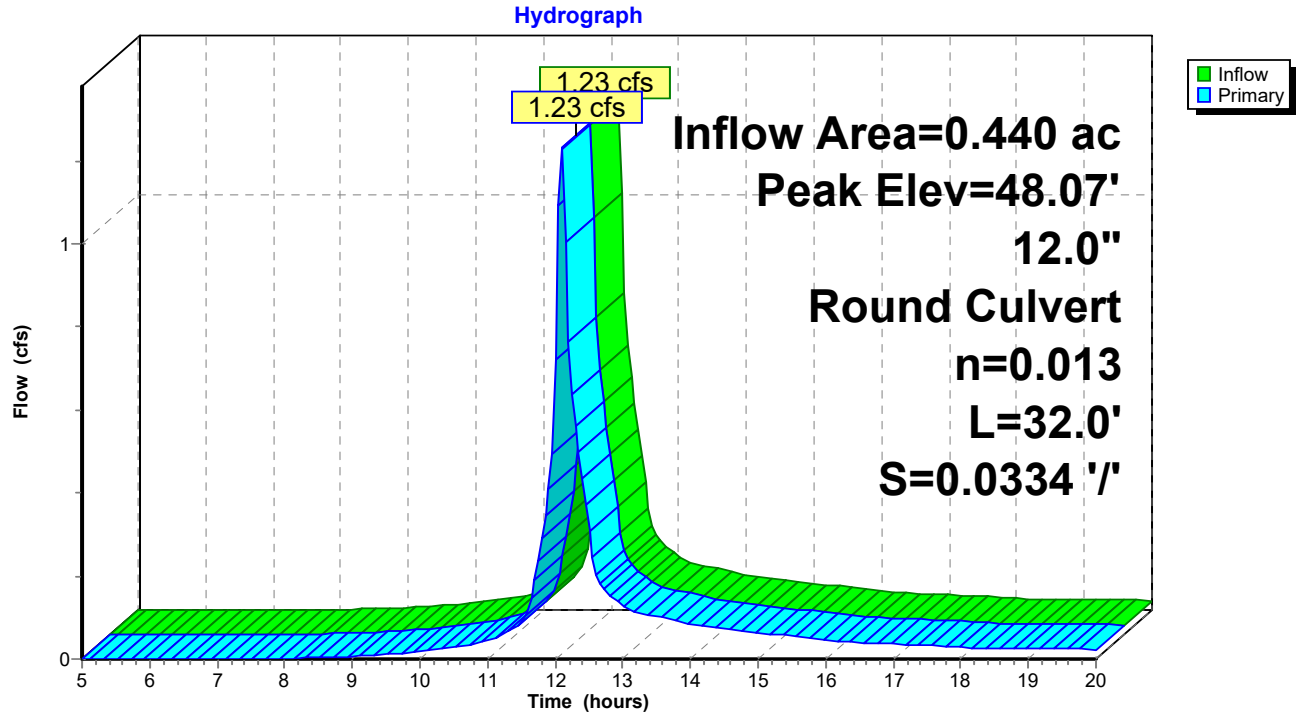
Inflow Area = 0.440 ac, 63.90% Impervious, Inflow Depth > 2.27" for 10-Year event
Inflow = 1.23 cfs @ 12.09 hrs, Volume= 0.083 af
Outflow = 1.23 cfs @ 12.09 hrs, Volume= 0.083 af, Atten= 0%, Lag= 0.0 min
Primary = 1.23 cfs @ 12.09 hrs, Volume= 0.083 af
Routed to Pond 213P : DMH 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.07' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	47.40'	**12.0" Round Culvert** L= 32.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.40' / 46.33' S= 0.0334 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.21 cfs @ 12.09 hrs HW=48.06' (Free Discharge)
1=Culvert (Inlet Controls 1.21 cfs @ 2.19 fps)

Pond 190P: DMH 3



Stage-Area-Storage for Pond 190P: DMH 3

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
47.40	**0.000**	47.93	0.000
47.41	0.000	47.94	0.000
47.42	0.000	47.95	0.000
47.43	0.000	47.96	0.000
47.44	0.000	47.97	0.000
47.45	0.000	47.98	0.000
47.46	0.000	47.99	0.000
47.47	0.000	48.00	0.000
47.48	0.000	48.01	0.000
47.49	0.000	48.02	0.000
47.50	0.000	48.03	0.000
47.51	0.000	48.04	0.000
47.52	0.000	48.05	0.000
47.53	0.000	48.06	0.000
47.54	0.000	48.07	0.000
47.55	0.000	48.08	0.000
47.56	0.000	48.09	0.000
47.57	0.000	48.10	0.000
47.58	0.000	48.11	0.000
47.59	0.000	48.12	0.000
47.60	0.000	48.13	0.000
47.61	0.000	48.14	0.000
47.62	0.000	48.15	0.000
47.63	0.000	48.16	0.000
47.64	0.000	48.17	0.000
47.65	0.000	48.18	0.000
47.66	0.000	48.19	0.000
47.67	0.000	48.20	0.000
47.68	0.000	48.21	0.000
47.69	0.000	48.22	0.000
47.70	0.000	48.23	0.000
47.71	0.000	48.24	0.000
47.72	0.000	48.25	0.000
47.73	0.000	48.26	0.000
47.74	0.000	48.27	0.000
47.75	0.000	48.28	0.000
47.76	0.000	48.29	0.000
47.77	0.000	48.30	0.000
47.78	0.000	48.31	0.000
47.79	0.000	48.32	0.000
47.80	0.000	48.33	0.000
47.81	0.000	48.34	0.000
47.82	0.000	48.35	0.000
47.83	0.000	48.36	0.000
47.84	0.000	48.37	0.000
47.85	0.000	48.38	0.000
47.86	0.000	48.39	0.000
47.87	0.000	48.40	0.000
47.88	0.000		
47.89	0.000		
47.90	0.000		
47.91	0.000		
47.92	0.000		

Summary for Pond 191P: CB 42

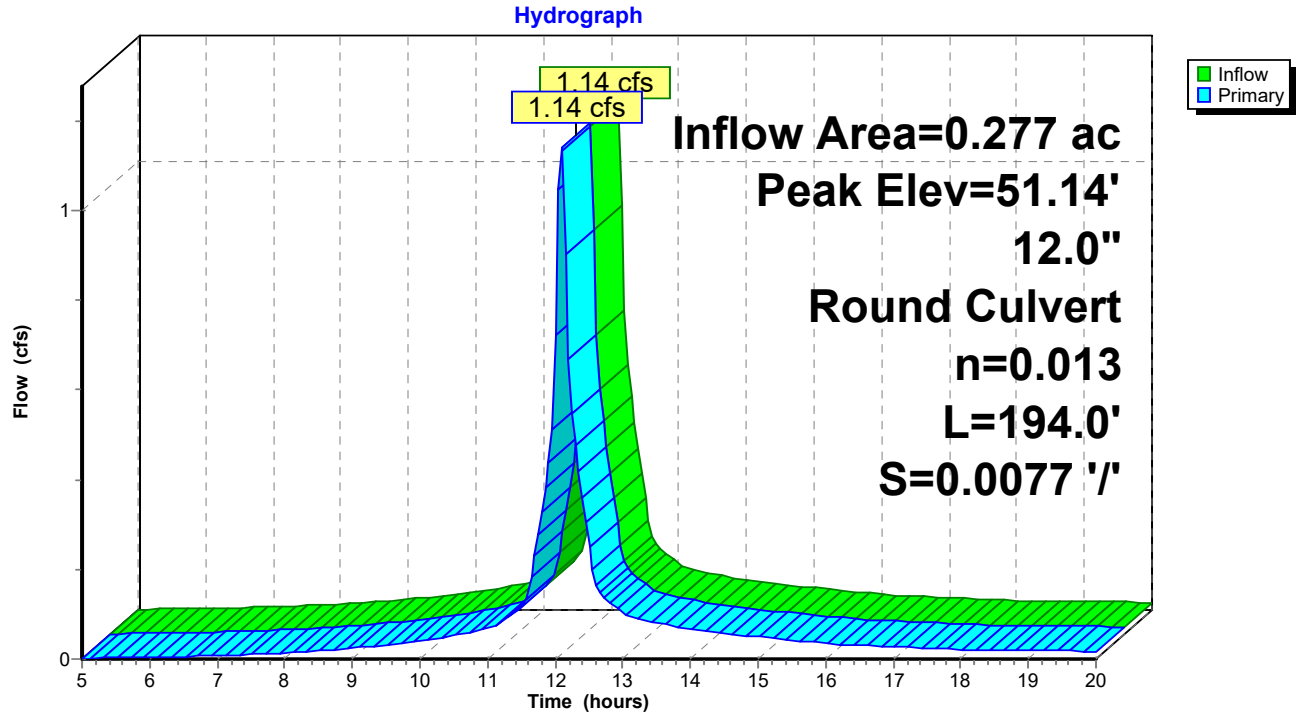
Inflow Area = 0.277 ac, 85.87% Impervious, Inflow Depth > 3.51" for 10-Year event
Inflow = 1.14 cfs @ 12.09 hrs, Volume= 0.081 af
Outflow = 1.14 cfs @ 12.09 hrs, Volume= 0.081 af, Atten= 0%, Lag= 0.0 min
Primary = 1.14 cfs @ 12.09 hrs, Volume= 0.081 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.14' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.50'	**12.0" Round Culvert** L= 194.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.50' / 49.00' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.11 cfs @ 12.09 hrs HW=51.13' (Free Discharge)
1=Culvert (Inlet Controls 1.11 cfs @ 2.13 fps)

Pond 191P: CB 42



Stage-Area-Storage for Pond 191P: CB 42

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.50	**0.000**	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000		
50.99	0.000		
51.00	0.000		
51.01	0.000		
51.02	0.000		

Summary for Pond 192P: Sub. Inf. 8

Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 2.31" for 10-Year event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af
Outflow = 0.36 cfs @ 12.22 hrs, Volume= 0.041 af, Atten= 41%, Lag= 7.5 min
Discarded = 0.36 cfs @ 12.22 hrs, Volume= 0.041 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.67' @ 12.22 hrs Surf.Area= 0.022 ac Storage= 0.003 af

Plug-Flow detention time= 1.8 min calculated for 0.041 af (100% of inflow)
Center-of-Mass det. time= 1.7 min (796.4 - 794.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	50.33'	0.020 af	**20.50'W x 46.34'L x 3.50'H Field A** 0.076 af Overall - 0.026 af Embedded = 0.051 af x 40.0% Voids
#2A	50.83'	0.026 af	**ADS_StormTech SC-740 b +Cap** x 24 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 24 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.046 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.33'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 46.50'

Discarded OutFlow Max=0.36 cfs @ 12.22 hrs HW=50.66' (Free Discharge)
↑**1=Exfiltration** (Controls 0.36 cfs)

Pond 192P: Sub. Inf. 8 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

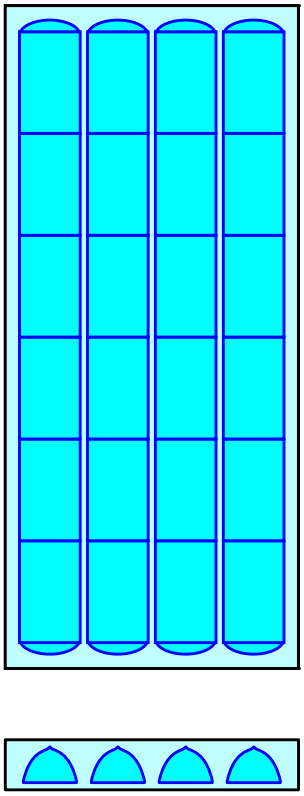
6 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 44.34' Row Length +12.0" End Stone x 2 = 46.34' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

24 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 1,123.8 cf Chamber Storage

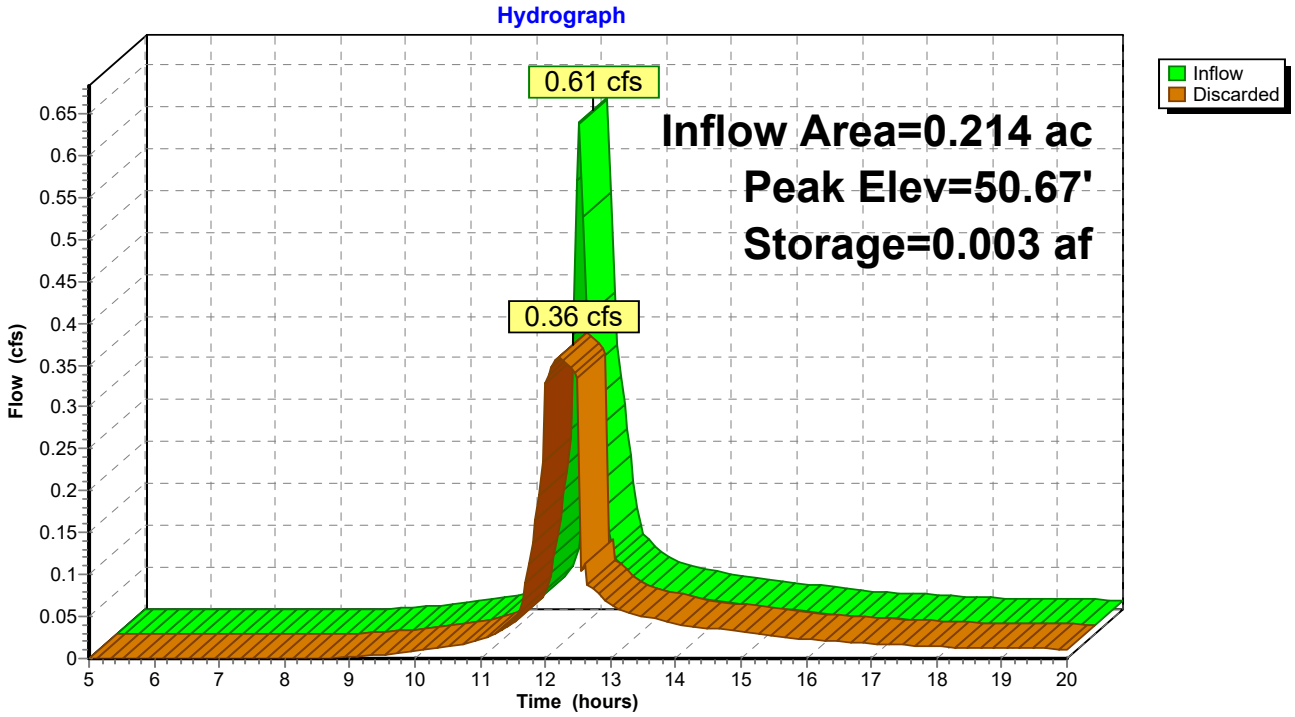
3,324.7 cf Field - 1,123.8 cf Chambers = 2,200.9 cf Stone x 40.0% Voids = 880.3 cf Stone Storage

Chamber Storage + Stone Storage = 2,004.1 cf = 0.046 af
Overall Storage Efficiency = 60.3%
Overall System Size = 46.34' x 20.50' x 3.50'

24 Chambers
123.1 cy Field
81.5 cy Stone



Pond 192P: Sub. Inf. 8



Stage-Area-Storage for Pond 192P: Sub. Inf. 8

Elevation (feet)	Surface (acres)	Storage (acre-feet)
50.33	**0.022**	0.000
50.38	0.022	0.000
50.43	0.022	0.001
50.48	0.022	0.001
50.53	0.022	0.002
50.58	0.022	0.002
50.63	0.022	0.003
50.68	0.022	0.003
50.73	0.022	0.003
50.78	0.022	0.004
50.83	0.022	0.004
50.88	0.022	0.005
50.93	0.022	0.006
50.98	0.022	0.007
51.03	0.022	0.008
51.08	0.022	0.009
51.13	0.022	0.010
51.18	0.022	0.011
51.23	0.022	0.011
51.28	0.022	0.012
51.33	0.022	0.013
51.38	0.022	0.014
51.43	0.022	0.015
51.48	0.022	0.016
51.53	0.022	0.016
51.58	0.022	0.017
51.63	0.022	0.018
51.68	0.022	0.019
51.73	0.022	0.020
51.78	0.022	0.021
51.83	0.022	0.021
51.88	0.022	0.022
51.93	0.022	0.023
51.98	0.022	0.024
52.03	0.022	0.025
52.08	0.022	0.025
52.13	0.022	0.026
52.18	0.022	0.027
52.23	0.022	0.028
52.28	0.022	0.029
52.33	0.022	0.029
52.38	0.022	0.030
52.43	0.022	0.031
52.48	0.022	0.032
52.53	0.022	0.032
52.58	0.022	0.033
52.63	0.022	0.034
52.68	0.022	0.034
52.73	0.022	0.035
52.78	0.022	0.036
52.83	0.022	0.036
52.88	0.022	0.037
52.93	0.022	0.038
52.98	0.022	0.038
53.03	0.022	0.039
53.08	0.022	0.039
53.13	0.022	0.040
53.18	0.022	0.040
53.23	0.022	0.041
53.28	0.022	0.041
53.33	0.022	0.042
53.38	0.022	0.042
53.43	0.022	0.043
53.48	0.022	0.043
53.53	0.022	0.043
53.58	0.022	0.044
53.63	0.022	0.044
53.68	0.022	0.045
53.73	0.022	0.045
53.78	0.022	0.046
53.83	0.022	**0.046**

Summary for Pond 193P: CB 1

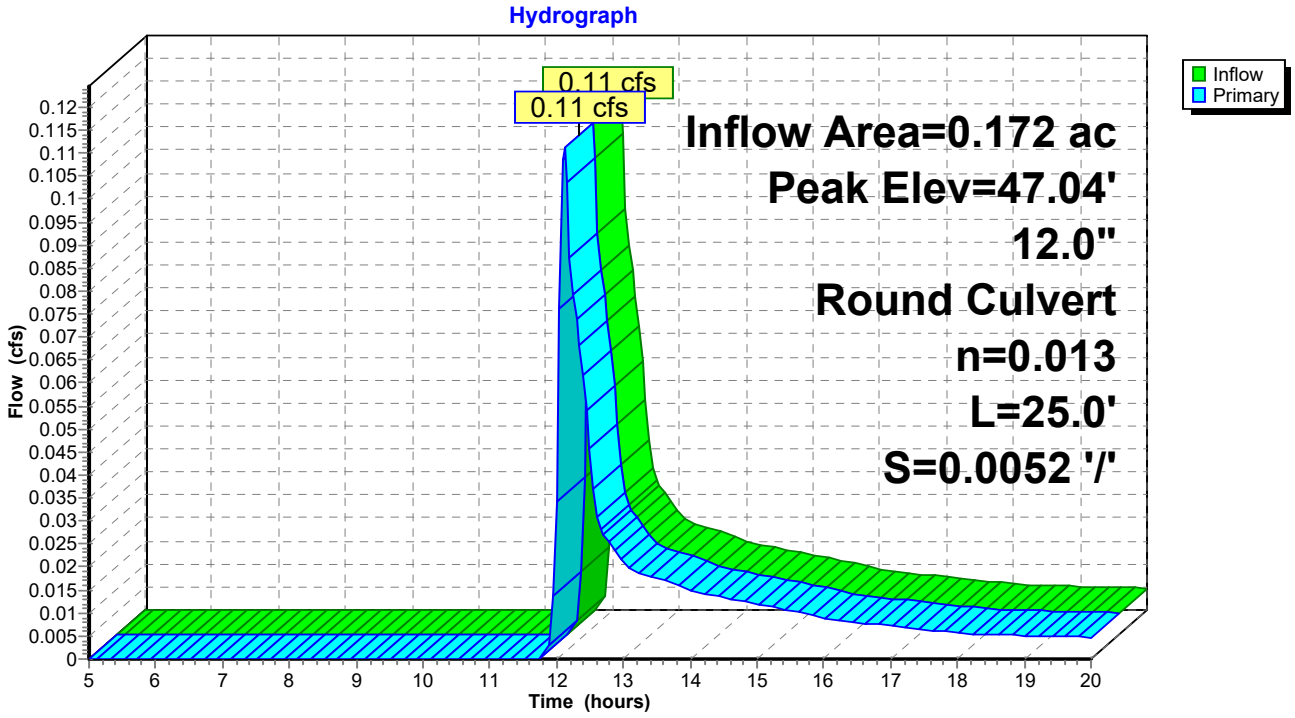
Inflow Area = 0.172 ac, 31.70% Impervious, Inflow Depth > 0.69" for 10-Year event
Inflow = 0.11 cfs @ 12.12 hrs, Volume= 0.010 af
Outflow = 0.11 cfs @ 12.12 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min
Primary = 0.11 cfs @ 12.12 hrs, Volume= 0.010 af
Routed to Pond 200P : DMH 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.04' @ 12.12 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.84'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.84' / 46.71' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.11 cfs @ 12.12 hrs HW=47.03' (Free Discharge)
1=Culvert (Barrel Controls 0.11 cfs @ 1.52 fps)

Pond 193P: CB 1



Stage-Area-Storage for Pond 193P: CB 1

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.84	**0.000**	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000	47.67	0.000
47.15	0.000	47.68	0.000
47.16	0.000	47.69	0.000
47.17	0.000	47.70	0.000
47.18	0.000	47.71	0.000
47.19	0.000	47.72	0.000
47.20	0.000	47.73	0.000
47.21	0.000	47.74	0.000
47.22	0.000	47.75	0.000
47.23	0.000	47.76	0.000
47.24	0.000	47.77	0.000
47.25	0.000	47.78	0.000
47.26	0.000	47.79	0.000
47.27	0.000	47.80	0.000
47.28	0.000	47.81	0.000
47.29	0.000	47.82	0.000
47.30	0.000	47.83	0.000
47.31	0.000	47.84	0.000
47.32	0.000		
47.33	0.000		
47.34	0.000		
47.35	0.000		
47.36	0.000		

Summary for Pond 194P: CB 2

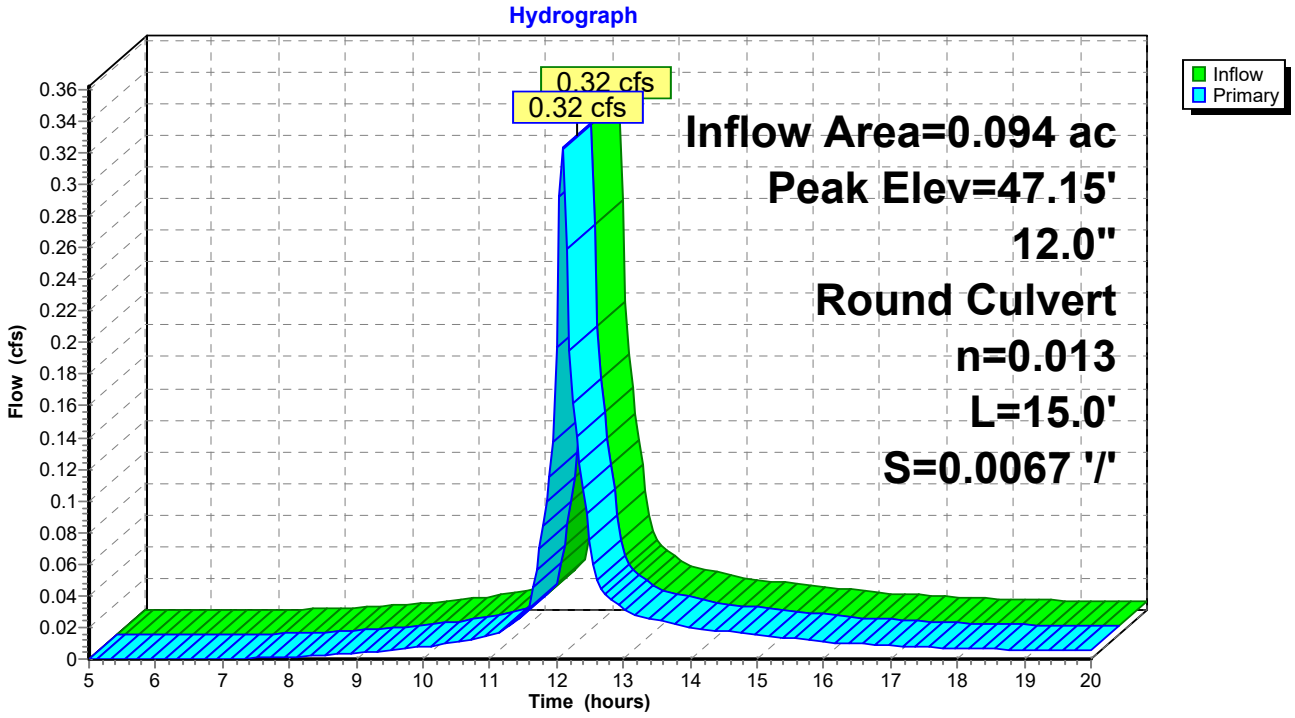
Inflow Area = 0.094 ac, 74.38% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af
Outflow = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af, Atten= 0%, Lag= 0.0 min
Primary = 0.32 cfs @ 12.09 hrs, Volume= 0.022 af
Routed to Pond 200P : DMH 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.15' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.81'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.81' / 46.71' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.32 cfs @ 12.09 hrs HW=47.15' (Free Discharge)
1=Culvert (Barrel Controls 0.32 cfs @ 2.04 fps)

Pond 194P: CB 2



Stage-Area-Storage for Pond 194P: CB 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.81	**0.000**	47.34	0.000
46.82	0.000	47.35	0.000
46.83	0.000	47.36	0.000
46.84	0.000	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000	47.67	0.000
47.15	0.000	47.68	0.000
47.16	0.000	47.69	0.000
47.17	0.000	47.70	0.000
47.18	0.000	47.71	0.000
47.19	0.000	47.72	0.000
47.20	0.000	47.73	0.000
47.21	0.000	47.74	0.000
47.22	0.000	47.75	0.000
47.23	0.000	47.76	0.000
47.24	0.000	47.77	0.000
47.25	0.000	47.78	0.000
47.26	0.000	47.79	0.000
47.27	0.000	47.80	0.000
47.28	0.000	47.81	0.000
47.29	0.000		
47.30	0.000		
47.31	0.000		
47.32	0.000		
47.33	0.000		

Summary for Pond 195P: Constructed Wetland 4

Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 3.73 cfs @ 12.26 hrs, Volume= 0.452 af
Outflow = 3.36 cfs @ 12.56 hrs, Volume= 0.319 af, Atten= 10%, Lag= 18.1 min
Primary = 3.36 cfs @ 12.56 hrs, Volume= 0.319 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.49' @ 12.56 hrs Surf.Area= 3,342 sf Storage= 7,746 cf

Plug-Flow detention time= 106.1 min calculated for 0.319 af (71% of inflow)
Center-of-Mass det. time= 59.5 min (844.7 - 785.2)

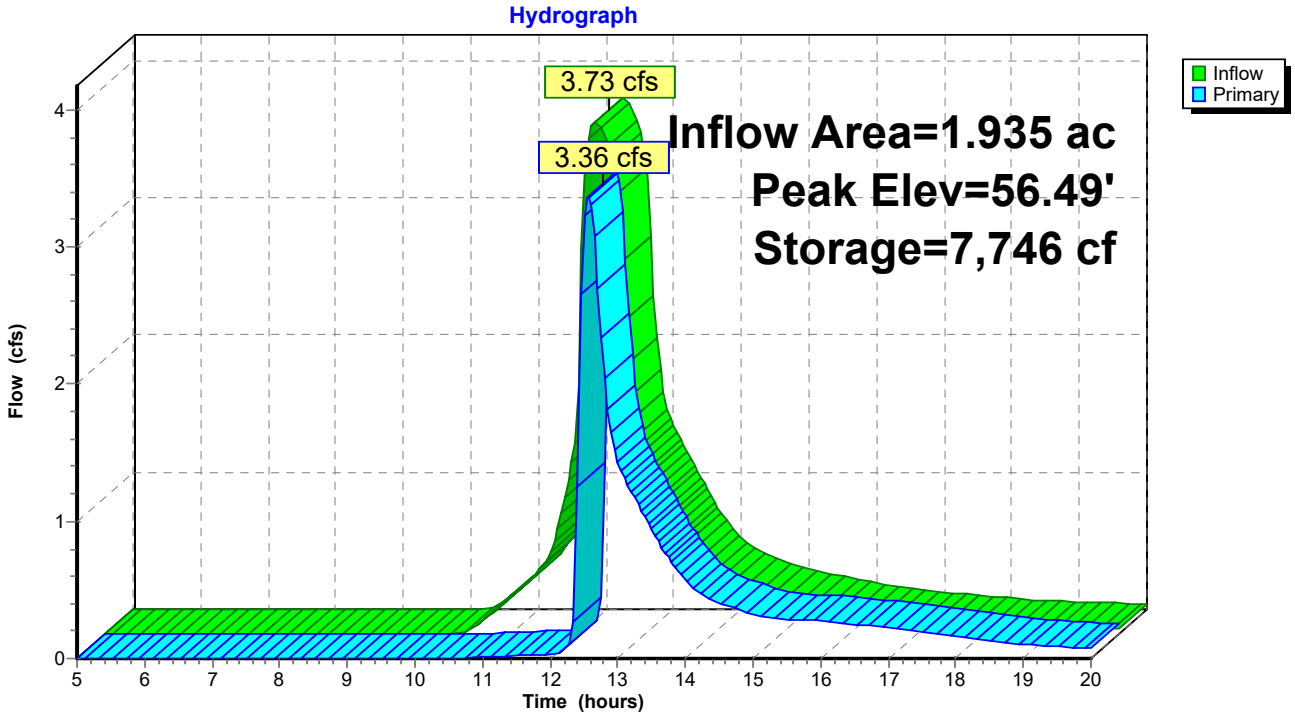
Volume	Invert	Avail.Storage	Storage Description
#1	53.00'	9,558 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
53.00	1,225	0	0
54.00	1,749	1,487	1,487
55.00	2,345	2,047	3,534
56.00	2,998	2,672	6,206
57.00	3,707	3,353	9,558

Device	Routing	Invert	Outlet Devices
#1	Primary	53.00'	**18.0" Round Culvert** L= 50.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.00' / 52.00' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	53.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.25'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	55.75'	**4.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=3.35 cfs @ 12.56 hrs HW=56.48' (Free Discharge)
└**1=Culvert** (Passes 3.35 cfs of 11.11 cfs potential flow)
├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 8.93 fps)
├**3=Orifice/Grate** (Weir Controls 2.98 cfs @ 1.59 fps)
└**4=Orifice/Grate** (Orifice Controls 0.32 cfs @ 3.63 fps)

Pond 195P: Constructed Wetland 4



Stage-Area-Storage for Pond 195P: Constructed Wetland 4

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
53.00	1,225	0
53.05	1,251	62
53.10	1,277	125
53.15	1,304	190
53.20	1,330	255
53.25	1,356	323
53.30	1,382	391
53.35	1,408	461
53.40	1,435	532
53.45	1,461	604
53.50	1,487	678
53.55	1,513	753
53.60	1,539	829
53.65	1,566	907
53.70	1,592	986
53.75	1,618	1,066
53.80	1,644	1,148
53.85	1,670	1,231
53.90	1,697	1,315
53.95	1,723	1,400
54.00	1,749	1,487
54.05	1,779	1,575
54.10	1,809	1,665
54.15	1,838	1,756
54.20	1,868	1,849
54.25	1,898	1,943
54.30	1,928	2,039
54.35	1,958	2,136
54.40	1,987	2,234
54.45	2,017	2,334
54.50	2,047	2,436
54.55	2,077	2,539
54.60	2,107	2,644
54.65	2,136	2,750
54.70	2,166	2,857
54.75	2,196	2,966
54.80	2,226	3,077
54.85	2,256	3,189
54.90	2,285	3,302
54.95	2,315	3,417
55.00	2,345	3,534
55.05	2,378	3,652
55.10	2,410	3,772
55.15	2,443	3,893
55.20	2,476	4,016
55.25	2,508	4,141
55.30	2,541	4,267
55.35	2,574	4,395
55.40	2,606	4,524
55.45	2,639	4,655
55.50	2,672	4,788
55.55	2,704	4,923
55.60	2,737	5,059
55.65	2,769	5,196
55.70	2,802	5,335
55.75	2,835	5,476
55.80	2,867	5,619
55.85	2,900	5,763
55.90	2,933	5,909
55.95	2,965	6,056
56.00	2,998	6,206
56.05	3,033	6,356
56.10	3,069	6,509
56.15	3,104	6,663
56.20	3,140	6,819
56.25	3,175	6,977
56.30	3,211	7,137
56.35	3,246	7,298
56.40	3,282	7,461
56.45	3,317	7,626
56.50	3,353	7,793
56.55	3,388	7,962
56.60	3,423	8,132
56.65	3,459	8,304
56.70	3,494	8,478
56.75	3,530	8,653
56.80	3,565	8,831
56.85	3,601	9,010
56.90	3,636	9,191
56.95	3,672	9,374
57.00	**3,707**	**9,558**

Summary for Pond 196P: CB 5

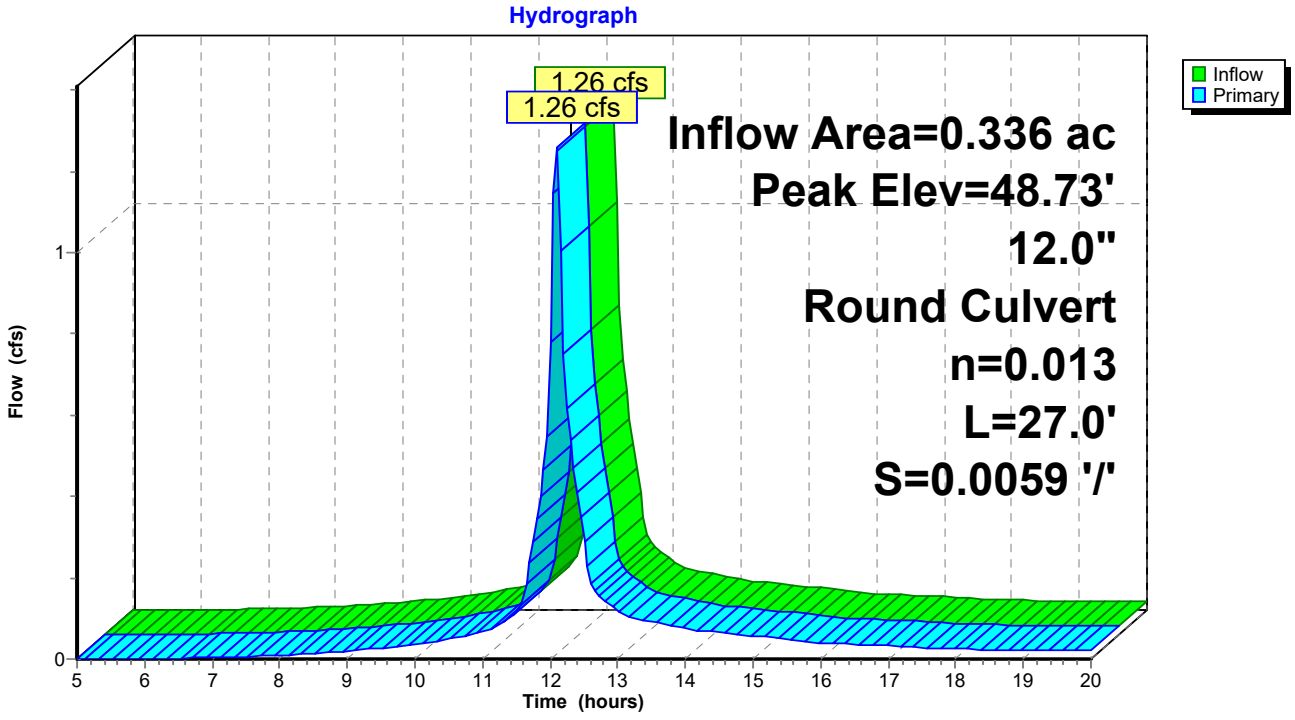
Inflow Area = 0.336 ac, 80.22% Impervious, Inflow Depth > 3.11" for 10-Year event
Inflow = 1.26 cfs @ 12.09 hrs, Volume= 0.087 af
Outflow = 1.26 cfs @ 12.09 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.0 min
Primary = 1.26 cfs @ 12.09 hrs, Volume= 0.087 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.73' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.84' S= 0.0059 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.23 cfs @ 12.09 hrs HW=48.72' (Free Discharge)
1=Culvert (Barrel Controls 1.23 cfs @ 2.85 fps)

Pond 196P: CB 5



Stage-Area-Storage for Pond 196P: CB 5

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 197P: Inf. Basin 1

Inflow Area = 8.503 ac, 57.81% Impervious, Inflow Depth > 0.70" for 10-Year event
Inflow = 6.24 cfs @ 12.10 hrs, Volume= 0.497 af
Outflow = 1.83 cfs @ 12.54 hrs, Volume= 0.496 af, Atten= 71%, Lag= 26.2 min
Discarded = 1.83 cfs @ 12.54 hrs, Volume= 0.496 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.51' @ 12.54 hrs Surf.Area= 6,019 sf Storage= 5,423 cf

Plug-Flow detention time= 24.2 min calculated for 0.496 af (100% of inflow)
Center-of-Mass det. time= 23.6 min (828.7 - 805.2)

Volume	Invert	Avail.Storage	Storage Description
#1	46.50'	34,549 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

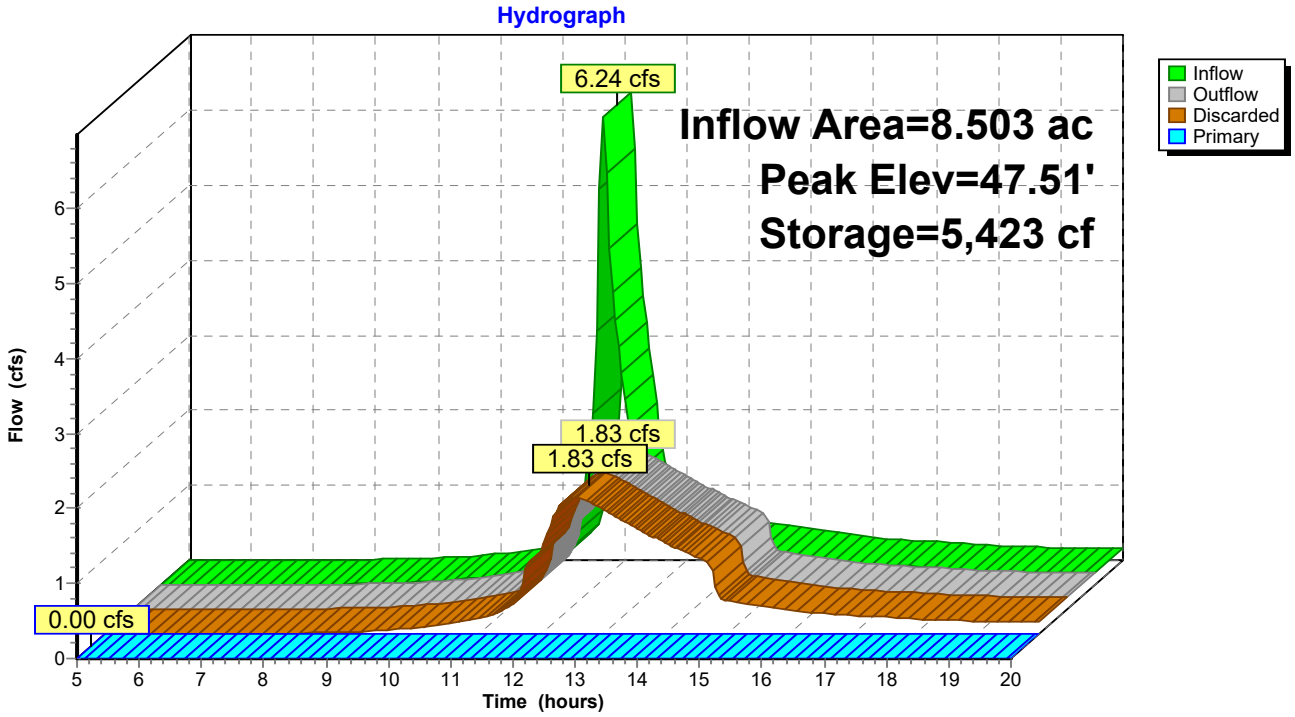
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
46.50	4,770	0	0
47.00	5,380	2,538	2,538
48.00	6,642	6,011	8,549
49.00	7,960	7,301	15,850
50.00	9,336	8,648	24,498
51.00	10,767	10,052	34,549

Device	Routing	Invert	Outlet Devices
#1	Discarded	46.50'	**8.270 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 45.00'
#2	Primary	47.00'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.00' / 43.50' S= 0.1400 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	48.00'	**6.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	50.50'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=1.83 cfs @ 12.54 hrs HW=47.51' (Free Discharge)
└**1=Exfiltration** (Controls 1.83 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=46.50' (Free Discharge)
└**2=Culvert** (Controls 0.00 cfs)
  ├**3=Orifice/Grate** (Controls 0.00 cfs)
  └**4=Orifice/Grate** (Controls 0.00 cfs)

Pond 197P: Inf. Basin 1



Stage-Area-Storage for Pond 197P: Inf. Basin 1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
46.50	4,770	0
46.55	4,831	240
46.60	4,892	483
46.65	4,953	729
46.70	5,014	978
46.75	5,075	1,231
46.80	5,136	1,486
46.85	5,197	1,744
46.90	5,258	2,006
46.95	5,319	2,270
47.00	5,380	2,538
47.05	5,443	2,808
47.10	5,506	3,082
47.15	5,569	3,359
47.20	5,632	3,639
47.25	5,696	3,922
47.30	5,759	4,208
47.35	5,822	4,498
47.40	5,885	4,790
47.45	5,948	5,086
47.50	6,011	5,385
47.55	6,074	5,687
47.60	6,137	5,993
47.65	6,200	6,301
47.70	6,263	6,613
47.75	6,327	6,927
47.80	6,390	7,245
47.85	6,453	7,566
47.90	6,516	7,891
47.95	6,579	8,218
48.00	6,642	8,549
48.05	6,708	8,882
48.10	6,774	9,219
48.15	6,840	9,560
48.20	6,906	9,903
48.25	6,972	10,250
48.30	7,037	10,600
48.35	7,103	10,954
48.40	7,169	11,311
48.45	7,235	11,671
48.50	7,301	12,034
48.55	7,367	12,401
48.60	7,433	12,771
48.65	7,499	13,144
48.70	7,565	13,521
48.75	7,631	13,901
48.80	7,696	14,284
48.85	7,762	14,670
48.90	7,828	15,060
48.95	7,894	15,453
49.00	7,960	15,850
49.05	8,029	16,249
49.10	8,098	16,652
49.15	8,166	17,059
49.20	8,235	17,469
49.25	8,304	17,883
49.30	8,373	18,299
49.35	8,442	18,720
49.40	8,510	19,144
49.45	8,579	19,571
49.50	8,648	20,002
49.55	8,717	20,436
49.60	8,786	20,873
49.65	8,854	21,314
49.70	8,923	21,759
49.75	8,992	22,207
49.80	9,061	22,658
49.85	9,130	23,113
49.90	9,198	23,571
49.95	9,267	24,032
50.00	9,336	24,498
50.05	9,408	24,966
50.10	9,479	25,438
50.15	9,551	25,914
50.20	9,622	26,393
50.25	9,694	26,876
50.30	9,765	27,363
50.35	9,837	27,853
50.40	9,908	28,346
50.45	9,980	28,844
50.50	10,052	29,344
50.55	10,123	29,849
50.60	10,195	30,357
50.65	10,266	30,868
50.70	10,338	31,383
50.75	10,409	31,902
50.80	10,481	32,424
50.85	10,552	32,950
50.90	10,624	33,479
50.95	10,695	34,012
51.00	**10,767**	**34,549**

Summary for Pond 198P: Sub. Inf. 2

Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 5.72 cfs @ 12.09 hrs, Volume= 0.391 af
Outflow = 3.30 cfs @ 12.22 hrs, Volume= 0.391 af, Atten= 42%, Lag= 7.6 min
Discarded = 3.30 cfs @ 12.22 hrs, Volume= 0.391 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 202P : DMH 14

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.71' @ 12.22 hrs Surf.Area= 0.096 ac Storage= 0.036 af

Plug-Flow detention time= 2.5 min calculated for 0.389 af (100% of inflow)
Center-of-Mass det. time= 2.4 min (785.4 - 783.0)

Volume	Invert	Avail.Storage	Storage Description
#1A	51.00'	0.086 af	**30.00'W x 138.90'L x 3.50'H Field A** 0.335 af Overall - 0.121 af Embedded = 0.214 af x 40.0% Voids
#2A	51.50'	0.121 af	**ADS_StormTech SC-740 b +Cap** x 114 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 114 Chambers in 6 Rows Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf
		0.206 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	51.00'	**20.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 50.00'
#2	Primary	52.75'	**18.0" Round Culvert** L= 10.0' RCP, groove end projecting, Ke= 0.200 Inlet / Outlet Invert= 52.75' / 52.65' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Discarded OutFlow Max=3.29 cfs @ 12.22 hrs HW=51.71' (Free Discharge)
↑**1=Exfiltration** (Controls 3.29 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=51.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 198P: Sub. Inf. 2 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

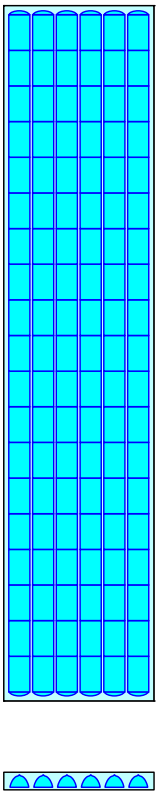
19 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 136.90' Row Length +12.0" End Stone x 2 = 138.90' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

114 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 5,269.0 cf Chamber Storage

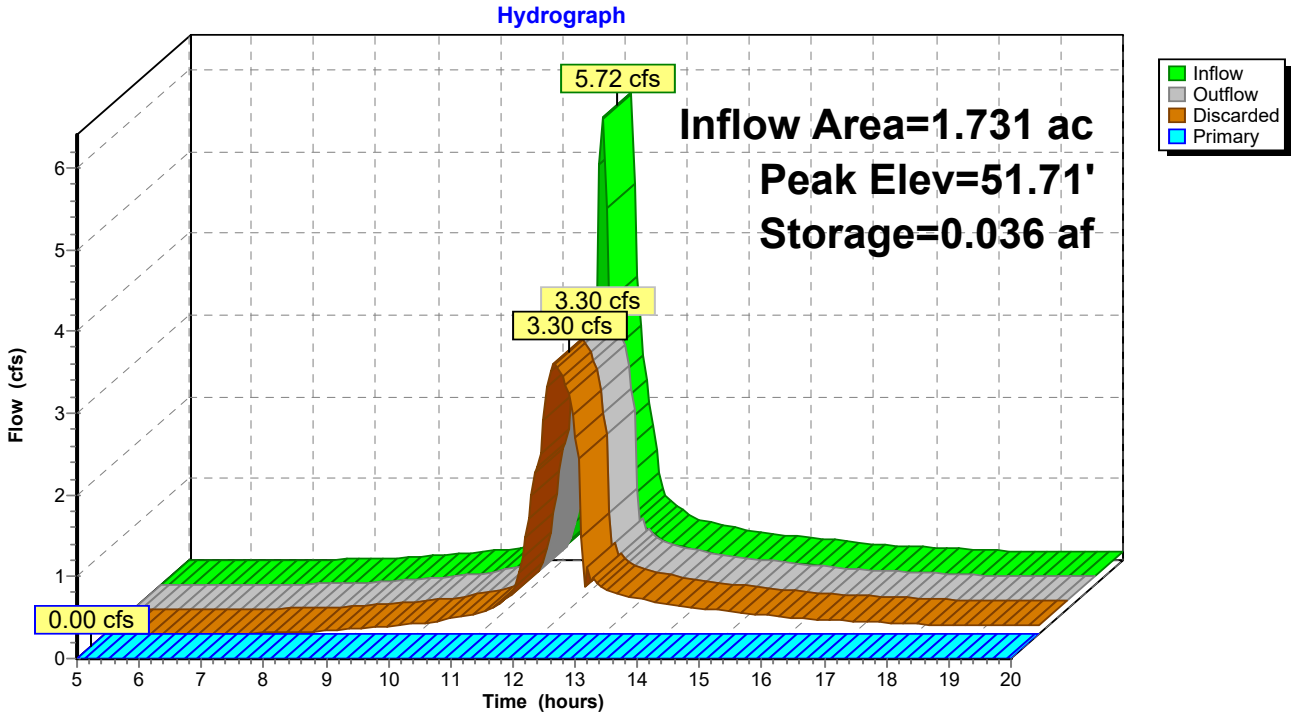
14,584.2 cf Field - 5,269.0 cf Chambers = 9,315.1 cf Stone x 40.0% Voids = 3,726.1 cf Stone Storage

Chamber Storage + Stone Storage = 8,995.1 cf = 0.206 af
Overall Storage Efficiency = 61.7%
Overall System Size = 138.90' x 30.00' x 3.50'

114 Chambers
540.2 cy Field
345.0 cy Stone



Pond 198P: Sub. Inf. 2



Stage-Area-Storage for Pond 198P: Sub. Inf. 2

Elevation (feet)	Surface (acres)	Storage (acre-feet)
51.00	**0.096**	0.000
51.05	0.096	0.002
51.10	0.096	0.004
51.15	0.096	0.006
51.20	0.096	0.008
51.25	0.096	0.010
51.30	0.096	0.011
51.35	0.096	0.013
51.40	0.096	0.015
51.45	0.096	0.017
51.50	0.096	0.019
51.55	0.096	0.023
51.60	0.096	0.027
51.65	0.096	0.031
51.70	0.096	0.035
51.75	0.096	0.039
51.80	0.096	0.043
51.85	0.096	0.047
51.90	0.096	0.051
51.95	0.096	0.055
52.00	0.096	0.059
52.05	0.096	0.063
52.10	0.096	0.067
52.15	0.096	0.070
52.20	0.096	0.074
52.25	0.096	0.078
52.30	0.096	0.082
52.35	0.096	0.086
52.40	0.096	0.089
52.45	0.096	0.093
52.50	0.096	0.097
52.55	0.096	0.100
52.60	0.096	0.104
52.65	0.096	0.108
52.70	0.096	0.111
52.75	0.096	0.115
52.80	0.096	0.118
52.85	0.096	0.122
52.90	0.096	0.125
52.95	0.096	0.129
53.00	0.096	0.132
53.05	0.096	0.136
53.10	0.096	0.139
53.15	0.096	0.142
53.20	0.096	0.145
53.25	0.096	0.149
53.30	0.096	0.152
53.35	0.096	0.155
53.40	0.096	0.158
53.45	0.096	0.161
53.50	0.096	0.164
53.55	0.096	0.167
53.60	0.096	0.169
53.65	0.096	0.172
53.70	0.096	0.175
53.75	0.096	0.177
53.80	0.096	0.179
53.85	0.096	0.181
53.90	0.096	0.183
53.95	0.096	0.185
54.00	0.096	0.187
54.05	0.096	0.189
54.10	0.096	0.191
54.15	0.096	0.193
54.20	0.096	0.195
54.25	0.096	0.197
54.30	0.096	0.199
54.35	0.096	0.201
54.40	0.096	0.203
54.45	0.096	0.205
54.50	0.096	**0.206**

Summary for Pond 200P: DMH 1

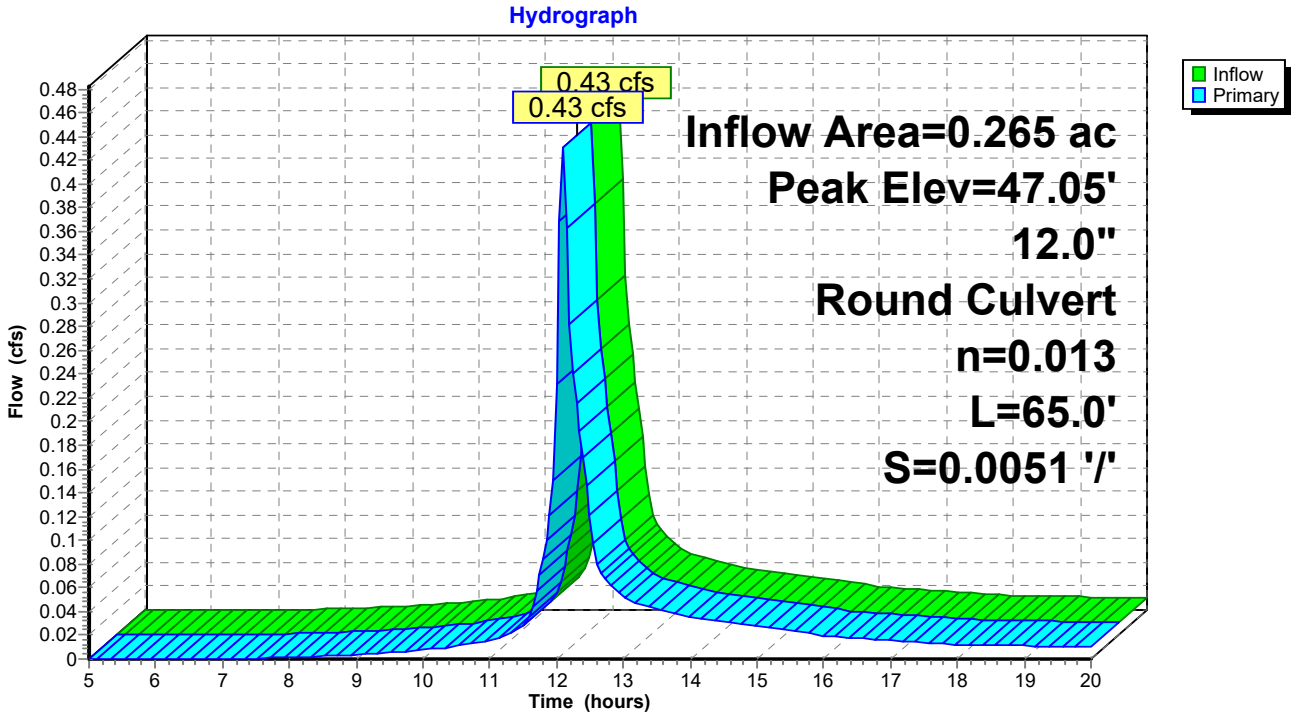
Inflow Area = 0.265 ac, 46.75% Impervious, Inflow Depth > 1.45" for 10-Year event
Inflow = 0.43 cfs @ 12.10 hrs, Volume= 0.032 af
Outflow = 0.43 cfs @ 12.10 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.10 hrs, Volume= 0.032 af
Routed to Pond 213P : DMH 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.05' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.66'	**12.0" Round Culvert** L= 65.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.66' / 46.33' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.10 hrs HW=47.05' (Free Discharge)
1=Culvert (Barrel Controls 0.43 cfs @ 2.26 fps)

Pond 200P: DMH 1



Stage-Area-Storage for Pond 200P: DMH 1

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.66	**0.000**	47.19	0.000
46.67	0.000	47.20	0.000
46.68	0.000	47.21	0.000
46.69	0.000	47.22	0.000
46.70	0.000	47.23	0.000
46.71	0.000	47.24	0.000
46.72	0.000	47.25	0.000
46.73	0.000	47.26	0.000
46.74	0.000	47.27	0.000
46.75	0.000	47.28	0.000
46.76	0.000	47.29	0.000
46.77	0.000	47.30	0.000
46.78	0.000	47.31	0.000
46.79	0.000	47.32	0.000
46.80	0.000	47.33	0.000
46.81	0.000	47.34	0.000
46.82	0.000	47.35	0.000
46.83	0.000	47.36	0.000
46.84	0.000	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000		
47.15	0.000		
47.16	0.000		
47.17	0.000		
47.18	0.000		

Summary for Pond 201P: Sub. Inf. 3

Inflow Area = 1.343 ac, 61.65% Impervious, Inflow Depth > 2.22" for 10-Year event
Inflow = 3.61 cfs @ 12.09 hrs, Volume= 0.248 af
Outflow = 1.59 cfs @ 12.32 hrs, Volume= 0.248 af, Atten= 56%, Lag= 13.4 min
Discarded = 1.59 cfs @ 12.32 hrs, Volume= 0.248 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 202P : DMH 14

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.82' @ 12.32 hrs Surf.Area= 0.079 ac Storage= 0.037 af

Plug-Flow detention time= 6.0 min calculated for 0.248 af (100% of inflow)
Center-of-Mass det. time= 5.9 min (797.4 - 791.5)

Volume	Invert	Avail.Storage	Storage Description
#1A	52.00'	0.071 af	**20.50'W x 167.38'L x 3.50'H Field A** 0.276 af Overall - 0.098 af Embedded = 0.178 af x 40.0% Voids
#2A	52.50'	0.098 af	**ADS_StormTech SC-740 b +Cap** x 92 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 92 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.169 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	52.00'	**11.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 51.00'
#2	Primary	54.00'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 53.65' S= 0.0175 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=1.59 cfs @ 12.32 hrs HW=52.82' (Free Discharge)
↑**1=Exfiltration** (Controls 1.59 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=52.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 201P: Sub. Inf. 3 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

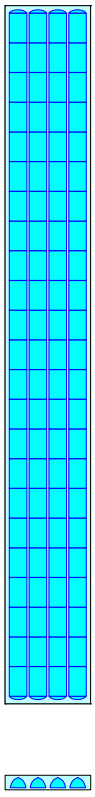
23 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 165.38' Row Length +12.0" End Stone x 2 = 167.38' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

92 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 4,247.7 cf Chamber Storage

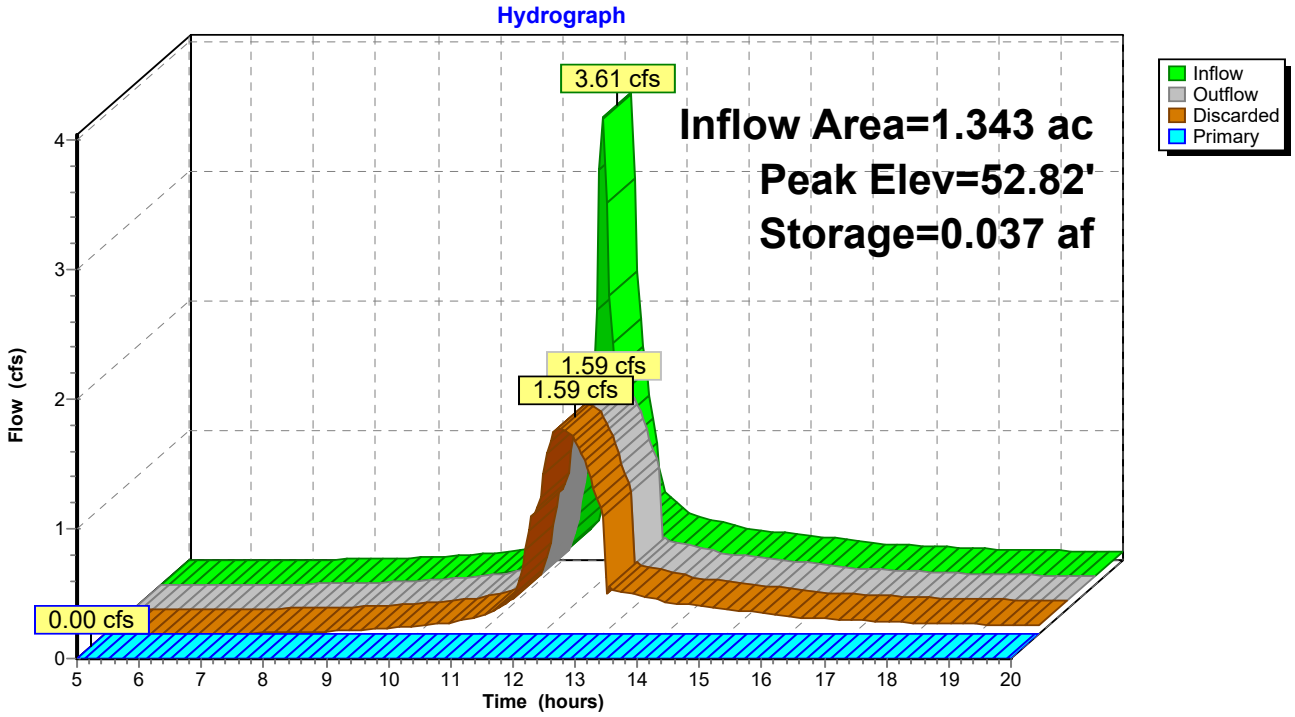
12,009.3 cf Field - 4,247.7 cf Chambers = 7,761.6 cf Stone x 40.0% Voids = 3,104.6 cf Stone Storage

Chamber Storage + Stone Storage = 7,352.3 cf = 0.169 af
Overall Storage Efficiency = 61.2%
Overall System Size = 167.38' x 20.50' x 3.50'

92 Chambers
444.8 cy Field
287.5 cy Stone



Pond 201P: Sub. Inf. 3



Stage-Area-Storage for Pond 201P: Sub. Inf. 3

Elevation (feet)	Surface (acres)	Storage (acre-feet)
52.00	**0.079**	0.000
52.05	0.079	0.002
52.10	0.079	0.003
52.15	0.079	0.005
52.20	0.079	0.006
52.25	0.079	0.008
52.30	0.079	0.009
52.35	0.079	0.011
52.40	0.079	0.013
52.45	0.079	0.014
52.50	0.079	0.016
52.55	0.079	0.019
52.60	0.079	0.022
52.65	0.079	0.026
52.70	0.079	0.029
52.75	0.079	0.032
52.80	0.079	0.035
52.85	0.079	0.038
52.90	0.079	0.042
52.95	0.079	0.045
53.00	0.079	0.048
53.05	0.079	0.051
53.10	0.079	0.054
53.15	0.079	0.057
53.20	0.079	0.061
53.25	0.079	0.064
53.30	0.079	0.067
53.35	0.079	0.070
53.40	0.079	0.073
53.45	0.079	0.076
53.50	0.079	0.079
53.55	0.079	0.082
53.60	0.079	0.085
53.65	0.079	0.088
53.70	0.079	0.091
53.75	0.079	0.094
53.80	0.079	0.097
53.85	0.079	0.099
53.90	0.079	0.102
53.95	0.079	0.105
54.00	0.079	0.108
54.05	0.079	0.111
54.10	0.079	0.113
54.15	0.079	0.116
54.20	0.079	0.119
54.25	0.079	0.121
54.30	0.079	0.124
54.35	0.079	0.126
54.40	0.079	0.129
54.45	0.079	0.131
54.50	0.079	0.134
54.55	0.079	0.136
54.60	0.079	0.138
54.65	0.079	0.140
54.70	0.079	0.142
54.75	0.079	0.144
54.80	0.079	0.146
54.85	0.079	0.148
54.90	0.079	0.150
54.95	0.079	0.151
55.00	0.079	0.153
55.05	0.079	0.155
55.10	0.079	0.156
55.15	0.079	0.158
55.20	0.079	0.159
55.25	0.079	0.161
55.30	0.079	0.162
55.35	0.079	0.164
55.40	0.079	0.166
55.45	0.079	0.167
55.50	0.079	**0.169**

Summary for Pond 202P: DMH 14

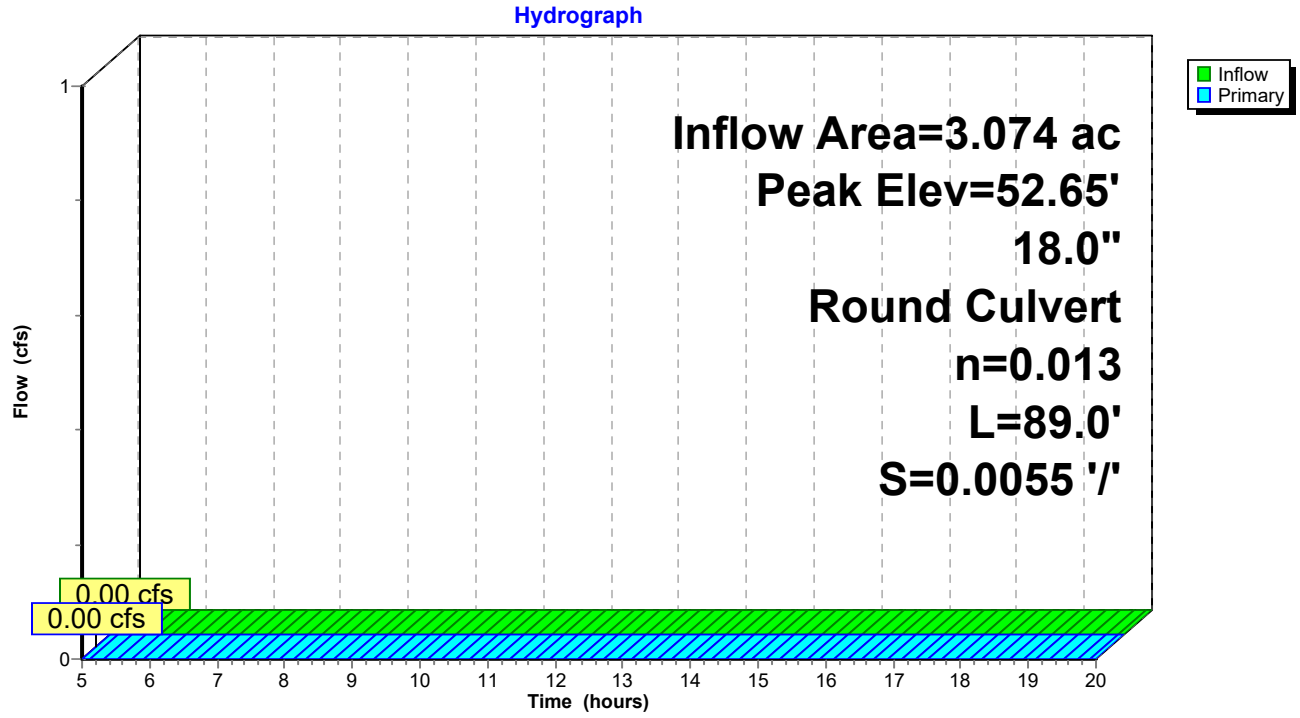
Inflow Area = 3.074 ac, 67.24% Impervious, Inflow Depth = 0.00" for 10-Year event
Inflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.65' @ 5.00 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.65'	**18.0" Round Culvert** L= 89.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.65' / 52.16' S= 0.0055 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=52.65' (Free Discharge)
1=Culvert (Controls 0.00 cfs)

Pond 202P: DMH 14



Stage-Area-Storage for Pond 202P: DMH 14

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.65	**0.000**	53.18	0.000	53.71	0.000
52.66	0.000	53.19	0.000	53.72	0.000
52.67	0.000	53.20	0.000	53.73	0.000
52.68	0.000	53.21	0.000	53.74	0.000
52.69	0.000	53.22	0.000	53.75	0.000
52.70	0.000	53.23	0.000	53.76	0.000
52.71	0.000	53.24	0.000	53.77	0.000
52.72	0.000	53.25	0.000	53.78	0.000
52.73	0.000	53.26	0.000	53.79	0.000
52.74	0.000	53.27	0.000	53.80	0.000
52.75	0.000	53.28	0.000	53.81	0.000
52.76	0.000	53.29	0.000	53.82	0.000
52.77	0.000	53.30	0.000	53.83	0.000
52.78	0.000	53.31	0.000	53.84	0.000
52.79	0.000	53.32	0.000	53.85	0.000
52.80	0.000	53.33	0.000	53.86	0.000
52.81	0.000	53.34	0.000	53.87	0.000
52.82	0.000	53.35	0.000	53.88	0.000
52.83	0.000	53.36	0.000	53.89	0.000
52.84	0.000	53.37	0.000	53.90	0.000
52.85	0.000	53.38	0.000	53.91	0.000
52.86	0.000	53.39	0.000	53.92	0.000
52.87	0.000	53.40	0.000	53.93	0.000
52.88	0.000	53.41	0.000	53.94	0.000
52.89	0.000	53.42	0.000	53.95	0.000
52.90	0.000	53.43	0.000	53.96	0.000
52.91	0.000	53.44	0.000	53.97	0.000
52.92	0.000	53.45	0.000	53.98	0.000
52.93	0.000	53.46	0.000	53.99	0.000
52.94	0.000	53.47	0.000	54.00	0.000
52.95	0.000	53.48	0.000	54.01	0.000
52.96	0.000	53.49	0.000	54.02	0.000
52.97	0.000	53.50	0.000	54.03	0.000
52.98	0.000	53.51	0.000	54.04	0.000
52.99	0.000	53.52	0.000	54.05	0.000
53.00	0.000	53.53	0.000	54.06	0.000
53.01	0.000	53.54	0.000	54.07	0.000
53.02	0.000	53.55	0.000	54.08	0.000
53.03	0.000	53.56	0.000	54.09	0.000
53.04	0.000	53.57	0.000	54.10	0.000
53.05	0.000	53.58	0.000	54.11	0.000
53.06	0.000	53.59	0.000	54.12	0.000
53.07	0.000	53.60	0.000	54.13	0.000
53.08	0.000	53.61	0.000	54.14	0.000
53.09	0.000	53.62	0.000	54.15	0.000
53.10	0.000	53.63	0.000		
53.11	0.000	53.64	0.000		
53.12	0.000	53.65	0.000		
53.13	0.000	53.66	0.000		
53.14	0.000	53.67	0.000		
53.15	0.000	53.68	0.000		
53.16	0.000	53.69	0.000		
53.17	0.000	53.70	0.000		

Summary for Pond 204P: DMH 18

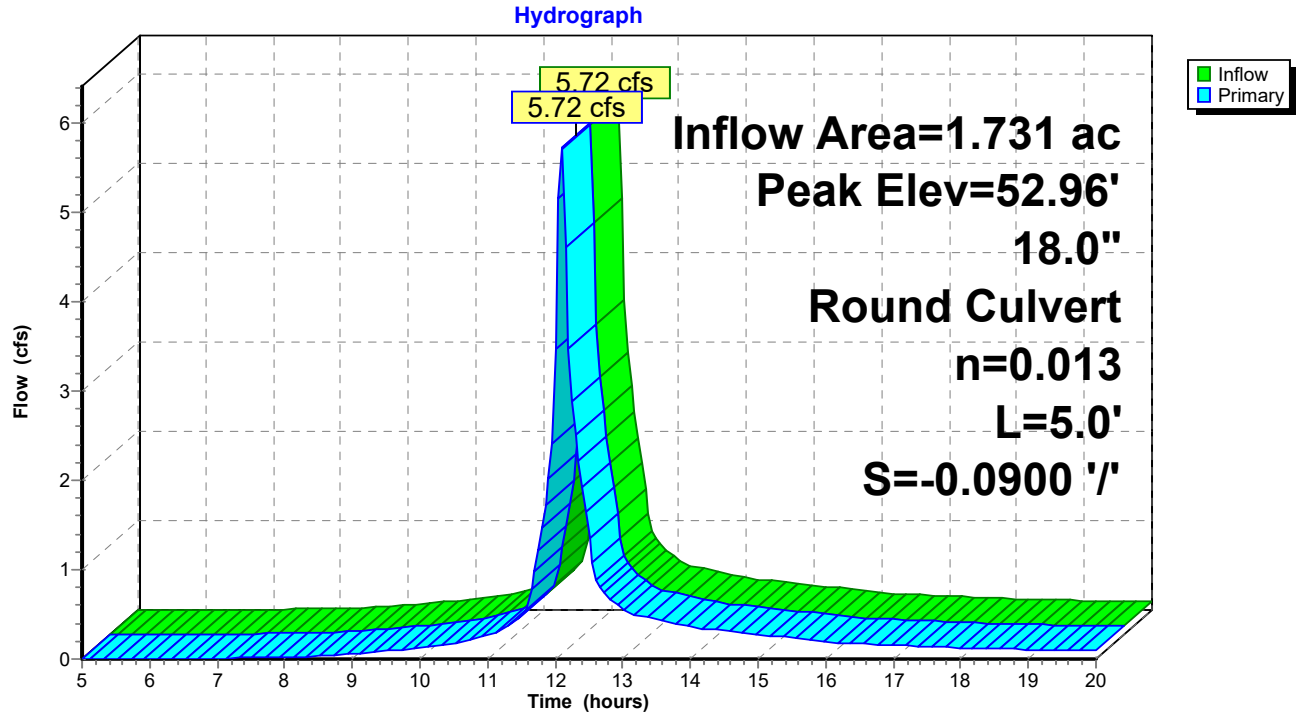
Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 5.72 cfs @ 12.09 hrs, Volume= 0.391 af
Outflow = 5.72 cfs @ 12.09 hrs, Volume= 0.391 af, Atten= 0%, Lag= 0.0 min
Primary = 5.72 cfs @ 12.09 hrs, Volume= 0.391 af
Routed to Pond 198P : Sub. Inf. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.50'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 51.50' S= -0.0900 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.62 cfs @ 12.09 hrs HW=52.94' (Free Discharge)
1=Culvert (Inlet Controls 5.62 cfs @ 3.22 fps)

Pond 204P: DMH 18



Stage-Area-Storage for Pond 204P: DMH 18

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.50	**0.000**	52.03	0.000	52.56	0.000
51.51	0.000	52.04	0.000	52.57	0.000
51.52	0.000	52.05	0.000	52.58	0.000
51.53	0.000	52.06	0.000	52.59	0.000
51.54	0.000	52.07	0.000	52.60	0.000
51.55	0.000	52.08	0.000	52.61	0.000
51.56	0.000	52.09	0.000	52.62	0.000
51.57	0.000	52.10	0.000	52.63	0.000
51.58	0.000	52.11	0.000	52.64	0.000
51.59	0.000	52.12	0.000	52.65	0.000
51.60	0.000	52.13	0.000	52.66	0.000
51.61	0.000	52.14	0.000	52.67	0.000
51.62	0.000	52.15	0.000	52.68	0.000
51.63	0.000	52.16	0.000	52.69	0.000
51.64	0.000	52.17	0.000	52.70	0.000
51.65	0.000	52.18	0.000	52.71	0.000
51.66	0.000	52.19	0.000	52.72	0.000
51.67	0.000	52.20	0.000	52.73	0.000
51.68	0.000	52.21	0.000	52.74	0.000
51.69	0.000	52.22	0.000	52.75	0.000
51.70	0.000	52.23	0.000	52.76	0.000
51.71	0.000	52.24	0.000	52.77	0.000
51.72	0.000	52.25	0.000	52.78	0.000
51.73	0.000	52.26	0.000	52.79	0.000
51.74	0.000	52.27	0.000	52.80	0.000
51.75	0.000	52.28	0.000	52.81	0.000
51.76	0.000	52.29	0.000	52.82	0.000
51.77	0.000	52.30	0.000	52.83	0.000
51.78	0.000	52.31	0.000	52.84	0.000
51.79	0.000	52.32	0.000	52.85	0.000
51.80	0.000	52.33	0.000	52.86	0.000
51.81	0.000	52.34	0.000	52.87	0.000
51.82	0.000	52.35	0.000	52.88	0.000
51.83	0.000	52.36	0.000	52.89	0.000
51.84	0.000	52.37	0.000	52.90	0.000
51.85	0.000	52.38	0.000	52.91	0.000
51.86	0.000	52.39	0.000	52.92	0.000
51.87	0.000	52.40	0.000	52.93	0.000
51.88	0.000	52.41	0.000	52.94	0.000
51.89	0.000	52.42	0.000	52.95	0.000
51.90	0.000	52.43	0.000	52.96	0.000
51.91	0.000	52.44	0.000	52.97	0.000
51.92	0.000	52.45	0.000	52.98	0.000
51.93	0.000	52.46	0.000	52.99	0.000
51.94	0.000	52.47	0.000	53.00	0.000
51.95	0.000	52.48	0.000		
51.96	0.000	52.49	0.000		
51.97	0.000	52.50	0.000		
51.98	0.000	52.51	0.000		
51.99	0.000	52.52	0.000		
52.00	0.000	52.53	0.000		
52.01	0.000	52.54	0.000		
52.02	0.000	52.55	0.000		

Summary for Pond 205P: DMH 27

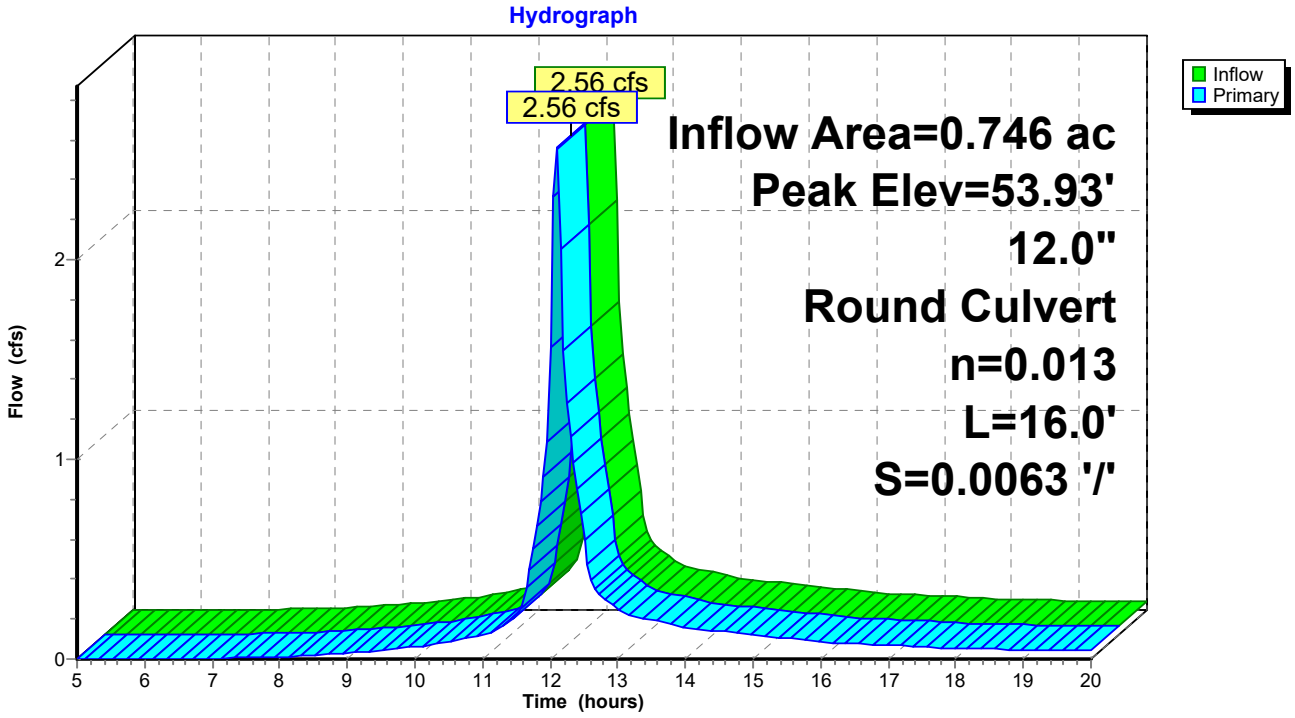
Inflow Area = 0.746 ac, 74.14% Impervious, Inflow Depth > 2.82" for 10-Year event
Inflow = 2.56 cfs @ 12.09 hrs, Volume= 0.175 af
Outflow = 2.56 cfs @ 12.09 hrs, Volume= 0.175 af, Atten= 0%, Lag= 0.0 min
Primary = 2.56 cfs @ 12.09 hrs, Volume= 0.175 af
Routed to Pond 201P : Sub. Inf. 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.93' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.70'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.70' / 52.60' S= 0.0063 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.51 cfs @ 12.09 hrs HW=53.91' (Free Discharge)
1=Culvert (Barrel Controls 2.51 cfs @ 3.36 fps)

Pond 205P: DMH 27



Stage-Area-Storage for Pond 205P: DMH 27

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.70	**0.000**	53.23	0.000	53.76	0.000
52.71	0.000	53.24	0.000	53.77	0.000
52.72	0.000	53.25	0.000	53.78	0.000
52.73	0.000	53.26	0.000	53.79	0.000
52.74	0.000	53.27	0.000	53.80	0.000
52.75	0.000	53.28	0.000	53.81	0.000
52.76	0.000	53.29	0.000	53.82	0.000
52.77	0.000	53.30	0.000	53.83	0.000
52.78	0.000	53.31	0.000	53.84	0.000
52.79	0.000	53.32	0.000	53.85	0.000
52.80	0.000	53.33	0.000	53.86	0.000
52.81	0.000	53.34	0.000	53.87	0.000
52.82	0.000	53.35	0.000	53.88	0.000
52.83	0.000	53.36	0.000	53.89	0.000
52.84	0.000	53.37	0.000	53.90	0.000
52.85	0.000	53.38	0.000	53.91	0.000
52.86	0.000	53.39	0.000	53.92	0.000
52.87	0.000	53.40	0.000	53.93	0.000
52.88	0.000	53.41	0.000		
52.89	0.000	53.42	0.000		
52.90	0.000	53.43	0.000		
52.91	0.000	53.44	0.000		
52.92	0.000	53.45	0.000		
52.93	0.000	53.46	0.000		
52.94	0.000	53.47	0.000		
52.95	0.000	53.48	0.000		
52.96	0.000	53.49	0.000		
52.97	0.000	53.50	0.000		
52.98	0.000	53.51	0.000		
52.99	0.000	53.52	0.000		
53.00	0.000	53.53	0.000		
53.01	0.000	53.54	0.000		
53.02	0.000	53.55	0.000		
53.03	0.000	53.56	0.000		
53.04	0.000	53.57	0.000		
53.05	0.000	53.58	0.000		
53.06	0.000	53.59	0.000		
53.07	0.000	53.60	0.000		
53.08	0.000	53.61	0.000		
53.09	0.000	53.62	0.000		
53.10	0.000	53.63	0.000		
53.11	0.000	53.64	0.000		
53.12	0.000	53.65	0.000		
53.13	0.000	53.66	0.000		
53.14	0.000	53.67	0.000		
53.15	0.000	53.68	0.000		
53.16	0.000	53.69	0.000		
53.17	0.000	53.70	0.000		
53.18	0.000	53.71	0.000		
53.19	0.000	53.72	0.000		
53.20	0.000	53.73	0.000		
53.21	0.000	53.74	0.000		
53.22	0.000	53.75	0.000		

Summary for Pond 206P: DMH 34

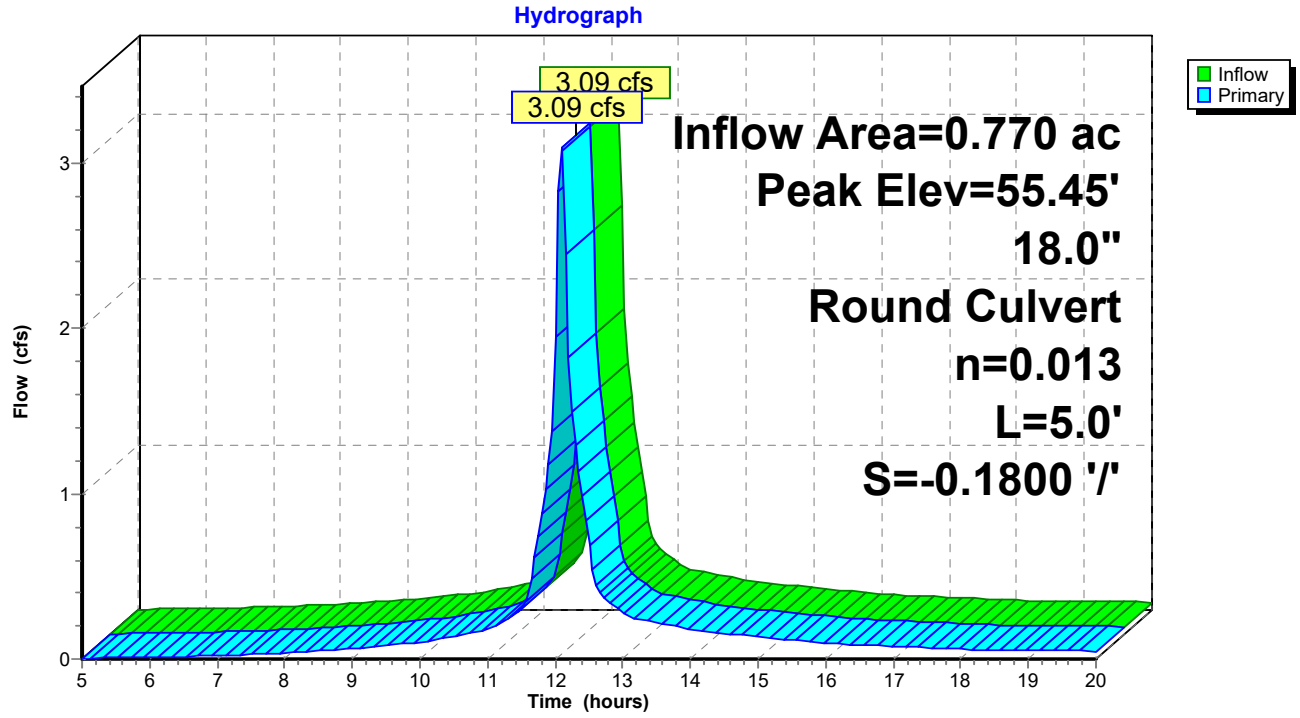
Inflow Area = 0.770 ac, 66.71% Impervious, Inflow Depth > 3.42" for 10-Year event
Inflow = 3.09 cfs @ 12.09 hrs, Volume= 0.219 af
Outflow = 3.09 cfs @ 12.09 hrs, Volume= 0.219 af, Atten= 0%, Lag= 0.0 min
Primary = 3.09 cfs @ 12.09 hrs, Volume= 0.219 af
Routed to Pond 49P : Sub. Inf. 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.45' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.50'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 54.50' S= -0.1800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.02 cfs @ 12.09 hrs HW=55.44' (Free Discharge)
1=Culvert (Inlet Controls 3.02 cfs @ 2.60 fps)

Pond 206P: DMH 34



Stage-Area-Storage for Pond 206P: DMH 34

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.50	**0.000**	55.03	0.000	55.56	0.000
54.51	0.000	55.04	0.000	55.57	0.000
54.52	0.000	55.05	0.000	55.58	0.000
54.53	0.000	55.06	0.000	55.59	0.000
54.54	0.000	55.07	0.000	55.60	0.000
54.55	0.000	55.08	0.000	55.61	0.000
54.56	0.000	55.09	0.000	55.62	0.000
54.57	0.000	55.10	0.000	55.63	0.000
54.58	0.000	55.11	0.000	55.64	0.000
54.59	0.000	55.12	0.000	55.65	0.000
54.60	0.000	55.13	0.000	55.66	0.000
54.61	0.000	55.14	0.000	55.67	0.000
54.62	0.000	55.15	0.000	55.68	0.000
54.63	0.000	55.16	0.000	55.69	0.000
54.64	0.000	55.17	0.000	55.70	0.000
54.65	0.000	55.18	0.000	55.71	0.000
54.66	0.000	55.19	0.000	55.72	0.000
54.67	0.000	55.20	0.000	55.73	0.000
54.68	0.000	55.21	0.000	55.74	0.000
54.69	0.000	55.22	0.000	55.75	0.000
54.70	0.000	55.23	0.000	55.76	0.000
54.71	0.000	55.24	0.000	55.77	0.000
54.72	0.000	55.25	0.000	55.78	0.000
54.73	0.000	55.26	0.000	55.79	0.000
54.74	0.000	55.27	0.000	55.80	0.000
54.75	0.000	55.28	0.000	55.81	0.000
54.76	0.000	55.29	0.000	55.82	0.000
54.77	0.000	55.30	0.000	55.83	0.000
54.78	0.000	55.31	0.000	55.84	0.000
54.79	0.000	55.32	0.000	55.85	0.000
54.80	0.000	55.33	0.000	55.86	0.000
54.81	0.000	55.34	0.000	55.87	0.000
54.82	0.000	55.35	0.000	55.88	0.000
54.83	0.000	55.36	0.000	55.89	0.000
54.84	0.000	55.37	0.000	55.90	0.000
54.85	0.000	55.38	0.000	55.91	0.000
54.86	0.000	55.39	0.000	55.92	0.000
54.87	0.000	55.40	0.000	55.93	0.000
54.88	0.000	55.41	0.000	55.94	0.000
54.89	0.000	55.42	0.000	55.95	0.000
54.90	0.000	55.43	0.000	55.96	0.000
54.91	0.000	55.44	0.000	55.97	0.000
54.92	0.000	55.45	0.000	55.98	0.000
54.93	0.000	55.46	0.000	55.99	0.000
54.94	0.000	55.47	0.000	56.00	0.000
54.95	0.000	55.48	0.000		
54.96	0.000	55.49	0.000		
54.97	0.000	55.50	0.000		
54.98	0.000	55.51	0.000		
54.99	0.000	55.52	0.000		
55.00	0.000	55.53	0.000		
55.01	0.000	55.54	0.000		
55.02	0.000	55.55	0.000		

Summary for Pond 207P: DMH 48

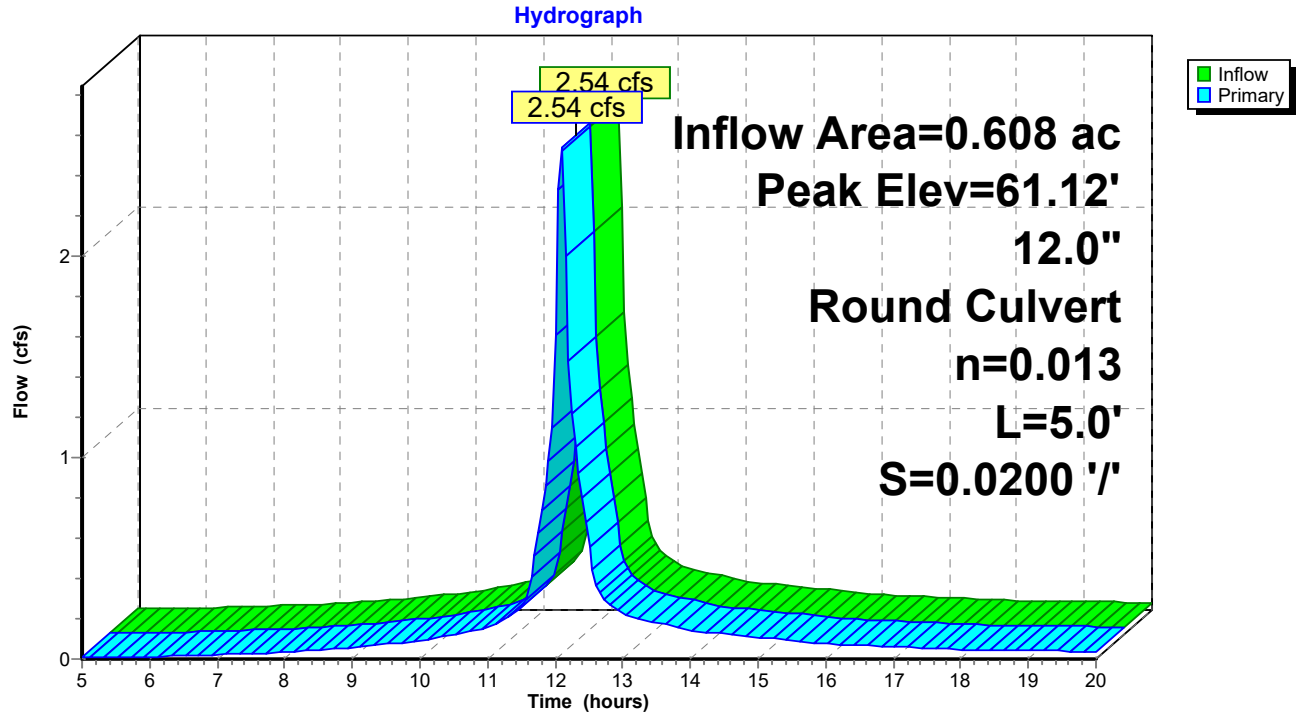
Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 3.58" for 10-Year event
Inflow = 2.54 cfs @ 12.09 hrs, Volume= 0.182 af
Outflow = 2.54 cfs @ 12.09 hrs, Volume= 0.182 af, Atten= 0%, Lag= 0.0 min
Primary = 2.54 cfs @ 12.09 hrs, Volume= 0.182 af
Routed to Pond 68P : Sub. Inf. 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.12' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.90'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.90' / 59.80' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.48 cfs @ 12.09 hrs HW=61.09' (Free Discharge)
1=Culvert (Inlet Controls 2.48 cfs @ 3.15 fps)

Pond 207P: DMH 48



Stage-Area-Storage for Pond 207P: DMH 48

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.90	**0.000**	60.43	0.000	60.96	0.000
59.91	0.000	60.44	0.000	60.97	0.000
59.92	0.000	60.45	0.000	60.98	0.000
59.93	0.000	60.46	0.000	60.99	0.000
59.94	0.000	60.47	0.000	61.00	0.000
59.95	0.000	60.48	0.000	61.01	0.000
59.96	0.000	60.49	0.000	61.02	0.000
59.97	0.000	60.50	0.000	61.03	0.000
59.98	0.000	60.51	0.000	61.04	0.000
59.99	0.000	60.52	0.000	61.05	0.000
60.00	0.000	60.53	0.000	61.06	0.000
60.01	0.000	60.54	0.000	61.07	0.000
60.02	0.000	60.55	0.000	61.08	0.000
60.03	0.000	60.56	0.000	61.09	0.000
60.04	0.000	60.57	0.000	61.10	0.000
60.05	0.000	60.58	0.000	61.11	0.000
60.06	0.000	60.59	0.000	61.12	0.000
60.07	0.000	60.60	0.000		
60.08	0.000	60.61	0.000		
60.09	0.000	60.62	0.000		
60.10	0.000	60.63	0.000		
60.11	0.000	60.64	0.000		
60.12	0.000	60.65	0.000		
60.13	0.000	60.66	0.000		
60.14	0.000	60.67	0.000		
60.15	0.000	60.68	0.000		
60.16	0.000	60.69	0.000		
60.17	0.000	60.70	0.000		
60.18	0.000	60.71	0.000		
60.19	0.000	60.72	0.000		
60.20	0.000	60.73	0.000		
60.21	0.000	60.74	0.000		
60.22	0.000	60.75	0.000		
60.23	0.000	60.76	0.000		
60.24	0.000	60.77	0.000		
60.25	0.000	60.78	0.000		
60.26	0.000	60.79	0.000		
60.27	0.000	60.80	0.000		
60.28	0.000	60.81	0.000		
60.29	0.000	60.82	0.000		
60.30	0.000	60.83	0.000		
60.31	0.000	60.84	0.000		
60.32	0.000	60.85	0.000		
60.33	0.000	60.86	0.000		
60.34	0.000	60.87	0.000		
60.35	0.000	60.88	0.000		
60.36	0.000	60.89	0.000		
60.37	0.000	60.90	0.000		
60.38	0.000	60.91	0.000		
60.39	0.000	60.92	0.000		
60.40	0.000	60.93	0.000		
60.41	0.000	60.94	0.000		
60.42	0.000	60.95	0.000		

Summary for Pond 208P: DMH 58

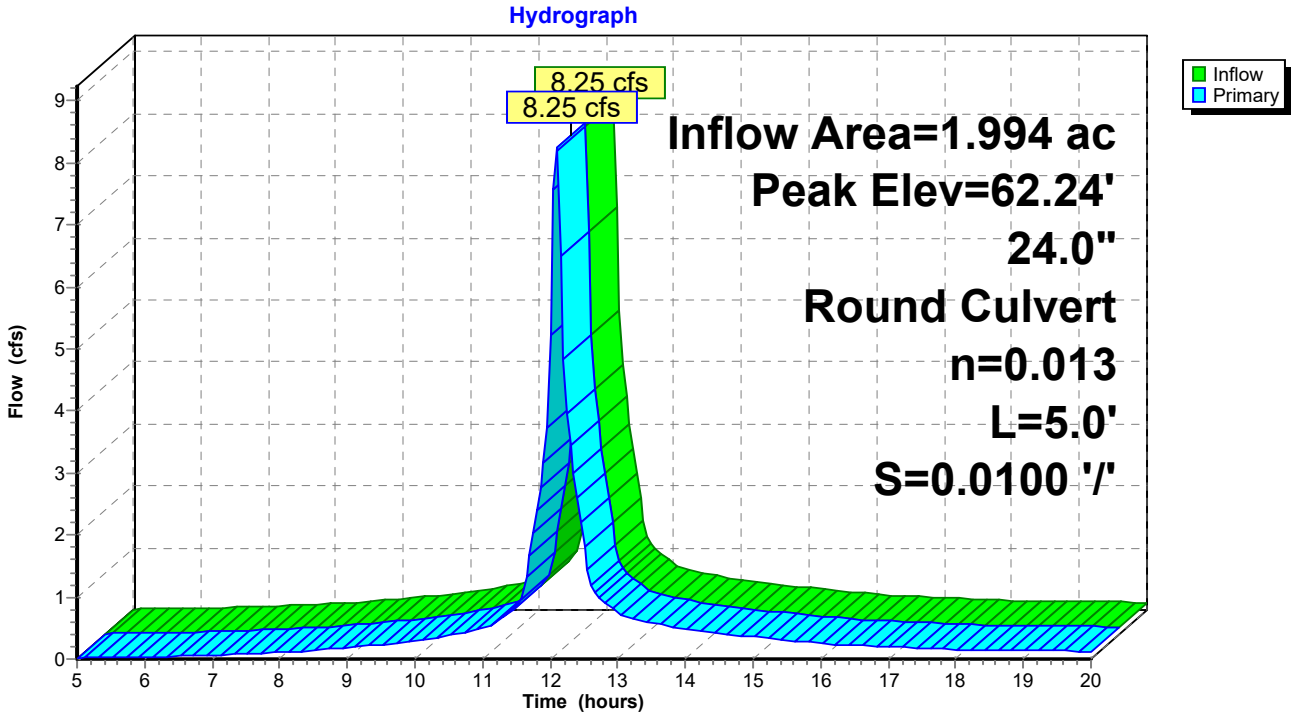
Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 3.54" for 10-Year event
Inflow = 8.25 cfs @ 12.09 hrs, Volume= 0.588 af
Outflow = 8.25 cfs @ 12.09 hrs, Volume= 0.588 af, Atten= 0%, Lag= 0.0 min
Primary = 8.25 cfs @ 12.09 hrs, Volume= 0.588 af
Routed to Pond 60P : Sub. Det. 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.24' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.55'	**24.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.55' / 60.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.04 cfs @ 12.09 hrs HW=62.21' (Free Discharge)
1=Culvert (Barrel Controls 8.04 cfs @ 3.91 fps)

Pond 208P: DMH 58



Stage-Area-Storage for Pond 208P: DMH 58

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.55	**0.000**	61.61	0.000
60.57	0.000	61.63	0.000
60.59	0.000	61.65	0.000
60.61	0.000	61.67	0.000
60.63	0.000	61.69	0.000
60.65	0.000	61.71	0.000
60.67	0.000	61.73	0.000
60.69	0.000	61.75	0.000
60.71	0.000	61.77	0.000
60.73	0.000	61.79	0.000
60.75	0.000	61.81	0.000
60.77	0.000	61.83	0.000
60.79	0.000	61.85	0.000
60.81	0.000	61.87	0.000
60.83	0.000	61.89	0.000
60.85	0.000	61.91	0.000
60.87	0.000	61.93	0.000
60.89	0.000	61.95	0.000
60.91	0.000	61.97	0.000
60.93	0.000	61.99	0.000
60.95	0.000	62.01	0.000
60.97	0.000	62.03	0.000
60.99	0.000	62.05	0.000
61.01	0.000	62.07	0.000
61.03	0.000	62.09	0.000
61.05	0.000	62.11	0.000
61.07	0.000	62.13	0.000
61.09	0.000	62.15	0.000
61.11	0.000	62.17	0.000
61.13	0.000	62.19	0.000
61.15	0.000	62.21	0.000
61.17	0.000	62.23	0.000
61.19	0.000	62.25	0.000
61.21	0.000	62.27	0.000
61.23	0.000	62.29	0.000
61.25	0.000	62.31	0.000
61.27	0.000	62.33	0.000
61.29	0.000	62.35	0.000
61.31	0.000	62.37	0.000
61.33	0.000	62.39	0.000
61.35	0.000	62.41	0.000
61.37	0.000	62.43	0.000
61.39	0.000	62.45	0.000
61.41	0.000	62.47	0.000
61.43	0.000	62.49	0.000
61.45	0.000	62.51	0.000
61.47	0.000	62.53	0.000
61.49	0.000	62.55	0.000
61.51	0.000		
61.53	0.000		
61.55	0.000		
61.57	0.000		
61.59	0.000		

Summary for Pond 209P: DMH 64

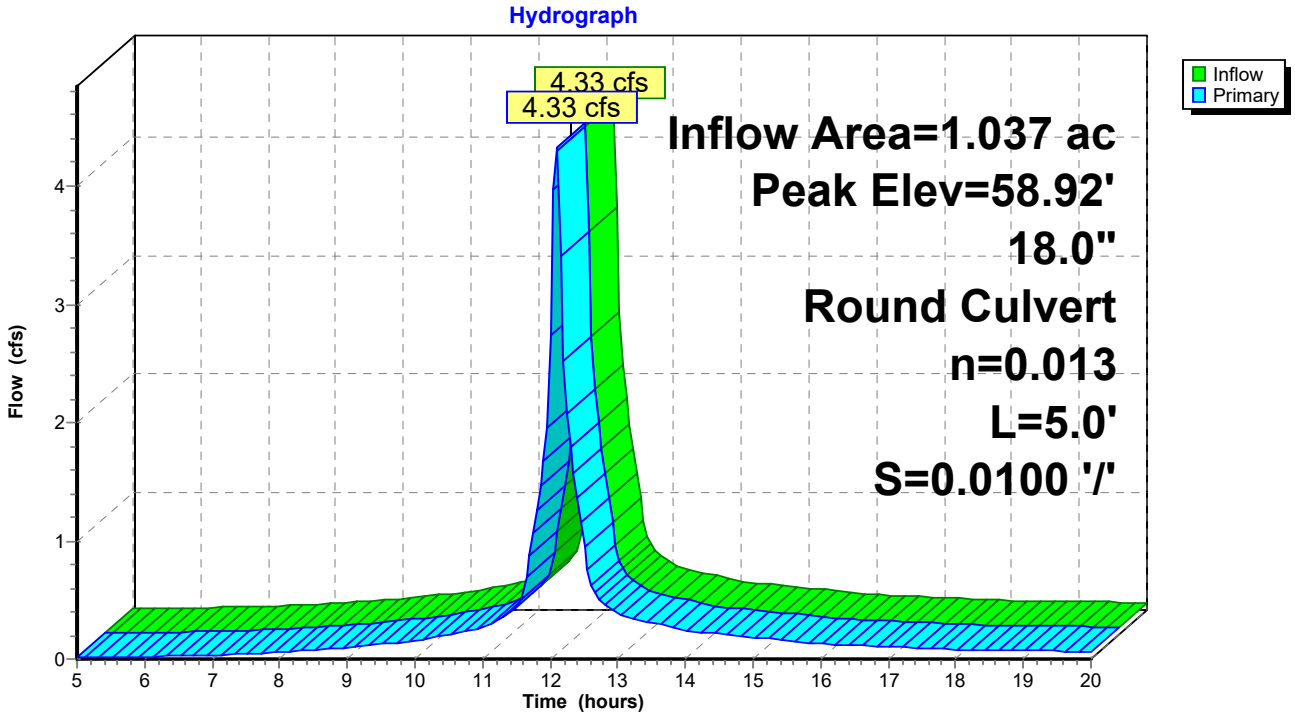
Inflow Area = 1.037 ac, 70.16% Impervious, Inflow Depth > 3.58" for 10-Year event
Inflow = 4.33 cfs @ 12.09 hrs, Volume= 0.310 af
Outflow = 4.33 cfs @ 12.09 hrs, Volume= 0.310 af, Atten= 0%, Lag= 0.0 min
Primary = 4.33 cfs @ 12.09 hrs, Volume= 0.310 af
Routed to Pond 97P : Sub. Det. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.60'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.60' / 57.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.22 cfs @ 12.09 hrs HW=58.89' (Free Discharge)
1=Culvert (Barrel Controls 4.22 cfs @ 3.49 fps)

Pond 209P: DMH 64



Stage-Area-Storage for Pond 209P: DMH 64

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.60	**0.000**	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000	58.90	0.000
57.85	0.000	58.38	0.000	58.91	0.000
57.86	0.000	58.39	0.000	58.92	0.000
57.87	0.000	58.40	0.000	58.93	0.000
57.88	0.000	58.41	0.000	58.94	0.000
57.89	0.000	58.42	0.000	58.95	0.000
57.90	0.000	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000		
58.06	0.000	58.59	0.000		
58.07	0.000	58.60	0.000		
58.08	0.000	58.61	0.000		
58.09	0.000	58.62	0.000		
58.10	0.000	58.63	0.000		
58.11	0.000	58.64	0.000		
58.12	0.000	58.65	0.000		

Summary for Pond 210P: DMH 68

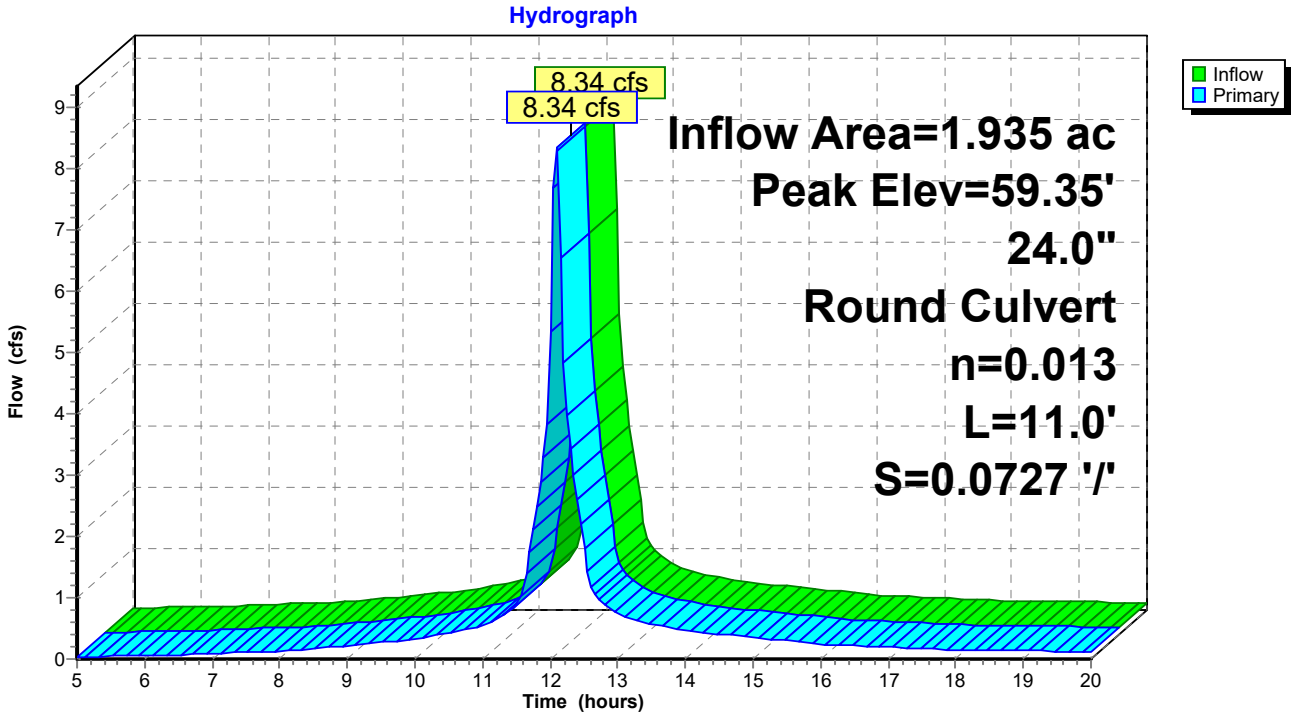
Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 3.77" for 10-Year event
Inflow = 8.34 cfs @ 12.09 hrs, Volume= 0.607 af
Outflow = 8.34 cfs @ 12.09 hrs, Volume= 0.607 af, Atten= 0%, Lag= 0.0 min
Primary = 8.34 cfs @ 12.09 hrs, Volume= 0.607 af
Routed to Pond 221P : Inf. Basin 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.35' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.85'	**24.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.85' / 57.05' S= 0.0727 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.13 cfs @ 12.09 hrs HW=59.33' (Free Discharge)
1=Culvert (Inlet Controls 8.13 cfs @ 3.27 fps)

Pond 210P: DMH 68



Stage-Area-Storage for Pond 210P: DMH 68

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.85	**0.000**	58.91	0.000
57.87	0.000	58.93	0.000
57.89	0.000	58.95	0.000
57.91	0.000	58.97	0.000
57.93	0.000	58.99	0.000
57.95	0.000	59.01	0.000
57.97	0.000	59.03	0.000
57.99	0.000	59.05	0.000
58.01	0.000	59.07	0.000
58.03	0.000	59.09	0.000
58.05	0.000	59.11	0.000
58.07	0.000	59.13	0.000
58.09	0.000	59.15	0.000
58.11	0.000	59.17	0.000
58.13	0.000	59.19	0.000
58.15	0.000	59.21	0.000
58.17	0.000	59.23	0.000
58.19	0.000	59.25	0.000
58.21	0.000	59.27	0.000
58.23	0.000	59.29	0.000
58.25	0.000	59.31	0.000
58.27	0.000	59.33	0.000
58.29	0.000	59.35	0.000
58.31	0.000	59.37	0.000
58.33	0.000	59.39	0.000
58.35	0.000	59.41	0.000
58.37	0.000	59.43	0.000
58.39	0.000	59.45	0.000
58.41	0.000	59.47	0.000
58.43	0.000	59.49	0.000
58.45	0.000	59.51	0.000
58.47	0.000	59.53	0.000
58.49	0.000	59.55	0.000
58.51	0.000	59.57	0.000
58.53	0.000	59.59	0.000
58.55	0.000	59.61	0.000
58.57	0.000	59.63	0.000
58.59	0.000	59.65	0.000
58.61	0.000	59.67	0.000
58.63	0.000	59.69	0.000
58.65	0.000	59.71	0.000
58.67	0.000	59.73	0.000
58.69	0.000	59.75	0.000
58.71	0.000	59.77	0.000
58.73	0.000	59.79	0.000
58.75	0.000	59.81	0.000
58.77	0.000	59.83	0.000
58.79	0.000	59.85	0.000
58.81	0.000		
58.83	0.000		
58.85	0.000		
58.87	0.000		
58.89	0.000		

Summary for Pond 211P: Sub. Inf. 1B

Inflow Area = 4.409 ac, 67.96% Impervious, Inflow Depth > 0.78" for 10-Year event
Inflow = 4.22 cfs @ 12.09 hrs, Volume= 0.287 af
Outflow = 1.90 cfs @ 12.30 hrs, Volume= 0.287 af, Atten= 55%, Lag= 12.3 min
Discarded = 1.90 cfs @ 12.30 hrs, Volume= 0.287 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 214P : DMH 4A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.93' @ 12.30 hrs Surf.Area= 0.064 ac Storage= 0.035 af

Plug-Flow detention time= 4.2 min calculated for 0.286 af (100% of inflow)
Center-of-Mass det. time= 4.1 min (790.9 - 786.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	50.00'	0.058 af	**25.25'W x 110.42'L x 3.50'H Field A** 0.224 af Overall - 0.080 af Embedded = 0.144 af x 40.0% Voids
#2A	50.50'	0.080 af	**ADS_StormTech SC-740 b +Cap** x 75 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 75 Chambers in 5 Rows Cap Storage= 2.7 cf x 2 x 5 rows = 26.5 cf
		0.137 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.00'	**22.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 47.00'
#2	Primary	51.50'	**24.0" Round Culvert** L= 110.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.50' / 48.00' S= 0.0318 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Discarded OutFlow Max=1.90 cfs @ 12.30 hrs HW=50.93' (Free Discharge)
↑**1=Exfiltration** (Controls 1.90 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=50.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 211P: Sub. Inf. 1B - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 5 rows = 26.5 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

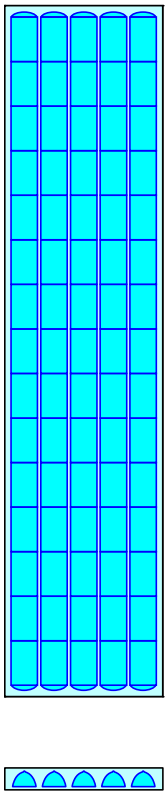
15 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 108.42' Row Length +12.0" End Stone x 2 = 110.42' Base Length
5 Rows x 51.0" Wide + 6.0" Spacing x 4 + 12.0" Side Stone x 2 = 25.25' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

75 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 5 Rows = 3,472.1 cf Chamber Storage

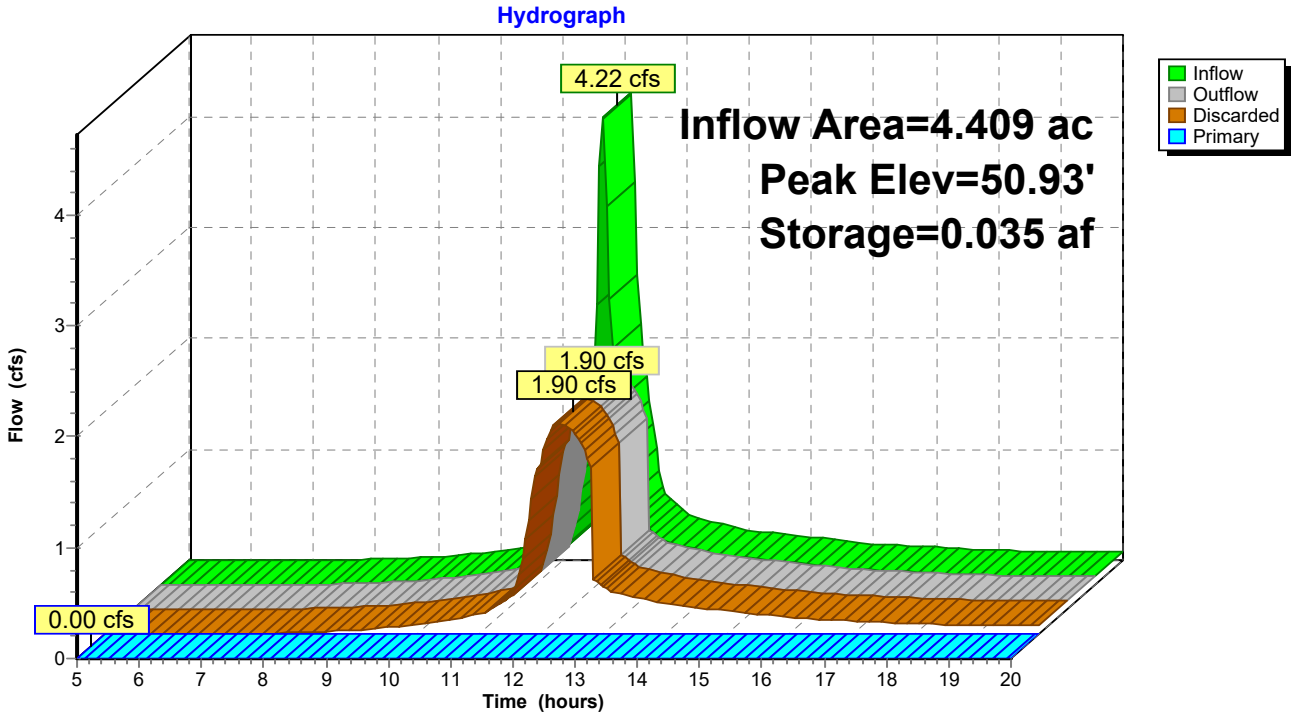
9,758.1 cf Field - 3,472.1 cf Chambers = 6,286.0 cf Stone x 40.0% Voids = 2,514.4 cf Stone Storage

Chamber Storage + Stone Storage = 5,986.5 cf = 0.137 af
Overall Storage Efficiency = 61.3%
Overall System Size = 110.42' x 25.25' x 3.50'

75 Chambers
361.4 cy Field
232.8 cy Stone



Pond 211P: Sub. Inf. 1B



Stage-Area-Storage for Pond 211P: Sub. Inf. 1B

Elevation (feet)	Surface (acres)	Storage (acre-feet)
50.00	**0.064**	0.000
50.05	0.064	0.001
50.10	0.064	0.003
50.15	0.064	0.004
50.20	0.064	0.005
50.25	0.064	0.006
50.30	0.064	0.008
50.35	0.064	0.009
50.40	0.064	0.010
50.45	0.064	0.012
50.50	0.064	0.013
50.55	0.064	0.015
50.60	0.064	0.018
50.65	0.064	0.021
50.70	0.064	0.023
50.75	0.064	0.026
50.80	0.064	0.029
50.85	0.064	0.031
50.90	0.064	0.034
50.95	0.064	0.037
51.00	0.064	0.039
51.05	0.064	0.042
51.10	0.064	0.044
51.15	0.064	0.047
51.20	0.064	0.049
51.25	0.064	0.052
51.30	0.064	0.054
51.35	0.064	0.057
51.40	0.064	0.059
51.45	0.064	0.062
51.50	0.064	0.064
51.55	0.064	0.067
51.60	0.064	0.069
51.65	0.064	0.072
51.70	0.064	0.074
51.75	0.064	0.076
51.80	0.064	0.079
51.85	0.064	0.081
51.90	0.064	0.083
51.95	0.064	0.086
52.00	0.064	0.088
52.05	0.064	0.090
52.10	0.064	0.092
52.15	0.064	0.095
52.20	0.064	0.097
52.25	0.064	0.099
52.30	0.064	0.101
52.35	0.064	0.103
52.40	0.064	0.105
52.45	0.064	0.107
52.50	0.064	0.109
52.55	0.064	0.111
52.60	0.064	0.113
52.65	0.064	0.114
52.70	0.064	0.116
52.75	0.064	0.118
52.80	0.064	0.119
52.85	0.064	0.121
52.90	0.064	0.122
52.95	0.064	0.123
53.00	0.064	0.125
53.05	0.064	0.126
53.10	0.064	0.127
53.15	0.064	0.128
53.20	0.064	0.130
53.25	0.064	0.131
53.30	0.064	0.132
53.35	0.064	0.134
53.40	0.064	0.135
53.45	0.064	0.136
53.50	0.064	**0.137**

Summary for Pond 212P: Sub. Inf. 1A

Inflow Area = 4.558 ac, 68.27% Impervious, Inflow Depth > 0.10" for 10-Year event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af
Outflow = 0.53 cfs @ 12.11 hrs, Volume= 0.037 af, Atten= 2%, Lag= 1.0 min
Discarded = 0.53 cfs @ 12.11 hrs, Volume= 0.037 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.53' @ 12.11 hrs Surf.Area= 0.055 ac Storage= 0.001 af

Plug-Flow detention time= 1.0 min calculated for 0.037 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (777.1 - 776.3)

Volume	Invert	Avail.Storage	Storage Description
#1A	47.50'	0.050 af	**20.50'W x 117.54'L x 3.50'H Field A** 0.194 af Overall - 0.068 af Embedded = 0.126 af x 40.0% Voids
#2A	48.00'	0.068 af	**ADS_StormTech SC-740 b +Cap** x 64 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 64 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.118 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	47.50'	**10.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 45.00'
#2	Primary	48.00'	**18.0" Round Culvert** L= 17.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.85' S= 0.0088 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Discarded OutFlow Max=0.57 cfs @ 12.11 hrs HW=47.53' (Free Discharge)
↑**1=Exfiltration** (Controls 0.57 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=47.50' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 212P: Sub. Inf. 1A - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

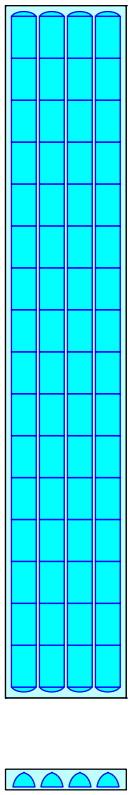
16 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 115.54' Row Length +12.0" End Stone x 2 = 117.54' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

64 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 2,961.4 cf Chamber Storage

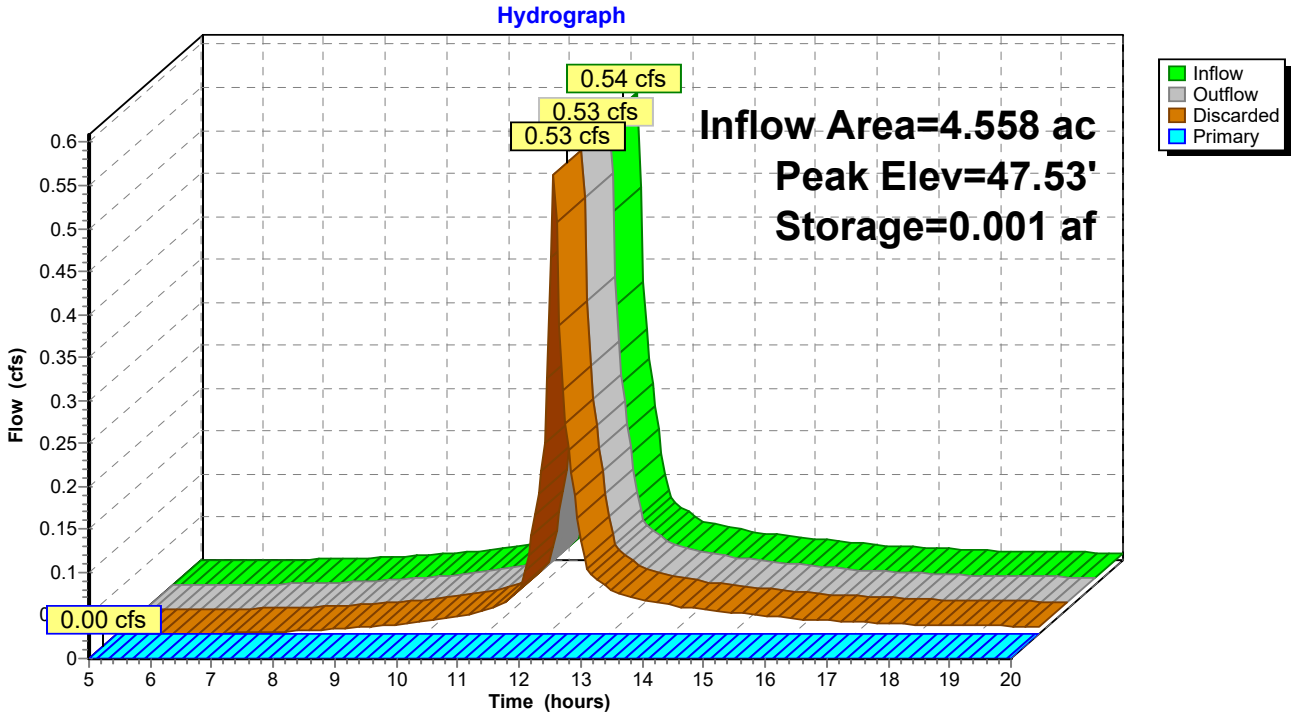
8,433.3 cf Field - 2,961.4 cf Chambers = 5,471.9 cf Stone x 40.0% Voids = 2,188.7 cf Stone Storage

Chamber Storage + Stone Storage = 5,150.1 cf = 0.118 af
Overall Storage Efficiency = 61.1%
Overall System Size = 117.54' x 20.50' x 3.50'

64 Chambers
312.3 cy Field
202.7 cy Stone



Pond 212P: Sub. Inf. 1A



Stage-Area-Storage for Pond 212P: Sub. Inf. 1A

Elevation (feet)	Surface (acres)	Storage (acre-feet)
47.50	**0.055**	0.000
47.55	0.055	0.001
47.60	0.055	0.002
47.65	0.055	0.003
47.70	0.055	0.004
47.75	0.055	0.006
47.80	0.055	0.007
47.85	0.055	0.008
47.90	0.055	0.009
47.95	0.055	0.010
48.00	0.055	0.011
48.05	0.055	0.013
48.10	0.055	0.016
48.15	0.055	0.018
48.20	0.055	0.020
48.25	0.055	0.022
48.30	0.055	0.025
48.35	0.055	0.027
48.40	0.055	0.029
48.45	0.055	0.031
48.50	0.055	0.034
48.55	0.055	0.036
48.60	0.055	0.038
48.65	0.055	0.040
48.70	0.055	0.042
48.75	0.055	0.045
48.80	0.055	0.047
48.85	0.055	0.049
48.90	0.055	0.051
48.95	0.055	0.053
49.00	0.055	0.055
49.05	0.055	0.057
49.10	0.055	0.059
49.15	0.055	0.062
49.20	0.055	0.064
49.25	0.055	0.066
49.30	0.055	0.068
49.35	0.055	0.070
49.40	0.055	0.072
49.45	0.055	0.074
49.50	0.055	0.076
49.55	0.055	0.077
49.60	0.055	0.079
49.65	0.055	0.081
49.70	0.055	0.083
49.75	0.055	0.085
49.80	0.055	0.087
49.85	0.055	0.088
49.90	0.055	0.090
49.95	0.055	0.092
50.00	0.055	0.094
50.05	0.055	0.095
50.10	0.055	0.097
50.15	0.055	0.098
50.20	0.055	0.100
50.25	0.055	0.101
50.30	0.055	0.102
50.35	0.055	0.104
50.40	0.055	0.105
50.45	0.055	0.106
50.50	0.055	0.107
50.55	0.055	0.108
50.60	0.055	0.109
50.65	0.055	0.110
50.70	0.055	0.112
50.75	0.055	0.113
50.80	0.055	0.114
50.85	0.055	0.115
50.90	0.055	0.116
50.95	0.055	0.117
51.00	0.055	**0.118**

Summary for Pond 213P: DMH 2

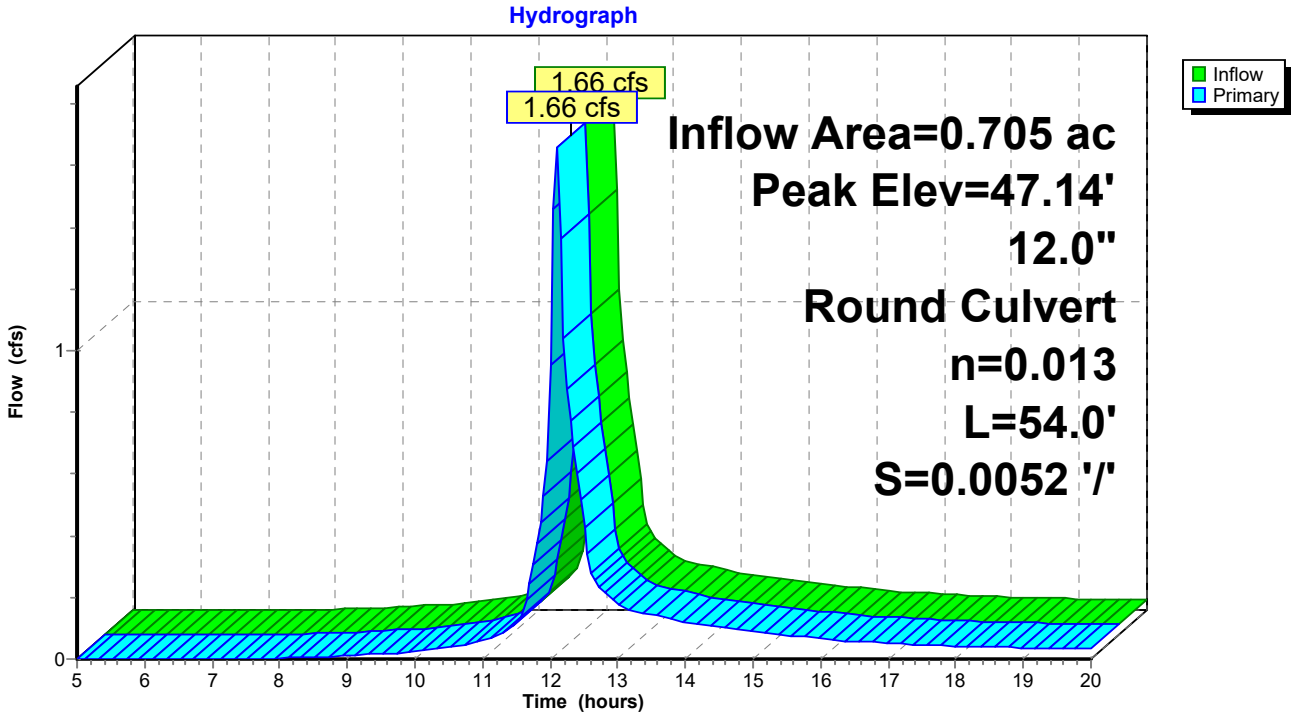
Inflow Area = 0.705 ac, 57.45% Impervious, Inflow Depth > 1.96" for 10-Year event
Inflow = 1.66 cfs @ 12.10 hrs, Volume= 0.115 af
Outflow = 1.66 cfs @ 12.10 hrs, Volume= 0.115 af, Atten= 0%, Lag= 0.0 min
Primary = 1.66 cfs @ 12.10 hrs, Volume= 0.115 af
Routed to Pond 186P : Constructed Wetland 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.14' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.28'	**12.0" Round Culvert** L= 54.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.28' / 46.00' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.64 cfs @ 12.10 hrs HW=47.13' (Free Discharge)
1=Culvert (Barrel Controls 1.64 cfs @ 3.09 fps)

Pond 213P: DMH 2



Stage-Area-Storage for Pond 213P: DMH 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.28	**0.000**	46.81	0.000
46.29	0.000	46.82	0.000
46.30	0.000	46.83	0.000
46.31	0.000	46.84	0.000
46.32	0.000	46.85	0.000
46.33	0.000	46.86	0.000
46.34	0.000	46.87	0.000
46.35	0.000	46.88	0.000
46.36	0.000	46.89	0.000
46.37	0.000	46.90	0.000
46.38	0.000	46.91	0.000
46.39	0.000	46.92	0.000
46.40	0.000	46.93	0.000
46.41	0.000	46.94	0.000
46.42	0.000	46.95	0.000
46.43	0.000	46.96	0.000
46.44	0.000	46.97	0.000
46.45	0.000	46.98	0.000
46.46	0.000	46.99	0.000
46.47	0.000	47.00	0.000
46.48	0.000	47.01	0.000
46.49	0.000	47.02	0.000
46.50	0.000	47.03	0.000
46.51	0.000	47.04	0.000
46.52	0.000	47.05	0.000
46.53	0.000	47.06	0.000
46.54	0.000	47.07	0.000
46.55	0.000	47.08	0.000
46.56	0.000	47.09	0.000
46.57	0.000	47.10	0.000
46.58	0.000	47.11	0.000
46.59	0.000	47.12	0.000
46.60	0.000	47.13	0.000
46.61	0.000	47.14	0.000
46.62	0.000	47.15	0.000
46.63	0.000	47.16	0.000
46.64	0.000	47.17	0.000
46.65	0.000	47.18	0.000
46.66	0.000	47.19	0.000
46.67	0.000	47.20	0.000
46.68	0.000	47.21	0.000
46.69	0.000	47.22	0.000
46.70	0.000	47.23	0.000
46.71	0.000	47.24	0.000
46.72	0.000	47.25	0.000
46.73	0.000	47.26	0.000
46.74	0.000	47.27	0.000
46.75	0.000	47.28	0.000
46.76	0.000		
46.77	0.000		
46.78	0.000		
46.79	0.000		
46.80	0.000		

Summary for Pond 214P: DMH 4A

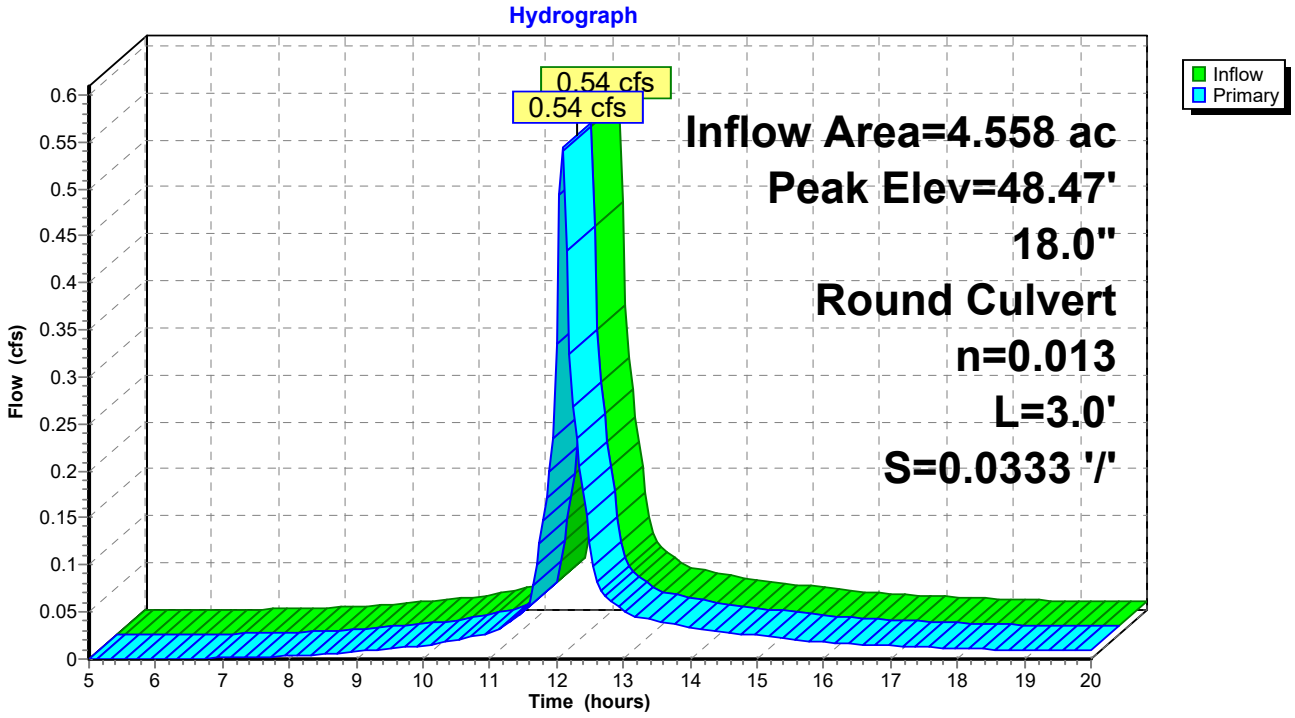
Inflow Area = 4.558 ac, 68.27% Impervious, Inflow Depth > 0.10" for 10-Year event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af
Outflow = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af, Atten= 0%, Lag= 0.0 min
Primary = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af
Routed to Pond 212P : Sub. Inf. 1A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.47' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.10'	**18.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.10' / 48.00' S= 0.0333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.53 cfs @ 12.09 hrs HW=48.46' (Free Discharge)
1=Culvert (Barrel Controls 0.53 cfs @ 2.44 fps)

Pond 214P: DMH 4A



Stage-Area-Storage for Pond 214P: DMH 4A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.10	**0.000**	48.63	0.000	49.16	0.000
48.11	0.000	48.64	0.000	49.17	0.000
48.12	0.000	48.65	0.000	49.18	0.000
48.13	0.000	48.66	0.000	49.19	0.000
48.14	0.000	48.67	0.000	49.20	0.000
48.15	0.000	48.68	0.000	49.21	0.000
48.16	0.000	48.69	0.000	49.22	0.000
48.17	0.000	48.70	0.000	49.23	0.000
48.18	0.000	48.71	0.000	49.24	0.000
48.19	0.000	48.72	0.000	49.25	0.000
48.20	0.000	48.73	0.000	49.26	0.000
48.21	0.000	48.74	0.000	49.27	0.000
48.22	0.000	48.75	0.000	49.28	0.000
48.23	0.000	48.76	0.000	49.29	0.000
48.24	0.000	48.77	0.000	49.30	0.000
48.25	0.000	48.78	0.000	49.31	0.000
48.26	0.000	48.79	0.000	49.32	0.000
48.27	0.000	48.80	0.000	49.33	0.000
48.28	0.000	48.81	0.000	49.34	0.000
48.29	0.000	48.82	0.000	49.35	0.000
48.30	0.000	48.83	0.000	49.36	0.000
48.31	0.000	48.84	0.000	49.37	0.000
48.32	0.000	48.85	0.000	49.38	0.000
48.33	0.000	48.86	0.000	49.39	0.000
48.34	0.000	48.87	0.000	49.40	0.000
48.35	0.000	48.88	0.000	49.41	0.000
48.36	0.000	48.89	0.000	49.42	0.000
48.37	0.000	48.90	0.000	49.43	0.000
48.38	0.000	48.91	0.000	49.44	0.000
48.39	0.000	48.92	0.000	49.45	0.000
48.40	0.000	48.93	0.000	49.46	0.000
48.41	0.000	48.94	0.000	49.47	0.000
48.42	0.000	48.95	0.000	49.48	0.000
48.43	0.000	48.96	0.000	49.49	0.000
48.44	0.000	48.97	0.000	49.50	0.000
48.45	0.000	48.98	0.000	49.51	0.000
48.46	0.000	48.99	0.000	49.52	0.000
48.47	0.000	49.00	0.000	49.53	0.000
48.48	0.000	49.01	0.000	49.54	0.000
48.49	0.000	49.02	0.000	49.55	0.000
48.50	0.000	49.03	0.000	49.56	0.000
48.51	0.000	49.04	0.000	49.57	0.000
48.52	0.000	49.05	0.000	49.58	0.000
48.53	0.000	49.06	0.000	49.59	0.000
48.54	0.000	49.07	0.000	49.60	0.000
48.55	0.000	49.08	0.000		
48.56	0.000	49.09	0.000		
48.57	0.000	49.10	0.000		
48.58	0.000	49.11	0.000		
48.59	0.000	49.12	0.000		
48.60	0.000	49.13	0.000		
48.61	0.000	49.14	0.000		
48.62	0.000	49.15	0.000		

Summary for Pond 215P: CB 5A

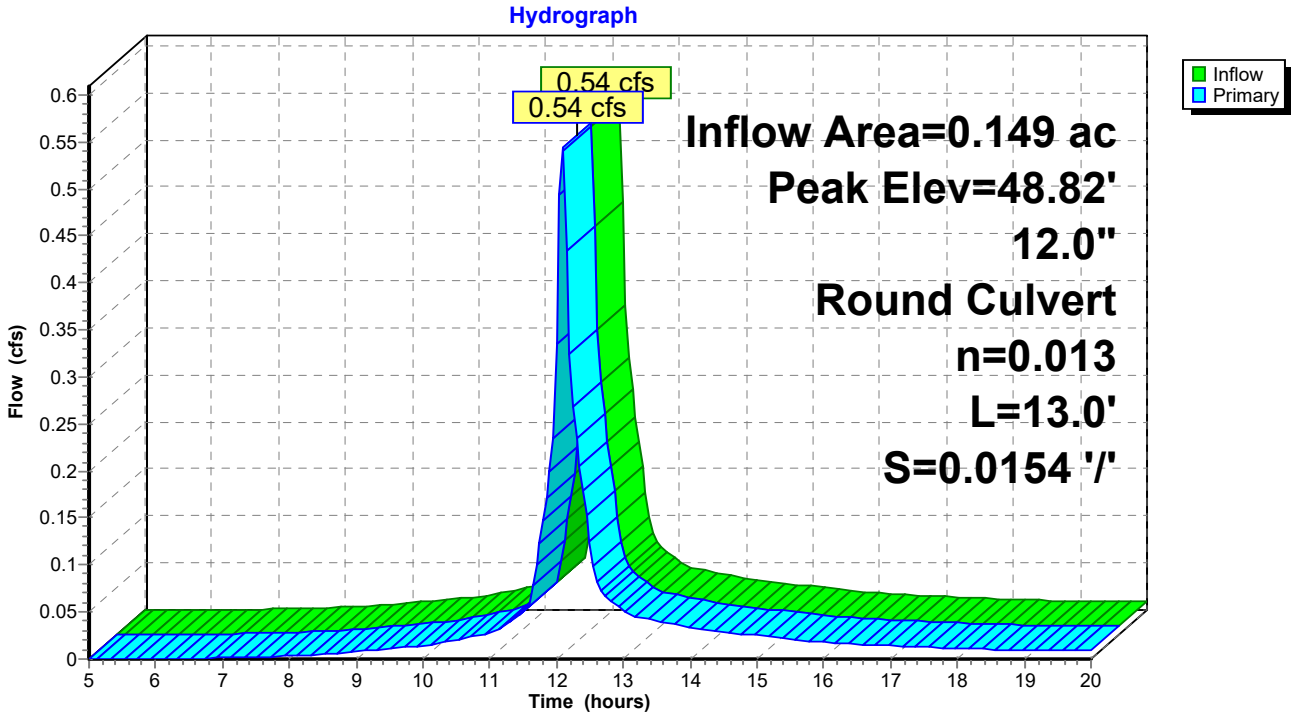
Inflow Area = 0.149 ac, 77.32% Impervious, Inflow Depth > 3.02" for 10-Year event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af
Outflow = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af, Atten= 0%, Lag= 0.0 min
Primary = 0.54 cfs @ 12.09 hrs, Volume= 0.037 af
Routed to Pond 214P : DMH 4A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.82' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.40'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.40' / 48.20' S= 0.0154 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.53 cfs @ 12.09 hrs HW=48.81' (Free Discharge)
1=Culvert (Inlet Controls 0.53 cfs @ 1.73 fps)

Pond 215P: CB 5A



Stage-Area-Storage for Pond 215P: CB 5A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.40	**0.000**	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000	49.01	0.000
48.49	0.000	49.02	0.000
48.50	0.000	49.03	0.000
48.51	0.000	49.04	0.000
48.52	0.000	49.05	0.000
48.53	0.000	49.06	0.000
48.54	0.000	49.07	0.000
48.55	0.000	49.08	0.000
48.56	0.000	49.09	0.000
48.57	0.000	49.10	0.000
48.58	0.000	49.11	0.000
48.59	0.000	49.12	0.000
48.60	0.000	49.13	0.000
48.61	0.000	49.14	0.000
48.62	0.000	49.15	0.000
48.63	0.000	49.16	0.000
48.64	0.000	49.17	0.000
48.65	0.000	49.18	0.000
48.66	0.000	49.19	0.000
48.67	0.000	49.20	0.000
48.68	0.000	49.21	0.000
48.69	0.000	49.22	0.000
48.70	0.000	49.23	0.000
48.71	0.000	49.24	0.000
48.72	0.000	49.25	0.000
48.73	0.000	49.26	0.000
48.74	0.000	49.27	0.000
48.75	0.000	49.28	0.000
48.76	0.000	49.29	0.000
48.77	0.000	49.30	0.000
48.78	0.000	49.31	0.000
48.79	0.000	49.32	0.000
48.80	0.000	49.33	0.000
48.81	0.000	49.34	0.000
48.82	0.000	49.35	0.000
48.83	0.000	49.36	0.000
48.84	0.000	49.37	0.000
48.85	0.000	49.38	0.000
48.86	0.000	49.39	0.000
48.87	0.000	49.40	0.000
48.88	0.000		
48.89	0.000		
48.90	0.000		
48.91	0.000		
48.92	0.000		

Summary for Pond 216P: CB 8A

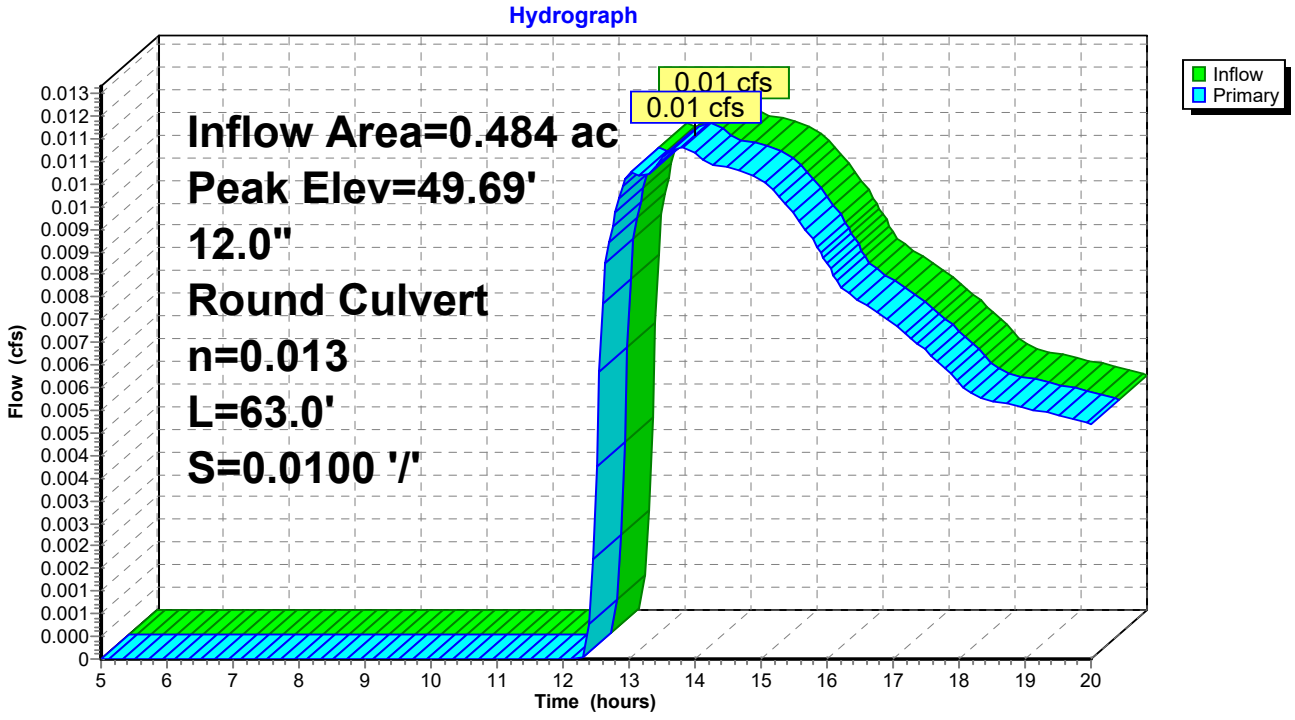
Inflow Area = 0.484 ac, 16.33% Impervious, Inflow Depth > 0.13" for 10-Year event
Inflow = 0.01 cfs @ 13.80 hrs, Volume= 0.005 af
Outflow = 0.01 cfs @ 13.80 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.0 min
Primary = 0.01 cfs @ 13.80 hrs, Volume= 0.005 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.69' @ 13.80 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.63'	**12.0" Round Culvert** L= 63.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.63' / 49.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.01 cfs @ 13.80 hrs HW=49.69' (Free Discharge)
1=Culvert (Inlet Controls 0.01 cfs @ 0.64 fps)

Pond 216P: CB 8A



Stage-Area-Storage for Pond 216P: CB 8A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.63	**0.000**	50.16	0.000
49.64	0.000	50.17	0.000
49.65	0.000	50.18	0.000
49.66	0.000	50.19	0.000
49.67	0.000	50.20	0.000
49.68	0.000	50.21	0.000
49.69	0.000	50.22	0.000
49.70	0.000	50.23	0.000
49.71	0.000	50.24	0.000
49.72	0.000	50.25	0.000
49.73	0.000	50.26	0.000
49.74	0.000	50.27	0.000
49.75	0.000	50.28	0.000
49.76	0.000	50.29	0.000
49.77	0.000	50.30	0.000
49.78	0.000	50.31	0.000
49.79	0.000	50.32	0.000
49.80	0.000	50.33	0.000
49.81	0.000	50.34	0.000
49.82	0.000	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000		
50.12	0.000		
50.13	0.000		
50.14	0.000		
50.15	0.000		

Summary for Pond 217P: DMH 8A

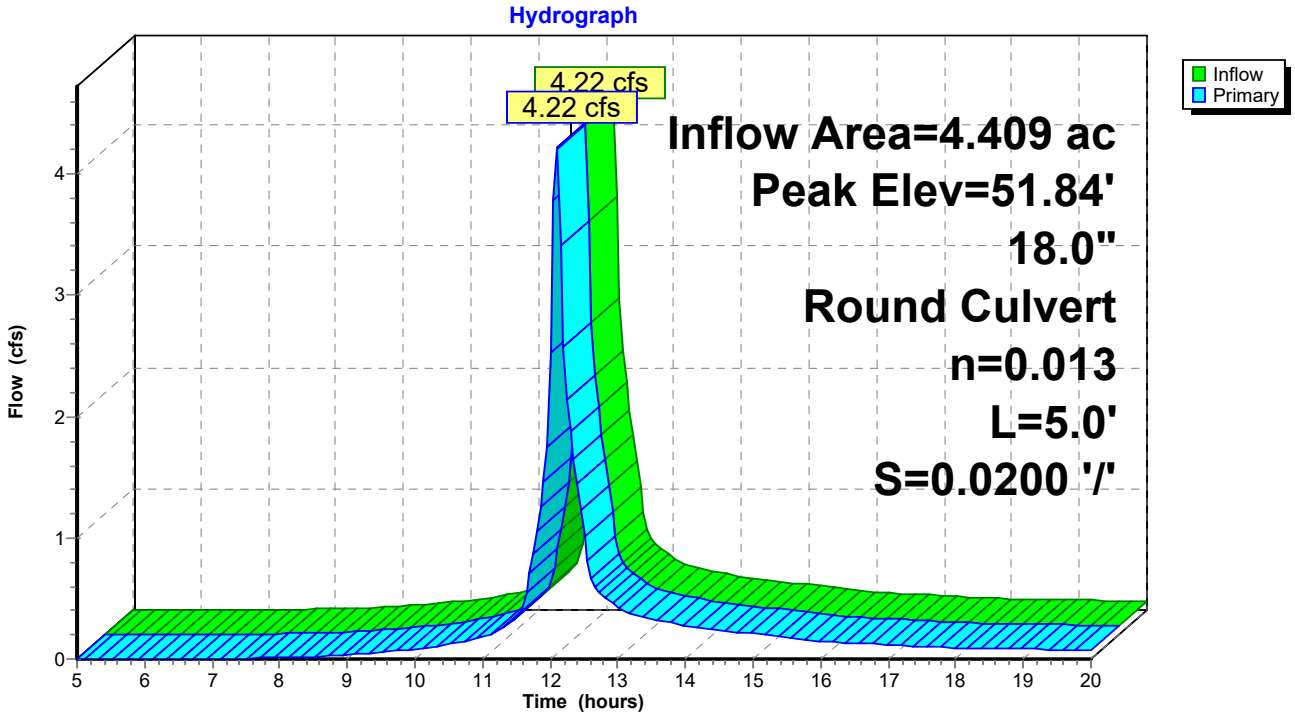
Inflow Area = 4.409 ac, 67.96% Impervious, Inflow Depth > 0.78" for 10-Year event
Inflow = 4.22 cfs @ 12.09 hrs, Volume= 0.287 af
Outflow = 4.22 cfs @ 12.09 hrs, Volume= 0.287 af, Atten= 0%, Lag= 0.0 min
Primary = 4.22 cfs @ 12.09 hrs, Volume= 0.287 af
Routed to Pond 211P : Sub. Inf. 1B

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.84' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.60'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.60' / 50.50' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.14 cfs @ 12.09 hrs HW=51.83' (Free Discharge)
1=Culvert (Barrel Controls 4.14 cfs @ 3.64 fps)

Pond 217P: DMH 8A



Stage-Area-Storage for Pond 217P: DMH 8A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.60	**0.000**	51.13	0.000	51.66	0.000
50.61	0.000	51.14	0.000	51.67	0.000
50.62	0.000	51.15	0.000	51.68	0.000
50.63	0.000	51.16	0.000	51.69	0.000
50.64	0.000	51.17	0.000	51.70	0.000
50.65	0.000	51.18	0.000	51.71	0.000
50.66	0.000	51.19	0.000	51.72	0.000
50.67	0.000	51.20	0.000	51.73	0.000
50.68	0.000	51.21	0.000	51.74	0.000
50.69	0.000	51.22	0.000	51.75	0.000
50.70	0.000	51.23	0.000	51.76	0.000
50.71	0.000	51.24	0.000	51.77	0.000
50.72	0.000	51.25	0.000	51.78	0.000
50.73	0.000	51.26	0.000	51.79	0.000
50.74	0.000	51.27	0.000	51.80	0.000
50.75	0.000	51.28	0.000	51.81	0.000
50.76	0.000	51.29	0.000	51.82	0.000
50.77	0.000	51.30	0.000	51.83	0.000
50.78	0.000	51.31	0.000	51.84	0.000
50.79	0.000	51.32	0.000	51.85	0.000
50.80	0.000	51.33	0.000	51.86	0.000
50.81	0.000	51.34	0.000	51.87	0.000
50.82	0.000	51.35	0.000	51.88	0.000
50.83	0.000	51.36	0.000	51.89	0.000
50.84	0.000	51.37	0.000	51.90	0.000
50.85	0.000	51.38	0.000	51.91	0.000
50.86	0.000	51.39	0.000	51.92	0.000
50.87	0.000	51.40	0.000	51.93	0.000
50.88	0.000	51.41	0.000	51.94	0.000
50.89	0.000	51.42	0.000	51.95	0.000
50.90	0.000	51.43	0.000	51.96	0.000
50.91	0.000	51.44	0.000	51.97	0.000
50.92	0.000	51.45	0.000	51.98	0.000
50.93	0.000	51.46	0.000	51.99	0.000
50.94	0.000	51.47	0.000	52.00	0.000
50.95	0.000	51.48	0.000	52.01	0.000
50.96	0.000	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000	52.05	0.000
51.00	0.000	51.53	0.000	52.06	0.000
51.01	0.000	51.54	0.000	52.07	0.000
51.02	0.000	51.55	0.000	52.08	0.000
51.03	0.000	51.56	0.000	52.09	0.000
51.04	0.000	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000		
51.06	0.000	51.59	0.000		
51.07	0.000	51.60	0.000		
51.08	0.000	51.61	0.000		
51.09	0.000	51.62	0.000		
51.10	0.000	51.63	0.000		
51.11	0.000	51.64	0.000		
51.12	0.000	51.65	0.000		

Summary for Pond 218P: CB A

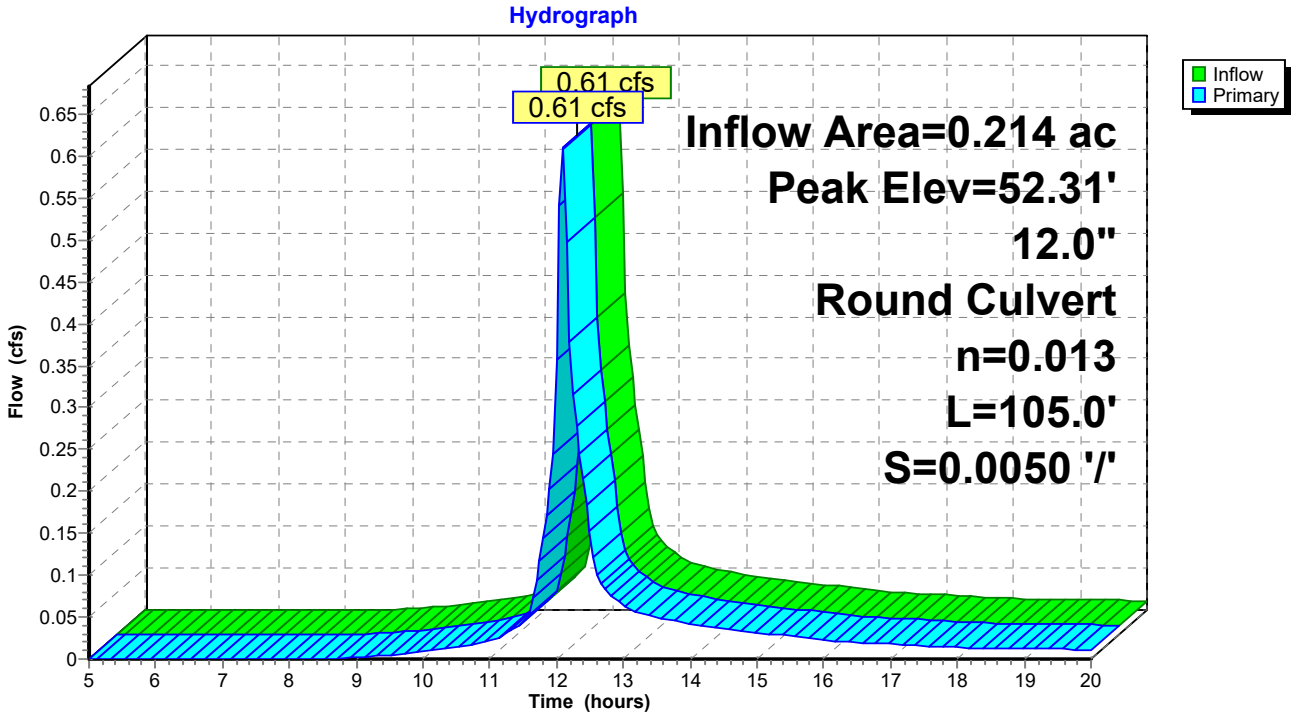
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 2.31" for 10-Year event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af
Outflow = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af
Routed to Pond 219P : DMH A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.31' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.85'	**12.0" Round Culvert** L= 105.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.85' / 51.32' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.09 hrs HW=52.31' (Free Discharge)
1=Culvert (Barrel Controls 0.60 cfs @ 2.50 fps)

Pond 218P: CB A



Stage-Area-Storage for Pond 218P: CB A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.85	**0.000**	52.38	0.000
51.86	0.000	52.39	0.000
51.87	0.000	52.40	0.000
51.88	0.000	52.41	0.000
51.89	0.000	52.42	0.000
51.90	0.000	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000		
52.34	0.000		
52.35	0.000		
52.36	0.000		
52.37	0.000		

Summary for Pond 219P: DMH A

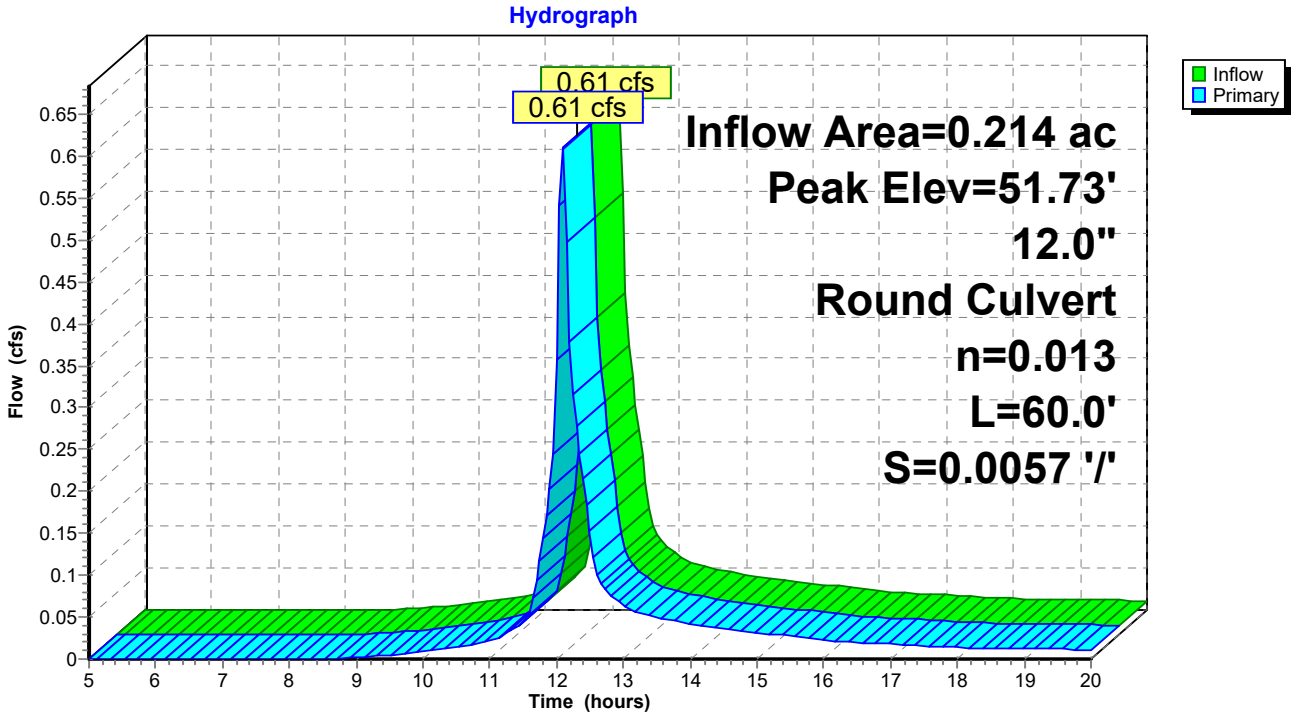
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 2.31" for 10-Year event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af
Outflow = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af
Routed to Pond 220P : DMH B

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.73' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.27'	**12.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.27' / 50.93' S= 0.0057 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.09 hrs HW=51.73' (Free Discharge)
1=Culvert (Barrel Controls 0.60 cfs @ 2.52 fps)

Pond 219P: DMH A



Stage-Area-Storage for Pond 219P: DMH A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.27	**0.000**	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000	52.26	0.000
51.74	0.000	52.27	0.000
51.75	0.000		
51.76	0.000		
51.77	0.000		
51.78	0.000		
51.79	0.000		

Summary for Pond 220P: DMH B

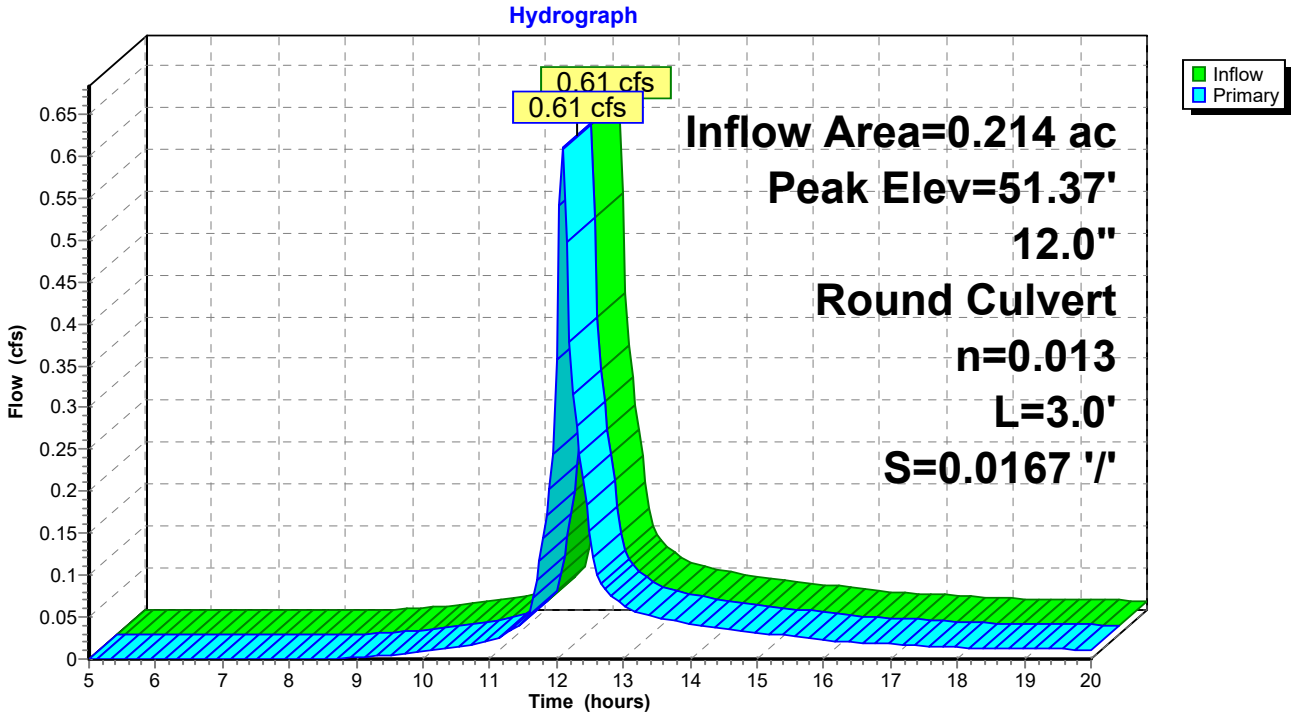
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 2.31" for 10-Year event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af
Outflow = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.09 hrs, Volume= 0.041 af
Routed to Pond 192P : Sub. Inf. 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.37' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.88'	**12.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.88' / 50.83' S= 0.0167 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.09 hrs HW=51.36' (Free Discharge)
1=Culvert (Barrel Controls 0.60 cfs @ 2.33 fps)

Pond 220P: DMH B



Stage-Area-Storage for Pond 220P: DMH B

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.88	**0.000**	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000		
51.37	0.000		
51.38	0.000		
51.39	0.000		
51.40	0.000		

Summary for Pond 221P: Inf. Basin 6

Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 3.77" for 10-Year event
Inflow = 8.34 cfs @ 12.09 hrs, Volume= 0.607 af
Outflow = 3.92 cfs @ 12.26 hrs, Volume= 0.568 af, Atten= 53%, Lag= 10.3 min
Discarded = 0.19 cfs @ 12.26 hrs, Volume= 0.116 af
Primary = 3.73 cfs @ 12.26 hrs, Volume= 0.452 af
Routed to Pond 195P : Constructed Wetland 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.06' @ 12.26 hrs Surf.Area= 4,423 sf Storage= 7,407 cf

Plug-Flow detention time= 58.9 min calculated for 0.568 af (94% of inflow)
Center-of-Mass det. time= 35.0 min (788.0 - 753.0)

Volume	Invert	Avail.Storage	Storage Description
#1	56.00'	17,627 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

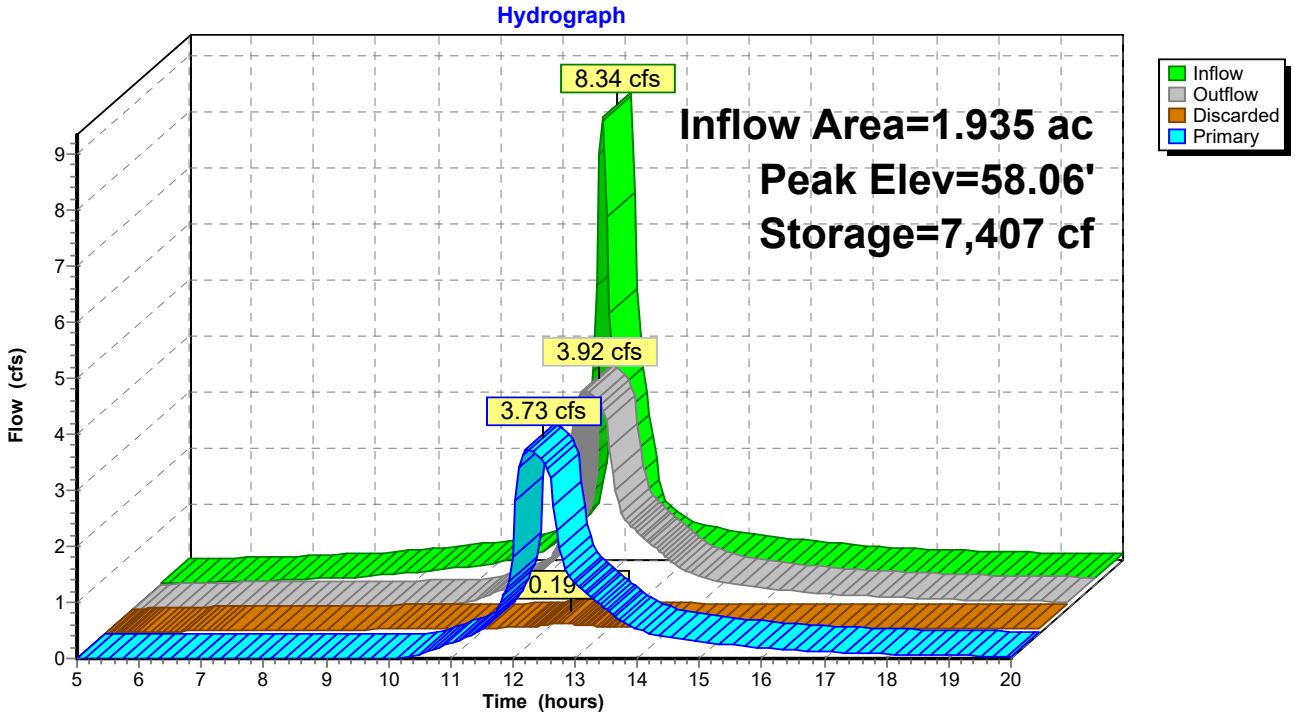
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
56.00	2,718	0	0
57.00	3,594	3,156	3,156
58.00	4,371	3,983	7,139
59.00	5,223	4,797	11,936
60.00	6,159	5,691	17,627

Device	Routing	Invert	Outlet Devices
#1	Discarded	56.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 54.00'
#2	Primary	56.00'	**12.0" Round Culvert** L= 35.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.00' / 53.00' S= 0.0857 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	57.30'	**24.0" W x 24.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.19 cfs @ 12.26 hrs HW=58.06' (Free Discharge)
└**1=Exfiltration** (Controls 0.19 cfs)

Primary OutFlow Max=3.73 cfs @ 12.26 hrs HW=58.06' (Free Discharge)
└**2=Culvert** (Inlet Controls 3.73 cfs @ 4.75 fps)
├**3=Orifice/Grate** (Passes < 2.16 cfs potential flow)
└**4=Orifice/Grate** (Passes < 4.24 cfs potential flow)

Pond 221P: Inf. Basin 6



Stage-Area-Storage for Pond 221P: Inf. Basin 6

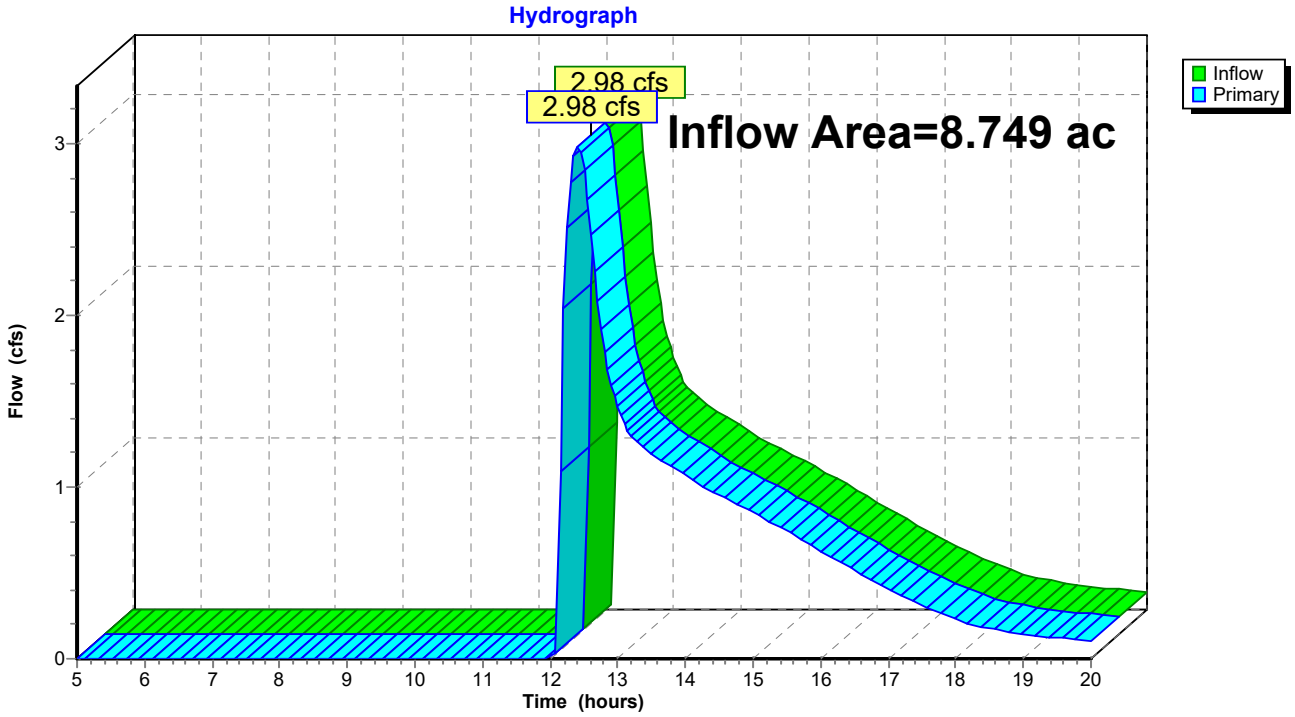
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
56.00	2,718	0
56.05	2,762	137
56.10	2,806	276
56.15	2,849	418
56.20	2,893	561
56.25	2,937	707
56.30	2,981	855
56.35	3,025	1,005
56.40	3,068	1,157
56.45	3,112	1,312
56.50	3,156	1,469
56.55	3,200	1,627
56.60	3,244	1,788
56.65	3,287	1,952
56.70	3,331	2,117
56.75	3,375	2,285
56.80	3,419	2,455
56.85	3,463	2,627
56.90	3,506	2,801
56.95	3,550	2,977
57.00	3,594	3,156
57.05	3,633	3,337
57.10	3,672	3,519
57.15	3,711	3,704
57.20	3,749	3,890
57.25	3,788	4,079
57.30	3,827	4,269
57.35	3,866	4,461
57.40	3,905	4,656
57.45	3,944	4,852
57.50	3,983	5,050
57.55	4,021	5,250
57.60	4,060	5,452
57.65	4,099	5,656
57.70	4,138	5,862
57.75	4,177	6,070
57.80	4,216	6,280
57.85	4,254	6,492
57.90	4,293	6,705
57.95	4,332	6,921
58.00	4,371	7,139
58.05	4,414	7,358
58.10	4,456	7,580
58.15	4,499	7,804
58.20	4,541	8,030
58.25	4,584	8,258
58.30	4,627	8,488
58.35	4,669	8,721
58.40	4,712	8,955
58.45	4,754	9,192
58.50	4,797	9,431
58.55	4,840	9,671
58.60	4,882	9,914
58.65	4,925	10,160
58.70	4,967	10,407
58.75	5,010	10,656
58.80	5,053	10,908
58.85	5,095	11,162
58.90	5,138	11,417
58.95	5,180	11,675
59.00	5,223	11,936
59.05	5,270	12,198
59.10	5,317	12,462
59.15	5,363	12,729
59.20	5,410	12,999
59.25	5,457	13,271
59.30	5,504	13,545
59.35	5,551	13,821
59.40	5,597	14,100
59.45	5,644	14,381
59.50	5,691	14,664
59.55	5,738	14,950
59.60	5,785	15,238
59.65	5,831	15,528
59.70	5,878	15,821
59.75	5,925	16,116
59.80	5,972	16,413
59.85	6,019	16,713
59.90	6,065	17,015
59.95	6,112	17,320
60.00	**6,159**	**17,627**

Summary for Link 59L: DP 1

Inflow Area = 8.749 ac, 31.63% Impervious, Inflow Depth > 0.68" for 10-Year event
Inflow = 2.98 cfs @ 12.41 hrs, Volume= 0.494 af
Primary = 2.98 cfs @ 12.41 hrs, Volume= 0.494 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 59L: DP 1

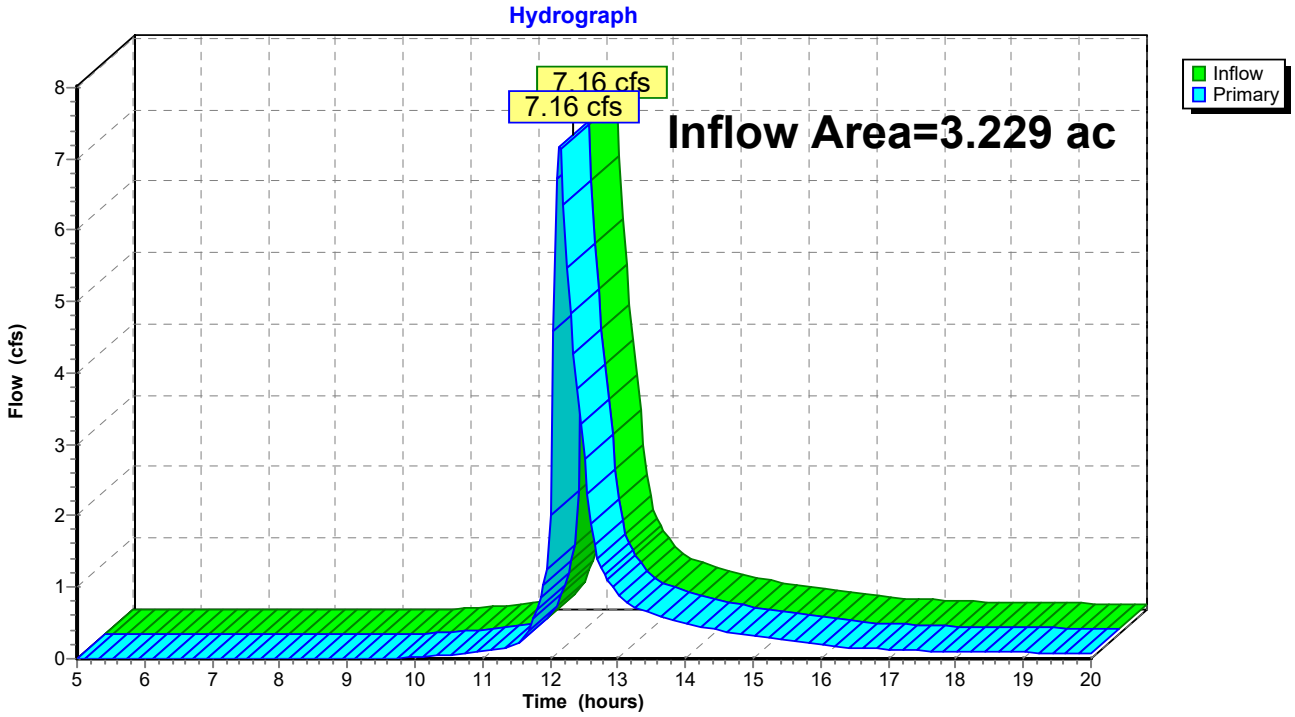


Summary for Link 60L: DP 2

Inflow Area = 3.229 ac, 32.60% Impervious, Inflow Depth > 1.66" for 10-Year event
Inflow = 7.16 cfs @ 12.14 hrs, Volume= 0.446 af
Primary = 7.16 cfs @ 12.14 hrs, Volume= 0.446 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 60L: DP 2

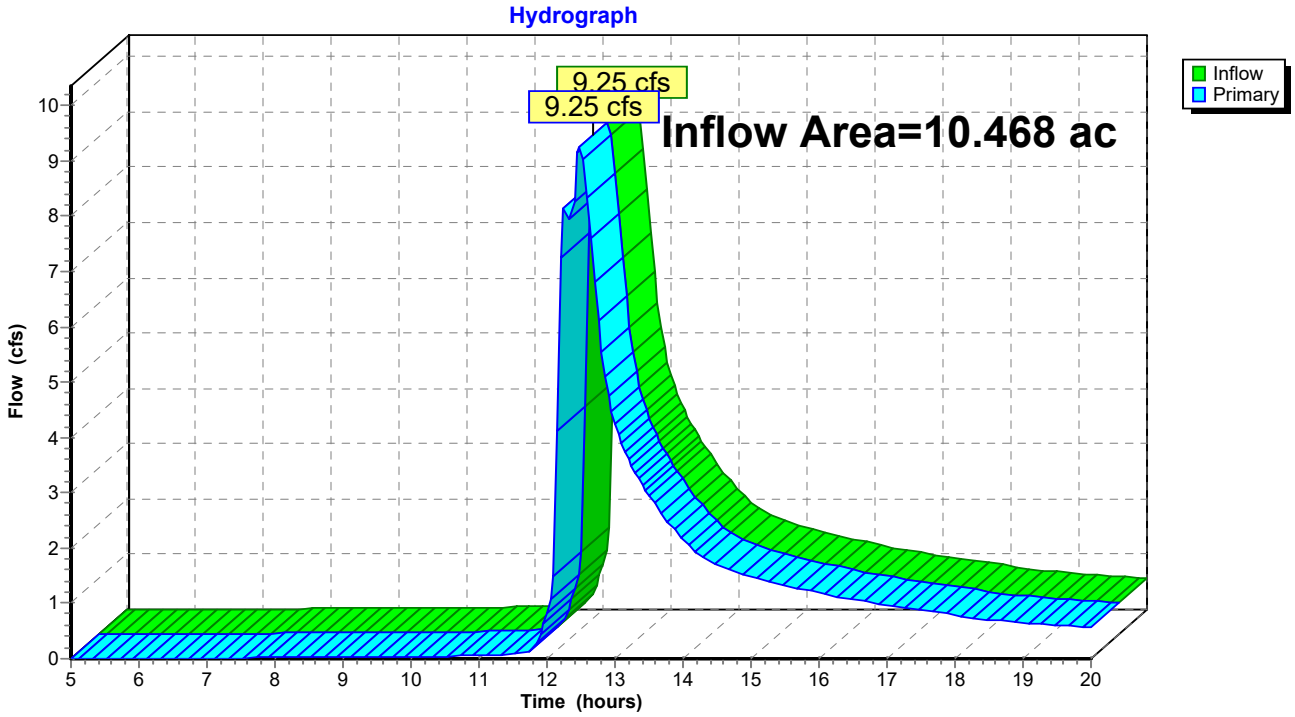


Summary for Link 188L: DP 3

Inflow Area = 10.468 ac, 46.25% Impervious, Inflow Depth > 1.51" for 10-Year event
Inflow = 9.25 cfs @ 12.48 hrs, Volume= 1.313 af
Primary = 9.25 cfs @ 12.48 hrs, Volume= 1.313 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 188L: DP 3

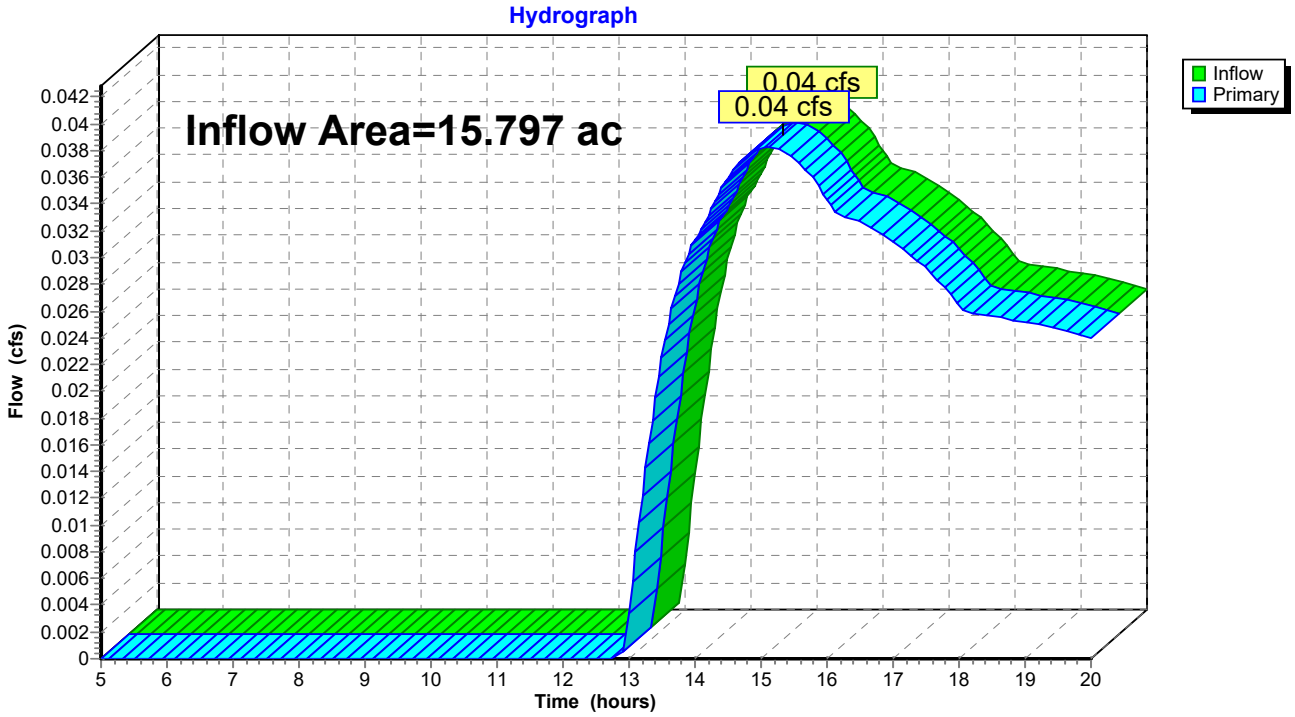


Summary for Link 203L: 3A

Inflow Area = 15.797 ac, 47.23% Impervious, Inflow Depth > 0.01" for 10-Year event
Inflow = 0.04 cfs @ 15.12 hrs, Volume= 0.017 af
Primary = 0.04 cfs @ 15.12 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 203L: 3A



Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: P1A Runoff Area=7,501 sf 96.61% Impervious Runoff Depth>7.94"
Tc=6.0 min CN=97 Runoff=1.47 cfs 0.114 af

Subcatchment 2S: P1B Runoff Area=16,584 sf 74.19% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=3.18 cfs 0.238 af

Subcatchment 3S: P1C Runoff Area=6,087 sf 64.30% Impervious Runoff Depth>7.18"
Tc=6.0 min CN=89 Runoff=1.14 cfs 0.084 af

Subcatchment 4S: P1D Runoff Area=2,767 sf 81.50% Impervious Runoff Depth>7.69"
Tc=6.0 min CN=94 Runoff=0.54 cfs 0.041 af

Subcatchment 5S: P1E Runoff Area=11,538 sf 66.20% Impervious Runoff Depth>7.29"
Tc=6.0 min CN=90 Runoff=2.18 cfs 0.161 af

Subcatchment 6S: P1F Runoff Area=4,817 sf 71.39% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=0.92 cfs 0.068 af

Subcatchment 7S: P1G Runoff Area=5,511 sf 100.00% Impervious Runoff Depth>8.00"
Tc=6.0 min CN=98 Runoff=1.08 cfs 0.084 af

Subcatchment 8S: P1H Runoff Area=13,713 sf 81.38% Impervious Runoff Depth>7.69"
Tc=6.0 min CN=94 Runoff=2.66 cfs 0.202 af

Subcatchment 9S: P1I Runoff Area=3,616 sf 78.43% Impervious Runoff Depth>7.60"
Tc=6.0 min CN=93 Runoff=0.70 cfs 0.053 af

Subcatchment 10S: P1J Runoff Area=1,937 sf 100.00% Impervious Runoff Depth>8.00"
Tc=6.0 min CN=98 Runoff=0.38 cfs 0.030 af

Subcatchment 11S: P1K Runoff Area=1,936 sf 96.85% Impervious Runoff Depth>7.94"
Tc=6.0 min CN=97 Runoff=0.38 cfs 0.029 af

Subcatchment 12S: P1L Runoff Area=9,821 sf 78.85% Impervious Runoff Depth>7.60"
Tc=6.0 min CN=93 Runoff=1.89 cfs 0.143 af

Subcatchment 13S: P1M Runoff Area=8,699 sf 94.53% Impervious Runoff Depth>7.94"
Tc=6.0 min CN=97 Runoff=1.71 cfs 0.132 af

Subcatchment 14S: P1N Runoff Area=14,865 sf 3.94% Impervious Runoff Depth>5.42"
Tc=6.0 min UI Adjusted CN=74 Runoff=2.25 cfs 0.154 af

Subcatchment 39S: P1P Runoff Area=7,939 sf 66.96% Impervious Runoff Depth>7.29"
Tc=6.0 min CN=90 Runoff=1.50 cfs 0.111 af

Subcatchment 40S: P1O Runoff Area=978 sf 100.00% Impervious Runoff Depth>8.00"
Tc=6.0 min CN=98 Runoff=0.19 cfs 0.015 af

Subcatchment 44S: P1R Runoff Area=15,334 sf 70.58% Impervious Runoff Depth>6.50"
Tc=6.0 min CN=83 Runoff=2.68 cfs 0.191 af

Subcatchment 45S: P1Q Runoff Area=5,247 sf 97.54% Impervious Runoff Depth>7.94"
Tc=6.0 min CN=97 Runoff=1.03 cfs 0.080 af

Subcatchment 50S: P1S Runoff Area=22,872 sf 65.45% Impervious Runoff Depth>5.90"
Tc=6.0 min CN=78 Runoff=3.72 cfs 0.258 af

Subcatchment 51S: P1T Runoff Area=13,963 sf 29.26% Impervious Runoff Depth>3.28"
Tc=6.0 min CN=56 Runoff=1.29 cfs 0.088 af

Subcatchment 57S: (new Subcat) Runoff Area=23,511 sf 5.60% Impervious Runoff Depth>1.39"
Flow Length=87' Tc=13.0 min UI Adjusted CN=39 Runoff=0.58 cfs 0.062 af

Subcatchment 58S: P1AA Runoff Area=217,595 sf 2.56% Impervious Runoff Depth>2.03"
Flow Length=111' Tc=11.7 min UI Adjusted CN=45 Runoff=9.49 cfs 0.844 af

Subcatchment 60S: P2C Runoff Area=6,486 sf 73.97% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=1.24 cfs 0.093 af

Subcatchment 61S: P2D Runoff Area=1,464 sf 87.02% Impervious Runoff Depth>7.78"
Tc=6.0 min CN=95 Runoff=0.29 cfs 0.022 af

Subcatchment 62S: P2J Runoff Area=10,675 sf 72.86% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=2.03 cfs 0.151 af

Subcatchment 63S: P2K Runoff Area=6,698 sf 76.98% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=1.28 cfs 0.096 af

Subcatchment 64S: P3L Runoff Area=2,885 sf 66.55% Impervious Runoff Depth>7.29"
Tc=6.0 min CN=90 Runoff=0.54 cfs 0.040 af

Subcatchment 65S: P3M Runoff Area=5,397 sf 69.69% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=1.03 cfs 0.076 af

Subcatchment 66S: P3N Runoff Area=7,748 sf 72.79% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=1.47 cfs 0.110 af

Subcatchment 67S: P3O Runoff Area=8,254 sf 78.29% Impervious Runoff Depth>7.60"
Tc=6.0 min CN=93 Runoff=1.59 cfs 0.120 af

Subcatchment 68S: P3P Runoff Area=4,070 sf 80.29% Impervious Runoff Depth>7.60"
Tc=6.0 min CN=93 Runoff=0.78 cfs 0.059 af

Subcatchment 69S: P2E Runoff Area=7,088 sf 82.69% Impervious Runoff Depth>7.69"
Tc=6.0 min CN=94 Runoff=1.37 cfs 0.104 af

Subcatchment 70S: P2F Runoff Area=3,932 sf 100.00% Impervious Runoff Depth>8.00"
Tc=6.0 min CN=98 Runoff=0.77 cfs 0.060 af

Subcatchment 71S: P2A Runoff Area=10,978 sf 65.83% Impervious Runoff Depth>7.29"
Tc=6.0 min CN=90 Runoff=2.07 cfs 0.153 af

Subcatchment72S: P2B Runoff Area=7,563 sf 65.05% Impervious Runoff Depth>7.29"
Tc=6.0 min CN=90 Runoff=1.43 cfs 0.106 af

Subcatchment73S: P2G Runoff Area=8,223 sf 71.07% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=1.56 cfs 0.116 af

Subcatchment74S: P2H Runoff Area=4,268 sf 95.31% Impervious Runoff Depth>7.78"
Tc=6.0 min CN=95 Runoff=0.83 cfs 0.064 af

Subcatchment75S: P3Q Runoff Area=10,219 sf 64.37% Impervious Runoff Depth>7.18"
Tc=6.0 min CN=89 Runoff=1.91 cfs 0.140 af

Subcatchment76S: P3R Runoff Area=13,649 sf 76.83% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=2.61 cfs 0.196 af

Subcatchment77S: P3S Runoff Area=7,757 sf 69.60% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=1.48 cfs 0.110 af

Subcatchment78S: P1S Runoff Area=12,630 sf 58.56% Impervious Runoff Depth>6.85"
Tc=6.0 min CN=86 Runoff=2.29 cfs 0.165 af

Subcatchment79S: P1T Runoff Area=11,982 sf 72.42% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=2.28 cfs 0.170 af

Subcatchment80S: P3KK Runoff Area=8,557 sf 76.76% Impervious Runoff Depth>6.62"
Tc=6.0 min CN=84 Runoff=1.52 cfs 0.108 af

Subcatchment81S: P3LL Runoff Area=9,785 sf 79.18% Impervious Runoff Depth>6.85"
Tc=6.0 min CN=86 Runoff=1.78 cfs 0.128 af

Subcatchment82S: P3SS Runoff Area=12,880 sf 67.55% Impervious Runoff Depth>6.02"
Tc=6.0 min CN=79 Runoff=2.13 cfs 0.148 af

Subcatchment83S: P2I Runoff Area=13,847 sf 51.48% Impervious Runoff Depth>6.02"
Tc=6.0 min CN=79 Runoff=2.29 cfs 0.159 af

Subcatchment84S: P2AA Runoff Area=71,125 sf 7.37% Impervious Runoff Depth>5.17"
Flow Length=201' Tc=8.4 min UI Adjusted CN=72 Runoff=9.59 cfs 0.704 af

Subcatchment85S: (new Subcat) Runoff Area=25,650 sf 36.87% Impervious Runoff Depth>6.50"
Tc=6.0 min CN=83 Runoff=4.49 cfs 0.319 af

Subcatchment86S: P3TT Runoff Area=13,926 sf 63.97% Impervious Runoff Depth>5.90"
Tc=6.0 min CN=78 Runoff=2.26 cfs 0.157 af

Subcatchment87S: P3A Runoff Area=2,273 sf 80.20% Impervious Runoff Depth>7.60"
Tc=6.0 min CN=93 Runoff=0.44 cfs 0.033 af

Subcatchment88S: P3B Runoff Area=4,538 sf 76.91% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=0.87 cfs 0.065 af

Subcatchment89S: P3AAA Runoff Area=6,945 sf 74.64% Impervious Runoff Depth>6.50"
Tc=6.0 min CN=83 Runoff=1.21 cfs 0.086 af

Subcatchment90S: P3BBB Runoff Area=9,141 sf 67.61% Impervious Runoff Depth>6.02"
Tc=6.0 min CN=79 Runoff=1.51 cfs 0.105 af

Subcatchment91S: P3GGG Runoff Area=9,122 sf 66.66% Impervious Runoff Depth>5.90"
Tc=6.0 min CN=78 Runoff=1.48 cfs 0.103 af

Subcatchment92S: P3C Runoff Area=6,128 sf 70.69% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=1.17 cfs 0.087 af

Subcatchment93S: P3D Runoff Area=8,893 sf 71.21% Impervious Runoff Depth>7.40"
Tc=6.0 min CN=91 Runoff=1.69 cfs 0.126 af

Subcatchment94S: P3HHH Runoff Area=9,026 sf 76.76% Impervious Runoff Depth>6.62"
Tc=6.0 min CN=84 Runoff=1.60 cfs 0.114 af

Subcatchment95S: P2X Runoff Area=6,460 sf 100.00% Impervious Runoff Depth>8.00"
Tc=6.0 min CN=98 Runoff=1.27 cfs 0.099 af

Subcatchment97S: P3G Runoff Area=16,665 sf 73.17% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=3.19 cfs 0.239 af

Subcatchment98S: P3H Runoff Area=11,218 sf 68.08% Impervious Runoff Depth>7.29"
Tc=6.0 min CN=90 Runoff=2.12 cfs 0.157 af

Subcatchment102S: P3J Runoff Area=14,925 sf 64.21% Impervious Runoff Depth>7.18"
Tc=6.0 min CN=89 Runoff=2.79 cfs 0.205 af

Subcatchment103S: P3I Runoff Area=21,963 sf 74.80% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=4.21 cfs 0.315 af

Subcatchment107S: P3E Runoff Area=17,242 sf 64.26% Impervious Runoff Depth>7.18"
Tc=6.0 min CN=89 Runoff=3.22 cfs 0.237 af

Subcatchment108S: P3F Runoff Area=19,891 sf 64.44% Impervious Runoff Depth>7.18"
Tc=6.0 min CN=89 Runoff=3.72 cfs 0.273 af

Subcatchment109S: P3T Runoff Area=11,178 sf 83.40% Impervious Runoff Depth>7.69"
Tc=6.0 min CN=94 Runoff=2.17 cfs 0.165 af

Subcatchment110S: P3U Runoff Area=14,474 sf 76.35% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=2.77 cfs 0.208 af

Subcatchment111S: P3V Runoff Area=14,345 sf 82.49% Impervious Runoff Depth>7.69"
Tc=6.0 min CN=94 Runoff=2.78 cfs 0.211 af

Subcatchment112S: P3W Runoff Area=8,601 sf 91.64% Impervious Runoff Depth>7.86"
Tc=6.0 min CN=96 Runoff=1.68 cfs 0.129 af

Subcatchment125S: P3EE Runoff Area=23,054 sf 81.18% Impervious Runoff Depth>6.96"
Tc=6.0 min CN=87 Runoff=4.23 cfs 0.307 af

Subcatchment 126S: P3FF Runoff Area=17,312 sf 70.10% Impervious Runoff Depth>6.14"
Tc=6.0 min CN=80 Runoff=2.90 cfs 0.203 af

Subcatchment 127S: P3GG Runoff Area=16,395 sf 53.54% Impervious Runoff Depth>5.06"
Tc=6.0 min CN=71 Runoff=2.33 cfs 0.159 af

Subcatchment 128S: P3HH Runoff Area=15,226 sf 63.87% Impervious Runoff Depth>5.78"
Tc=6.0 min CN=77 Runoff=2.43 cfs 0.168 af

Subcatchment 129S: P3MM Runoff Area=7,841 sf 66.23% Impervious Runoff Depth>5.90"
Tc=6.0 min CN=78 Runoff=1.27 cfs 0.088 af

Subcatchment 130S: P3NN Runoff Area=6,295 sf 72.58% Impervious Runoff Depth>6.38"
Tc=6.0 min CN=82 Runoff=1.09 cfs 0.077 af

Subcatchment 136S: P3II Runoff Area=10,900 sf 80.29% Impervious Runoff Depth>6.85"
Tc=6.0 min CN=86 Runoff=1.98 cfs 0.143 af

Subcatchment 138S: P3JJ Runoff Area=14,214 sf 6.96% Impervious Runoff Depth>1.60"
Flow Length=50' Slope=0.0100 '/' Tc=7.5 min UI Adjusted CN=41 Runoff=0.51 cfs 0.044 af

Subcatchment 140S: P3OO Runoff Area=17,829 sf 65.98% Impervious Runoff Depth>5.90"
Tc=6.0 min CN=78 Runoff=2.90 cfs 0.201 af

Subcatchment 141S: P3PP Runoff Area=25,131 sf 66.17% Impervious Runoff Depth>5.90"
Tc=6.0 min CN=78 Runoff=4.08 cfs 0.284 af

Subcatchment 142S: P3UU Runoff Area=3,331 sf 72.53% Impervious Runoff Depth>6.38"
Tc=6.0 min CN=82 Runoff=0.57 cfs 0.041 af

Subcatchment 143S: P3VV Runoff Area=3,461 sf 73.82% Impervious Runoff Depth>6.50"
Tc=6.0 min CN=83 Runoff=0.61 cfs 0.043 af

Subcatchment 147S: P3QQ Runoff Area=8,544 sf 80.21% Impervious Runoff Depth>6.85"
Tc=6.0 min CN=86 Runoff=1.55 cfs 0.112 af

Subcatchment 149S: P3RR Runoff Area=7,953 sf 10.10% Impervious Runoff Depth>1.71"
Flow Length=50' Slope=0.0100 '/' Tc=7.5 min UI Adjusted CN=42 Runoff=0.31 cfs 0.026 af

Subcatchment 151S: P3ZZ Runoff Area=6,359 sf 79.60% Impervious Runoff Depth>6.85"
Tc=6.0 min CN=86 Runoff=1.15 cfs 0.083 af

Subcatchment 152S: P3YY Runoff Area=5,089 sf 70.43% Impervious Runoff Depth>6.26"
Tc=6.0 min CN=81 Runoff=0.87 cfs 0.061 af

Subcatchment 153S: P3WW Runoff Area=9,574 sf 74.64% Impervious Runoff Depth>6.50"
Tc=6.0 min CN=83 Runoff=1.67 cfs 0.119 af

Subcatchment 154S: P3XX Runoff Area=4,702 sf 90.07% Impervious Runoff Depth>7.50"
Tc=6.0 min CN=92 Runoff=0.90 cfs 0.067 af

Subcatchment 155S: P3CCC Runoff Area=13,537 sf 63.37% Impervious Runoff Depth>5.66"
Tc=6.0 min CN=76 Runoff=2.12 cfs 0.147 af

Subcatchment 156S: P3DDD Runoff Area=17,001 sf 63.16% Impervious Runoff Depth>5.66"
Tc=6.0 min CN=76 Runoff=2.67 cfs 0.184 af

Subcatchment 165S: P3FFF Runoff Area=10,066 sf 30.05% Impervious Runoff Depth>3.40"
Tc=6.0 min CN=57 Runoff=0.97 cfs 0.065 af

Subcatchment 166S: P3EEE Runoff Area=9,100 sf 65.78% Impervious Runoff Depth>5.90"
Tc=6.0 min CN=78 Runoff=1.48 cfs 0.103 af

Subcatchment 170S: P3JJJ Runoff Area=13,803 sf 75.85% Impervious Runoff Depth>6.62"
Tc=6.0 min CN=84 Runoff=2.45 cfs 0.175 af

Subcatchment 171S: P3III Runoff Area=5,653 sf 71.18% Impervious Runoff Depth>6.26"
Tc=6.0 min CN=81 Runoff=0.96 cfs 0.068 af

Subcatchment 175S: P3KKK Runoff Area=13,904 sf 64.43% Impervious Runoff Depth>5.78"
Tc=6.0 min CN=77 Runoff=2.22 cfs 0.154 af

Subcatchment 176S: P3LLL Runoff Area=6,640 sf 60.77% Impervious Runoff Depth>5.54"
Tc=6.0 min CN=75 Runoff=1.02 cfs 0.070 af

Subcatchment 182S: P3MMM Runoff Area=5,111 sf 57.03% Impervious Runoff Depth>5.30"
Tc=6.0 min CN=73 Runoff=0.76 cfs 0.052 af

Subcatchment 183S: P3NNN Runoff Area=9,871 sf 61.54% Impervious Runoff Depth>5.54"
Tc=6.0 min CN=75 Runoff=1.52 cfs 0.105 af

Subcatchment 184S: P3OOO Runoff Area=8,647 sf 57.72% Impervious Runoff Depth>5.30"
Tc=6.0 min CN=73 Runoff=1.28 cfs 0.088 af

Subcatchment 185S: P3PPP Runoff Area=4,572 sf 75.17% Impervious Runoff Depth>6.50"
Tc=6.0 min CN=83 Runoff=0.80 cfs 0.057 af

Subcatchment 186S: P3QQQ Runoff Area=6,874 sf 54.66% Impervious Runoff Depth>4.94"
Tc=6.0 min CN=70 Runoff=0.96 cfs 0.065 af

Subcatchment 187S: P3RRR Runoff Area=12,294 sf 69.07% Impervious Runoff Depth>6.14"
Tc=6.0 min CN=80 Runoff=2.06 cfs 0.144 af

Subcatchment 189S: (new Subcat) Runoff Area=179,843 sf 4.59% Impervious Runoff Depth>2.92"
Flow Length=322' Tc=20.8 min UI Adjusted CN=53 Runoff=9.84 cfs 1.003 af

Subcatchment 190S: (new Subcat) Runoff Area=12,078 sf 85.87% Impervious Runoff Depth>7.29"
Tc=6.0 min CN=90 Runoff=2.28 cfs 0.168 af

Subcatchment 191S: P3SSS Runoff Area=7,482 sf 31.70% Impervious Runoff Depth>2.93"
Tc=6.0 min CN=53 Runoff=0.61 cfs 0.042 af

Subcatchment 192S: P3TTT Runoff Area=4,075 sf 74.38% Impervious Runoff Depth>6.50"
Tc=6.0 min CN=83 Runoff=0.71 cfs 0.051 af

Subcatchment 195S: P3UUU Runoff Area=14,624 sf 80.22% Impervious Runoff Depth>6.85"
Tc=6.0 min CN=86 Runoff=2.65 cfs 0.192 af

Subcatchment 198S: P3VVV Runoff Area=12,434 sf 0.00% Impervious Runoff Depth>1.39"
Tc=6.0 min CN=39 Runoff=0.39 cfs 0.033 af

Subcatchment 202S: (new Subcat) Runoff Area=26,038 sf 46.07% Impervious Runoff Depth>4.46"
Tc=6.0 min CN=66 Runoff=3.29 cfs 0.222 af

Subcatchment 204S: (new Subcat) Runoff Area=149,084 sf 3.60% Impervious Runoff Depth>1.09"
Flow Length=135' Tc=8.1 min UI Adjusted CN=36 Runoff=2.91 cfs 0.312 af

Subcatchment 205S: (new Subcat) Runoff Area=9,322 sf 64.54% Impervious Runoff Depth>5.78"
Tc=6.0 min CN=77 Runoff=1.49 cfs 0.103 af

Subcatchment 206S: (new Subcat) Runoff Area=15,098 sf 0.00% Impervious Runoff Depth>1.39"
Tc=6.0 min CN=39 Runoff=0.48 cfs 0.040 af

Subcatchment 207S: (new Subcat) Runoff Area=21,068 sf 16.33% Impervious Runoff Depth>1.39"
Flow Length=156' Tc=15.7 min UI Adjusted CN=39 Runoff=0.49 cfs 0.056 af

Subcatchment 216S: (new Subcat) Runoff Area=6,486 sf 77.32% Impervious Runoff Depth>6.73"
Tc=6.0 min CN=85 Runoff=1.16 cfs 0.084 af

Pond 15P: Inf. Basin 5 Peak Elev=60.48' Storage=26,758 cf Inflow=20.47 cfs 1.532 af
Discarded=0.35 cfs 0.287 af Primary=11.09 cfs 0.927 af Outflow=11.44 cfs 1.213 af

Pond 16P: CB 58 Peak Elev=62.91' Inflow=1.47 cfs 0.114 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=1.47 cfs 0.114 af

Pond 17P: CB 59 Peak Elev=63.73' Inflow=3.18 cfs 0.238 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=3.18 cfs 0.238 af

Pond 18P: CB 63 Peak Elev=64.57' Inflow=1.14 cfs 0.084 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0077 '/' Outflow=1.14 cfs 0.084 af

Pond 19P: CB 62 Peak Elev=64.32' Inflow=0.54 cfs 0.041 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.54 cfs 0.041 af

Pond 20P: DMH 43 Peak Elev=64.82' Inflow=4.65 cfs 0.352 af
12.0" Round Culvert n=0.013 L=66.0' S=0.0050 '/' Outflow=4.65 cfs 0.352 af

Pond 21P: DMH 42 Peak Elev=64.39' Inflow=4.65 cfs 0.352 af
12.0" Round Culvert n=0.013 L=71.0' S=0.0052 '/' Outflow=4.65 cfs 0.352 af

Pond 22P: CB 56 Peak Elev=61.86' Inflow=1.08 cfs 0.084 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=1.08 cfs 0.084 af

Pond 23P: CB 57 Peak Elev=62.49' Inflow=2.66 cfs 0.202 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=2.66 cfs 0.202 af

Pond 24P: DMH 41 Peak Elev=63.31' Inflow=8.39 cfs 0.638 af
18.0" Round Culvert n=0.013 L=55.0' S=0.0322 '/' Outflow=8.39 cfs 0.638 af

Pond 25P: DMH 45 Peak Elev=64.50' Inflow=1.68 cfs 0.124 af
12.0" Round Culvert n=0.013 L=148.0' S=0.0100 '/' Outflow=1.68 cfs 0.124 af

Pond 26P: CB 61 Peak Elev=63.37' Inflow=2.18 cfs 0.161 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=2.18 cfs 0.161 af

Pond 27P: CB 60 Peak Elev=62.91' Inflow=0.92 cfs 0.068 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0077 '/' Outflow=0.92 cfs 0.068 af

Pond 28P: DMH 44 Peak Elev=65.14' Inflow=4.77 cfs 0.354 af
12.0" Round Culvert n=0.013 L=85.0' S=0.0338 '/' Outflow=4.77 cfs 0.354 af

Pond 29P: DMH 40 Peak Elev=61.47' Inflow=13.86 cfs 1.044 af
24.0" Round Culvert n=0.013 L=25.0' S=0.0120 '/' Outflow=13.86 cfs 1.044 af

Pond 30P: CB 55 Peak Elev=60.71' Inflow=0.70 cfs 0.053 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0667 '/' Outflow=0.70 cfs 0.053 af

Pond 31P: CB 51 Peak Elev=60.67' Inflow=0.38 cfs 0.029 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.38 cfs 0.029 af

Pond 32P: CB 52 Peak Elev=61.25' Inflow=1.89 cfs 0.143 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=1.89 cfs 0.143 af

Pond 33P: CB 53 Peak Elev=61.11' Inflow=0.38 cfs 0.030 af
12.0" Round Culvert n=0.013 L=9.0' S=0.1111 '/' Outflow=0.38 cfs 0.030 af

Pond 34P: DMH 36 Peak Elev=61.18' Inflow=2.27 cfs 0.172 af
12.0" Round Culvert n=0.013 L=67.0' S=0.0051 '/' Outflow=2.27 cfs 0.172 af

Pond 35P: DMH 37 Peak Elev=61.02' Inflow=2.66 cfs 0.202 af
12.0" Round Culvert n=0.013 L=52.0' S=0.0050 '/' Outflow=2.66 cfs 0.202 af

Pond 36P: CB 54 Peak Elev=61.03' Inflow=1.71 cfs 0.132 af
12.0" Round Culvert n=0.013 L=7.0' S=0.1143 '/' Outflow=1.71 cfs 0.132 af

Pond 37P: DMH 38 Peak Elev=62.15' Inflow=4.36 cfs 0.334 af
12.0" Round Culvert n=0.013 L=94.0' S=0.0050 '/' Outflow=4.36 cfs 0.334 af

Pond 38P: DMH 39 Peak Elev=62.05' Inflow=18.22 cfs 1.378 af
24.0" Round Culvert n=0.013 L=68.0' S=0.0254 '/' Outflow=18.22 cfs 1.378 af

Pond 41P: CB 49 Peak Elev=58.74' Inflow=0.19 cfs 0.015 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.19 cfs 0.015 af

Pond 42P: CB 50 Peak Elev=59.30' Inflow=1.50 cfs 0.111 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=1.50 cfs 0.111 af

Pond 43P: DMH 35 Peak Elev=59.12' Inflow=1.69 cfs 0.126 af
12.0" Round Culvert n=0.013 L=87.0' S=0.0414 '/' Outflow=1.69 cfs 0.126 af

Pond 46P: CB 48 Peak Elev=56.10' Inflow=2.68 cfs 0.191 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=2.68 cfs 0.191 af

Pond 47P: CB 47 Peak Elev=55.45' Inflow=1.03 cfs 0.080 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.03 cfs 0.080 af

Pond 48P: DMH 33 Peak Elev=56.64' Inflow=3.71 cfs 0.270 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=3.71 cfs 0.270 af

Pond 49P: Sub. Inf. 4 Peak Elev=57.27' Storage=0.156 af Inflow=9.97 cfs 0.731 af
Discarded=0.14 cfs 0.128 af Primary=9.99 cfs 0.490 af Outflow=10.13 cfs 0.618 af

Pond 52P: CB 20 Peak Elev=51.80' Inflow=1.29 cfs 0.088 af
12.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Outflow=1.29 cfs 0.088 af

Pond 53P: CB 21 Peak Elev=53.15' Inflow=3.72 cfs 0.258 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0083 '/' Outflow=3.72 cfs 0.258 af

Pond 54P: DMH 15 Peak Elev=54.53' Inflow=5.00 cfs 0.346 af
12.0" Round Culvert n=0.013 L=104.0' S=0.0050 '/' Outflow=5.00 cfs 0.346 af

Pond 55P: DMH 16 Peak Elev=53.48' Inflow=5.00 cfs 0.346 af
12.0" Round Culvert n=0.013 L=35.0' S=0.0051 '/' Outflow=5.00 cfs 0.346 af

Pond 56P: Inf. Basin 4 Peak Elev=52.66' Storage=6,382 cf Inflow=5.32 cfs 0.408 af
Discarded=1.00 cfs 0.408 af Secondary=0.00 cfs 0.000 af Outflow=1.00 cfs 0.408 af

Pond 60P: Sub. Det. 1 Peak Elev=63.46' Storage=0.201 af Inflow=16.42 cfs 1.217 af
Outflow=11.05 cfs 1.128 af

Pond 61P: CB 8 Peak Elev=50.90' Inflow=0.76 cfs 0.052 af
12.0" Round Culvert n=0.013 L=28.0' S=0.0500 '/' Outflow=0.76 cfs 0.052 af

Pond 62P: CB 66 Peak Elev=61.18' Inflow=1.24 cfs 0.093 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=1.24 cfs 0.093 af

Pond 63P: CB 67 Peak Elev=60.90' Inflow=0.29 cfs 0.022 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0214 '/' Outflow=0.29 cfs 0.022 af

Pond 64P: DMH 47 Peak Elev=63.42' Inflow=5.03 cfs 0.374 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=5.03 cfs 0.374 af

Pond 65P: DMH 49 Peak Elev=59.71' Inflow=2.15 cfs 0.164 af
12.0" Round Culvert n=0.013 L=59.0' S=0.0119 '/' Outflow=2.15 cfs 0.164 af

Pond 66P: CB 68 Peak Elev=59.67' Inflow=1.37 cfs 0.104 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=1.37 cfs 0.104 af

Pond 67P: CB 69 Peak Elev=59.45' Inflow=0.77 cfs 0.060 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.77 cfs 0.060 af

Pond 68P: Sub. Inf. 5 Peak Elev=61.65' Storage=0.054 af Inflow=5.03 cfs 0.374 af
Discarded=0.07 cfs 0.072 af Primary=4.07 cfs 0.263 af Outflow=4.14 cfs 0.335 af

Pond 69P: CB 72 Peak Elev=62.45' Inflow=2.03 cfs 0.151 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0600 '/' Outflow=2.03 cfs 0.151 af

Pond 70P: CB 73 Peak Elev=62.19' Inflow=1.28 cfs 0.096 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0600 '/' Outflow=1.28 cfs 0.096 af

Pond 71P: DMH 54 Peak Elev=62.53' Inflow=3.31 cfs 0.247 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=3.31 cfs 0.247 af

Pond 72P: Sub. Inf. 7 Peak Elev=62.45' Storage=0.042 af Inflow=3.31 cfs 0.247 af
Discarded=0.07 cfs 0.063 af Primary=3.21 cfs 0.158 af Outflow=3.28 cfs 0.221 af

Pond 73P: CB 64 Peak Elev=62.07' Inflow=2.07 cfs 0.153 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=2.07 cfs 0.153 af

Pond 74P: CB 65 Peak Elev=61.84' Inflow=1.43 cfs 0.106 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0133 '/' Outflow=1.43 cfs 0.106 af

Pond 75P: DMH 46 Peak Elev=62.92' Inflow=3.50 cfs 0.259 af
12.0" Round Culvert n=0.013 L=118.0' S=0.0051 '/' Outflow=3.50 cfs 0.259 af

Pond 76P: CB 70 Peak Elev=58.99' Inflow=1.56 cfs 0.116 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=1.56 cfs 0.116 af

Pond 77P: CB 71 Peak Elev=58.73' Inflow=0.83 cfs 0.064 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0100 '/' Outflow=0.83 cfs 0.064 af

Pond 78P: DMH 50 Peak Elev=59.17' Inflow=4.54 cfs 0.344 af
18.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=4.54 cfs 0.344 af

Pond 79P: DMH 51 Peak Elev=59.09' Inflow=5.82 cfs 0.443 af
18.0" Round Culvert n=0.013 L=148.0' S=0.0047 '/' Outflow=5.82 cfs 0.443 af

Pond 80P: DMH 52 Peak Elev=58.30' Inflow=5.82 cfs 0.443 af
18.0" Round Culvert n=0.013 L=104.0' S=0.0052 '/' Outflow=5.82 cfs 0.443 af

Pond 81P: DMH 53 Peak Elev=57.66' Inflow=5.82 cfs 0.443 af
18.0" Round Culvert n=0.013 L=60.0' S=0.0195 '/' Outflow=5.82 cfs 0.443 af

Pond 82P: Constructed Wetland 2 Peak Elev=58.45' Storage=11,040 cf Inflow=8.10 cfs 0.603 af
Outflow=1.91 cfs 0.536 af

Pond 83P: CB 86 Peak Elev=58.75' Inflow=1.47 cfs 0.110 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0227 '/' Outflow=1.47 cfs 0.110 af

Pond 84P: CB 87 Peak Elev=58.79' Inflow=1.59 cfs 0.120 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0227 '/' Outflow=1.59 cfs 0.120 af

Pond 85P: DMH 65 Peak Elev=59.20' Inflow=3.07 cfs 0.230 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=3.07 cfs 0.230 af

Pond 86P: Sub. Inf. 6 Peak Elev=63.83' Storage=0.069 af Inflow=4.49 cfs 0.319 af
Discarded=0.09 cfs 0.069 af Primary=4.43 cfs 0.213 af Outflow=4.52 cfs 0.281 af

Pond 87P: CB 85 Peak Elev=62.64' Inflow=1.03 cfs 0.076 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.03 cfs 0.076 af

Pond 88P: CB 84 Peak Elev=62.44' Inflow=0.54 cfs 0.040 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=0.54 cfs 0.040 af

Pond 89P: CB 74 Peak Elev=64.90' Inflow=0.44 cfs 0.033 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.44 cfs 0.033 af

Pond 90P: CB 75 Peak Elev=65.09' Inflow=0.87 cfs 0.065 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.87 cfs 0.065 af

Pond 91P: DMH 55 Peak Elev=65.00' Inflow=1.31 cfs 0.098 af
12.0" Round Culvert n=0.013 L=108.0' S=0.0204 '/' Outflow=1.31 cfs 0.098 af

Pond 92P: DMH 63 Peak Elev=62.58' Inflow=1.57 cfs 0.117 af
12.0" Round Culvert n=0.013 L=120.0' S=0.0292 '/' Outflow=1.57 cfs 0.117 af

Pond 93P: DMH 62 Peak Elev=60.57' Inflow=8.57 cfs 0.637 af
18.0" Round Culvert n=0.013 L=84.0' S=0.0065 '/' Outflow=8.57 cfs 0.637 af

Pond 94P: CB 77 Peak Elev=63.53' Inflow=1.69 cfs 0.126 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.69 cfs 0.126 af

Pond 95P: CB 76 Peak Elev=63.35' Inflow=1.17 cfs 0.087 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.17 cfs 0.087 af

Pond 96P: DMH 56 Peak Elev=64.73' Inflow=9.47 cfs 0.706 af
18.0" Round Culvert n=0.013 L=134.0' S=0.0067 '/' Outflow=9.47 cfs 0.706 af

Pond 97P: Sub. Det. 2 Peak Elev=62.49' Storage=0.376 af Inflow=11.64 cfs 0.867 af
Outflow=9.14 cfs 0.566 af

Pond 98P: DMH 61 Peak Elev=61.63' Inflow=7.00 cfs 0.520 af
18.0" Round Culvert n=0.013 L=136.0' S=0.0110 '/' Outflow=7.00 cfs 0.520 af

Pond 99P: CB 81 Peak Elev=64.02' Inflow=2.12 cfs 0.157 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=2.12 cfs 0.157 af

Pond 100P: CB 80 Peak Elev=64.63' Inflow=3.19 cfs 0.239 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=3.19 cfs 0.239 af

Pond 101P: DMH 59 Peak Elev=64.16' Inflow=5.31 cfs 0.396 af
18.0" Round Culvert n=0.013 L=136.0' S=0.0051 '/' Outflow=5.31 cfs 0.396 af

Pond 102P: CB 93 Peak Elev=62.21' Inflow=1.48 cfs 0.110 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=1.48 cfs 0.110 af

Pond 103P: CB 92 Peak Elev=62.66' Inflow=2.61 cfs 0.196 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=2.61 cfs 0.196 af

Pond 104P: CB 83 Peak Elev=62.37' Inflow=2.79 cfs 0.205 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=2.79 cfs 0.205 af

Pond 105P: CB 82 Peak Elev=63.48' Inflow=4.21 cfs 0.315 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=4.21 cfs 0.315 af

Pond 106P: DMH 60 Peak Elev=62.63' Inflow=7.00 cfs 0.520 af
18.0" Round Culvert n=0.013 L=110.0' S=0.0082 '/' Outflow=7.00 cfs 0.520 af

Pond 107P: CB Peak Elev=60.90' Inflow=1.91 cfs 0.140 af
12.0" Round Culvert n=0.013 L=10.0' S=0.1000 '/' Outflow=1.91 cfs 0.140 af

Pond 108P: CB 88 Peak Elev=60.51' Inflow=0.78 cfs 0.059 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0909 '/' Outflow=0.78 cfs 0.059 af

Pond 109P: CB 79 Peak Elev=63.45' Inflow=3.72 cfs 0.273 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=3.72 cfs 0.273 af

Pond 110P: CB 78 Peak Elev=62.59' Inflow=3.22 cfs 0.237 af
15.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=3.22 cfs 0.237 af

Pond 111P: DMH 57 Peak Elev=63.88' Inflow=16.42 cfs 1.217 af
24.0" Round Culvert n=0.013 L=74.0' S=0.0054 '/' Outflow=16.42 cfs 1.217 af

Pond 112P: CB 45 Peak Elev=58.68' Inflow=2.29 cfs 0.165 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=2.29 cfs 0.165 af

Pond 113P: CB 95 Peak Elev=60.88' Inflow=1.68 cfs 0.129 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.68 cfs 0.129 af

Pond 114P: CB 94 Peak Elev=61.36' Inflow=2.78 cfs 0.211 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=2.78 cfs 0.211 af

Pond 115P: CB 91 Peak Elev=60.59' Inflow=2.77 cfs 0.208 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0833 '/' Outflow=2.77 cfs 0.208 af

Pond 116P: CB 90 Peak Elev=60.25' Inflow=2.17 cfs 0.165 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0714 '/' Outflow=2.17 cfs 0.165 af

Pond 117P: DMH 69 Peak Elev=61.68' Inflow=8.56 cfs 0.646 af
18.0" Round Culvert n=0.013 L=140.0' S=0.0050 '/' Outflow=8.56 cfs 0.646 af

Pond 118P: DMH 70 Peak Elev=62.68' Inflow=4.47 cfs 0.341 af
12.0" Round Culvert n=0.013 L=87.0' S=0.0051 '/' Outflow=4.47 cfs 0.341 af

Pond 119P: DMH 66 Peak Elev=62.01' Inflow=11.25 cfs 0.846 af
18.0" Round Culvert n=0.013 L=102.0' S=0.0050 '/' Outflow=11.25 cfs 0.846 af

Pond 120P: DMH 67 Peak Elev=60.68' Inflow=16.19 cfs 1.218 af
24.0" Round Culvert n=0.013 L=40.0' S=0.0213 '/' Outflow=16.19 cfs 1.218 af

Pond 122P: CB 46 Peak Elev=58.70' Inflow=2.28 cfs 0.170 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0063 '/' Outflow=2.28 cfs 0.170 af

Pond 123P: DMH 31 Peak Elev=58.61' Inflow=4.57 cfs 0.335 af
18.0" Round Culvert n=0.013 L=78.0' S=0.0100 '/' Outflow=4.57 cfs 0.335 af

Pond 124P: DMH 32 Peak Elev=57.79' Inflow=4.57 cfs 0.335 af
18.0" Round Culvert n=0.013 L=75.0' S=0.0249 '/' Outflow=4.57 cfs 0.335 af

Pond 125P: CB 36 Peak Elev=55.28' Inflow=1.52 cfs 0.108 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=1.52 cfs 0.108 af

Pond 126P: CB 37 Peak Elev=55.37' Inflow=1.78 cfs 0.128 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=1.78 cfs 0.128 af

Pond 127P: DMH 26 Peak Elev=55.96' Inflow=3.29 cfs 0.236 af
12.0" Round Culvert n=0.013 L=84.0' S=0.0173 '/' Outflow=3.29 cfs 0.236 af

Pond 128P: CB 30 Peak Elev=56.93' Inflow=2.13 cfs 0.148 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=2.13 cfs 0.148 af

Pond 129P: CB 34 Peak Elev=55.30' Inflow=2.90 cfs 0.203 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=2.90 cfs 0.203 af

Pond 130P: CB 32 Peak Elev=56.52' Inflow=4.23 cfs 0.307 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0256 '/' Outflow=4.23 cfs 0.307 af

Pond 131P: CB 35 Peak Elev=55.02' Inflow=2.43 cfs 0.168 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=2.43 cfs 0.168 af

Pond 132P: CB 33 Peak Elev=54.82' Inflow=2.33 cfs 0.159 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=2.33 cfs 0.159 af

Pond 133P: DMH 24 Peak Elev=57.44' Inflow=11.89 cfs 0.837 af
18.0" Round Culvert n=0.013 L=112.0' S=0.0050 '/' Outflow=11.89 cfs 0.837 af

Pond 134P: DMH 25 Peak Elev=57.39' Inflow=5.33 cfs 0.372 af
12.0" Round Culvert n=0.013 L=20.0' S=0.0050 '/' Outflow=5.33 cfs 0.372 af

Pond 135P: Inf. Basin 3 Peak Elev=55.82' Storage=12,609 cf Inflow=14.34 cfs 1.024 af
Discarded=4.14 cfs 1.023 af Primary=0.00 cfs 0.000 af Outflow=4.14 cfs 1.023 af

Pond 136P: CB 38 Peak Elev=54.23' Inflow=1.27 cfs 0.088 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=1.27 cfs 0.088 af

Pond 137P: CB Peak Elev=54.43' Inflow=1.98 cfs 0.143 af
12.0" Round Culvert n=0.013 L=70.0' S=0.0071 '/' Outflow=1.98 cfs 0.143 af

Pond 138P: CB 39 Peak Elev=54.16' Inflow=1.09 cfs 0.077 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=1.09 cfs 0.077 af

Pond 139P: DMH 28 Peak Elev=54.42' Inflow=2.36 cfs 0.165 af
12.0" Round Culvert n=0.013 L=99.0' S=0.0051 '/' Outflow=2.36 cfs 0.165 af

Pond 140P: CB 31 Peak Elev=57.02' Inflow=2.26 cfs 0.157 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0053 '/' Outflow=2.26 cfs 0.157 af

Pond 141P: DMH 23 Peak Elev=58.36' Inflow=4.39 cfs 0.305 af
12.0" Round Culvert n=0.013 L=142.0' S=0.0116 '/' Outflow=4.39 cfs 0.305 af

Pond 142P: CB 40 Peak Elev=51.97' Inflow=2.90 cfs 0.201 af
12.0" Round Culvert n=0.013 L=7.0' S=0.0143 '/' Outflow=2.90 cfs 0.201 af

Pond 143P: CB 41 Peak Elev=52.90' Inflow=4.08 cfs 0.284 af
12.0" Round Culvert n=0.013 L=7.0' S=0.0143 '/' Outflow=4.08 cfs 0.284 af

Pond 144P: DMH 30 Peak Elev=56.28' Inflow=6.98 cfs 0.485 af
12.0" Round Culvert n=0.013 L=73.0' S=0.0051 '/' Outflow=6.98 cfs 0.485 af

Pond 145P: DMH 29 Peak Elev=51.69' Inflow=6.98 cfs 0.485 af
18.0" Round Culvert n=0.013 L=95.0' S=0.0091 '/' Outflow=6.98 cfs 0.485 af

Pond 146P: Inf. Basin 2 Peak Elev=51.59' Storage=9,472 cf Inflow=11.10 cfs 0.791 af
Discarded=3.30 cfs 0.791 af Primary=0.00 cfs 0.000 af Outflow=3.30 cfs 0.791 af

Pond 147P: CB 28 Peak Elev=54.67' Inflow=0.57 cfs 0.041 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0056 '/' Outflow=0.57 cfs 0.041 af

Pond 148P: CB 43 Peak Elev=52.78' Inflow=1.55 cfs 0.112 af
12.0" Round Culvert n=0.013 L=68.0' S=0.0441 '/' Outflow=1.55 cfs 0.112 af

Pond 149P: CB 29 Peak Elev=54.66' Inflow=0.61 cfs 0.043 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0079 '/' Outflow=0.61 cfs 0.043 af

Pond 150P: DMH 22 Peak Elev=57.92' Inflow=5.57 cfs 0.389 af
12.0" Round Culvert n=0.013 L=50.0' S=0.0144 '/' Outflow=5.57 cfs 0.389 af

Pond 151P: CB 22 Peak Elev=53.02' Inflow=1.21 cfs 0.086 af
12.0" Round Culvert n=0.013 L=28.0' S=0.0054 '/' Outflow=1.21 cfs 0.086 af

Pond 152P: CB 23 Peak Elev=53.10' Inflow=1.51 cfs 0.105 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0079 '/' Outflow=1.51 cfs 0.105 af

Pond 153P: DMH 17 Peak Elev=56.47' Inflow=12.89 cfs 0.912 af
18.0" Round Culvert n=0.013 L=94.0' S=0.0053 '/' Outflow=12.89 cfs 0.912 af

Pond 154P: CB 18 Peak Elev=54.09' Inflow=1.60 cfs 0.114 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=1.60 cfs 0.114 af

Pond 155P: CB 27 Peak Elev=55.47' Inflow=1.67 cfs 0.119 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=1.67 cfs 0.119 af

Pond 156P: CB 26 Peak Elev=55.19' Inflow=0.90 cfs 0.067 af
12.0" Round Culvert n=0.013 L=10.0' S=0.0100 '/' Outflow=0.90 cfs 0.067 af

Pond 157P: DMH 21 Peak Elev=55.64' Inflow=2.58 cfs 0.186 af
12.0" Round Culvert n=0.013 L=86.0' S=0.0105 '/' Outflow=2.58 cfs 0.186 af

Pond 158P: CB 24 Peak Elev=54.19' Inflow=0.87 cfs 0.061 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=0.87 cfs 0.061 af

Pond 159P: CB 25 Peak Elev=54.29' Inflow=1.15 cfs 0.083 af
12.0" Round Culvert n=0.013 L=12.0' S=0.0083 '/' Outflow=1.15 cfs 0.083 af

Pond 160P: DMH 20 Peak Elev=56.26' Inflow=4.60 cfs 0.331 af
12.0" Round Culvert n=0.013 L=33.0' S=0.0052 '/' Outflow=4.60 cfs 0.331 af

Pond 161P: DMH 19 Peak Elev=56.16' Inflow=10.16 cfs 0.720 af
18.0" Round Culvert n=0.013 L=100.0' S=0.0098 '/' Outflow=10.16 cfs 0.720 af

Pond 162P: CB 15 Peak Elev=52.34' Inflow=2.67 cfs 0.184 af
12.0" Round Culvert n=0.013 L=14.0' S=0.0143 '/' Outflow=2.67 cfs 0.184 af

Pond 163P: CB 14 Peak Elev=52.12' Inflow=2.12 cfs 0.147 af
12.0" Round Culvert n=0.013 L=22.0' S=0.0050 '/' Outflow=2.12 cfs 0.147 af

Pond 165P: CB 19 Peak Elev=54.05' Inflow=1.48 cfs 0.103 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=1.48 cfs 0.103 af

Pond 166P: DMH 13 Peak Elev=53.83' Inflow=3.06 cfs 0.245 af
12.0" Round Culvert n=0.013 L=92.0' S=0.0050 '/' Outflow=3.06 cfs 0.245 af

Pond 167P: CB 11 Peak Elev=51.55' Inflow=1.48 cfs 0.103 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0105 '/' Outflow=1.48 cfs 0.103 af

Pond 168P: CB 10 Peak Elev=51.37' Inflow=0.97 cfs 0.065 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0182 '/' Outflow=0.97 cfs 0.065 af

Pond 169P: DMH 12 Peak Elev=53.30' Inflow=3.06 cfs 0.245 af
12.0" Round Culvert n=0.013 L=107.0' S=0.0050 '/' Outflow=3.06 cfs 0.245 af

Pond 170P: CB 9 Peak Elev=51.17' Inflow=1.52 cfs 0.105 af
12.0" Round Culvert n=0.013 L=21.0' S=0.0667 '/' Outflow=1.52 cfs 0.105 af

Pond 171P: DMH 6 Peak Elev=52.63' Inflow=11.79 cfs 0.855 af
18.0" Round Culvert n=0.013 L=130.0' S=0.0073 '/' Outflow=11.79 cfs 0.855 af

Pond 172P: CB 16 Peak Elev=53.07' Inflow=2.45 cfs 0.175 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=2.45 cfs 0.175 af

Pond 173P: CB 17 Peak Elev=52.51' Inflow=0.96 cfs 0.068 af
12.0" Round Culvert n=0.013 L=8.0' S=0.0125 '/' Outflow=0.96 cfs 0.068 af

Pond 174P: DMH 11 Peak Elev=52.64' Inflow=6.47 cfs 0.487 af
18.0" Round Culvert n=0.013 L=22.0' S=0.0118 '/' Outflow=6.47 cfs 0.487 af

Pond 175P: DMH 5 Peak Elev=61.20' Inflow=9.32 cfs 0.643 af
12.0" Round Culvert n=0.013 L=103.0' S=0.0050 '/' Outflow=9.32 cfs 0.643 af

Pond 176P: CB 6 Peak Elev=50.51' Inflow=1.28 cfs 0.088 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0133 '/' Outflow=1.28 cfs 0.088 af

Pond 177P: CB 13 Peak Elev=52.32' Inflow=2.22 cfs 0.154 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=2.22 cfs 0.154 af

Pond 178P: CB 12 Peak Elev=51.89' Inflow=1.02 cfs 0.070 af
12.0" Round Culvert n=0.013 L=11.0' S=0.0091 '/' Outflow=1.02 cfs 0.070 af

Pond 179P: DMH 8 Peak Elev=52.79' Inflow=3.24 cfs 0.224 af
12.0" Round Culvert n=0.013 L=70.0' S=0.0050 '/' Outflow=3.24 cfs 0.224 af

Pond 180P: DMH 9 Peak Elev=52.19' Inflow=4.79 cfs 0.331 af
18.0" Round Culvert n=0.013 L=49.0' S=0.0051 '/' Outflow=4.79 cfs 0.331 af

Pond 181P: DMH 7 Peak Elev=60.30' Inflow=7.23 cfs 0.499 af
12.0" Round Culvert n=0.013 L=174.0' S=0.0050 '/' Outflow=7.23 cfs 0.499 af

Pond 182P: CB 7 Peak Elev=50.35' Inflow=0.80 cfs 0.057 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0080 '/' Outflow=0.80 cfs 0.057 af

Pond 185P: DMH 4 Peak Elev=50.21' Inflow=14.43 cfs 1.121 af
24.0" Round Culvert n=0.013 L=36.0' S=0.0208 '/' Outflow=14.43 cfs 1.121 af

Pond 186P: Constructed Wetland 1 Peak Elev=47.40' Storage=2,697 cf Inflow=4.80 cfs 0.342 af
Primary=3.82 cfs 0.316 af Secondary=0.00 cfs 0.000 af Outflow=3.82 cfs 0.316 af

Pond 187P: Constructed Wetland 3 Peak Elev=57.45' Storage=7,841 cf Inflow=11.05 cfs 1.128 af
Outflow=10.79 cfs 0.998 af

Pond 188P: CB 3 Peak Elev=48.58' Inflow=0.96 cfs 0.065 af
12.0" Round Culvert n=0.013 L=30.0' S=0.0167 '/' Outflow=0.96 cfs 0.065 af

Pond 189P: CB 4 Peak Elev=48.97' Inflow=2.06 cfs 0.144 af
12.0" Round Culvert n=0.013 L=19.0' S=0.0263 '/' Outflow=2.06 cfs 0.144 af

Pond 190P: DMH 3 Peak Elev=48.92' Inflow=3.02 cfs 0.209 af
12.0" Round Culvert n=0.013 L=32.0' S=0.0334 '/' Outflow=3.02 cfs 0.209 af

Pond 191P: CB 42 Peak Elev=51.58' Inflow=2.28 cfs 0.168 af
12.0" Round Culvert n=0.013 L=194.0' S=0.0077 '/' Outflow=2.28 cfs 0.168 af

Pond 192P: Sub. Inf. 8 Peak Elev=51.82' Storage=0.021 af Inflow=1.49 cfs 0.103 af
Outflow=0.46 cfs 0.103 af

Pond 193P: CB 1 Peak Elev=47.33' Inflow=0.61 cfs 0.042 af
12.0" Round Culvert n=0.013 L=25.0' S=0.0052 '/' Outflow=0.61 cfs 0.042 af

Pond 194P: CB 2 Peak Elev=47.34' Inflow=0.71 cfs 0.051 af
12.0" Round Culvert n=0.013 L=15.0' S=0.0067 '/' Outflow=0.71 cfs 0.051 af

Pond 195P: Constructed Wetland 4 Peak Elev=56.57' Storage=8,039 cf Inflow=5.20 cfs 1.029 af
Outflow=5.19 cfs 0.883 af

Pond 196P: CB 5 Peak Elev=49.28' Inflow=2.65 cfs 0.192 af
12.0" Round Culvert n=0.013 L=27.0' S=0.0059 '/' Outflow=2.65 cfs 0.192 af

Pond 197P: Inf. Basin 1 Peak Elev=49.71' Storage=21,885 cf Inflow=18.11 cfs 1.470 af
Discarded=4.18 cfs 1.333 af Primary=1.14 cfs 0.136 af Outflow=5.33 cfs 1.469 af

Pond 198P: Sub. Inf. 2 Peak Elev=53.13' Storage=0.141 af Inflow=12.89 cfs 0.912 af
Discarded=6.04 cfs 0.902 af Primary=0.64 cfs 0.010 af Outflow=6.68 cfs 0.911 af

Pond 200P: DMH 1 Peak Elev=47.40' Inflow=1.32 cfs 0.093 af
12.0" Round Culvert n=0.013 L=65.0' S=0.0051 '/' Outflow=1.32 cfs 0.093 af

Pond 201P: Sub. Inf. 3 Peak Elev=54.52' Storage=0.134 af Inflow=8.94 cfs 0.624 af
Discarded=3.07 cfs 0.606 af Primary=0.80 cfs 0.018 af Outflow=3.87 cfs 0.624 af

Pond 202P: DMH 14 Peak Elev=53.26' Inflow=1.38 cfs 0.028 af
18.0" Round Culvert n=0.013 L=89.0' S=0.0055 '/' Outflow=1.38 cfs 0.028 af

Pond 204P: DMH 18 Peak Elev=55.92' Inflow=12.89 cfs 0.912 af
18.0" Round Culvert n=0.013 L=5.0' S=-0.0900 '/' Outflow=12.89 cfs 0.912 af

Pond 205P: DMH 27 Peak Elev=56.77' Inflow=5.65 cfs 0.402 af
12.0" Round Culvert n=0.013 L=16.0' S=0.0063 '/' Outflow=5.65 cfs 0.402 af

Pond 206P: DMH 34 Peak Elev=56.11' Inflow=6.26 cfs 0.461 af
18.0" Round Culvert n=0.013 L=5.0' S=-0.1800 '/' Outflow=6.26 cfs 0.461 af

Pond 207P: DMH 48 Peak Elev=63.22' Inflow=5.03 cfs 0.374 af
12.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=5.03 cfs 0.374 af

Pond 208P: DMH 58 Peak Elev=63.43' Inflow=16.42 cfs 1.217 af
24.0" Round Culvert n=0.013 L=5.0' S=0.0100 '/' Outflow=16.42 cfs 1.217 af

Pond 209P: DMH 64 Peak Elev=59.97' Inflow=8.57 cfs 0.637 af
18.0" Round Culvert n=0.013 L=5.0' S=0.0100 '/' Outflow=8.57 cfs 0.637 af

Pond 210P: DMH 68 Peak Elev=60.68' Inflow=16.19 cfs 1.218 af
24.0" Round Culvert n=0.013 L=11.0' S=0.0727 '/' Outflow=16.19 cfs 1.218 af

Pond 211P: Sub. Inf. 1B Peak Elev=52.51' Storage=0.109 af Inflow=9.71 cfs 0.711 af
Discarded=2.67 cfs 0.601 af Primary=4.30 cfs 0.111 af Outflow=6.97 cfs 0.711 af

Pond 212P: Sub. Inf. 1A Peak Elev=48.91' Storage=0.051 af Inflow=4.97 cfs 0.194 af
Discarded=0.87 cfs 0.120 af Primary=2.56 cfs 0.074 af Outflow=3.44 cfs 0.194 af

Pond 213P: DMH 2 Peak Elev=48.89' Inflow=4.34 cfs 0.302 af
12.0" Round Culvert n=0.013 L=54.0' S=0.0052 '/' Outflow=4.34 cfs 0.302 af

Pond 214P: DMH 4A Peak Elev=49.48' Inflow=4.97 cfs 0.194 af
18.0" Round Culvert n=0.013 L=3.0' S=0.0333 '/' Outflow=4.97 cfs 0.194 af

Pond 215P: CB 5A Peak Elev=49.05' Inflow=1.16 cfs 0.084 af
12.0" Round Culvert n=0.013 L=13.0' S=0.0154 '/' Outflow=1.16 cfs 0.084 af

Pond 216P: CB 8A Peak Elev=50.03' Inflow=0.49 cfs 0.056 af
12.0" Round Culvert n=0.013 L=63.0' S=0.0100 '/' Outflow=0.49 cfs 0.056 af

Pond 217P: DMH 8A Peak Elev=53.44' Inflow=9.71 cfs 0.711 af
18.0" Round Culvert n=0.013 L=5.0' S=0.0200 '/' Outflow=9.71 cfs 0.711 af

Pond 218P: CB A Peak Elev=52.63' Inflow=1.49 cfs 0.103 af
12.0" Round Culvert n=0.013 L=105.0' S=0.0050 '/' Outflow=1.49 cfs 0.103 af

Pond 219P: DMH A Peak Elev=52.05' Inflow=1.49 cfs 0.103 af
12.0" Round Culvert n=0.013 L=60.0' S=0.0057 '/' Outflow=1.49 cfs 0.103 af

Pond 220P: DMH B Peak Elev=51.71' Inflow=1.49 cfs 0.103 af
12.0" Round Culvert n=0.013 L=3.0' S=0.0167 '/' Outflow=1.49 cfs 0.103 af

Pond 221P: Inf. Basin 6 Peak Elev=59.53' Storage=14,850 cf Inflow=16.19 cfs 1.218 af
Discarded=0.29 cfs 0.144 af Primary=5.20 cfs 1.029 af Outflow=5.49 cfs 1.173 af

Link 59L: DP 1 Inflow=27.72 cfs 2.261 af
Primary=27.72 cfs 2.261 af

Link 60L: DP 2 Inflow=21.18 cfs 1.338 af
Primary=21.18 cfs 1.338 af

Link 188L: DP 3 Inflow=34.16 cfs 3.986 af
Primary=34.16 cfs 3.986 af

Link 203L: 3A Inflow=3.51 cfs 0.448 af
Primary=3.51 cfs 0.448 af

Total Runoff Area = 39.842 ac Runoff Volume = 16.021 af Average Runoff Depth = 4.83"
58.01% Pervious = 23.114 ac 41.99% Impervious = 16.728 ac

Summary for Subcatchment 1S: P1A

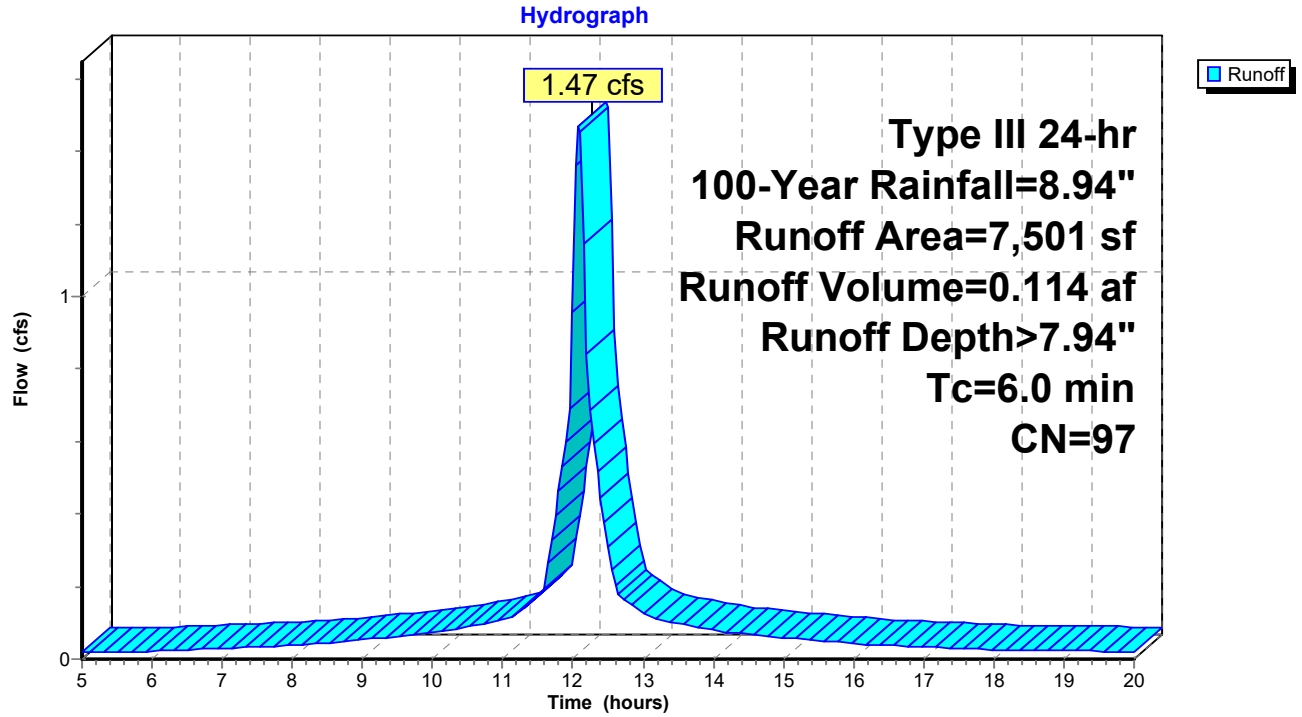
Runoff = 1.47 cfs @ 12.09 hrs, Volume= 0.114 af, Depth> 7.94"
Routed to Pond 16P : CB 58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
254	74	>75% Grass cover, Good, HSG C
1,384	98	Unconnected roofs, HSG C
5,863	98	Paved parking, HSG C
7,501	97	Weighted Average
254		3.39% Pervious Area
7,247		96.61% Impervious Area
1,384		19.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 1S: P1A



Summary for Subcatchment 2S: P1B

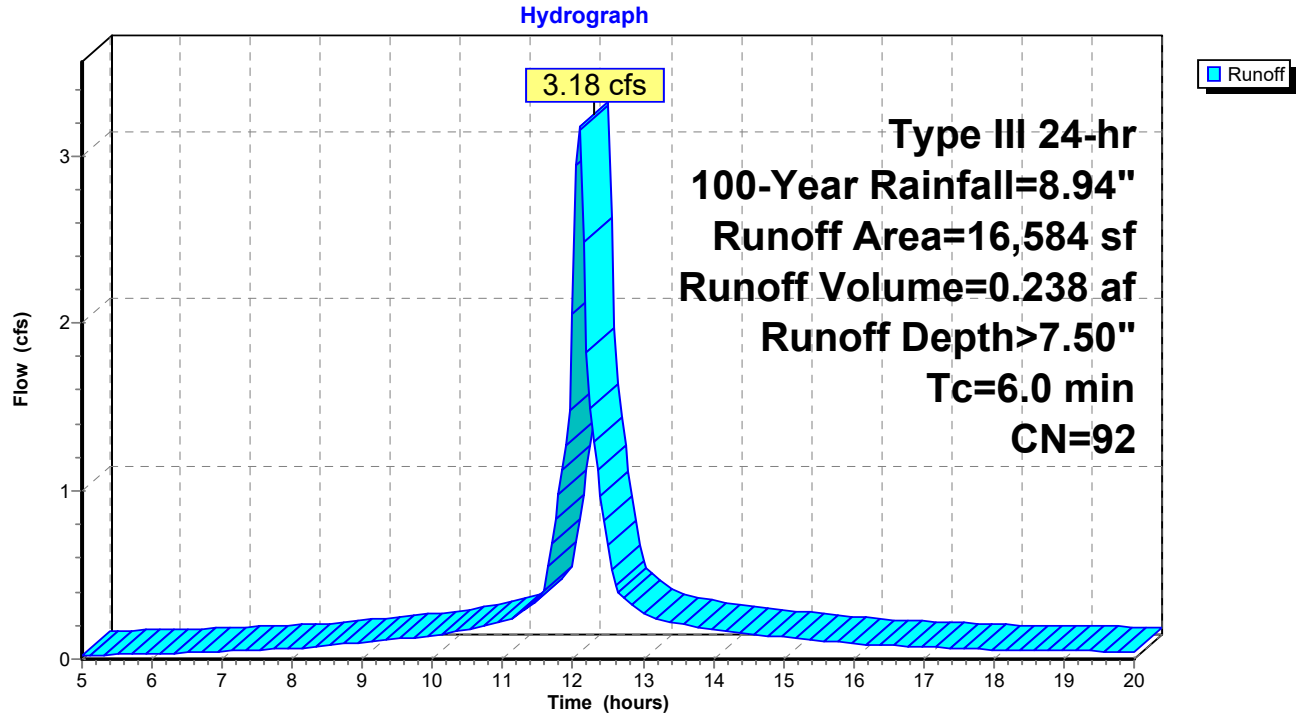
Runoff = 3.18 cfs @ 12.09 hrs, Volume= 0.238 af, Depth> 7.50"
Routed to Pond 17P : CB 59

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
5,226	98	Unconnected roofs, HSG C
4,280	74	>75% Grass cover, Good, HSG C
7,078	98	Paved parking, HSG C
16,584	92	Weighted Average
4,280		25.81% Pervious Area
12,304		74.19% Impervious Area
5,226		42.47% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 2S: P1B



Summary for Subcatchment 3S: P1C

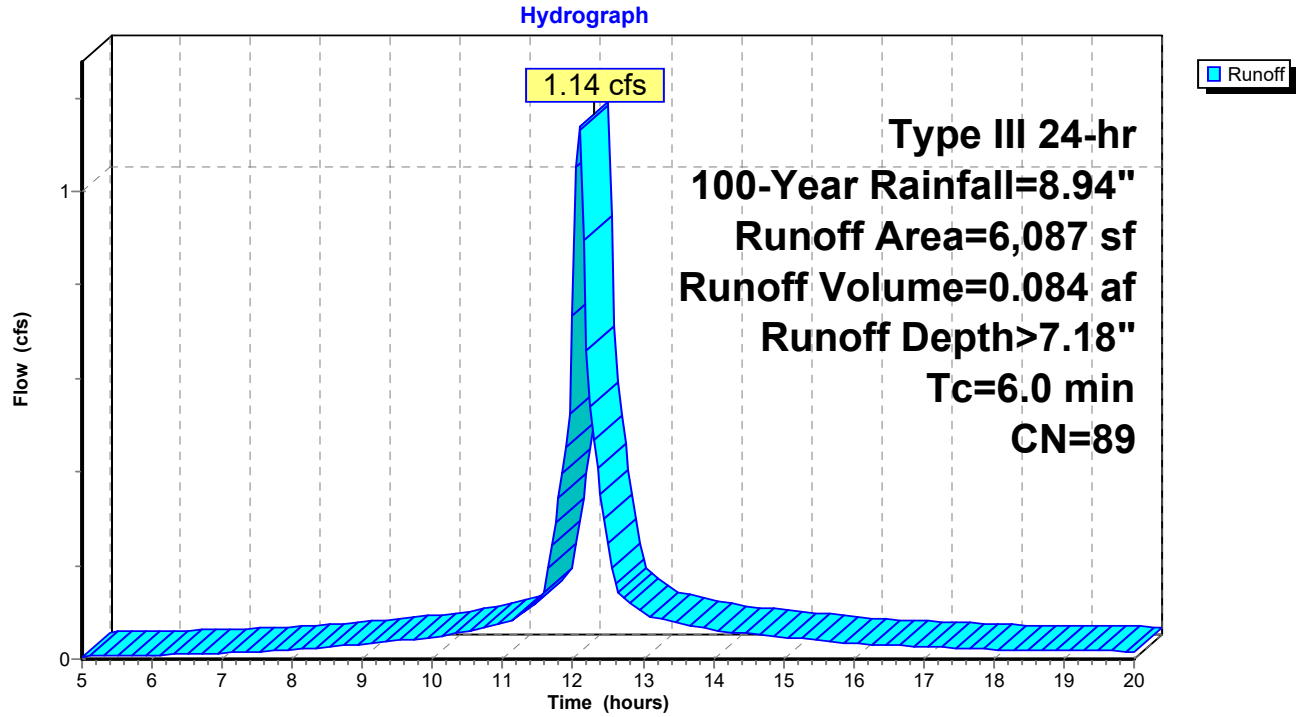
Runoff = 1.14 cfs @ 12.09 hrs, Volume= 0.084 af, Depth> 7.18"
Routed to Pond 18P : CB 63

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,616	98	Unconnected roofs, HSG C
2,173	74	>75% Grass cover, Good, HSG C
2,298	98	Paved parking, HSG C
6,087	89	Weighted Average
2,173		35.70% Pervious Area
3,914		64.30% Impervious Area
1,616		41.29% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 3S: P1C



Summary for Subcatchment 4S: P1D

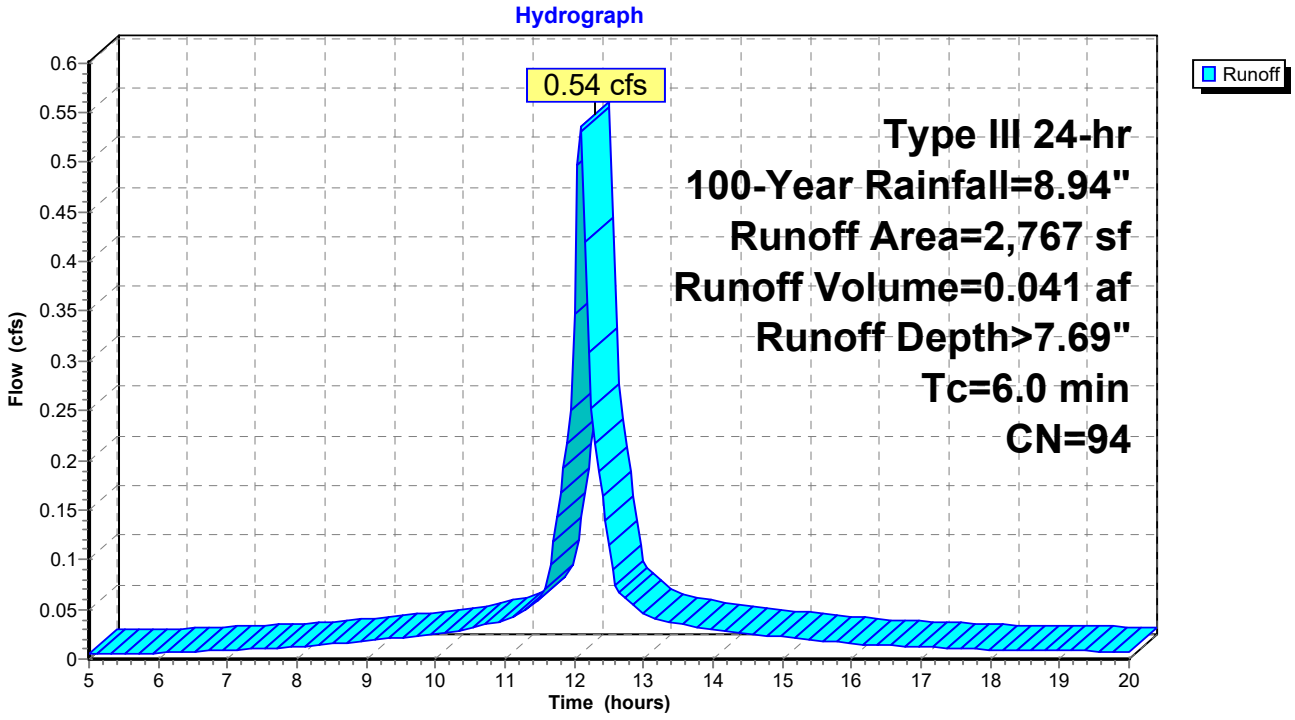
Runoff = 0.54 cfs @ 12.09 hrs, Volume= 0.041 af, Depth> 7.69"
Routed to Pond 19P : CB 62

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
512	74	>75% Grass cover, Good, HSG C
2,255	98	Paved parking, HSG C
2,767	94	Weighted Average
512		18.50% Pervious Area
2,255		81.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 4S: P1D



Summary for Subcatchment 5S: P1E

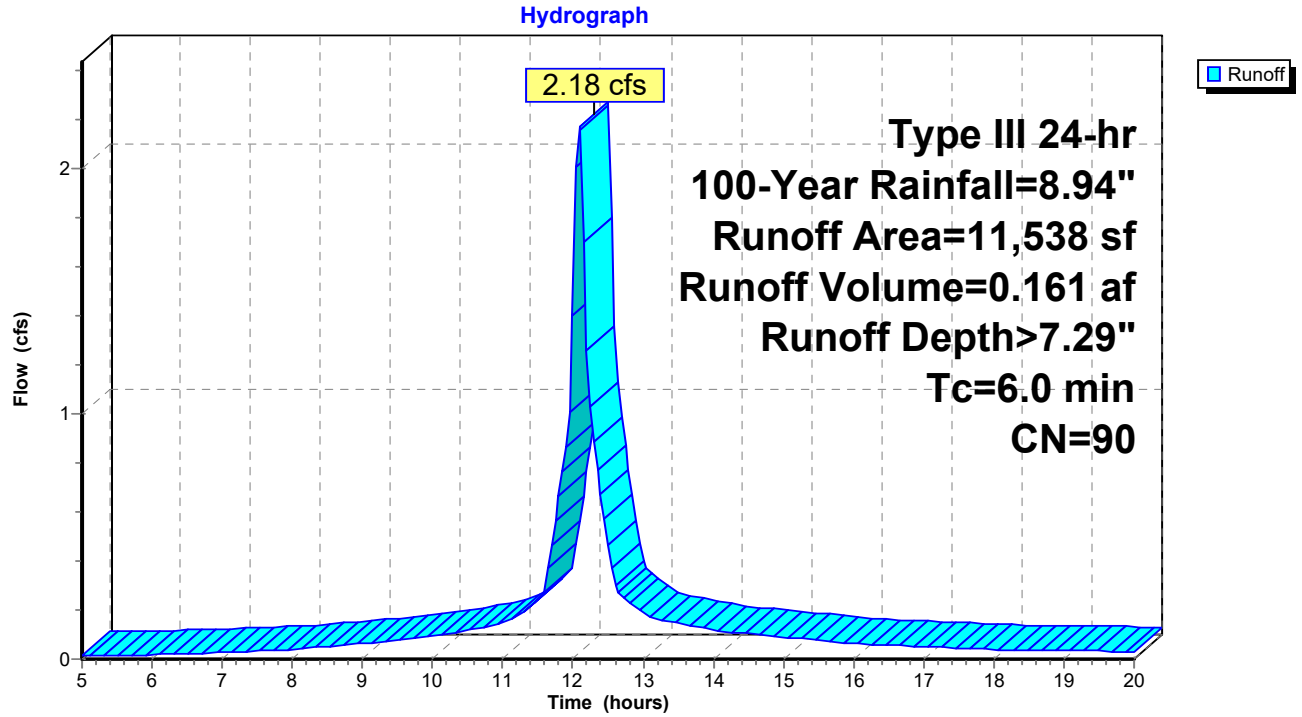
Runoff = 2.18 cfs @ 12.09 hrs, Volume= 0.161 af, Depth> 7.29"
Routed to Pond 26P : CB 61

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,900	74	>75% Grass cover, Good, HSG C
3,976	98	Unconnected roofs, HSG C
3,662	98	Paved parking, HSG C
11,538	90	Weighted Average
3,900		33.80% Pervious Area
7,638		66.20% Impervious Area
3,976		52.06% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 5S: P1E



Summary for Subcatchment 6S: P1F

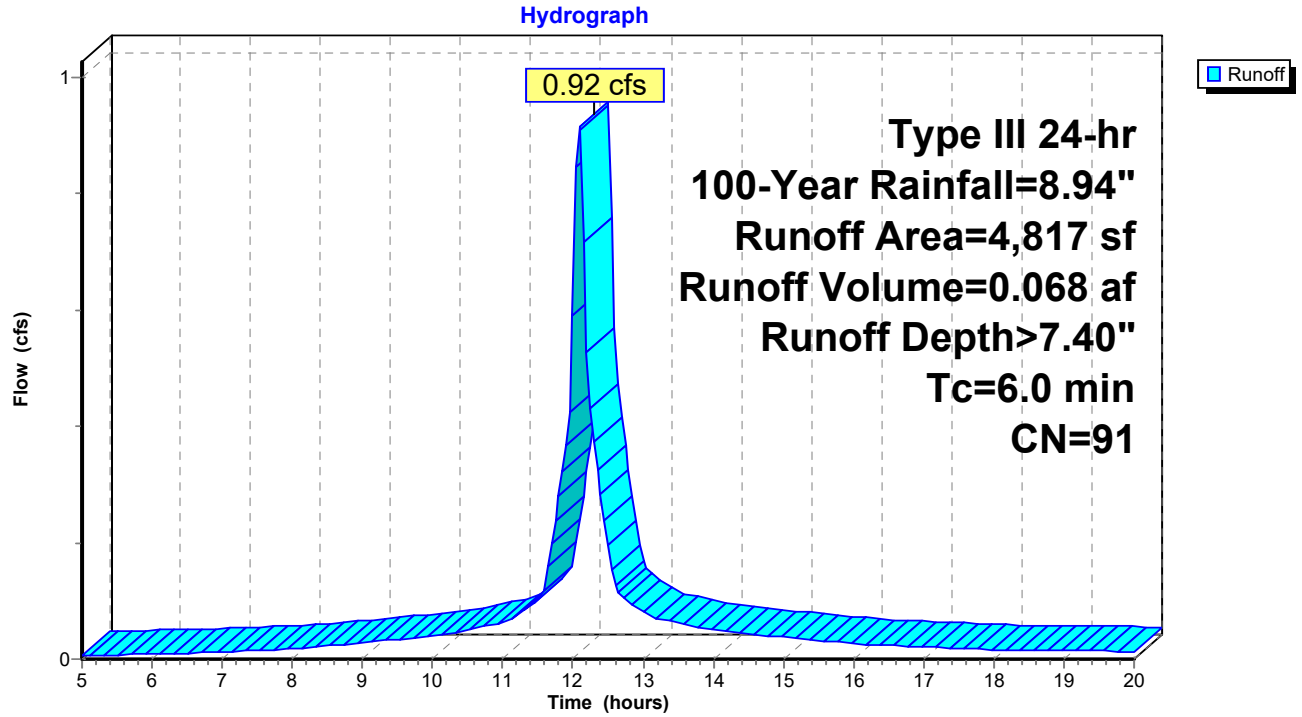
Runoff = 0.92 cfs @ 12.09 hrs, Volume= 0.068 af, Depth> 7.40"
Routed to Pond 27P : CB 60

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,378	74	>75% Grass cover, Good, HSG C
429	98	Unconnected roofs, HSG C
3,010	98	Paved parking, HSG C
4,817	91	Weighted Average
1,378		28.61% Pervious Area
3,439		71.39% Impervious Area
429		12.47% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 6S: P1F



Summary for Subcatchment 7S: P1G

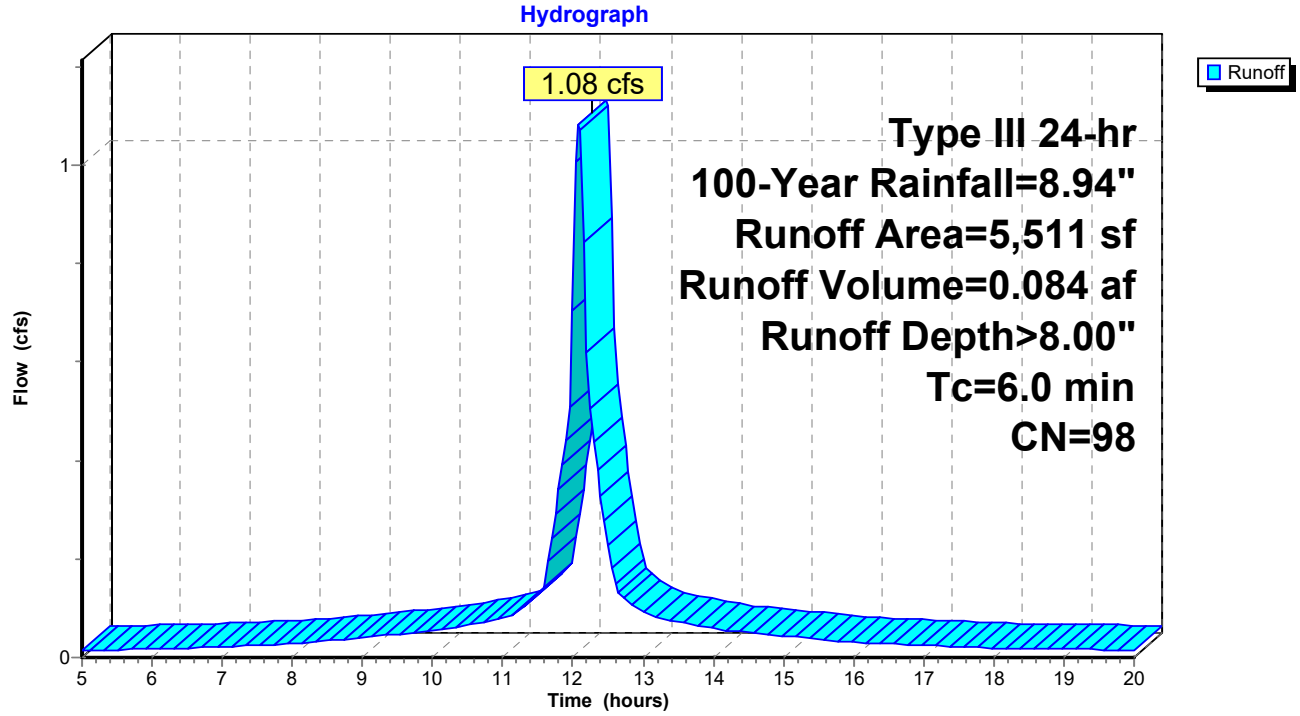
Runoff = 1.08 cfs @ 12.09 hrs, Volume= 0.084 af, Depth> 8.00"
Routed to Pond 22P : CB 56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
5,511	98	Paved parking, HSG C
5,511		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 7S: P1G



Summary for Subcatchment 8S: P1H

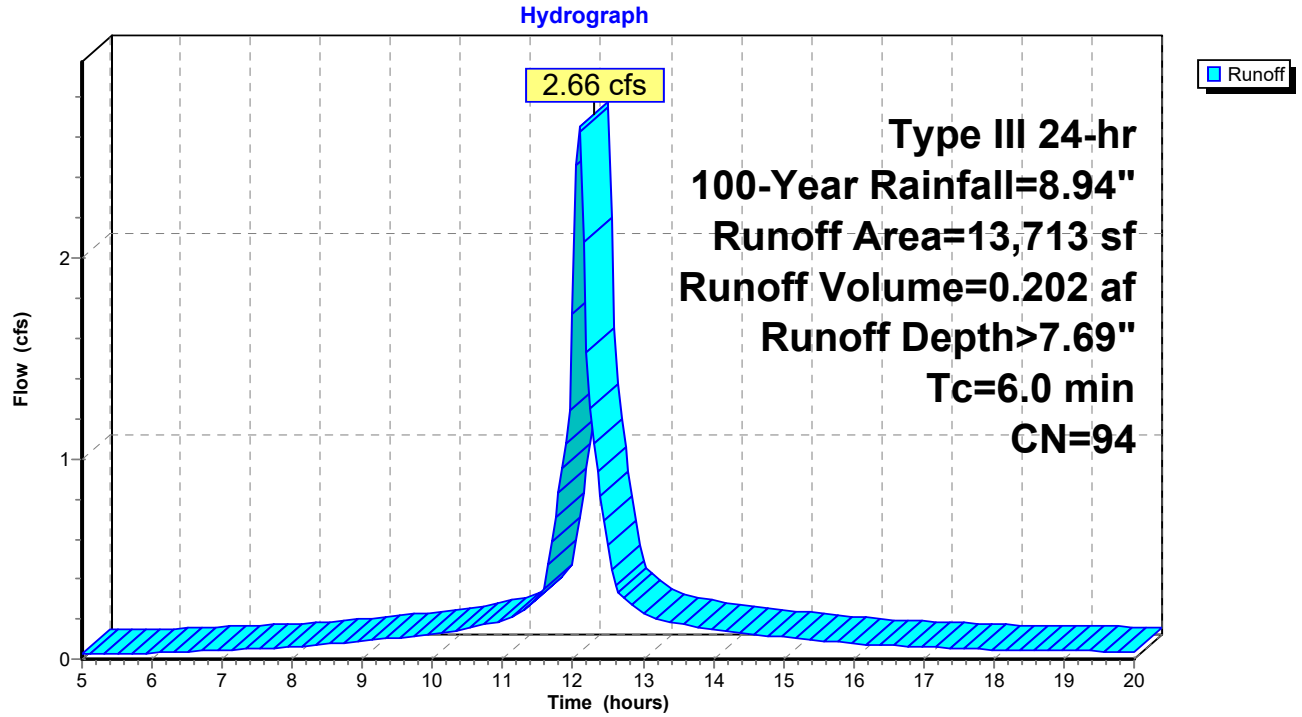
Runoff = 2.66 cfs @ 12.09 hrs, Volume= 0.202 af, Depth> 7.69"
Routed to Pond 23P : CB 57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,554	74	>75% Grass cover, Good, HSG C
5,795	98	Unconnected roofs, HSG C
5,364	98	Paved parking, HSG C
13,713	94	Weighted Average
2,554		18.62% Pervious Area
11,159		81.38% Impervious Area
5,795		51.93% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 8S: P1H



Summary for Subcatchment 9S: P1I

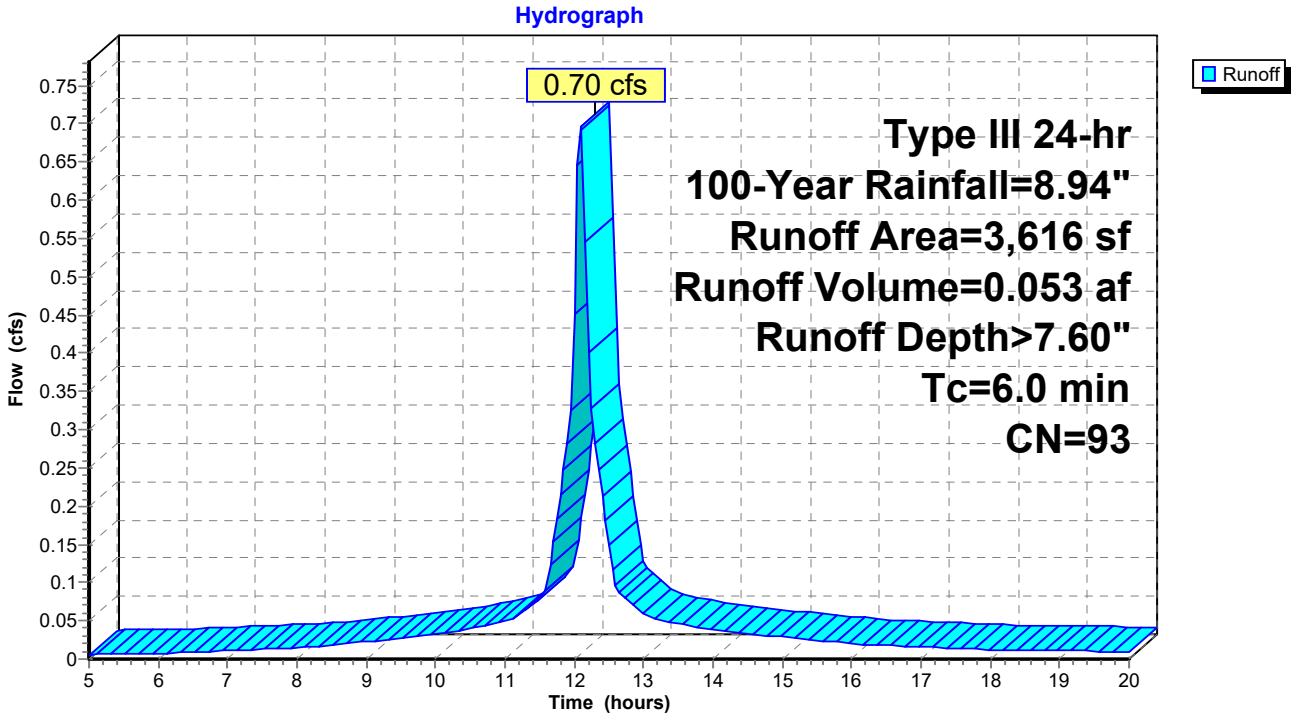
Runoff = 0.70 cfs @ 12.09 hrs, Volume= 0.053 af, Depth> 7.60"
Routed to Pond 30P : CB 55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
780	74	>75% Grass cover, Good, HSG C
2,836	98	Paved parking, HSG C
3,616	93	Weighted Average
780		21.57% Pervious Area
2,836		78.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 9S: P1I



Summary for Subcatchment 10S: P1J

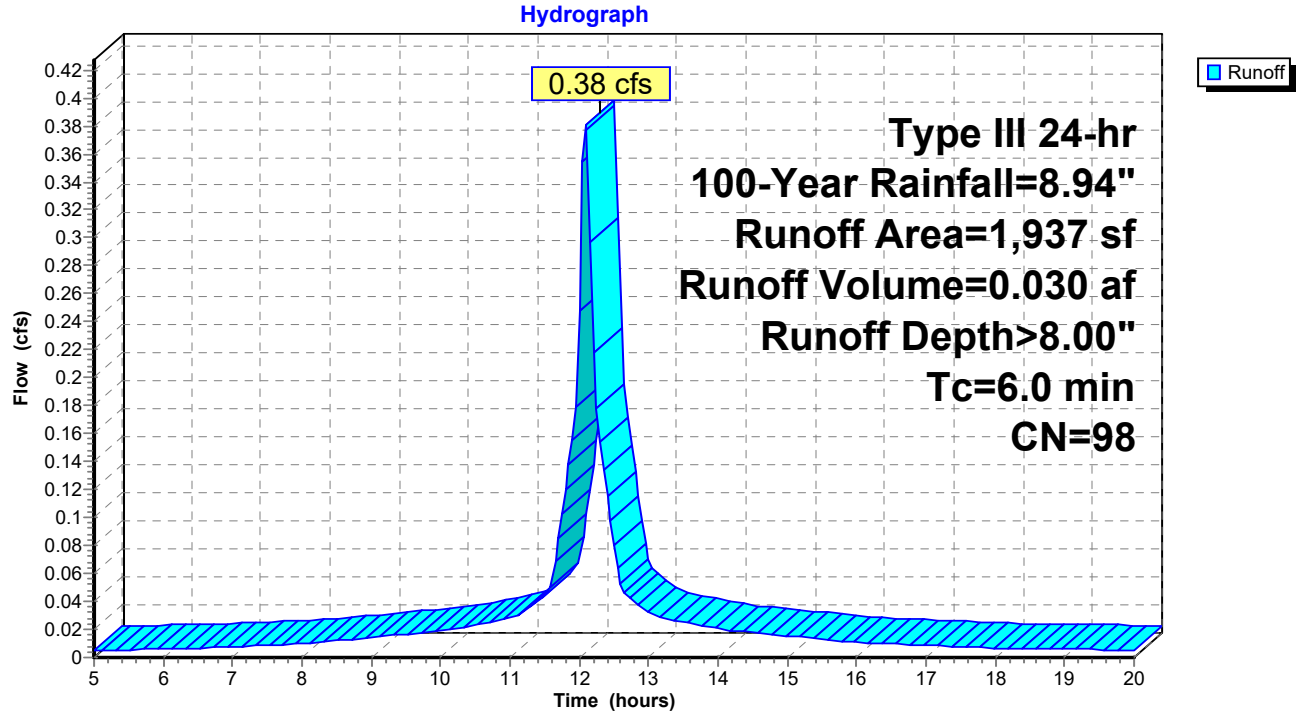
Runoff = 0.38 cfs @ 12.09 hrs, Volume= 0.030 af, Depth> 8.00"
Routed to Pond 33P : CB 53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,937	98	Paved parking, HSG C
1,937		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 10S: P1J



Summary for Subcatchment 11S: P1K

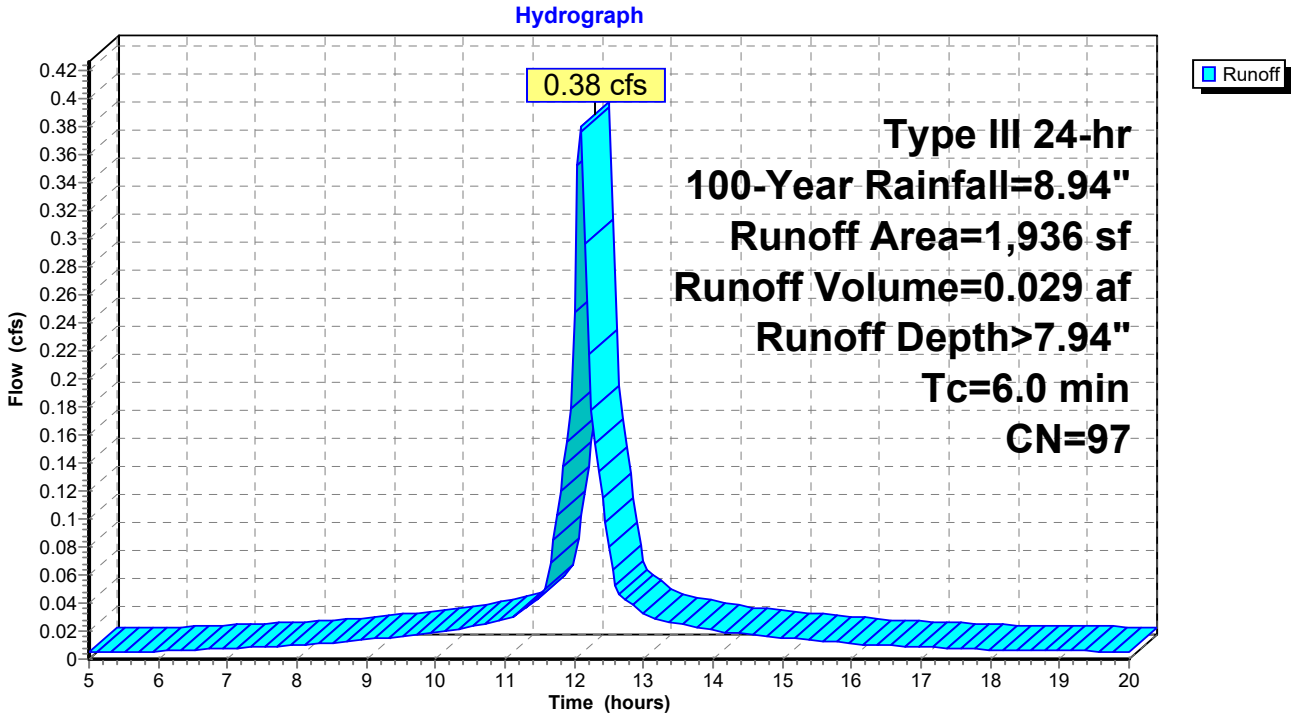
Runoff = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af, Depth> 7.94"
Routed to Pond 31P : CB 51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
61	74	>75% Grass cover, Good, HSG C
354	98	Unconnected roofs, HSG C
1,521	98	Paved parking, HSG C
1,936	97	Weighted Average
61		3.15% Pervious Area
1,875		96.85% Impervious Area
354		18.88% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 11S: P1K



Summary for Subcatchment 12S: P1L

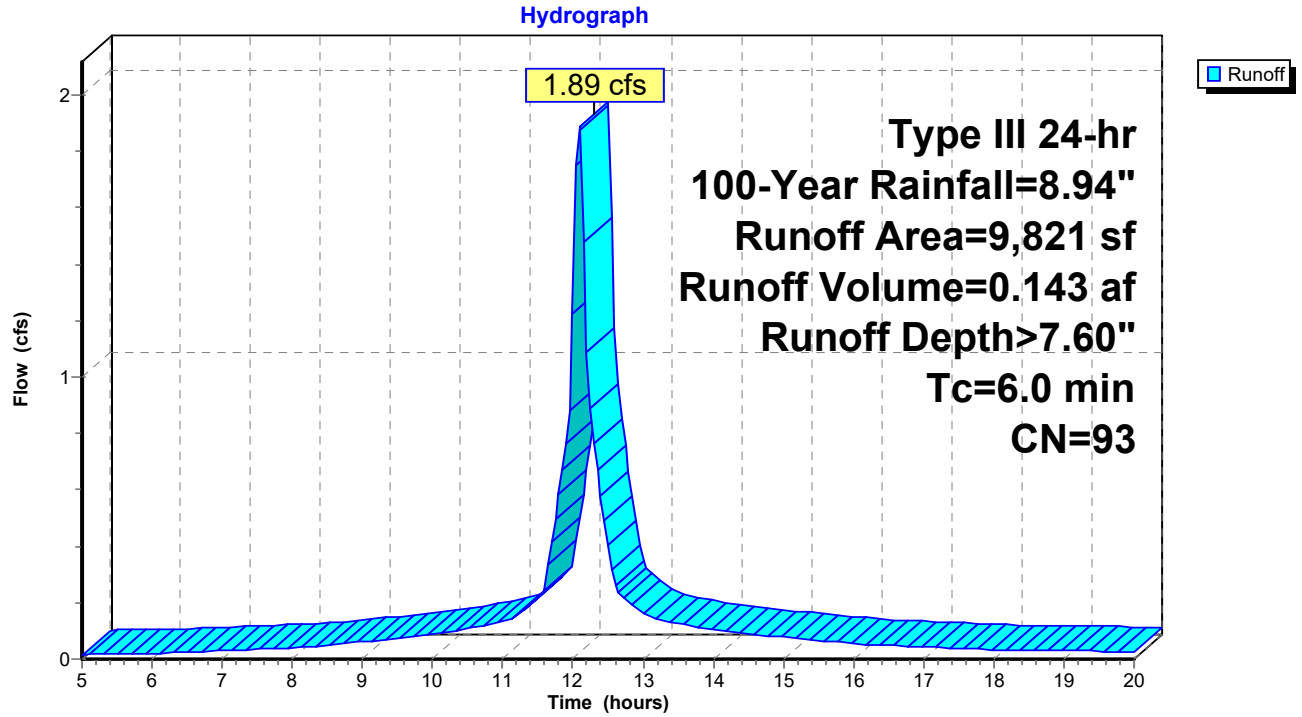
Runoff = 1.89 cfs @ 12.09 hrs, Volume= 0.143 af, Depth> 7.60"
Routed to Pond 32P : CB 52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,077	74	>75% Grass cover, Good, HSG C
2,390	98	Unconnected roofs, HSG C
5,354	98	Paved parking, HSG C
9,821	93	Weighted Average
2,077		21.15% Pervious Area
7,744		78.85% Impervious Area
2,390		30.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 12S: P1L



Summary for Subcatchment 13S: P1M

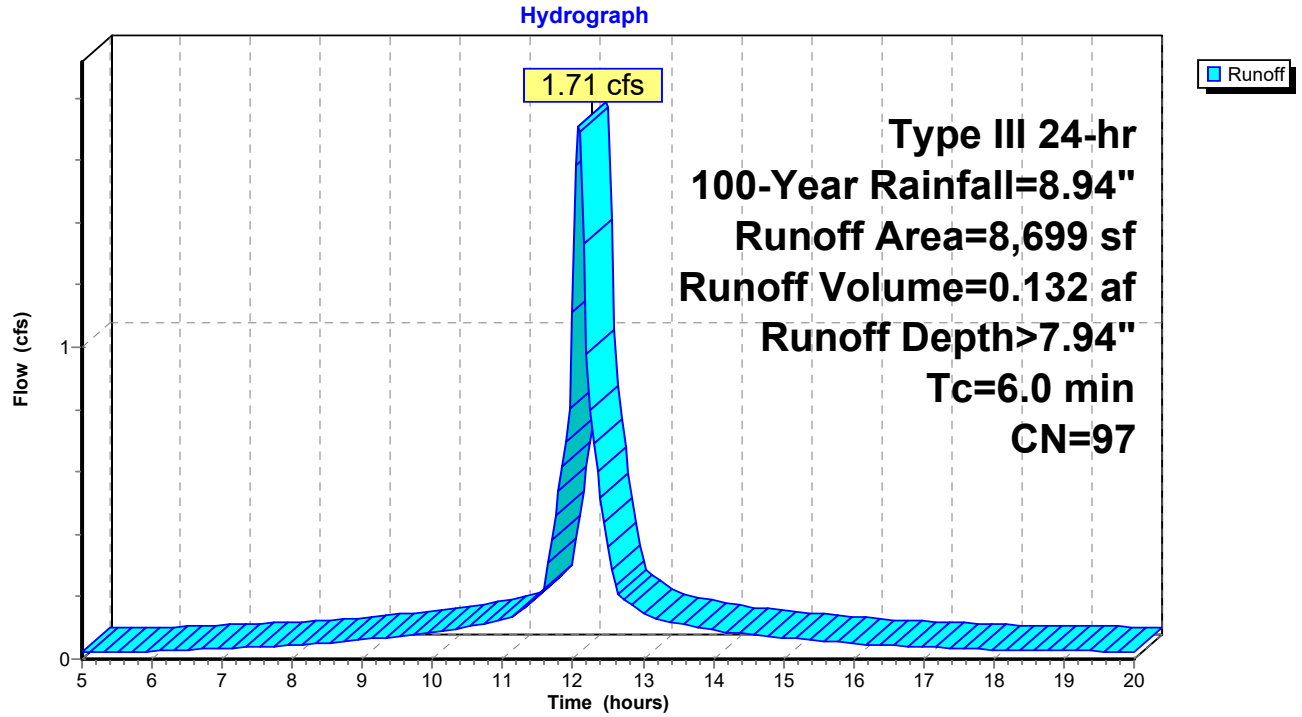
Runoff = 1.71 cfs @ 12.09 hrs, Volume= 0.132 af, Depth> 7.94"
Routed to Pond 36P : CB 54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
476	74	>75% Grass cover, Good, HSG C
569	98	Unconnected roofs, HSG C
7,654	98	Paved parking, HSG C
8,699	97	Weighted Average
476		5.47% Pervious Area
8,223		94.53% Impervious Area
569		6.92% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 13S: P1M



Summary for Subcatchment 14S: P1N

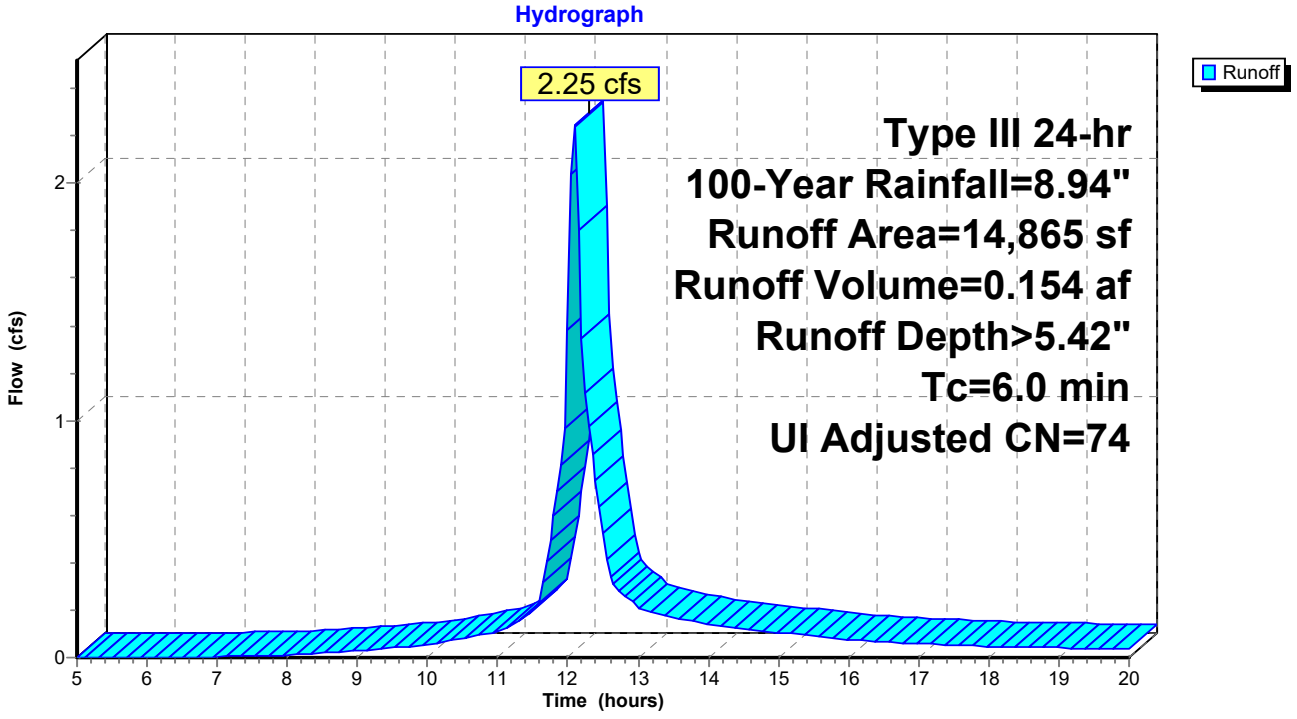
Runoff = 2.25 cfs @ 12.09 hrs, Volume= 0.154 af, Depth> 5.42"
Routed to Pond 15P : Inf. Basin 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
586	98		Unconnected roofs, HSG C
14,279	74		>75% Grass cover, Good, HSG C
14,865	75	74	Weighted Average, UI Adjusted
14,279			96.06% Pervious Area
586			3.94% Impervious Area
586			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 14S: P1N



Summary for Subcatchment 39S: P1P

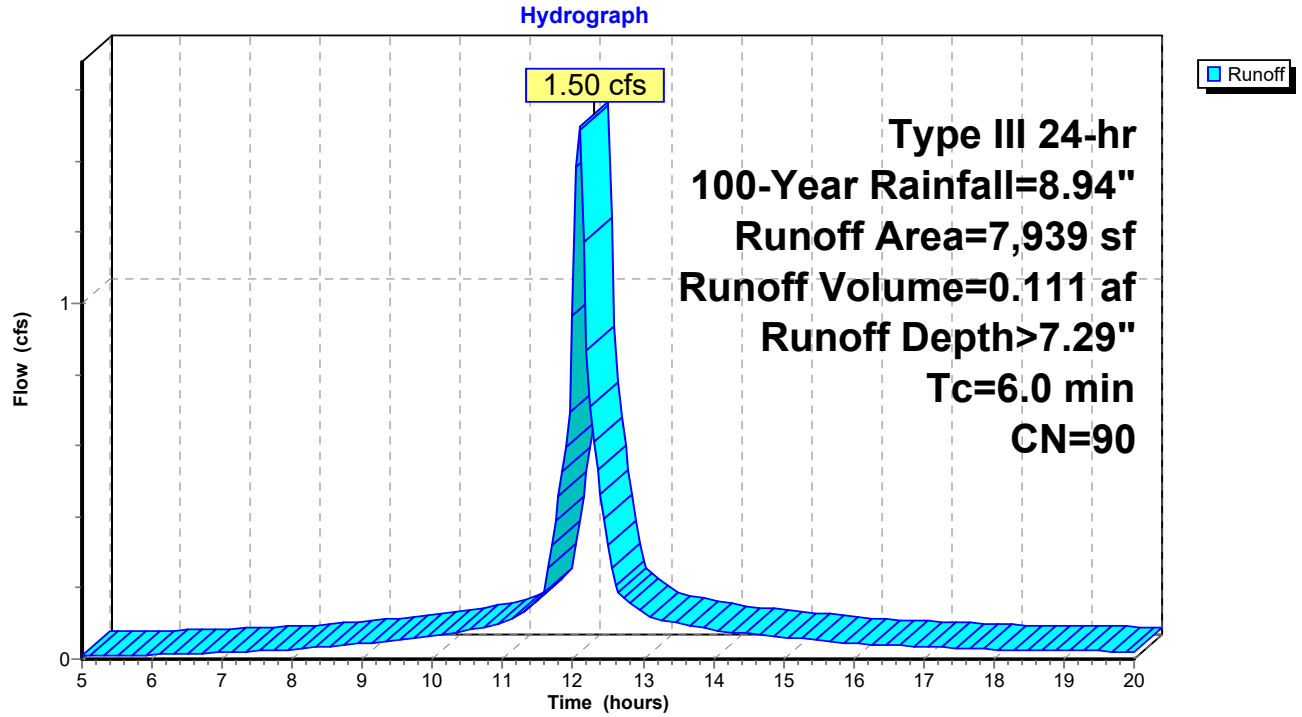
Runoff = 1.50 cfs @ 12.09 hrs, Volume= 0.111 af, Depth> 7.29"
Routed to Pond 42P : CB 50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,926	98	Unconnected roofs, HSG C
2,623	74	>75% Grass cover, Good, HSG C
3,390	98	Paved parking, HSG C
7,939	90	Weighted Average
2,623		33.04% Pervious Area
5,316		66.96% Impervious Area
1,926		36.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 39S: P1P



Summary for Subcatchment 40S: P1O

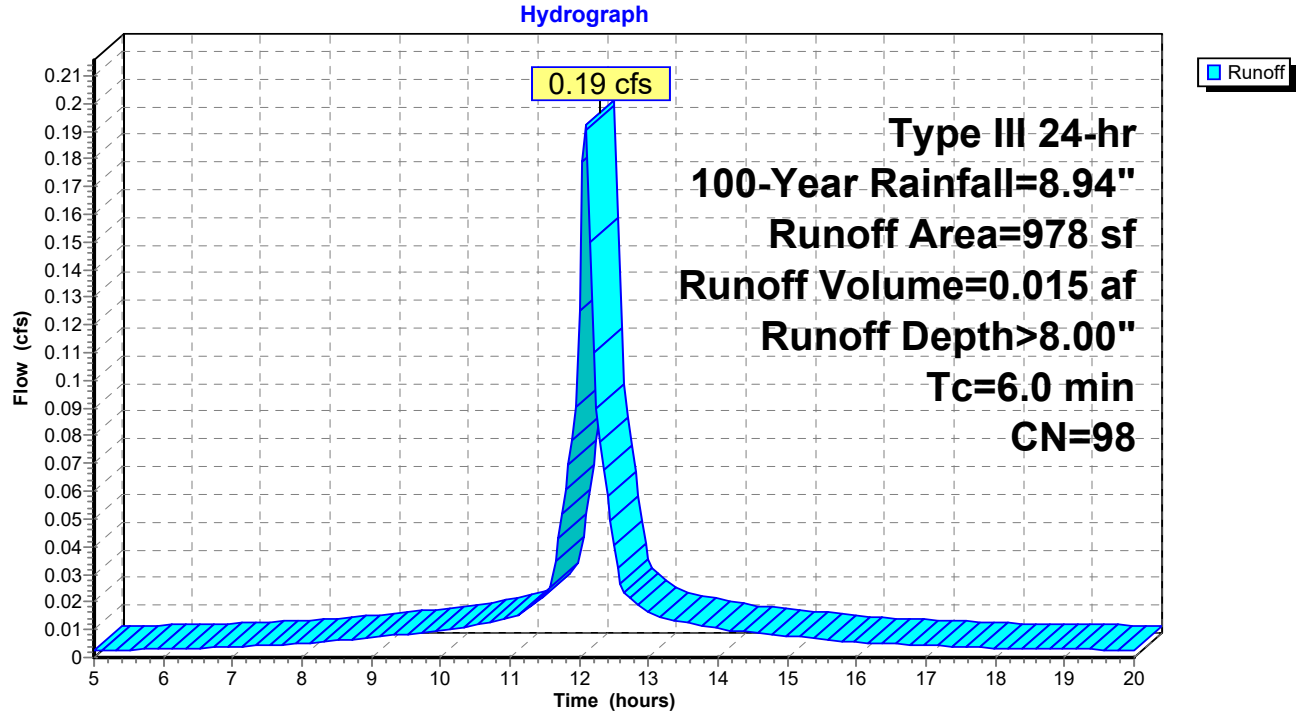
Runoff = 0.19 cfs @ 12.09 hrs, Volume= 0.015 af, Depth> 8.00"
Routed to Pond 41P : CB 49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
978	98	Paved parking, HSG C
978		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 40S: P1O



Summary for Subcatchment 44S: P1R

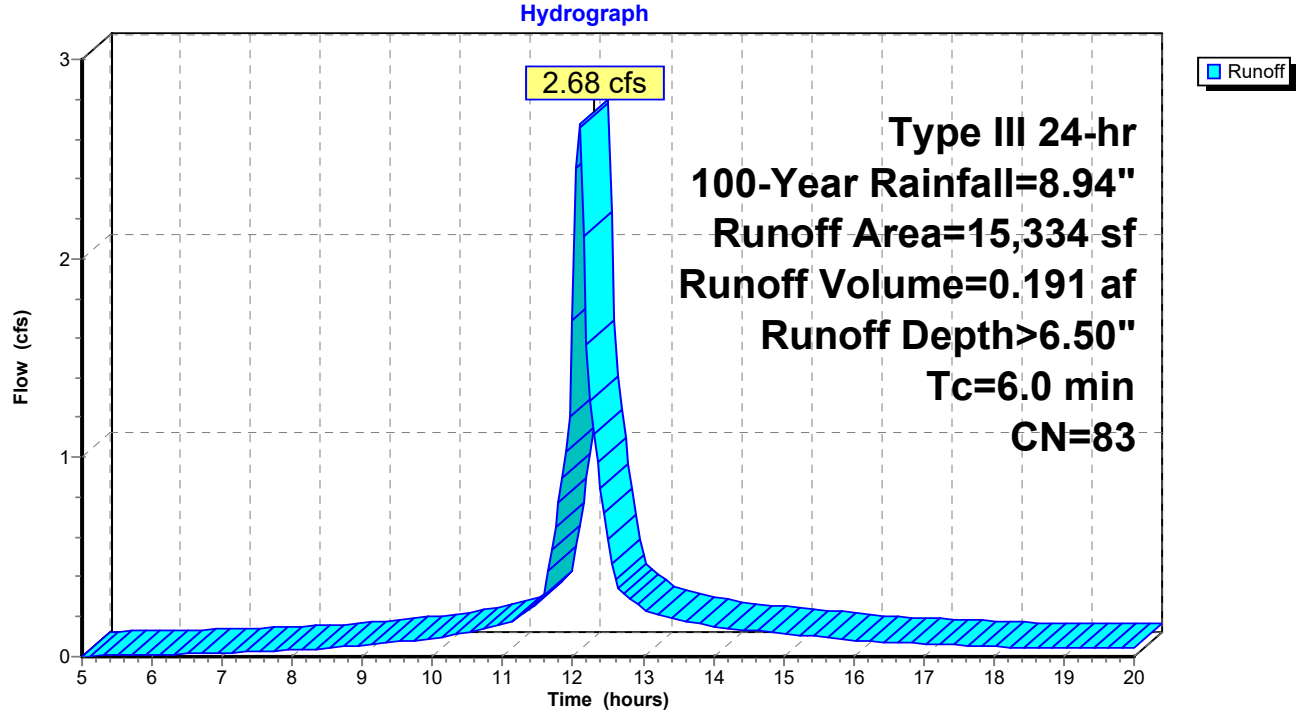
Runoff = 2.68 cfs @ 12.09 hrs, Volume= 0.191 af, Depth> 6.50"
Routed to Pond 46P : CB 48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
704	98	Unconnected pavement, HSG C
1,196	74	>75% Grass cover, Good, HSG C
955	98	Paved parking, HSG C
2,884	98	Unconnected roofs, HSG A
3,316	39	>75% Grass cover, Good, HSG A
6,279	98	Paved parking, HSG A
15,334	83	Weighted Average
4,512		29.42% Pervious Area
10,822		70.58% Impervious Area
3,588		33.15% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 44S: P1R



Summary for Subcatchment 45S: P1Q

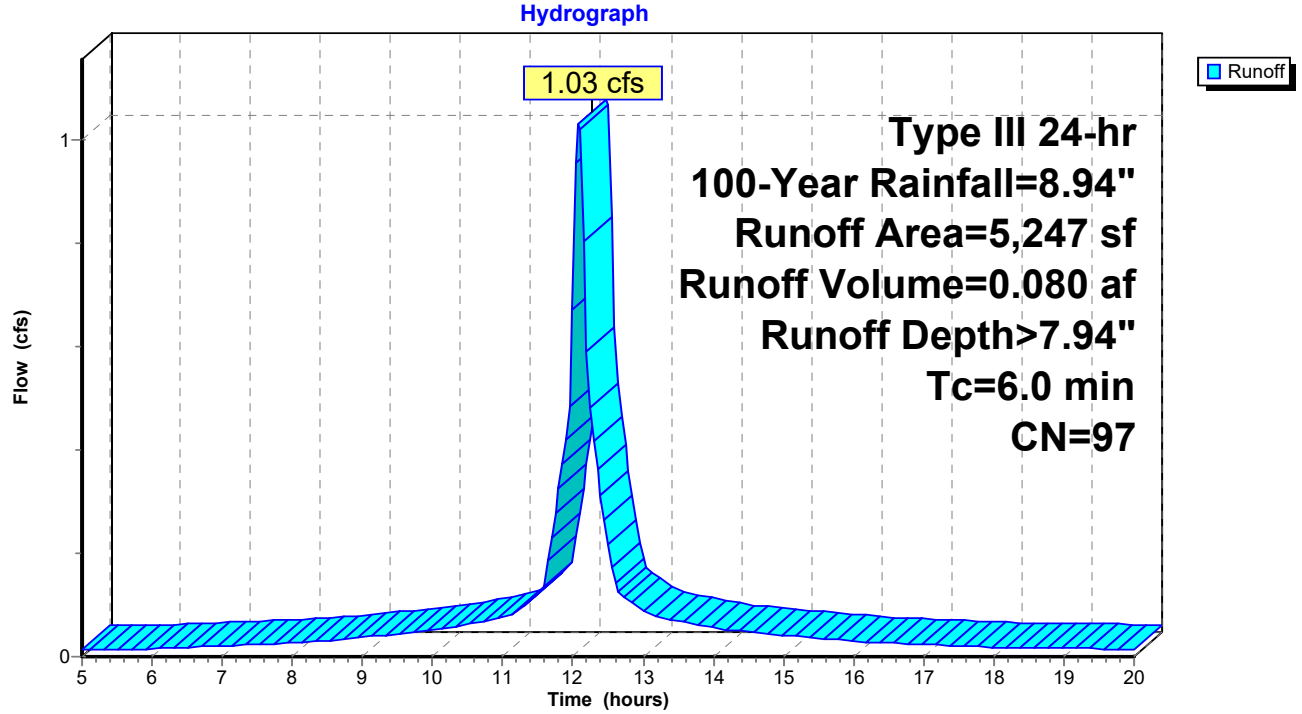
Runoff = 1.03 cfs @ 12.09 hrs, Volume= 0.080 af, Depth> 7.94"
Routed to Pond 47P : CB 47

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
49	74	>75% Grass cover, Good, HSG C
49	98	Unconnected roofs, HSG C
1,120	98	Paved parking, HSG C
80	39	>75% Grass cover, Good, HSG A
442	98	Unconnected roofs, HSG A
3,507	98	Paved parking, HSG A
5,247	97	Weighted Average
129		2.46% Pervious Area
5,118		97.54% Impervious Area
491		9.59% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 45S: P1Q



Summary for Subcatchment 50S: P1S

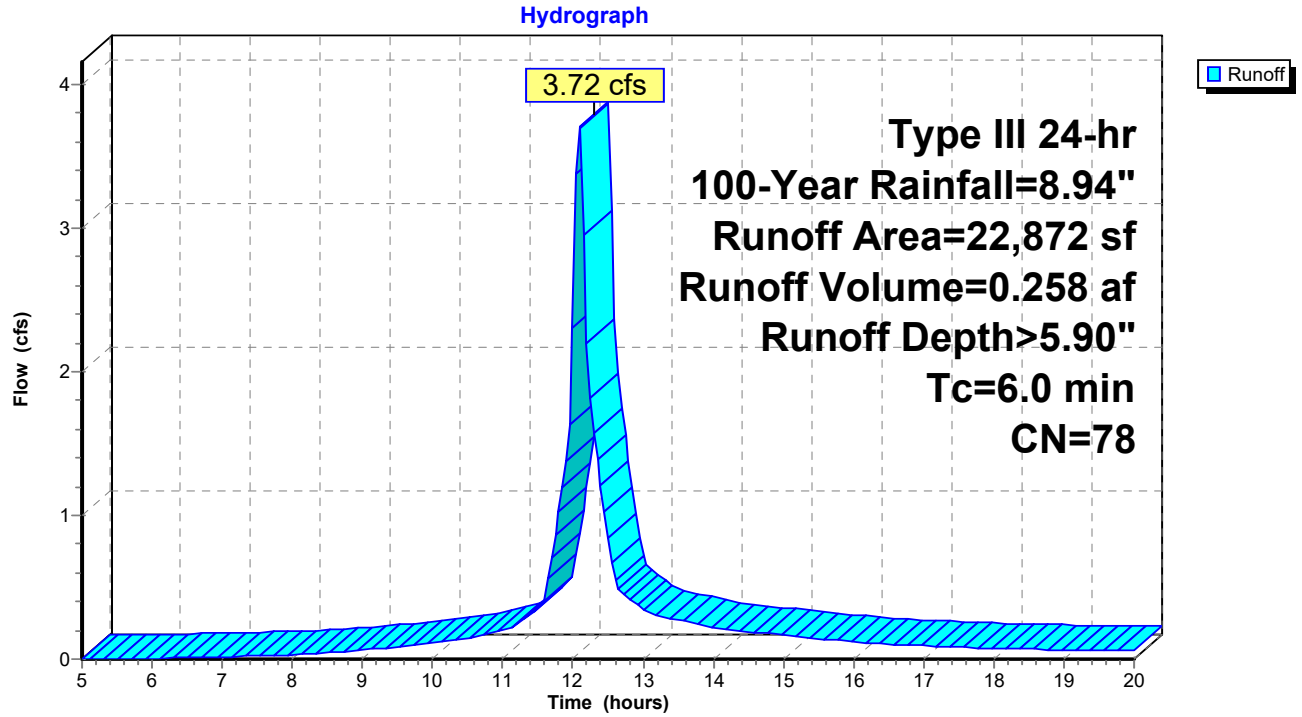
Runoff = 3.72 cfs @ 12.09 hrs, Volume= 0.258 af, Depth> 5.90"
Routed to Pond 53P : CB 21

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
6,743	98	Unconnected roofs, HSG A
7,903	39	>75% Grass cover, Good, HSG A
8,226	98	Paved parking, HSG A
22,872	78	Weighted Average
7,903		34.55% Pervious Area
14,969		65.45% Impervious Area
6,743		45.05% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 50S: P1S



Summary for Subcatchment 51S: P1T

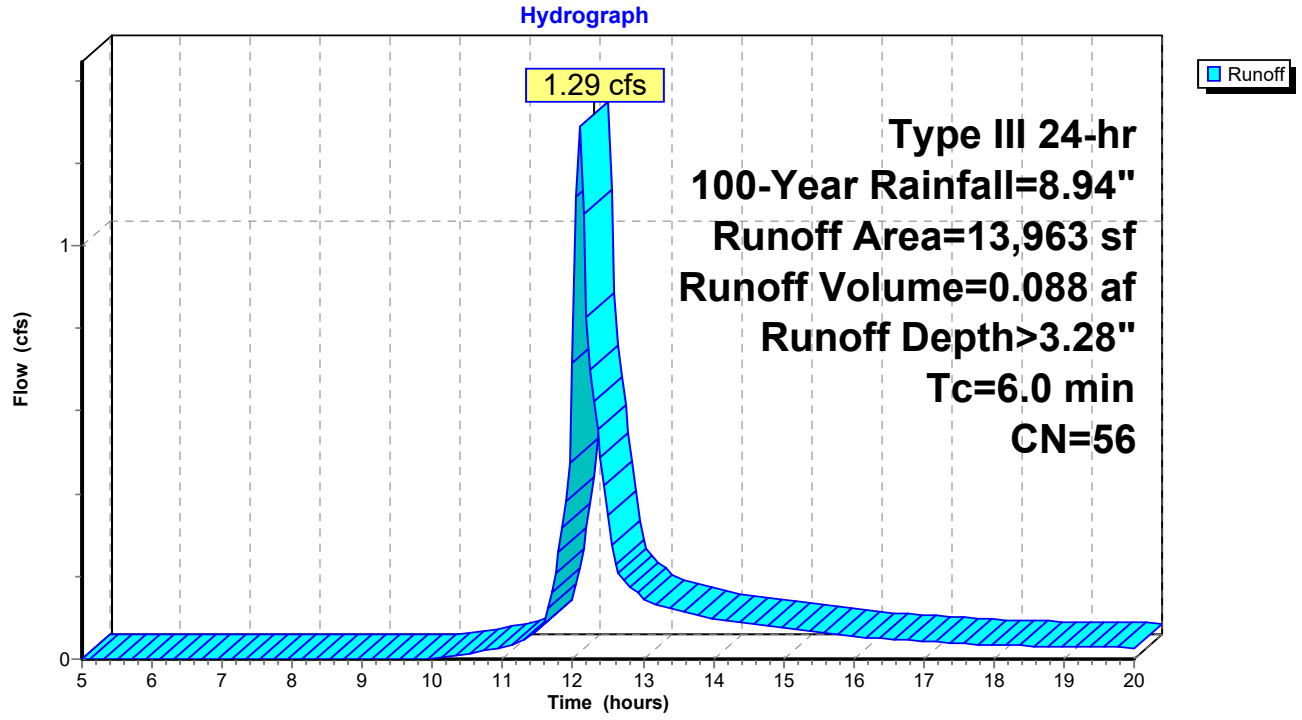
Runoff = 1.29 cfs @ 12.10 hrs, Volume= 0.088 af, Depth> 3.28"
Routed to Pond 52P : CB 20

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
9,878	39	>75% Grass cover, Good, HSG A
4,085	98	Paved parking, HSG A
13,963	56	Weighted Average
9,878		70.74% Pervious Area
4,085		29.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 51S: P1T



Summary for Subcatchment 57S: (new Subcat)

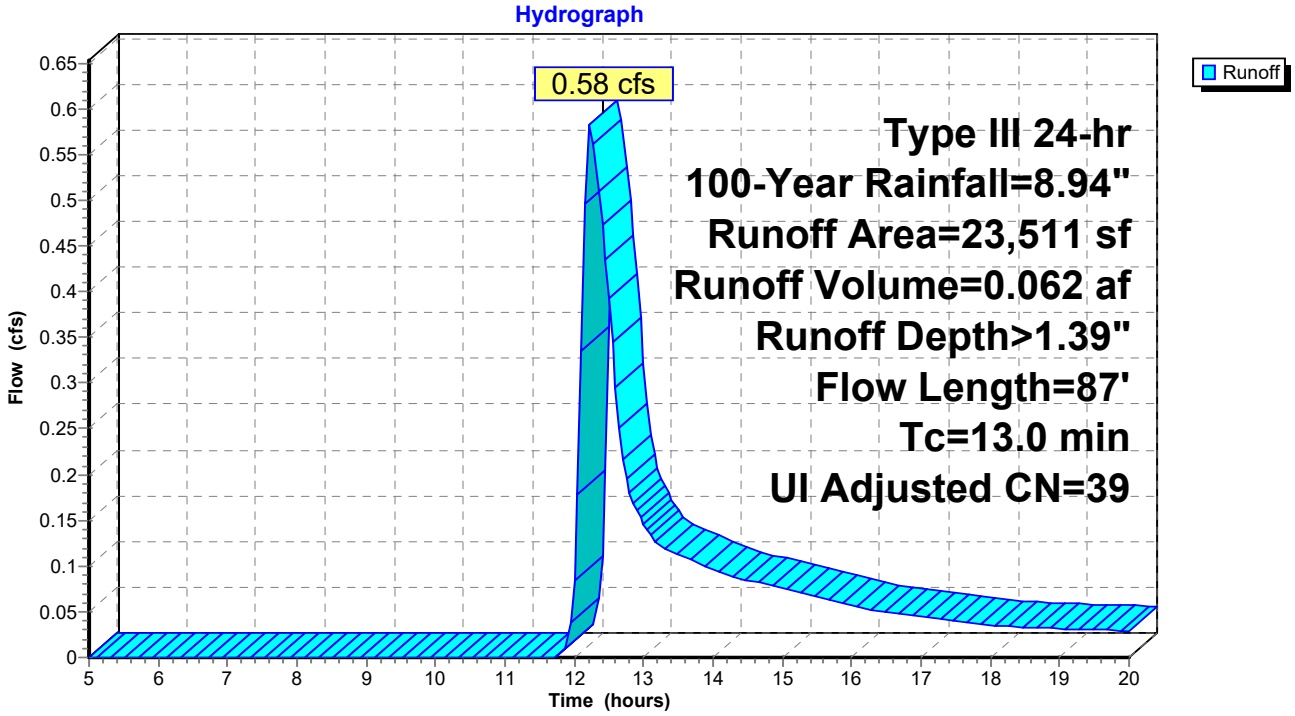
Runoff = 0.58 cfs @ 12.23 hrs, Volume= 0.062 af, Depth> 1.39"
Routed to Pond 56P : Inf. Basin 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
1,317	98		Unconnected roofs, HSG A
4,111	30		Woods, Good, HSG A
18,083	39		>75% Grass cover, Good, HSG A
23,511	41	39	Weighted Average, UI Adjusted
22,194			94.40% Pervious Area
1,317			5.60% Impervious Area
1,317			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	50	0.0200	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
0.5	37	0.0300	1.21		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
13.0	87	Total			

Subcatchment 57S: (new Subcat)



Summary for Subcatchment 58S: P1AA

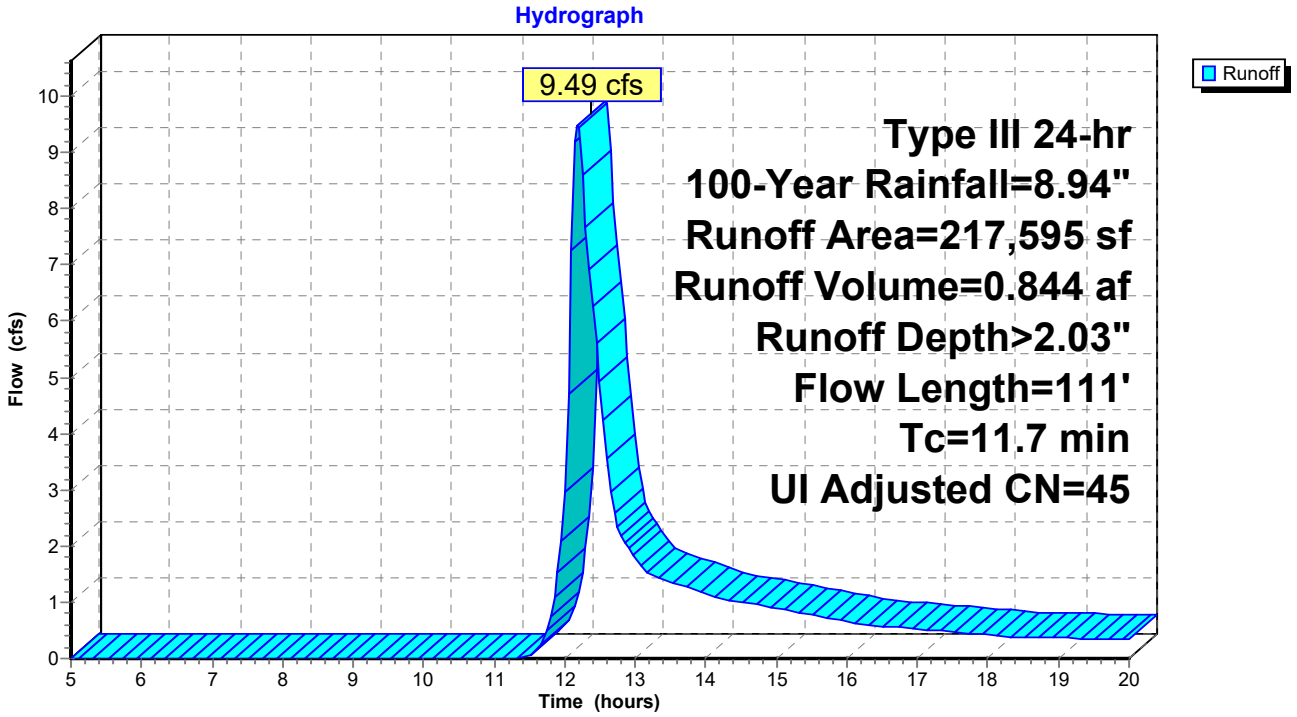
Runoff = 9.49 cfs @ 12.19 hrs, Volume= 0.844 af, Depth> 2.03"
Routed to Link 59L : DP 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

	Area (sf)	CN	Adj	Description
	1,776	98		Unconnected roofs, HSG C
	20,134	70		Woods, Good, HSG C
	38,005	74		>75% Grass cover, Good, HSG C
	3,034	98		Unconnected roofs, HSG A
*	12,179	39		Pervious Pavement
	84,195	30		Woods, Good, HSG A
	57,506	39		>75% Grass cover, Good, HSG A
	766	98		Unconnected pavement, HSG A
	217,595	46	45	Weighted Average, UI Adjusted
	212,019			97.44% Pervious Area
	5,576			2.56% Impervious Area
	5,576			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.7	50	0.0300	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
1.0	61	0.0400	1.00		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.7	111	Total			

Subcatchment 58S: P1AA



Summary for Subcatchment 60S: P2C

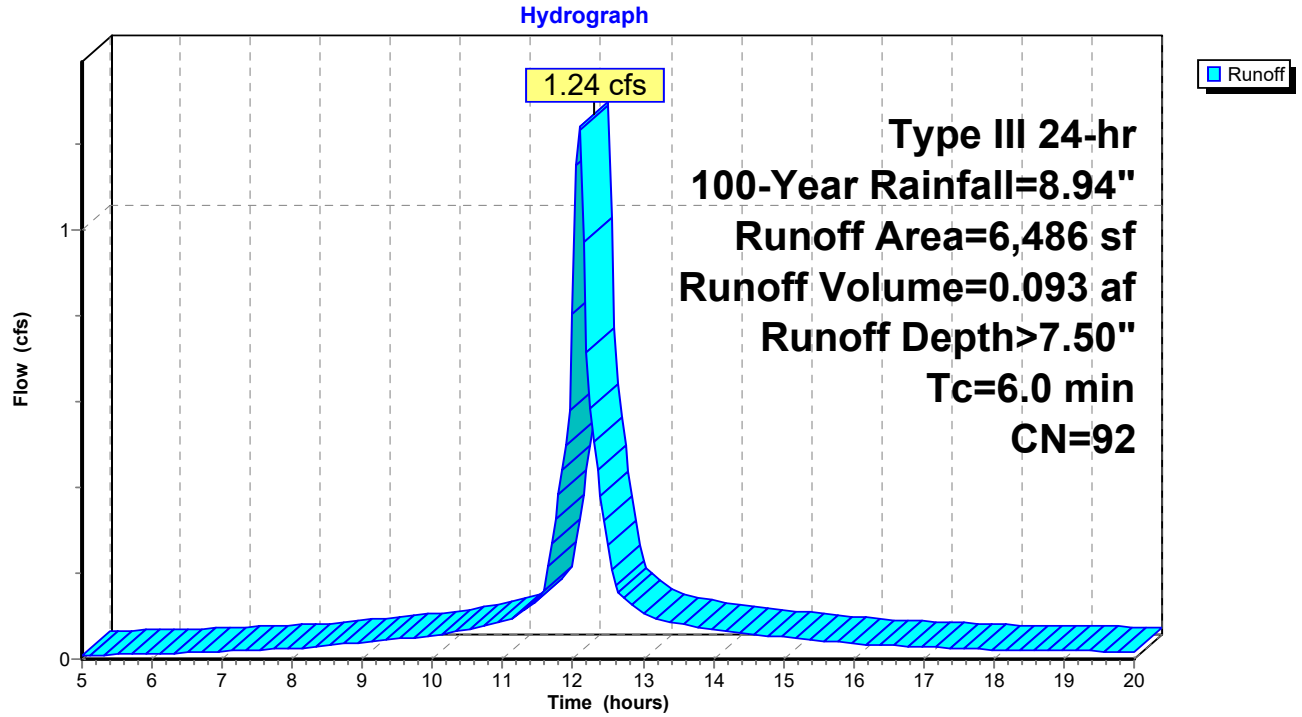
Runoff = 1.24 cfs @ 12.09 hrs, Volume= 0.093 af, Depth> 7.50"
Routed to Pond 62P : CB 66

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,086	98	Unconnected roofs, HSG C
1,688	74	>75% Grass cover, Good, HSG C
2,712	98	Paved parking, HSG C
6,486	92	Weighted Average
1,688		26.03% Pervious Area
4,798		73.97% Impervious Area
2,086		43.48% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 60S: P2C



Summary for Subcatchment 61S: P2D

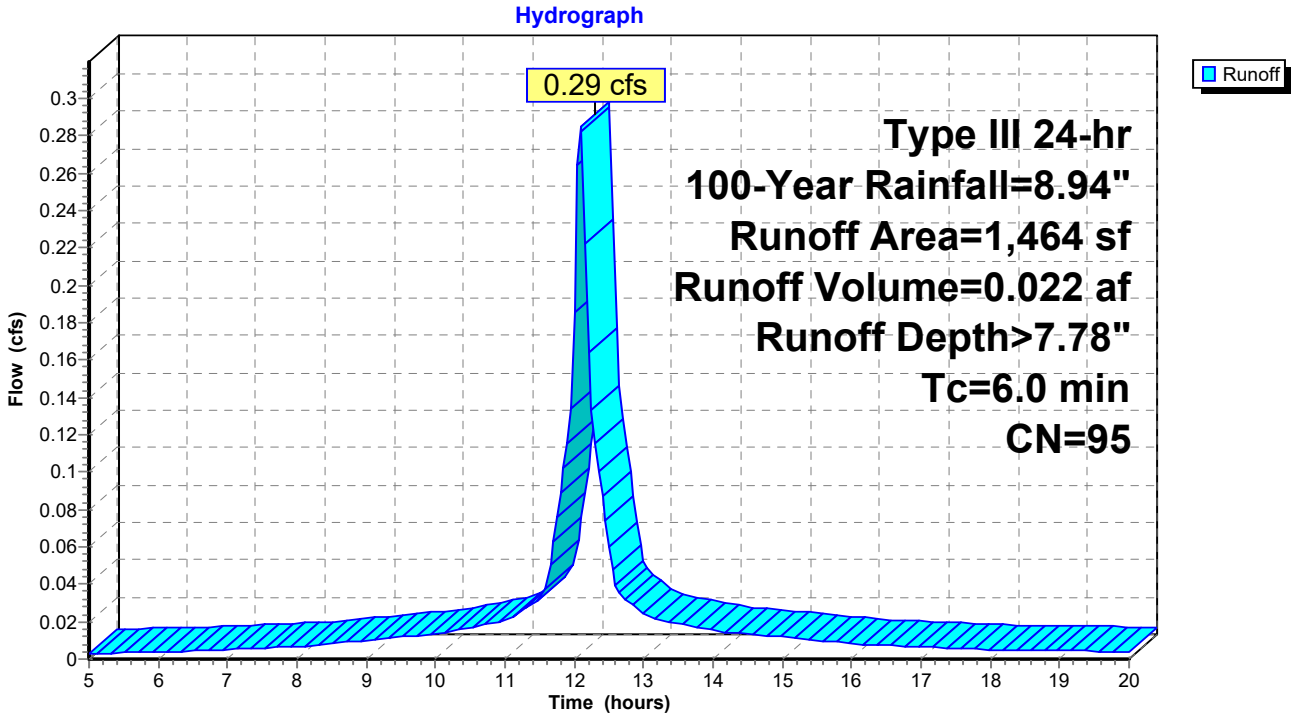
Runoff = 0.29 cfs @ 12.09 hrs, Volume= 0.022 af, Depth> 7.78"
Routed to Pond 63P : CB 67

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
190	74	>75% Grass cover, Good, HSG C
1,274	98	Paved parking, HSG C
1,464	95	Weighted Average
190		12.98% Pervious Area
1,274		87.02% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 61S: P2D



Summary for Subcatchment 62S: P2J

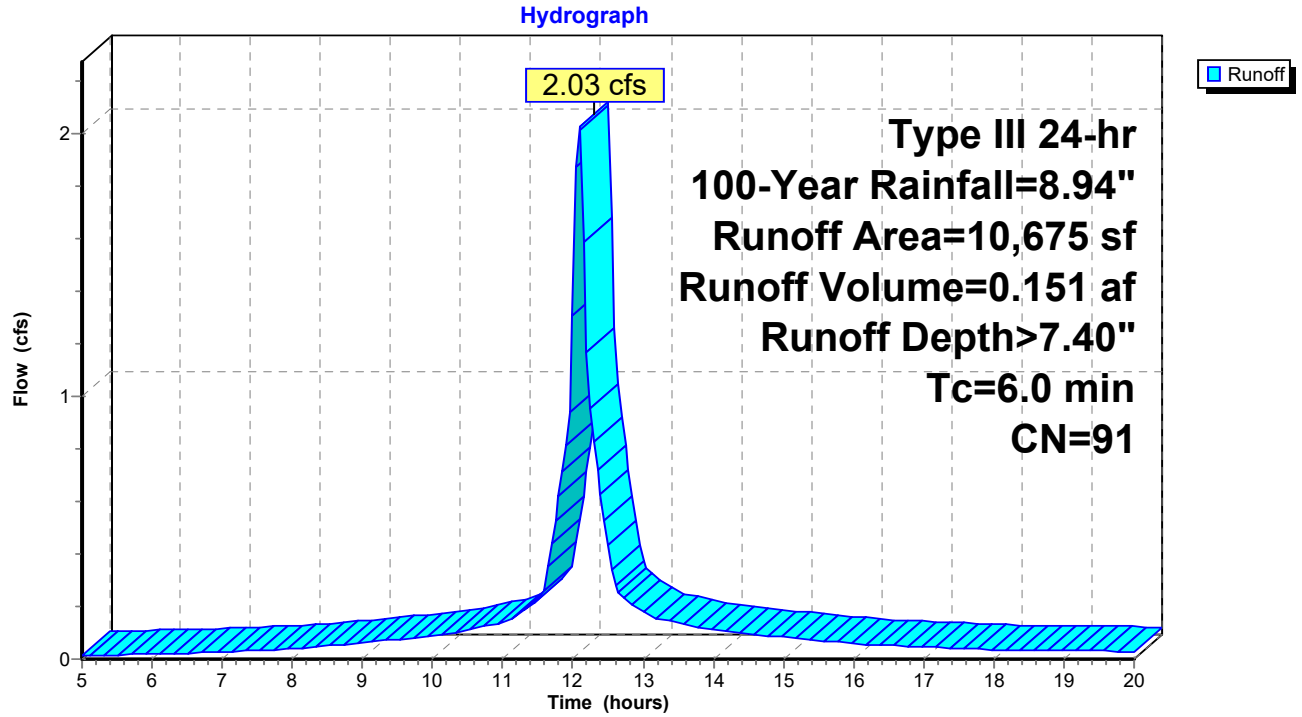
Runoff = 2.03 cfs @ 12.09 hrs, Volume= 0.151 af, Depth> 7.40"
Routed to Pond 69P : CB 72

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,207	98	Unconnected roofs, HSG C
2,897	74	>75% Grass cover, Good, HSG C
4,571	98	Paved parking, HSG C
10,675	91	Weighted Average
2,897		27.14% Pervious Area
7,778		72.86% Impervious Area
3,207		41.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 62S: P2J



Summary for Subcatchment 63S: P2K

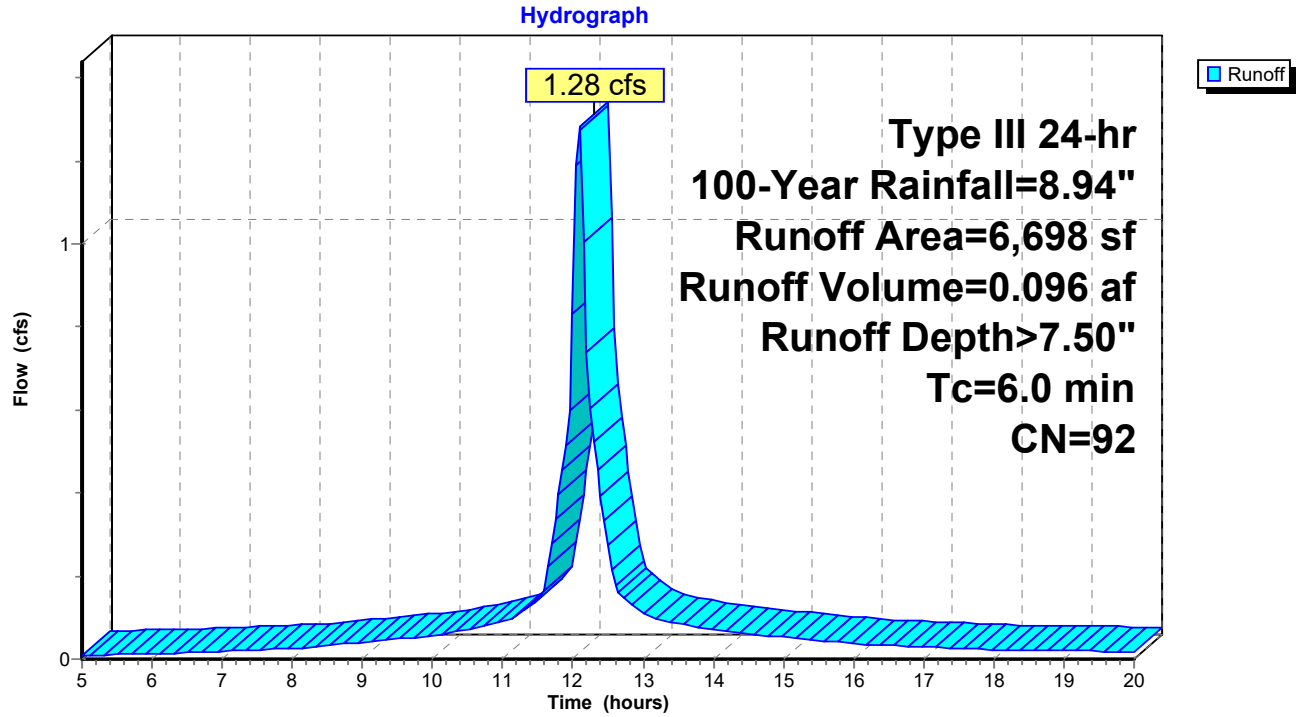
Runoff = 1.28 cfs @ 12.09 hrs, Volume= 0.096 af, Depth> 7.50"
Routed to Pond 70P : CB 73

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,542	74	>75% Grass cover, Good, HSG C
1,151	98	Unconnected roofs, HSG C
4,005	98	Paved parking, HSG C
6,698	92	Weighted Average
1,542		23.02% Pervious Area
5,156		76.98% Impervious Area
1,151		22.32% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 63S: P2K



Summary for Subcatchment 64S: P3L

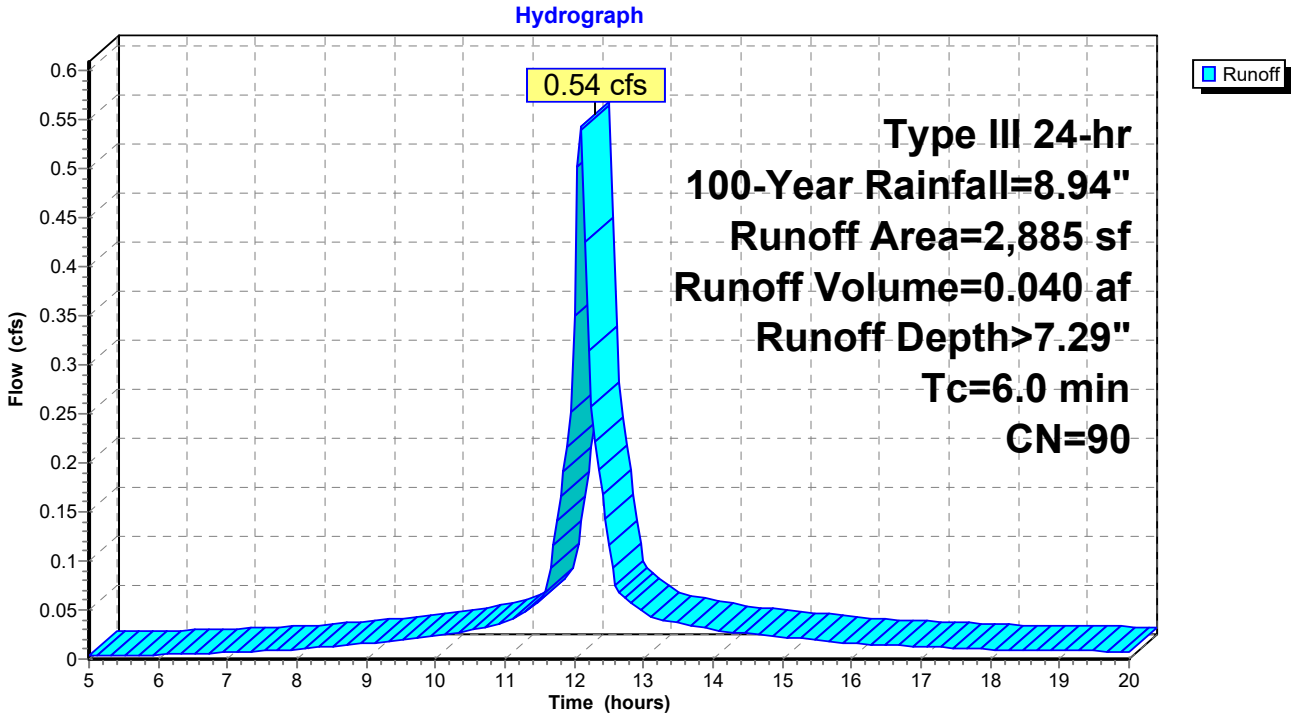
Runoff = 0.54 cfs @ 12.09 hrs, Volume= 0.040 af, Depth> 7.29"
Routed to Pond 88P : CB 84

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
965	74	>75% Grass cover, Good, HSG C
1,920	98	Paved parking, HSG C
2,885	90	Weighted Average
965		33.45% Pervious Area
1,920		66.55% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 64S: P3L



Summary for Subcatchment 65S: P3M

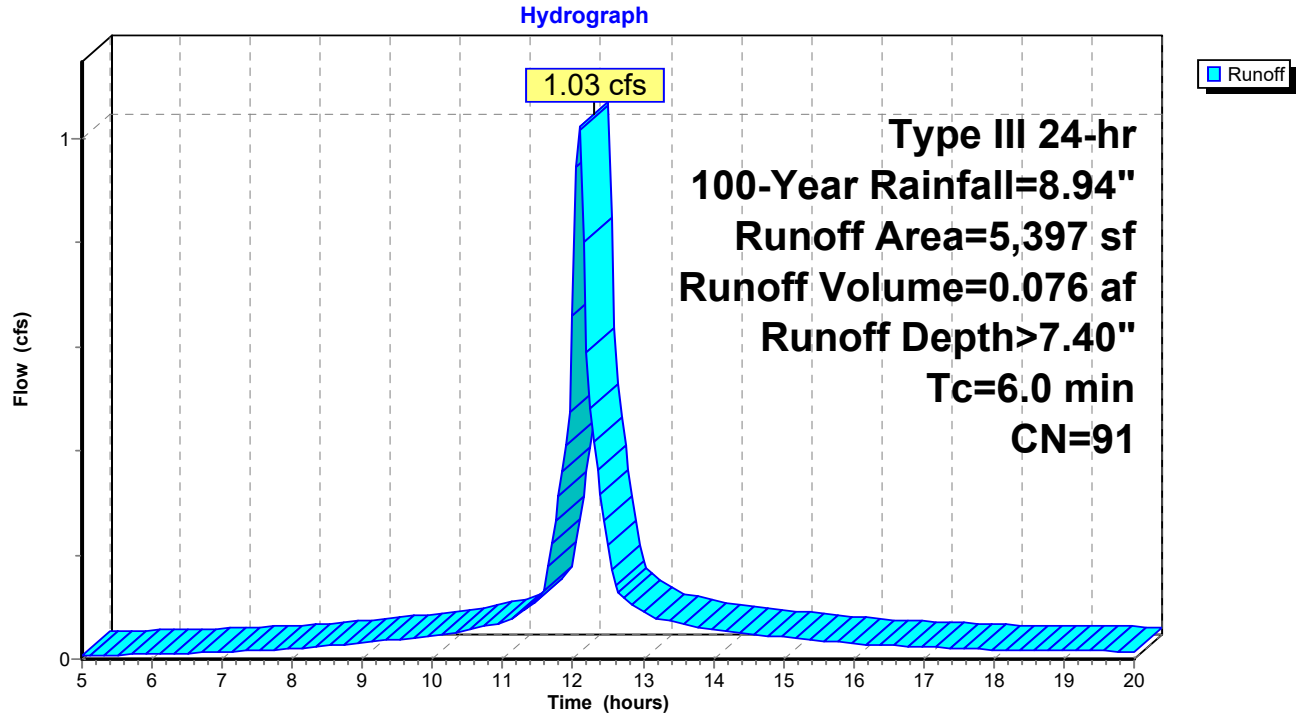
Runoff = 1.03 cfs @ 12.09 hrs, Volume= 0.076 af, Depth> 7.40"
Routed to Pond 87P : CB 85

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,636	74	>75% Grass cover, Good, HSG C
1,756	98	Unconnected roofs, HSG C
2,005	98	Paved parking, HSG C
5,397	91	Weighted Average
1,636		30.31% Pervious Area
3,761		69.69% Impervious Area
1,756		46.69% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 65S: P3M



Summary for Subcatchment 66S: P3N

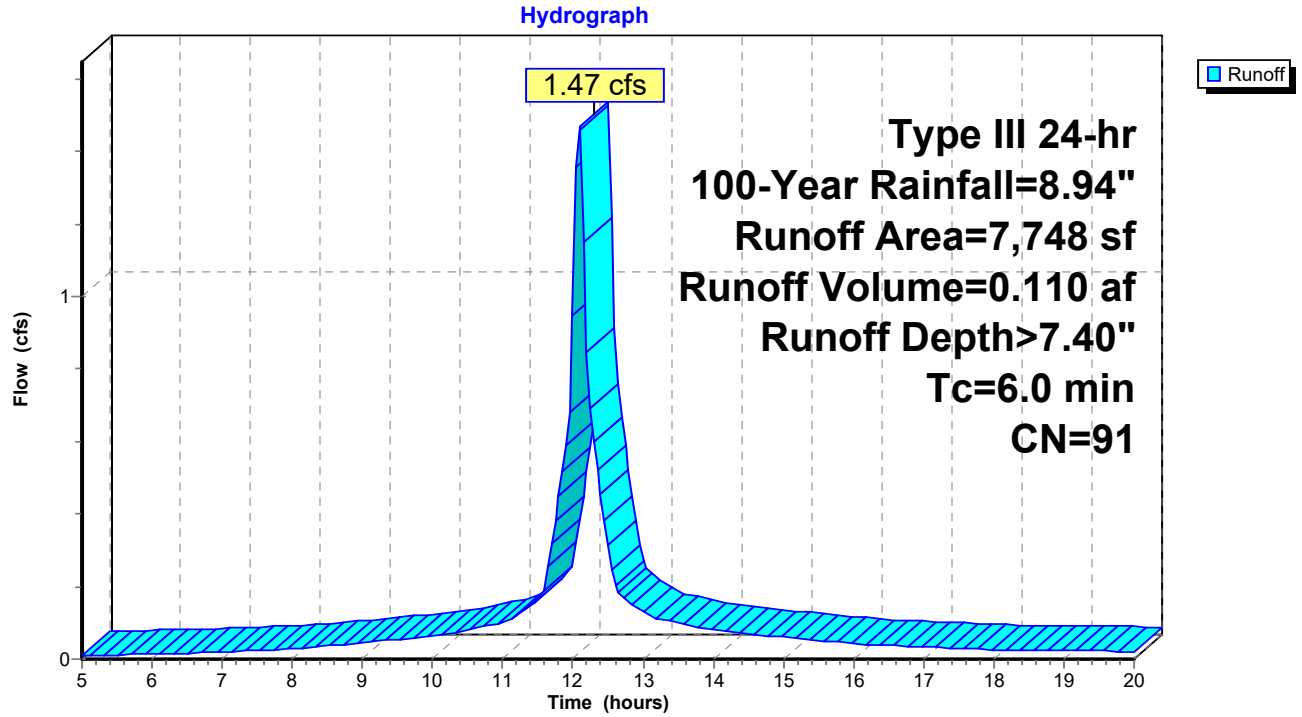
Runoff = 1.47 cfs @ 12.09 hrs, Volume= 0.110 af, Depth> 7.40"
Routed to Pond 83P : CB 86

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,108	74	>75% Grass cover, Good, HSG C
1,824	98	Unconnected roofs, HSG C
3,816	98	Paved parking, HSG C
7,748	91	Weighted Average
2,108		27.21% Pervious Area
5,640		72.79% Impervious Area
1,824		32.34% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 66S: P3N



Summary for Subcatchment 67S: P3O

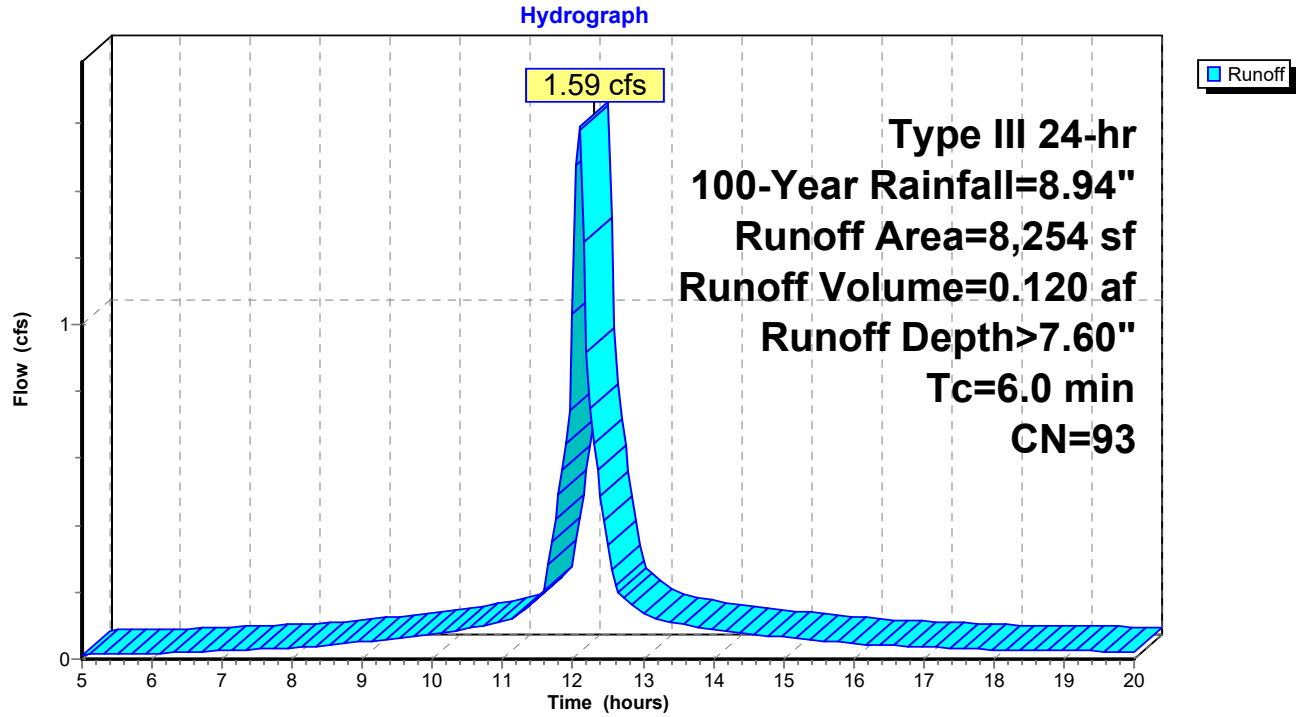
Runoff = 1.59 cfs @ 12.09 hrs, Volume= 0.120 af, Depth> 7.60"
Routed to Pond 84P : CB 87

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,792	74	>75% Grass cover, Good, HSG C
2,605	98	Unconnected roofs, HSG C
3,857	98	Paved parking, HSG C
8,254	93	Weighted Average
1,792		21.71% Pervious Area
6,462		78.29% Impervious Area
2,605		40.31% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 67S: P3O



Summary for Subcatchment 68S: P3P

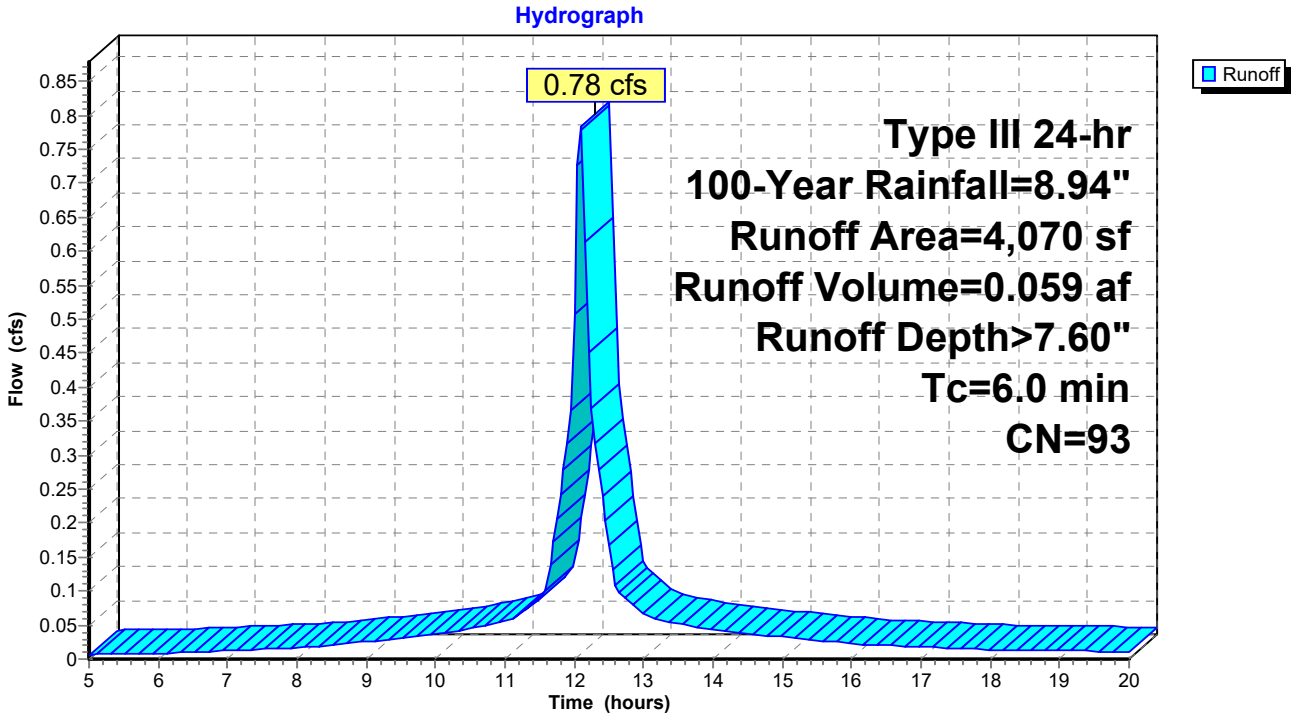
Runoff = 0.78 cfs @ 12.09 hrs, Volume= 0.059 af, Depth> 7.60"
Routed to Pond 108P : CB 88

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
802	74	>75% Grass cover, Good, HSG C
3,268	98	Paved parking, HSG C
4,070	93	Weighted Average
802		19.71% Pervious Area
3,268		80.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 68S: P3P



Summary for Subcatchment 69S: P2E

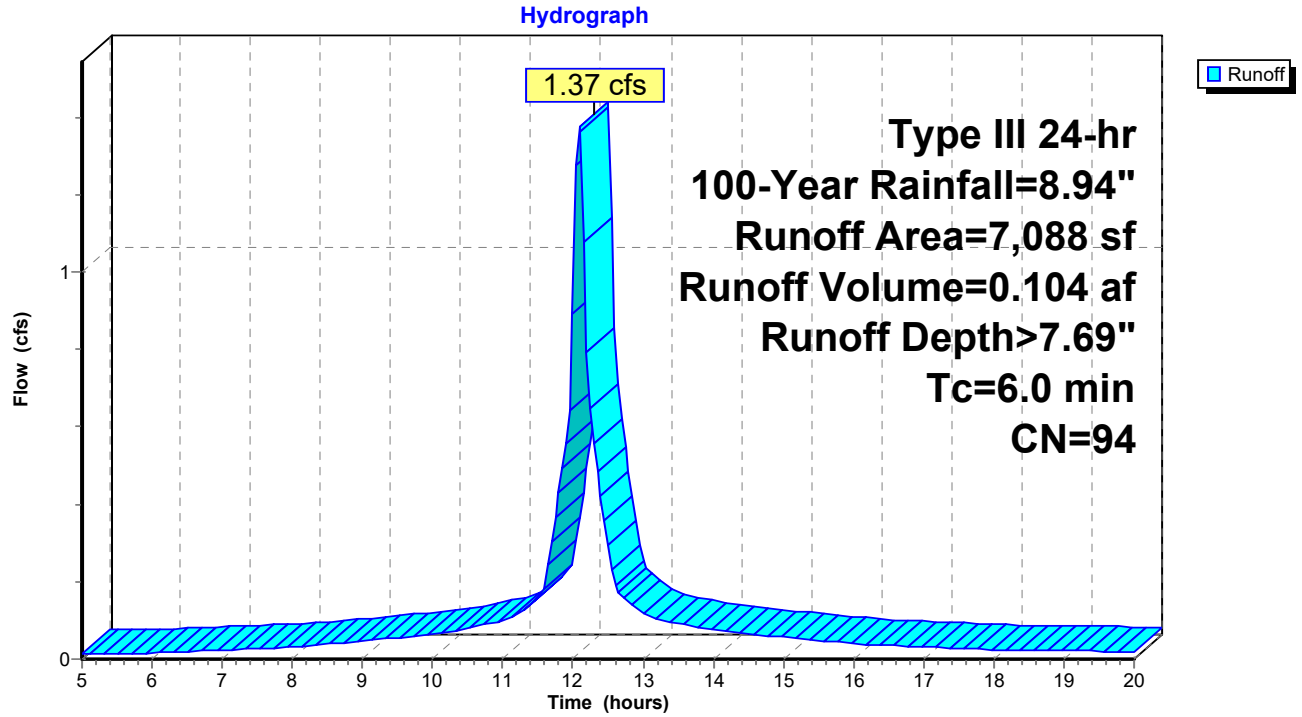
Runoff = 1.37 cfs @ 12.09 hrs, Volume= 0.104 af, Depth> 7.69"
Routed to Pond 66P : CB 68

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,227	74	>75% Grass cover, Good, HSG C
1,596	98	Unconnected roofs, HSG C
4,265	98	Paved parking, HSG C
7,088	94	Weighted Average
1,227		17.31% Pervious Area
5,861		82.69% Impervious Area
1,596		27.23% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 69S: P2E



Summary for Subcatchment 70S: P2F

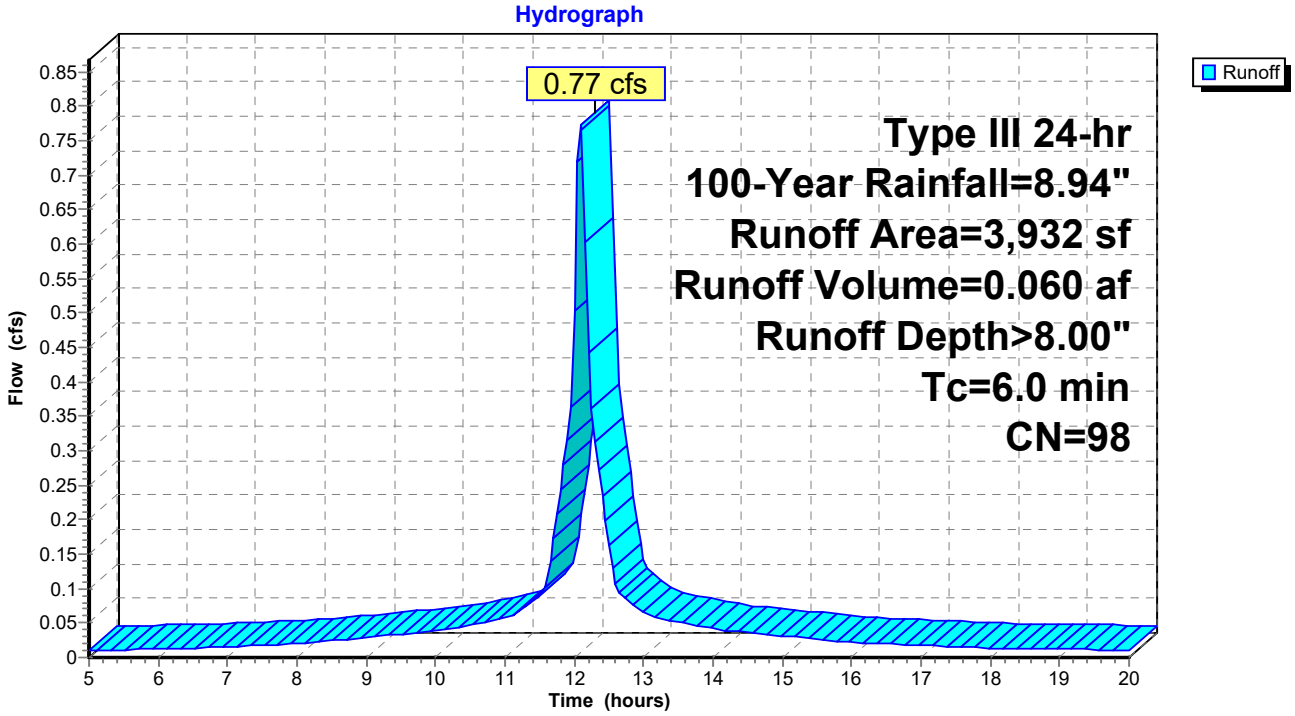
Runoff = 0.77 cfs @ 12.09 hrs, Volume= 0.060 af, Depth> 8.00"
Routed to Pond 67P : CB 69

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,932	98	Paved parking, HSG C
3,932		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 70S: P2F



Summary for Subcatchment 71S: P2A

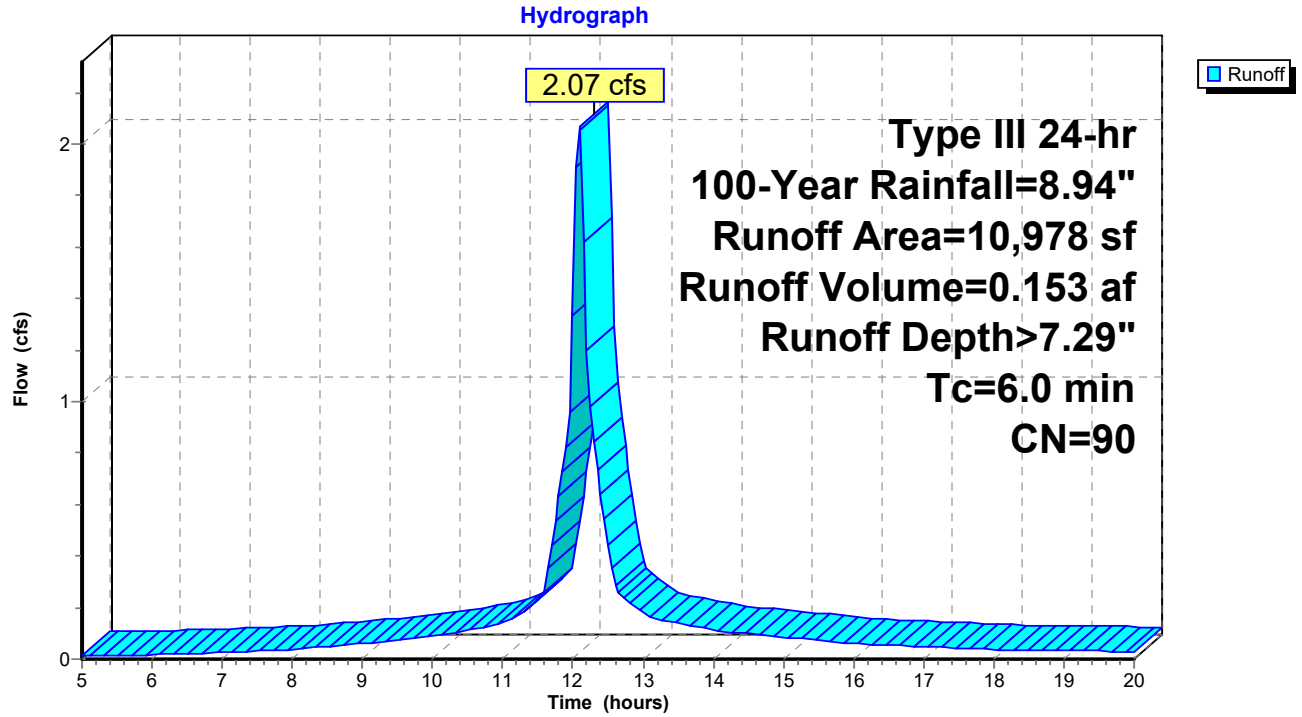
Runoff = 2.07 cfs @ 12.09 hrs, Volume= 0.153 af, Depth> 7.29"
Routed to Pond 73P : CB 64

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,800	98	Unconnected roofs, HSG C
3,751	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
10,978	90	Weighted Average
3,751		34.17% Pervious Area
7,227		65.83% Impervious Area
2,800		38.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 71S: P2A



Summary for Subcatchment 72S: P2B

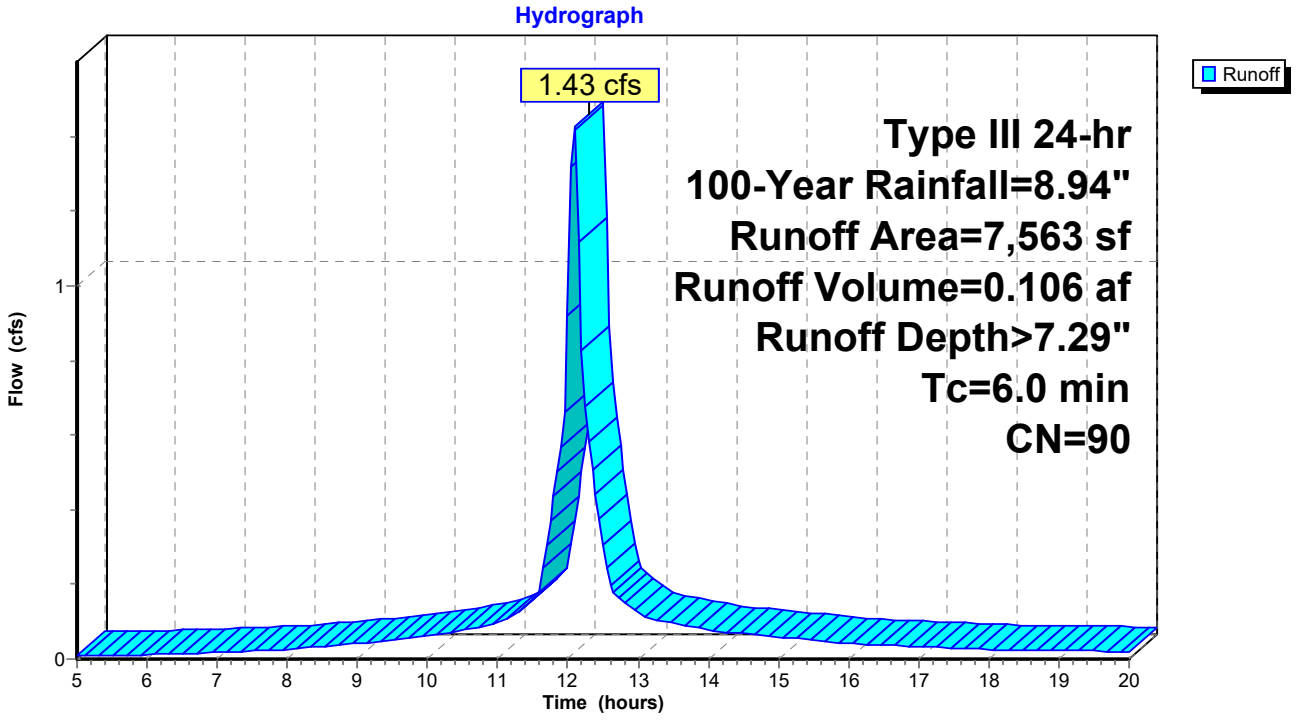
Runoff = 1.43 cfs @ 12.09 hrs, Volume= 0.106 af, Depth> 7.29"
Routed to Pond 74P : CB 65

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,643	74	>75% Grass cover, Good, HSG C
4,920	98	Paved parking, HSG C
7,563	90	Weighted Average
2,643		34.95% Pervious Area
4,920		65.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 72S: P2B



Summary for Subcatchment 73S: P2G

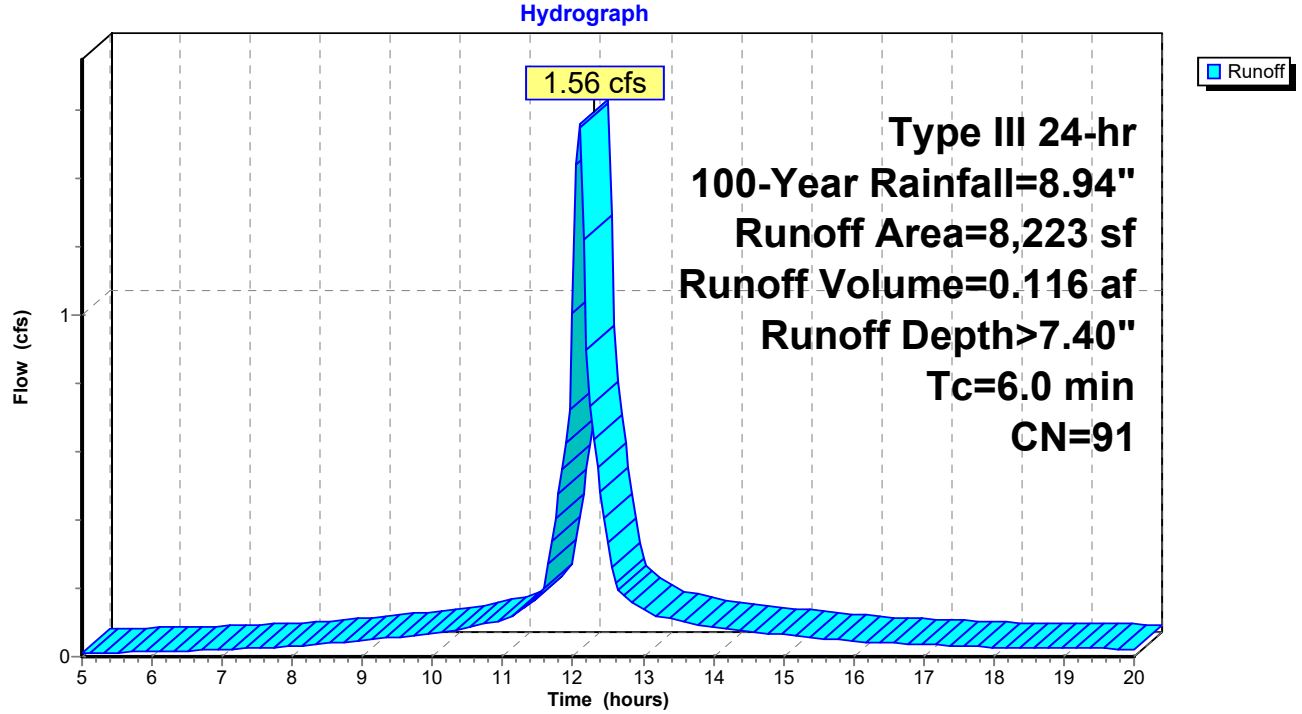
Runoff = 1.56 cfs @ 12.09 hrs, Volume= 0.116 af, Depth> 7.40"
Routed to Pond 76P : CB 70

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,345	74	>75% Grass cover, Good, HSG C
1,348	98	Unconnected roofs, HSG C
122	98	Unconnected roofs, HSG A
34	39	>75% Grass cover, Good, HSG A
673	98	Paved parking, HSG A
3,701	98	Paved parking, HSG C
8,223	91	Weighted Average
2,379		28.93% Pervious Area
5,844		71.07% Impervious Area
1,470		25.15% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 73S: P2G



Summary for Subcatchment 74S: P2H

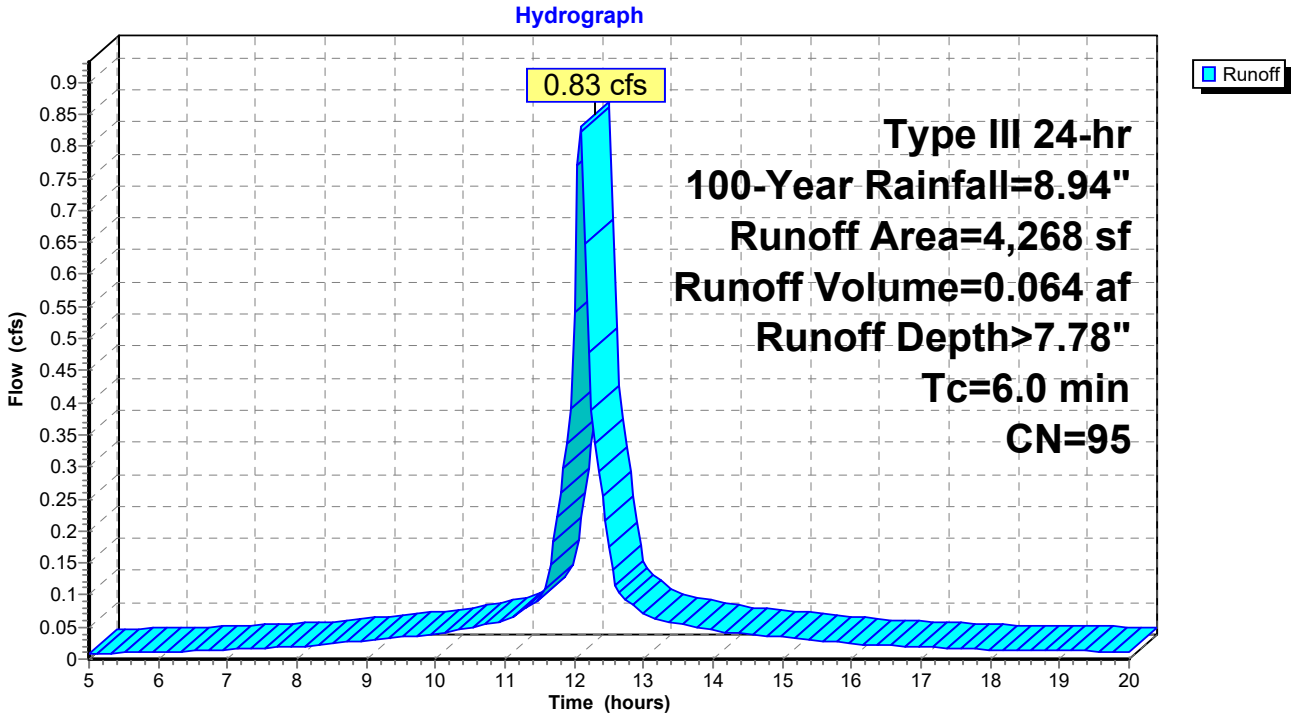
Runoff = 0.83 cfs @ 12.09 hrs, Volume= 0.064 af, Depth> 7.78"
Routed to Pond 77P : CB 71

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
200	39	>75% Grass cover, Good, HSG A
610	98	Unconnected roofs, HSG A
3,458	98	Paved parking, HSG A
4,268	95	Weighted Average
200		4.69% Pervious Area
4,068		95.31% Impervious Area
610		15.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 74S: P2H



Summary for Subcatchment 75S: P3Q

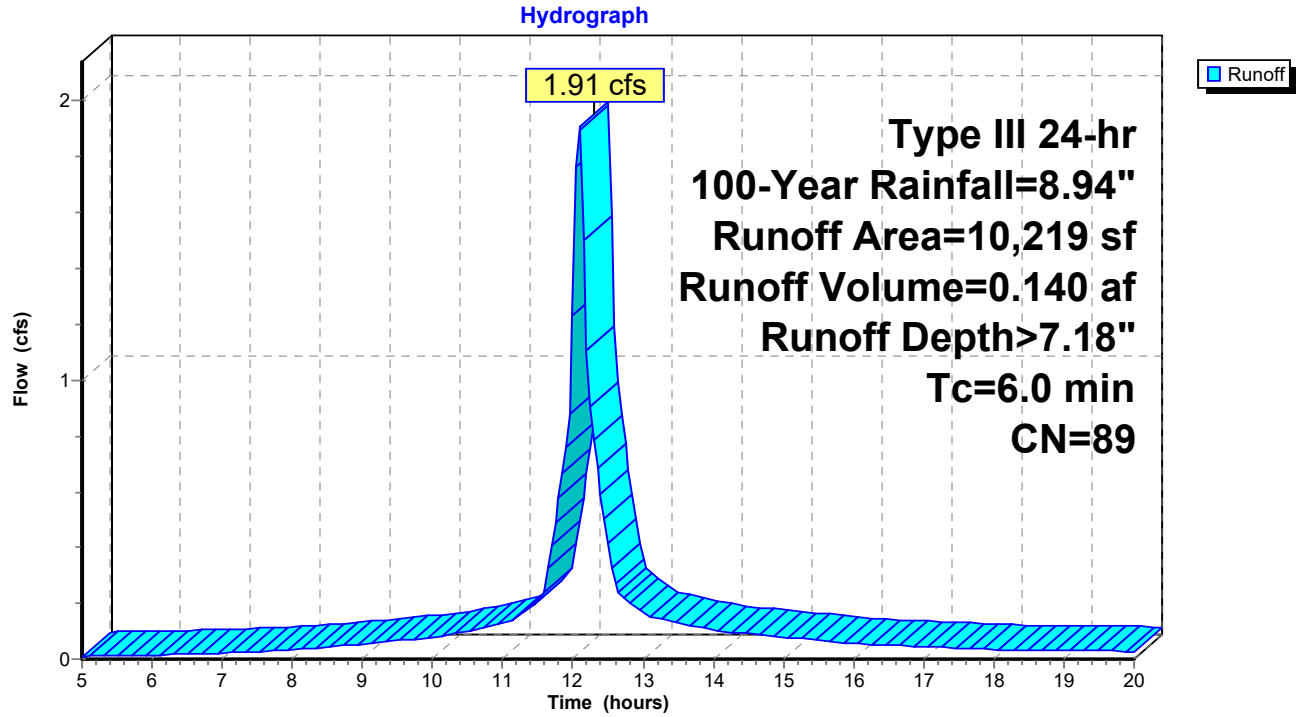
Runoff = 1.91 cfs @ 12.09 hrs, Volume= 0.140 af, Depth> 7.18"
Routed to Pond 107P : CB

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,641	74	>75% Grass cover, Good, HSG C
1,994	98	Unconnected roofs, HSG C
4,584	98	Paved parking, HSG C
10,219	89	Weighted Average
3,641		35.63% Pervious Area
6,578		64.37% Impervious Area
1,994		30.31% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 75S: P3Q



Summary for Subcatchment 76S: P3R

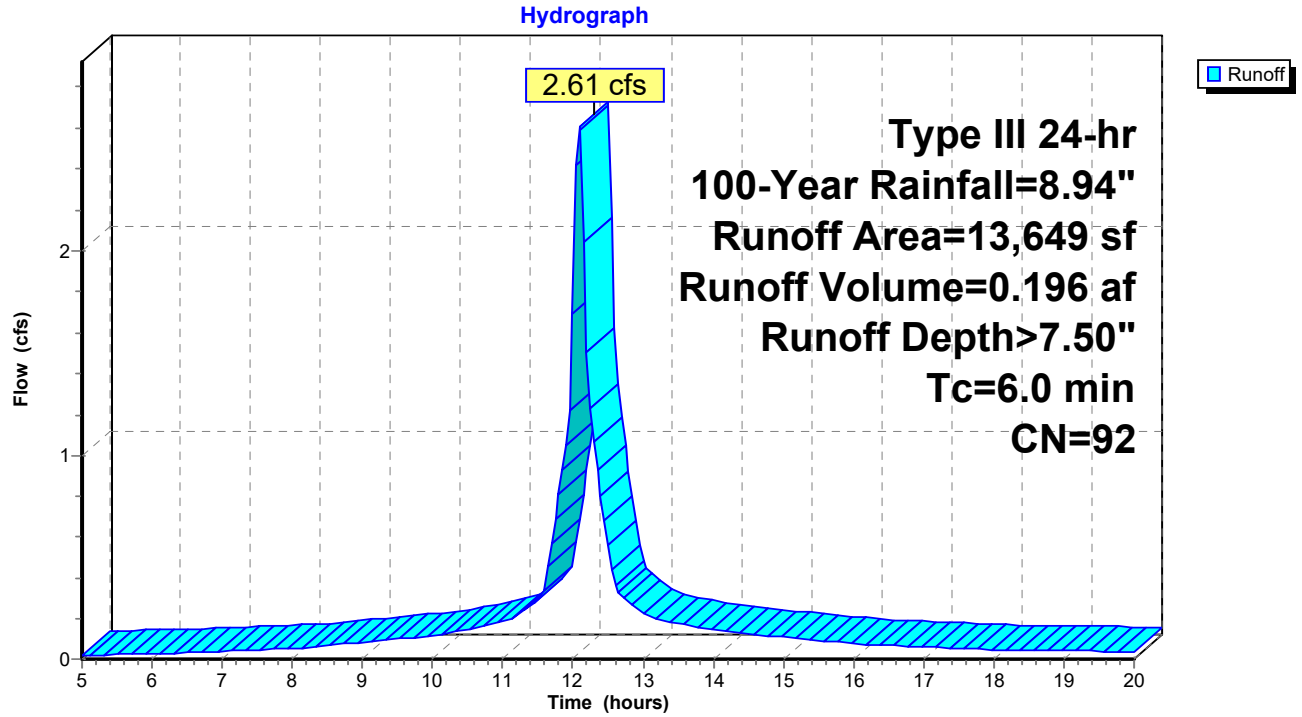
Runoff = 2.61 cfs @ 12.09 hrs, Volume= 0.196 af, Depth> 7.50"
Routed to Pond 103P : CB 92

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,162	74	>75% Grass cover, Good, HSG C
4,063	98	Unconnected roofs, HSG C
6,424	98	Paved parking, HSG C
13,649	92	Weighted Average
3,162		23.17% Pervious Area
10,487		76.83% Impervious Area
4,063		38.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 76S: P3R



Summary for Subcatchment 77S: P3S

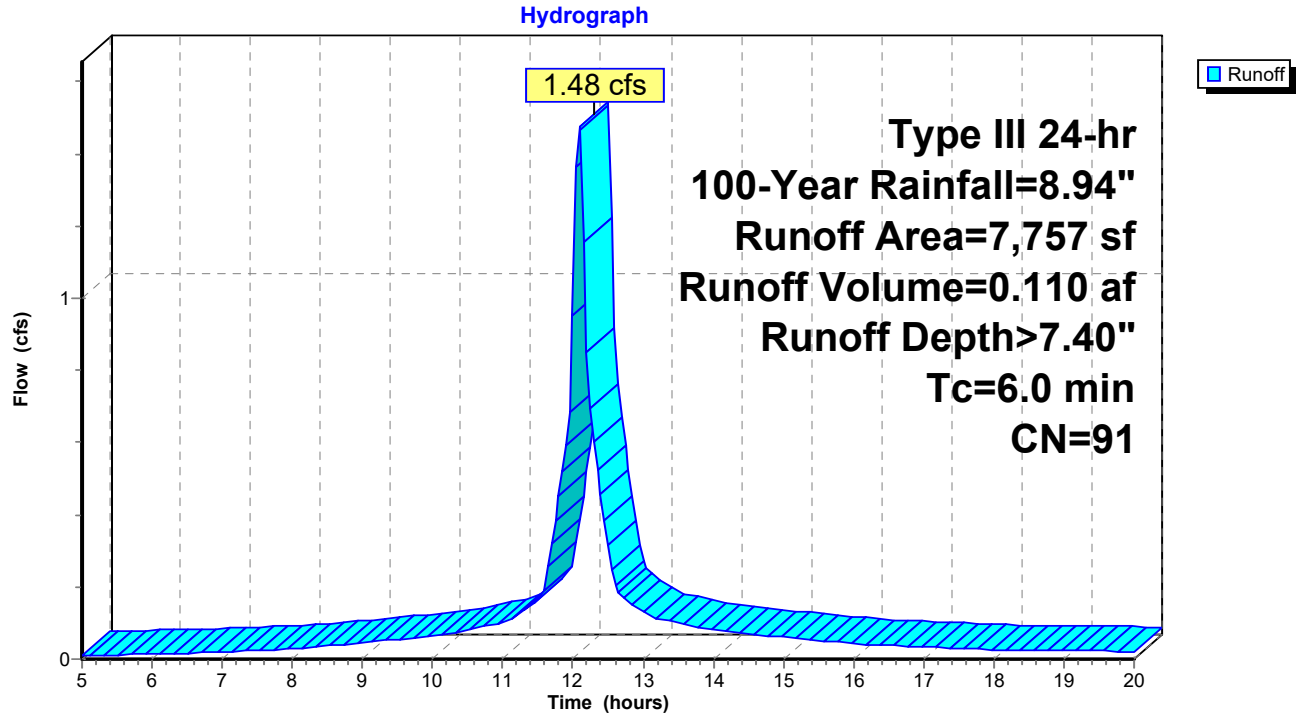
Runoff = 1.48 cfs @ 12.09 hrs, Volume= 0.110 af, Depth> 7.40"
Routed to Pond 102P : CB 93

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,358	74	>75% Grass cover, Good, HSG C
702	98	Unconnected roofs, HSG C
4,697	98	Paved parking, HSG C
7,757	91	Weighted Average
2,358		30.40% Pervious Area
5,399		69.60% Impervious Area
702		13.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 77S: P3S



Summary for Subcatchment 78S: P1S

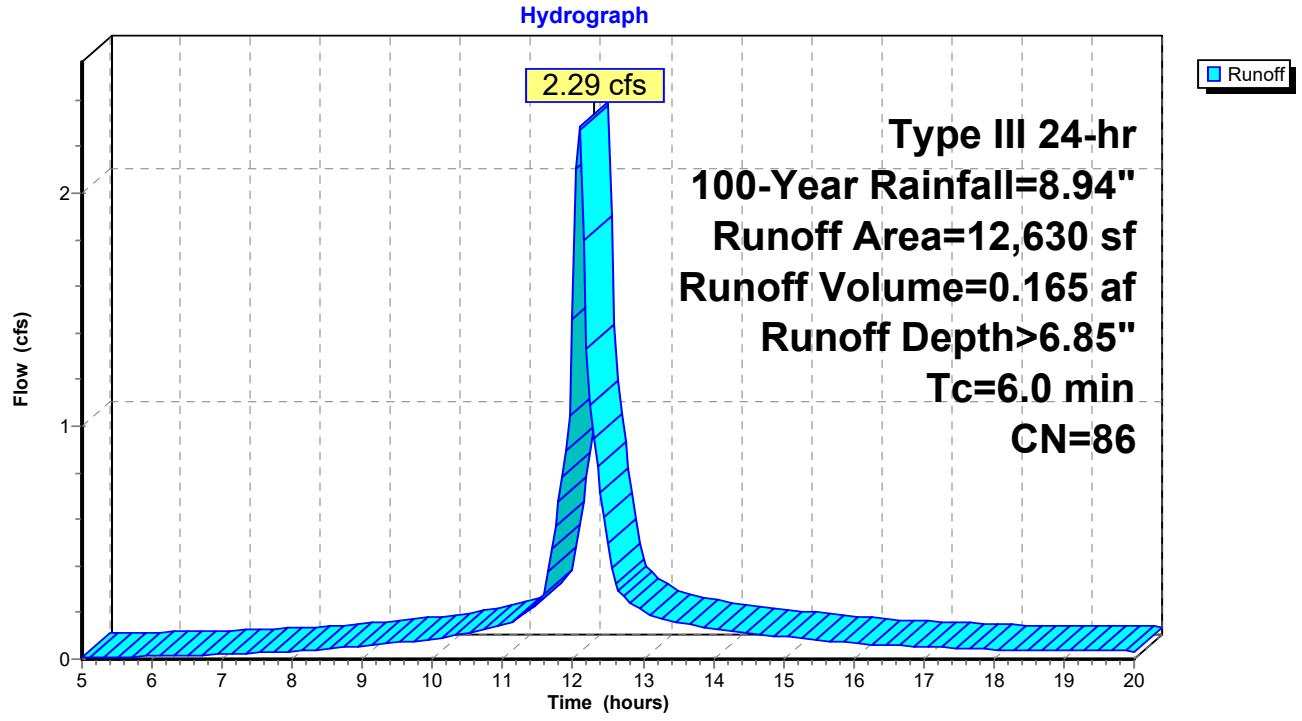
Runoff = 2.29 cfs @ 12.09 hrs, Volume= 0.165 af, Depth> 6.85"
Routed to Pond 112P : CB 45

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
4,541	74	>75% Grass cover, Good, HSG C
2,275	98	Unconnected roofs, HSG C
693	39	>75% Grass cover, Good, HSG A
412	98	Paved parking, HSG A
4,709	98	Paved parking, HSG C
12,630	86	Weighted Average
5,234		41.44% Pervious Area
7,396		58.56% Impervious Area
2,275		30.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 78S: P1S



Summary for Subcatchment 79S: P1T

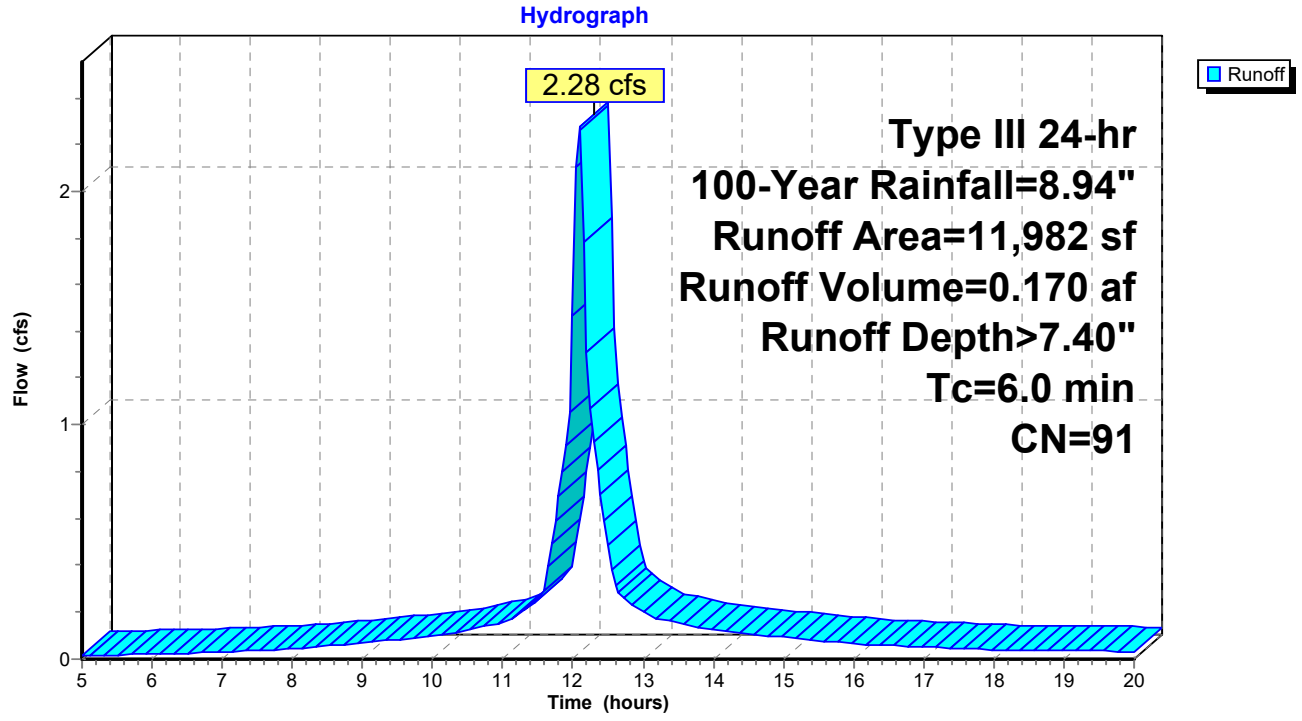
Runoff = 2.28 cfs @ 12.09 hrs, Volume= 0.170 af, Depth> 7.40"
Routed to Pond 122P : CB 46

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,187	74	>75% Grass cover, Good, HSG C
2,930	98	Unconnected roofs, HSG C
118	39	>75% Grass cover, Good, HSG A
214	98	Paved parking, HSG A
5,533	98	Paved parking, HSG C
11,982	91	Weighted Average
3,305		27.58% Pervious Area
8,677		72.42% Impervious Area
2,930		33.77% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 79S: P1T



Summary for Subcatchment 80S: P3KK

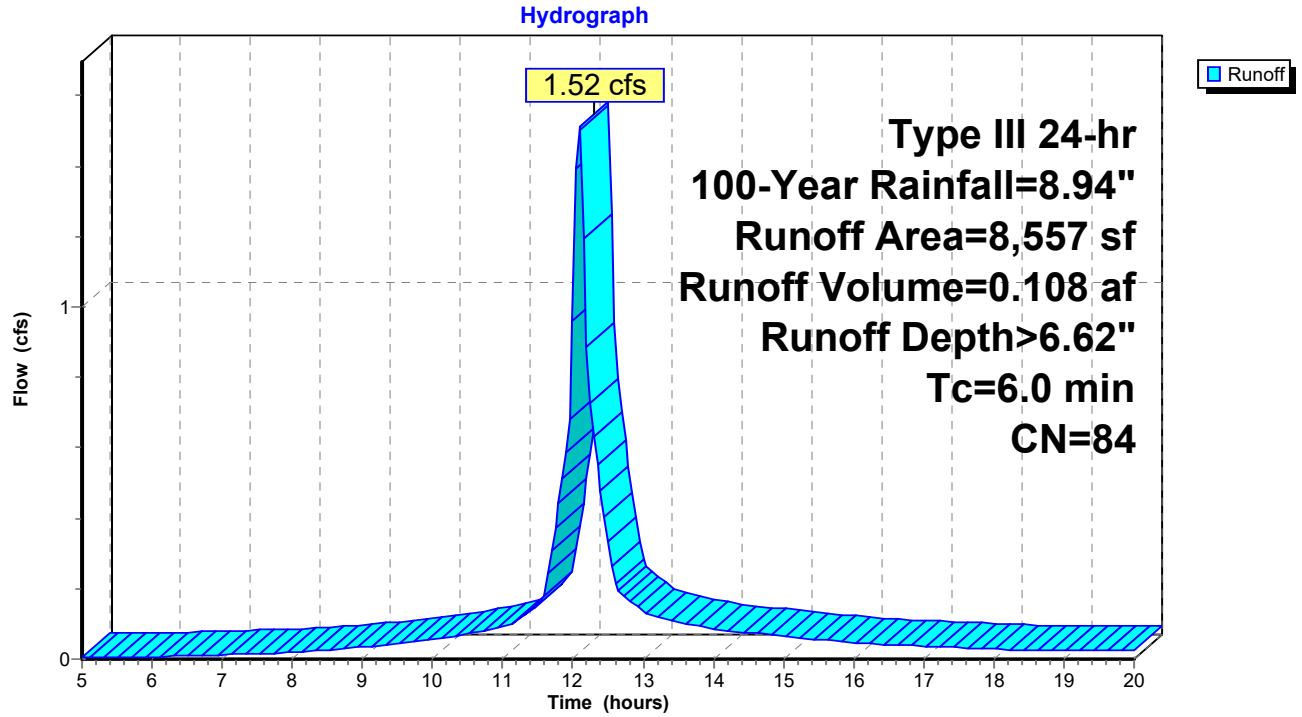
Runoff = 1.52 cfs @ 12.09 hrs, Volume= 0.108 af, Depth> 6.62"
Routed to Pond 125P : CB 36

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,989	39	>75% Grass cover, Good, HSG A
4,268	98	Unconnected roofs, HSG A
2,300	98	Paved parking, HSG A
8,557	84	Weighted Average
1,989		23.24% Pervious Area
6,568		76.76% Impervious Area
4,268		64.98% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 80S: P3KK



Summary for Subcatchment 81S: P3LL

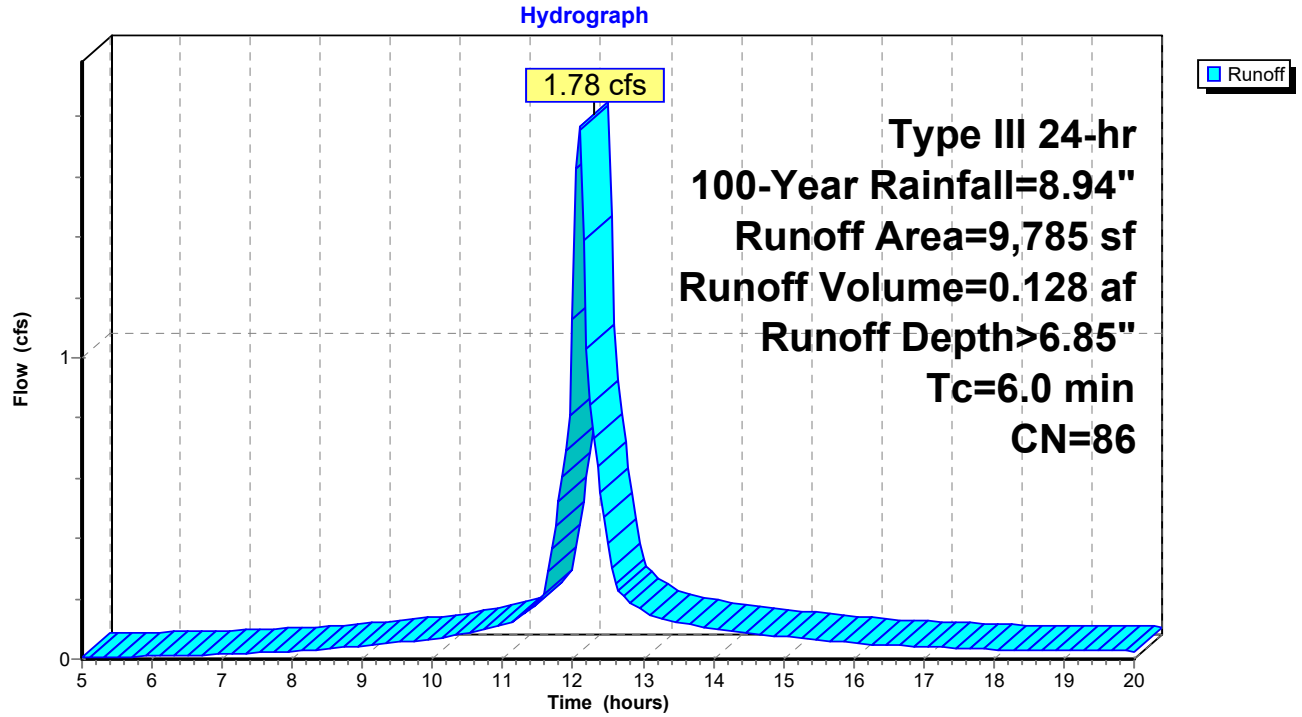
Runoff = 1.78 cfs @ 12.09 hrs, Volume= 0.128 af, Depth> 6.85"
Routed to Pond 126P : CB 37

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,037	39	>75% Grass cover, Good, HSG A
4,991	98	Unconnected roofs, HSG A
2,757	98	Paved parking, HSG A
9,785	86	Weighted Average
2,037		20.82% Pervious Area
7,748		79.18% Impervious Area
4,991		64.42% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 81S: P3LL



Summary for Subcatchment 82S: P3SS

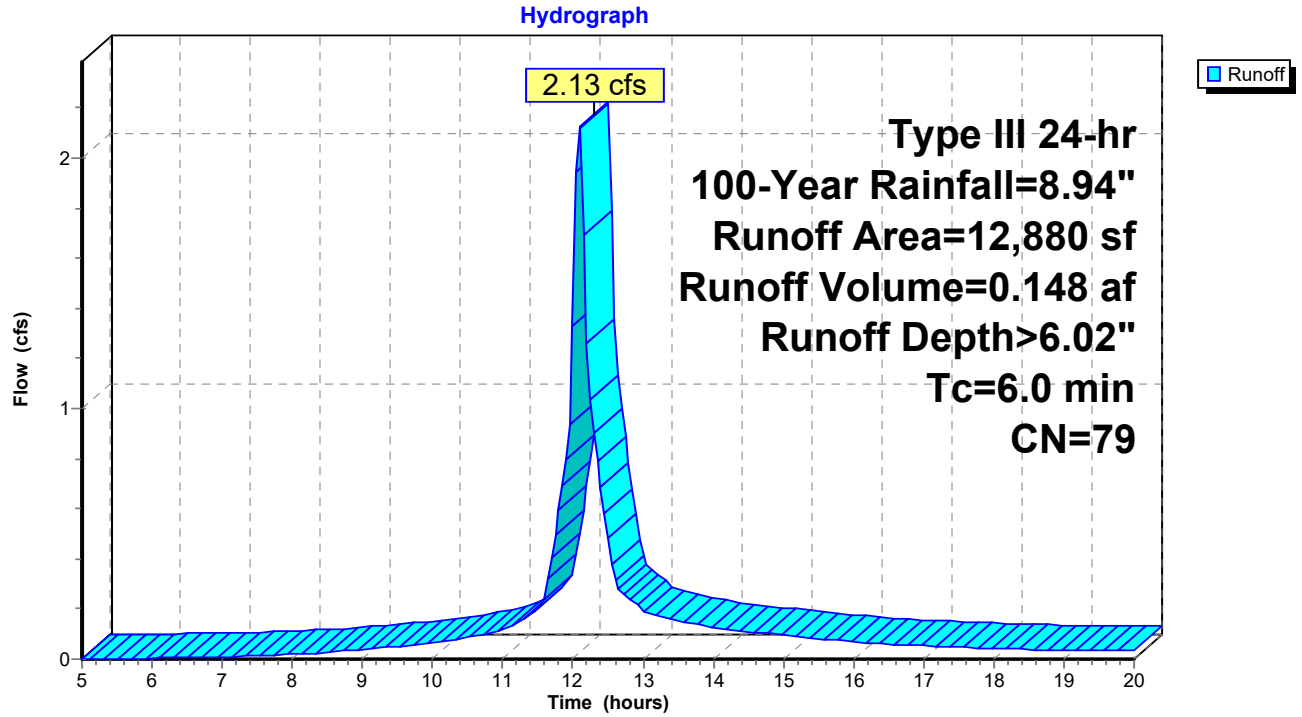
Runoff = 2.13 cfs @ 12.09 hrs, Volume= 0.148 af, Depth> 6.02"
Routed to Pond 128P : CB 30

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
4,180	39	>75% Grass cover, Good, HSG A
3,055	98	Unconnected roofs, HSG A
5,645	98	Paved parking, HSG A
12,880	79	Weighted Average
4,180		32.45% Pervious Area
8,700		67.55% Impervious Area
3,055		35.11% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 82S: P3SS



Summary for Subcatchment 83S: P2I

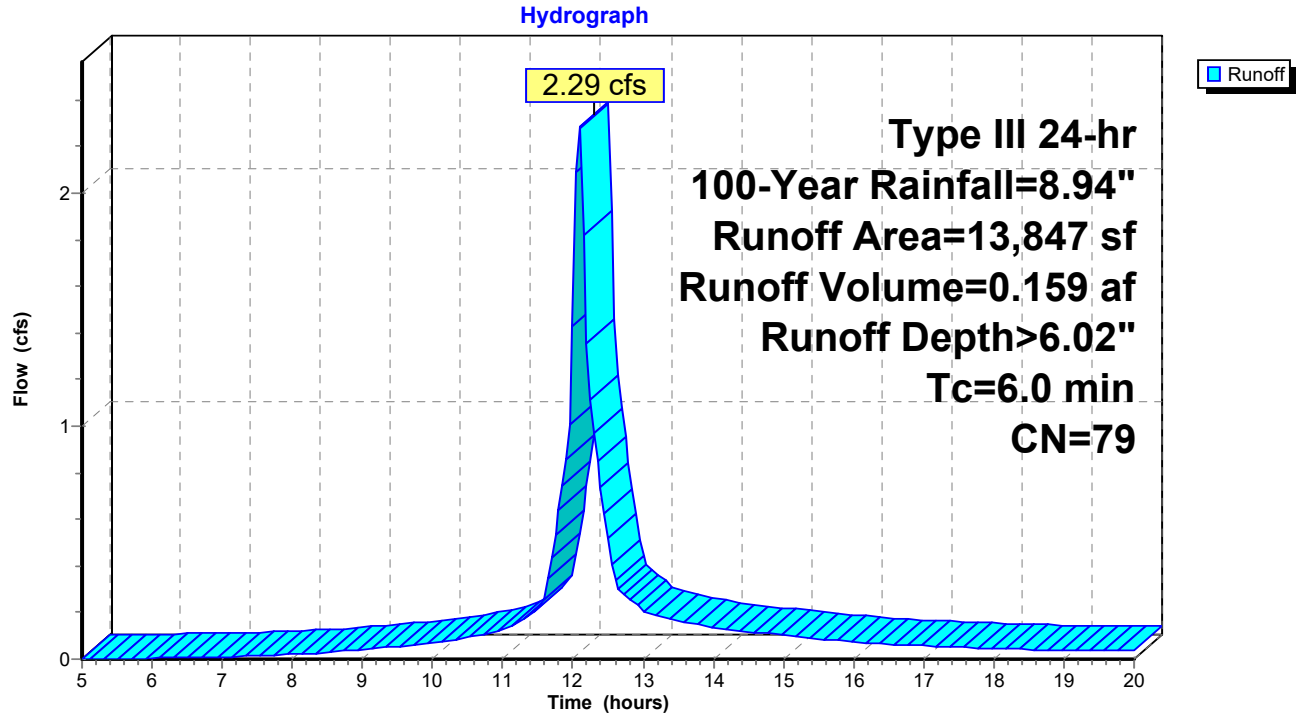
Runoff = 2.29 cfs @ 12.09 hrs, Volume= 0.159 af, Depth> 6.02"
Routed to Pond 82P : Constructed Wetland 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,861	39	>75% Grass cover, Good, HSG A
1,821	98	Unconnected roofs, HSG A
3,857	74	>75% Grass cover, Good, HSG C
597	98	Paved parking, HSG C
4,711	98	Paved parking, HSG A
13,847	79	Weighted Average
6,718		48.52% Pervious Area
7,129		51.48% Impervious Area
1,821		25.54% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 83S: P2I



Summary for Subcatchment 84S: P2AA

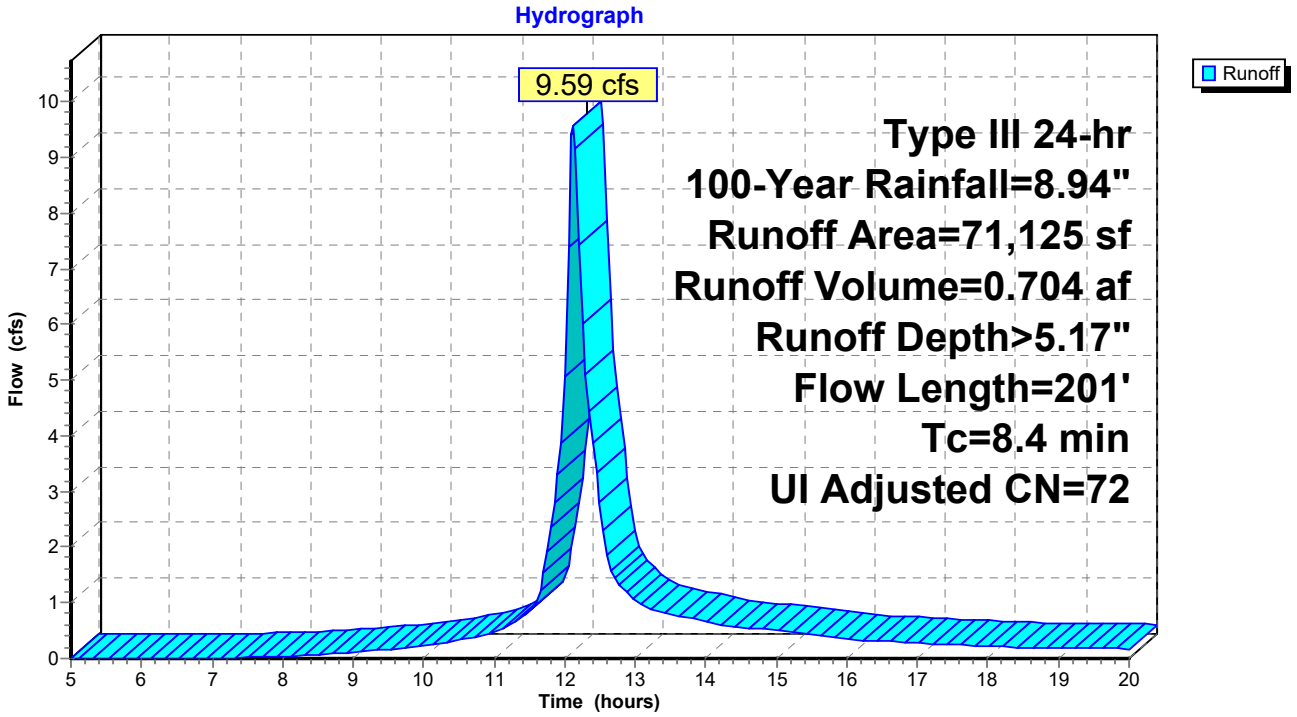
Runoff = 9.59 cfs @ 12.12 hrs, Volume= 0.704 af, Depth> 5.17"
Routed to Link 60L : DP 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
2,224	98		Unconnected roofs, HSG C
1,231	98		Unconnected pavement, HSG C
37,322	70		Woods, Good, HSG C
27,161	74		>75% Grass cover, Good, HSG C
242	98		Unconnected pavement, HSG A
1,399	39		>75% Grass cover, Good, HSG A
1,546	98		Unconnected roofs, HSG A
71,125	73	72	Weighted Average, UI Adjusted
65,882			92.63% Pervious Area
5,243			7.37% Impervious Area
5,243			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.7	50	0.0200	0.15		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
1.4	68	0.0140	0.83		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
0.4	57	0.1200	2.42		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
0.9	26	0.0100	0.50		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
8.4	201	Total			

Subcatchment 84S: P2AA



Summary for Subcatchment 85S: (new Subcat)

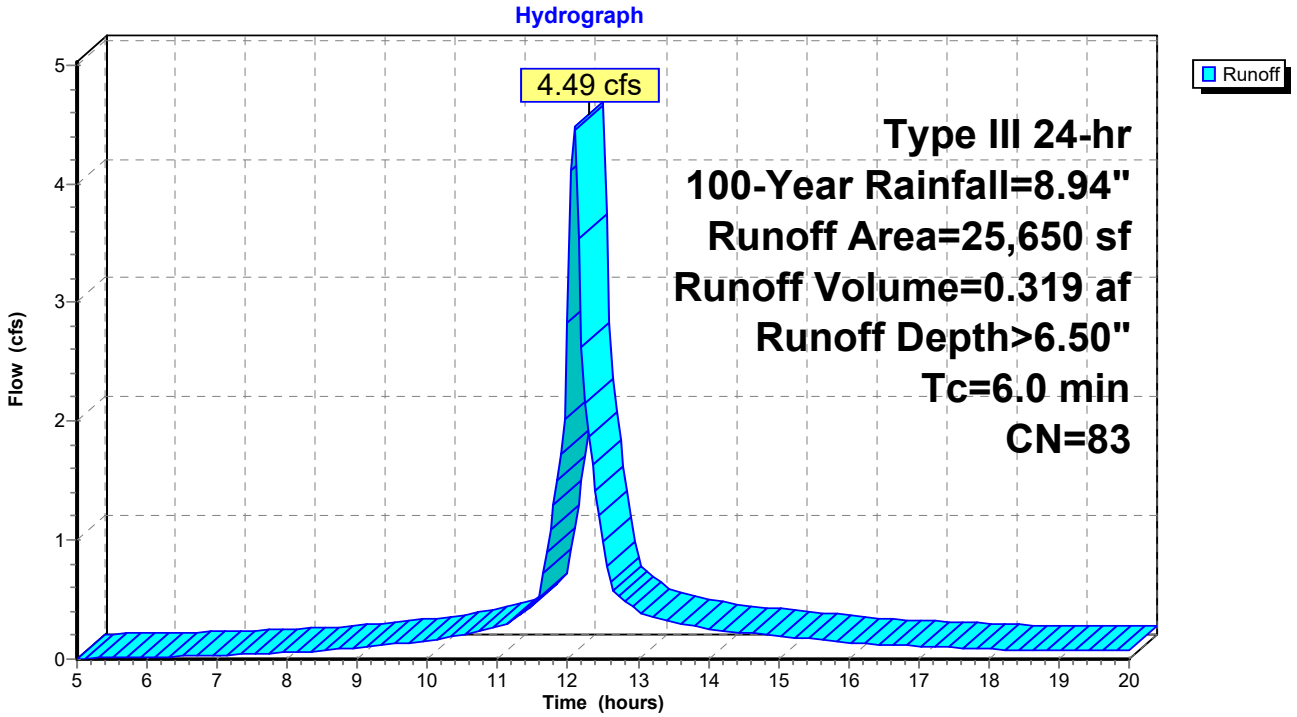
Runoff = 4.49 cfs @ 12.09 hrs, Volume= 0.319 af, Depth> 6.50"
Routed to Pond 86P : Sub. Inf. 6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
5,553	98	Roofs, HSG C
3,904	98	Unconnected pavement, HSG C
16,193	74	>75% Grass cover, Good, HSG C
25,650	83	Weighted Average
16,193		63.13% Pervious Area
9,457		36.87% Impervious Area
3,904		41.28% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 85S: (new Subcat)



Summary for Subcatchment 86S: P3TT

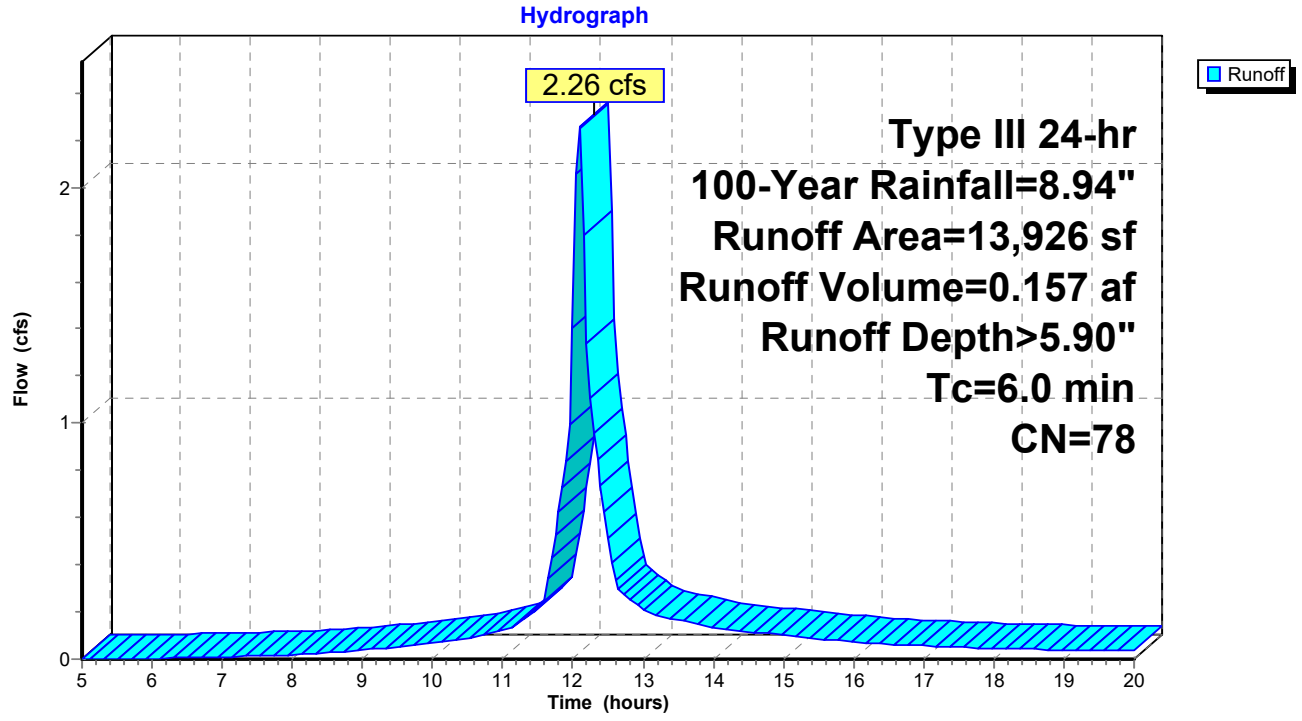
Runoff = 2.26 cfs @ 12.09 hrs, Volume= 0.157 af, Depth> 5.90"
Routed to Pond 140P : CB 31

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
956	98	Unconnected roofs, HSG C
672	74	>75% Grass cover, Good, HSG C
4,346	39	>75% Grass cover, Good, HSG A
1,468	98	Unconnected roofs, HSG A
6,484	98	Paved parking, HSG A
13,926	78	Weighted Average
5,018		36.03% Pervious Area
8,908		63.97% Impervious Area
2,424		27.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 86S: P3TT



Summary for Subcatchment 87S: P3A

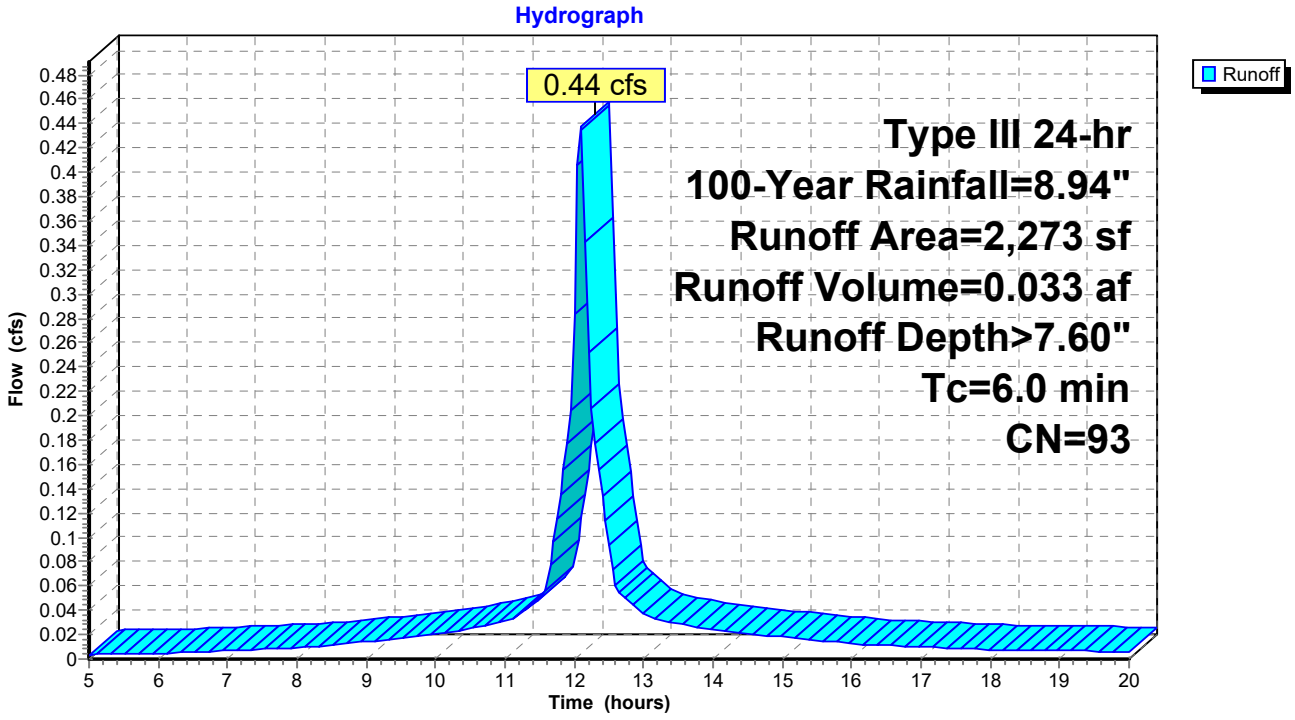
Runoff = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af, Depth> 7.60"
Routed to Pond 89P : CB 74

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
450	74	>75% Grass cover, Good, HSG C
1,823	98	Paved parking, HSG C
2,273	93	Weighted Average
450		19.80% Pervious Area
1,823		80.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 87S: P3A



Summary for Subcatchment 88S: P3B

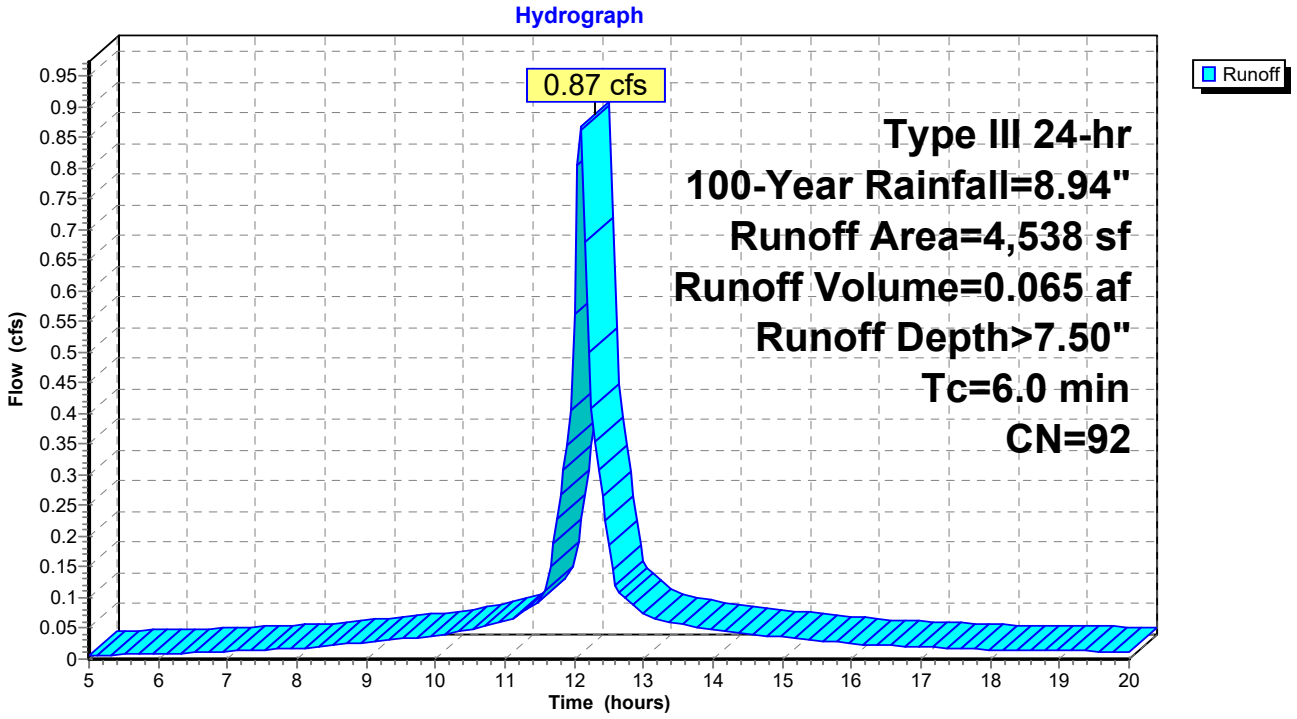
Runoff = 0.87 cfs @ 12.09 hrs, Volume= 0.065 af, Depth> 7.50"
Routed to Pond 90P : CB 75

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,048	74	>75% Grass cover, Good, HSG C
1,562	98	Unconnected roofs, HSG C
1,928	98	Paved parking, HSG C
4,538	92	Weighted Average
1,048		23.09% Pervious Area
3,490		76.91% Impervious Area
1,562		44.76% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 88S: P3B



Summary for Subcatchment 89S: P3AAA

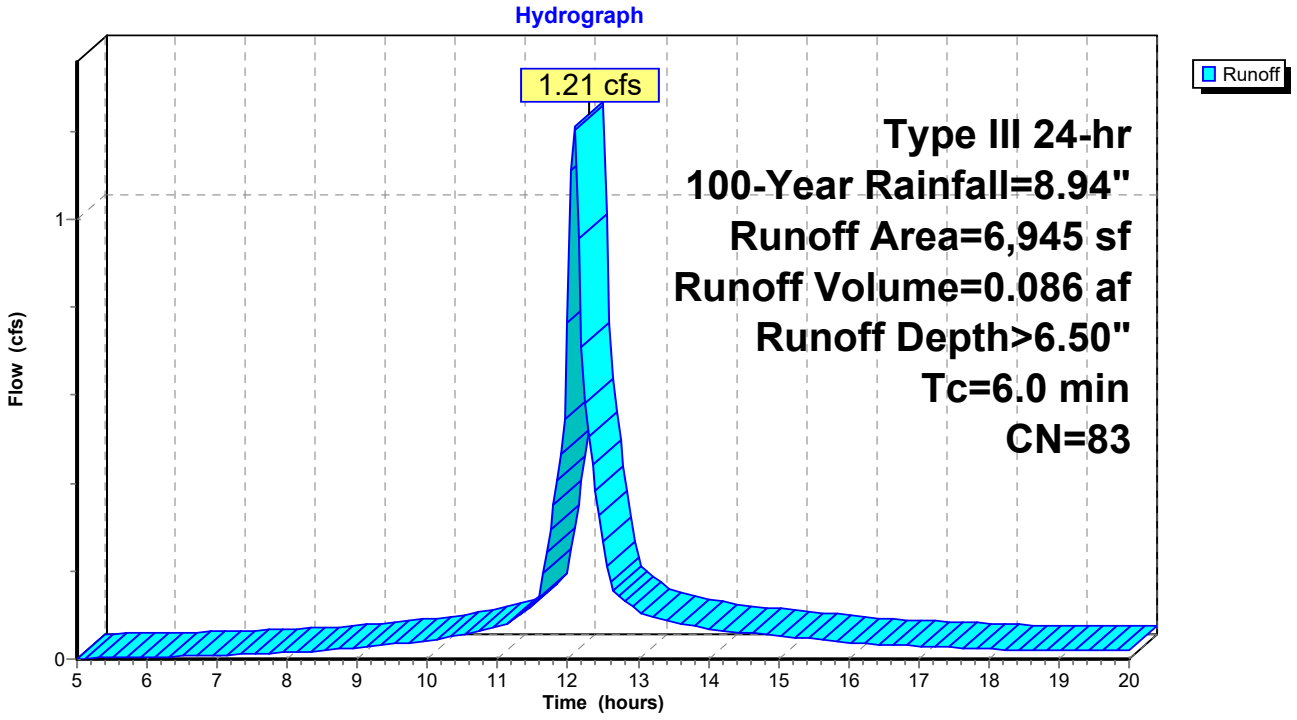
Runoff = 1.21 cfs @ 12.09 hrs, Volume= 0.086 af, Depth> 6.50"
Routed to Pond 151P : CB 22

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,761	39	>75% Grass cover, Good, HSG A
5,184	98	Paved parking, HSG A
6,945	83	Weighted Average
1,761		25.36% Pervious Area
5,184		74.64% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 89S: P3AAA



Summary for Subcatchment 90S: P3BBB

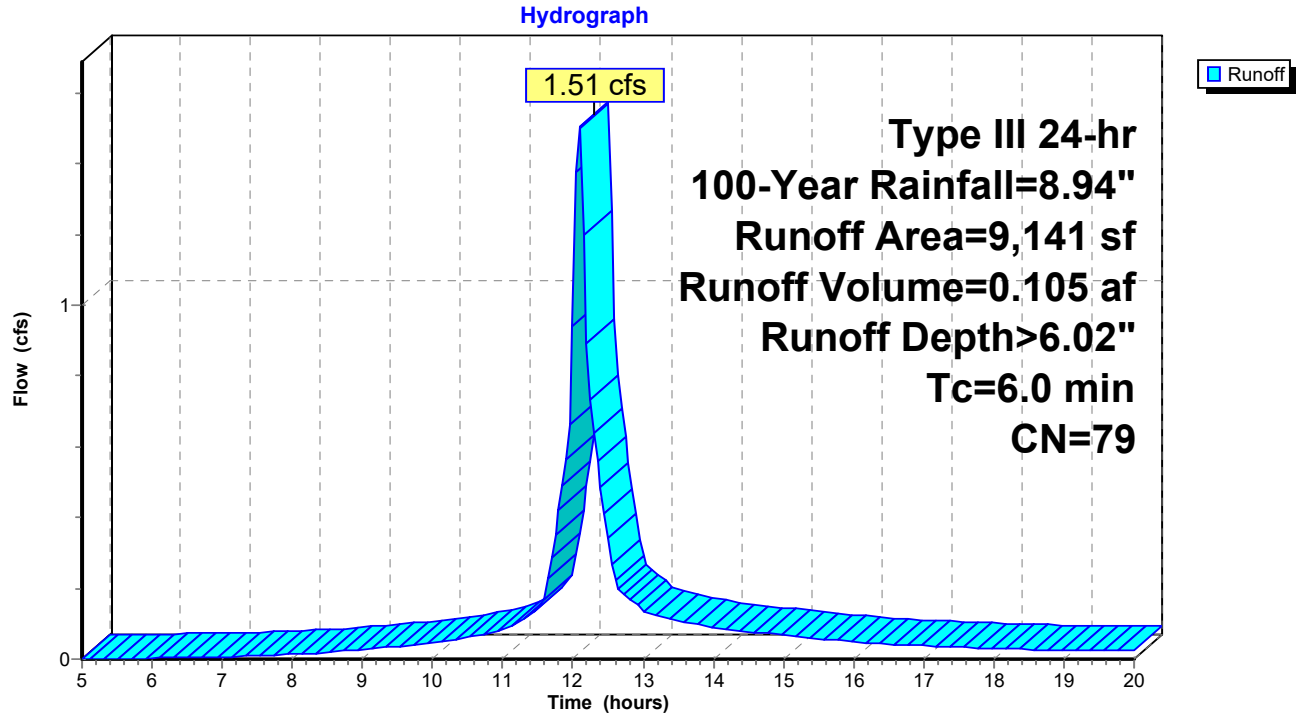
Runoff = 1.51 cfs @ 12.09 hrs, Volume= 0.105 af, Depth> 6.02"
Routed to Pond 152P : CB 23

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,961	39	>75% Grass cover, Good, HSG A
2,084	98	Unconnected roofs, HSG A
4,096	98	Paved parking, HSG A
9,141	79	Weighted Average
2,961		32.39% Pervious Area
6,180		67.61% Impervious Area
2,084		33.72% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 90S: P3BBB



Summary for Subcatchment 91S: P3GGG

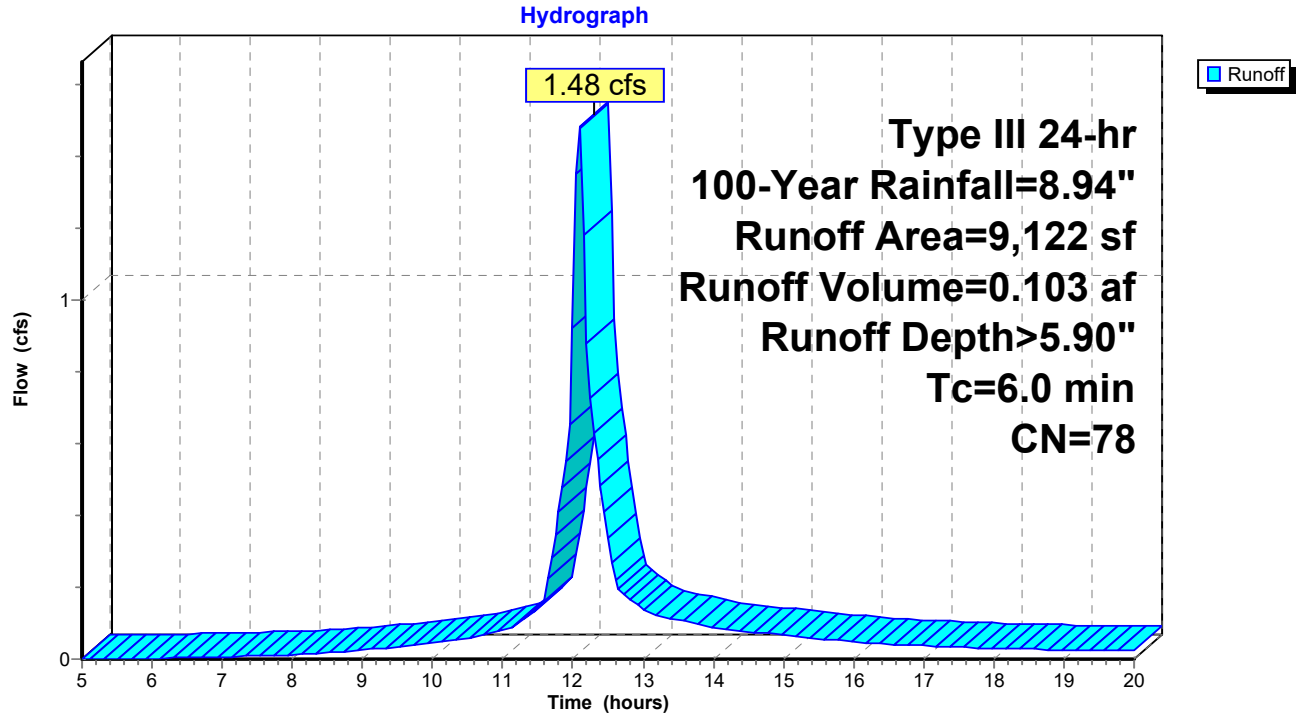
Runoff = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af, Depth> 5.90"
Routed to Pond 165P : CB 19

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,041	39	>75% Grass cover, Good, HSG A
3,271	98	Unconnected roofs, HSG A
2,810	98	Paved parking, HSG A
9,122	78	Weighted Average
3,041		33.34% Pervious Area
6,081		66.66% Impervious Area
3,271		53.79% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 91S: P3GGG



Summary for Subcatchment 92S: P3C

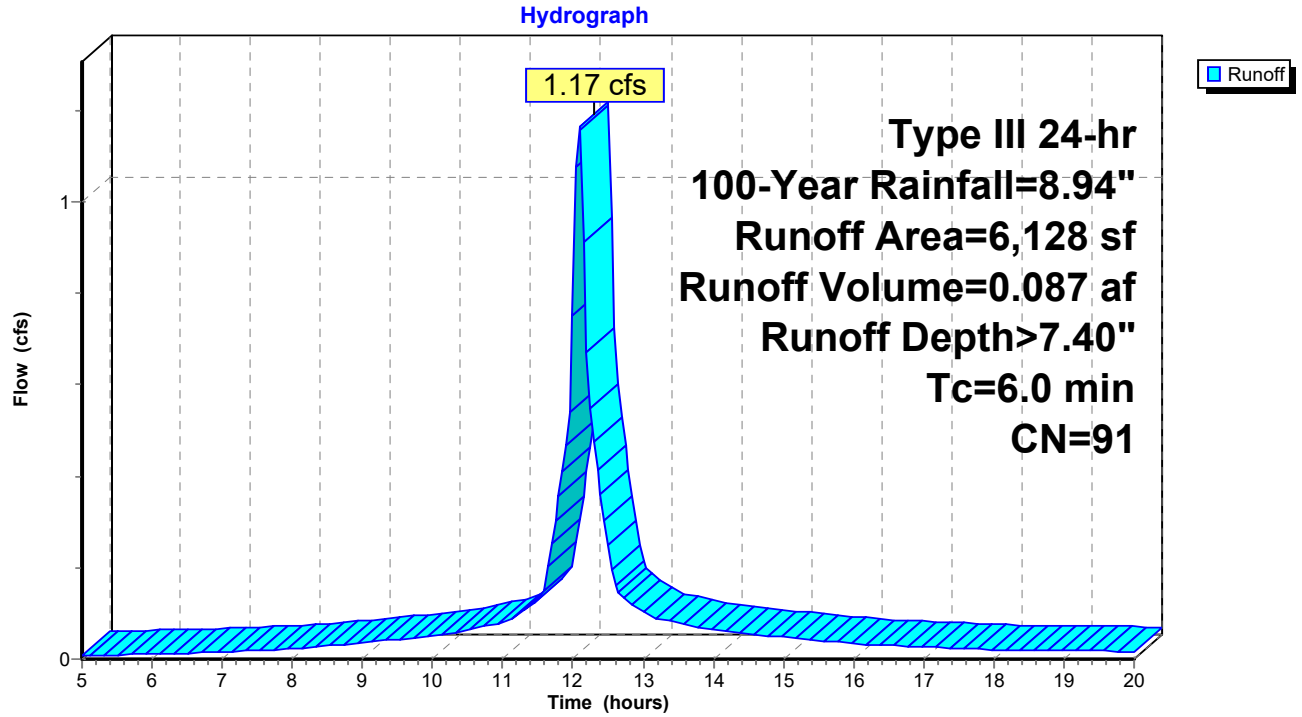
Runoff = 1.17 cfs @ 12.09 hrs, Volume= 0.087 af, Depth> 7.40"
Routed to Pond 95P : CB 76

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,796	74	>75% Grass cover, Good, HSG C
348	98	Unconnected roofs, HSG C
3,984	98	Paved parking, HSG C
6,128	91	Weighted Average
1,796		29.31% Pervious Area
4,332		70.69% Impervious Area
348		8.03% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 92S: P3C



Summary for Subcatchment 93S: P3D

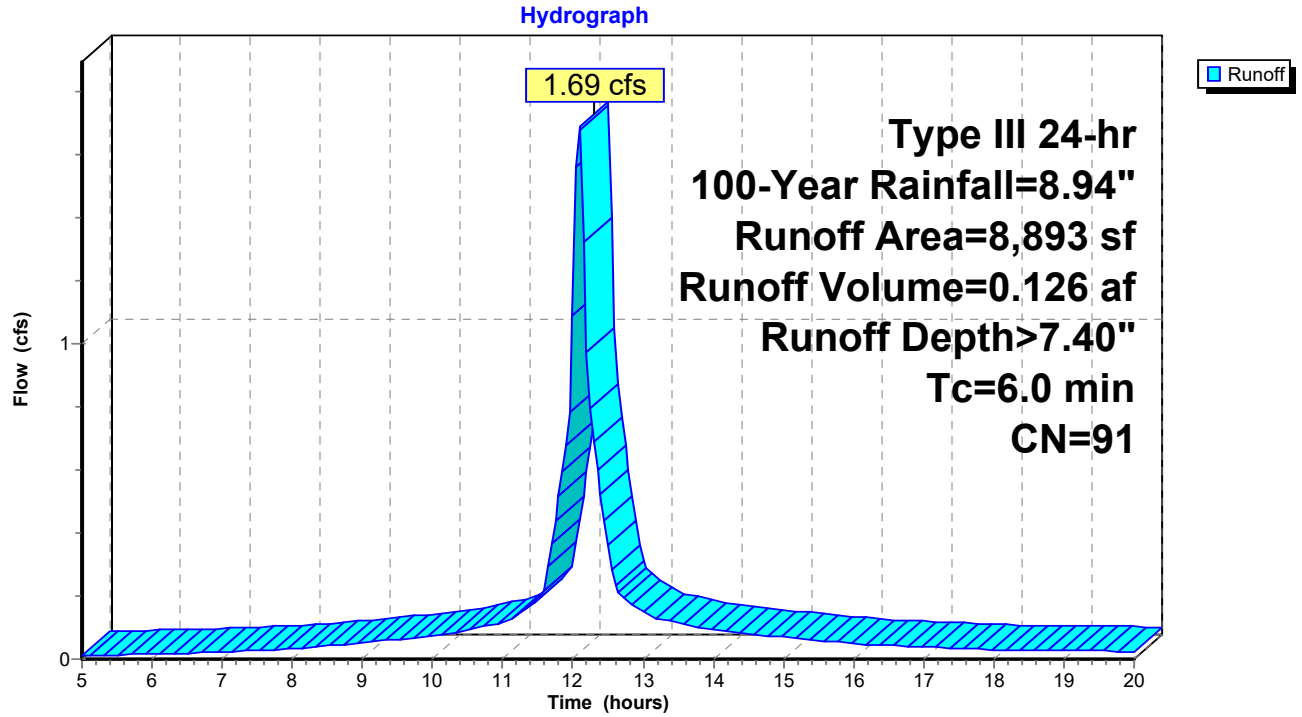
Runoff = 1.69 cfs @ 12.09 hrs, Volume= 0.126 af, Depth> 7.40"
Routed to Pond 94P : CB 77

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,560	74	>75% Grass cover, Good, HSG C
1,771	98	Unconnected roofs, HSG C
4,562	98	Paved parking, HSG C
8,893	91	Weighted Average
2,560		28.79% Pervious Area
6,333		71.21% Impervious Area
1,771		27.96% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 93S: P3D



Summary for Subcatchment 94S: P3HHH

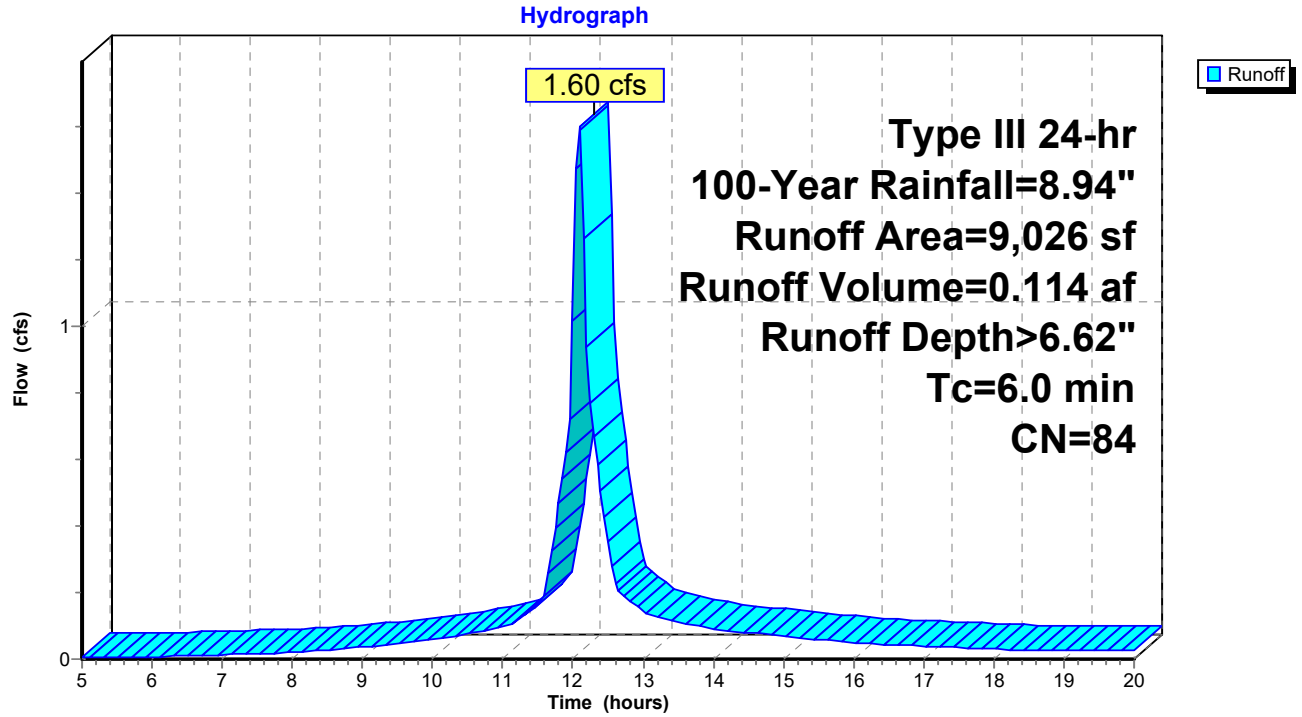
Runoff = 1.60 cfs @ 12.09 hrs, Volume= 0.114 af, Depth> 6.62"
Routed to Pond 154P : CB 18

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,098	39	>75% Grass cover, Good, HSG A
3,837	98	Unconnected roofs, HSG A
3,091	98	Paved parking, HSG A
9,026	84	Weighted Average
2,098		23.24% Pervious Area
6,928		76.76% Impervious Area
3,837		55.38% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 94S: P3HHH



Summary for Subcatchment 95S: P2X

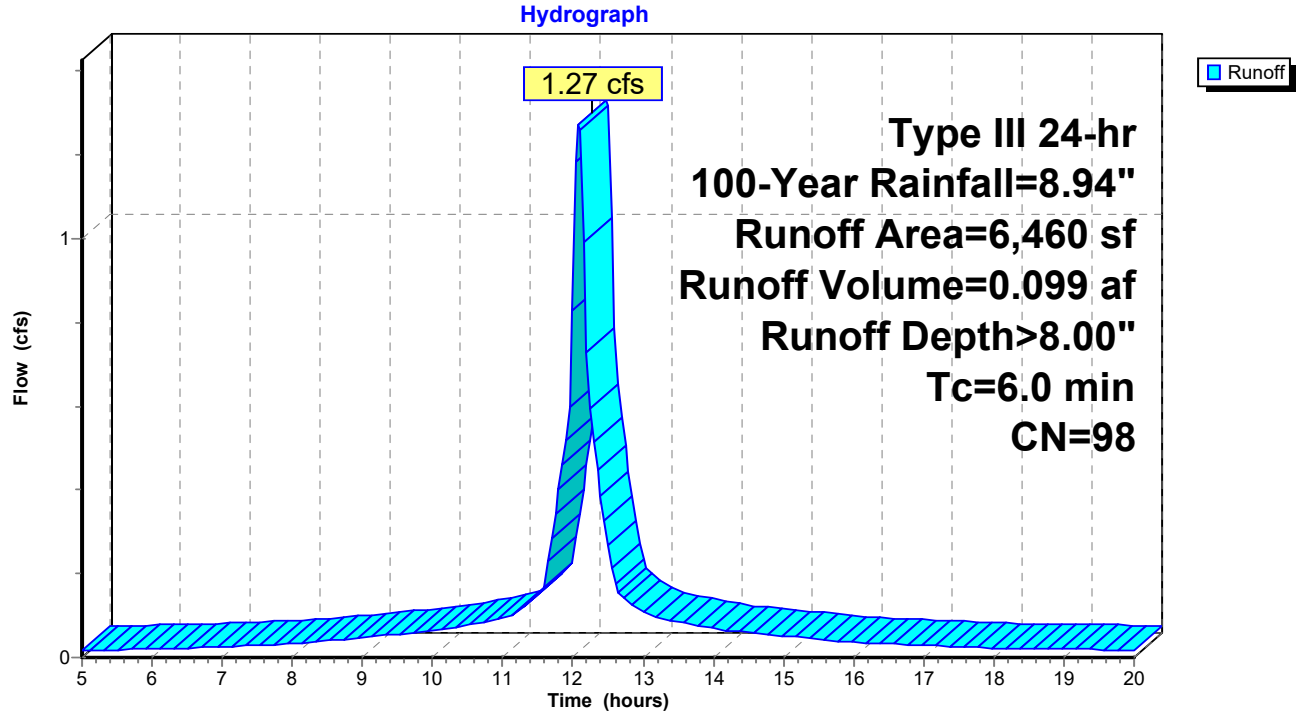
Runoff = 1.27 cfs @ 12.09 hrs, Volume= 0.099 af, Depth> 8.00"
Routed to Pond 79P : DMH 51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
6,460	98	Paved parking, HSG C
6,460		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 95S: P2X



Summary for Subcatchment 97S: P3G

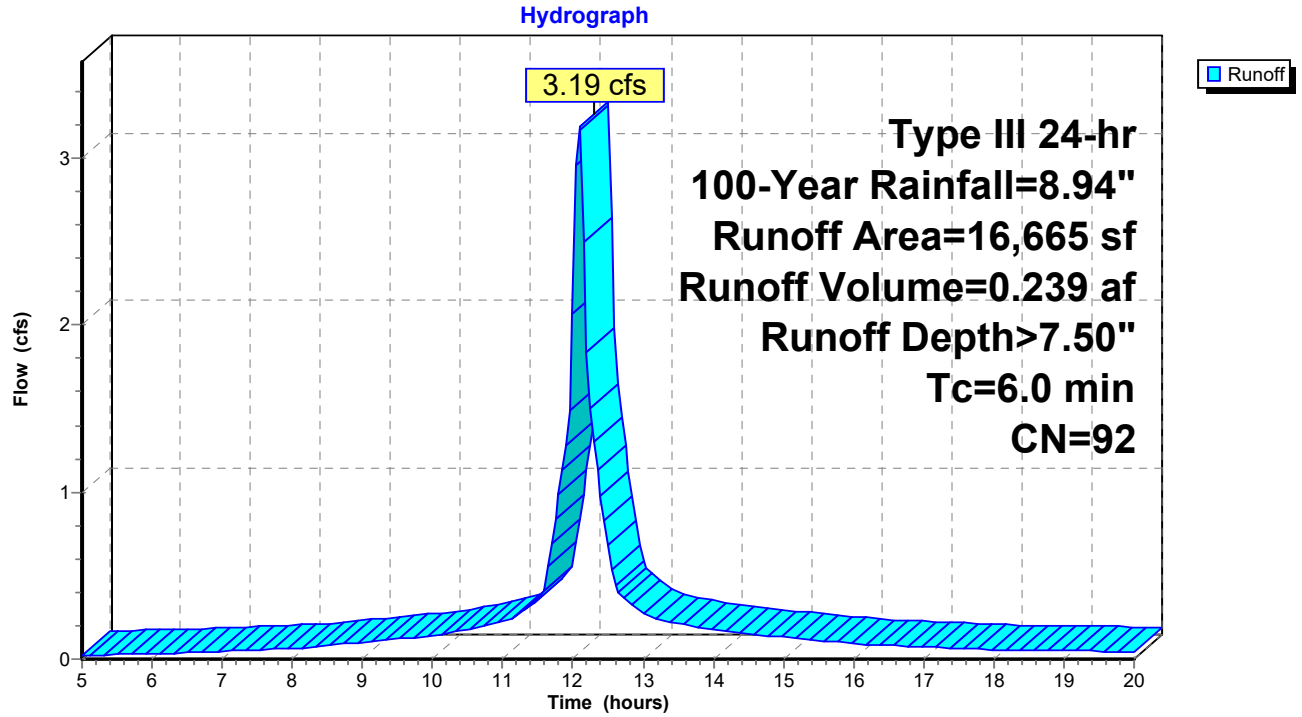
Runoff = 3.19 cfs @ 12.09 hrs, Volume= 0.239 af, Depth> 7.50"
Routed to Pond 100P : CB 80

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
4,471	74	>75% Grass cover, Good, HSG C
3,720	98	Unconnected roofs, HSG C
8,474	98	Paved parking, HSG C
16,665	92	Weighted Average
4,471		26.83% Pervious Area
12,194		73.17% Impervious Area
3,720		30.51% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 97S: P3G



Summary for Subcatchment 98S: P3H

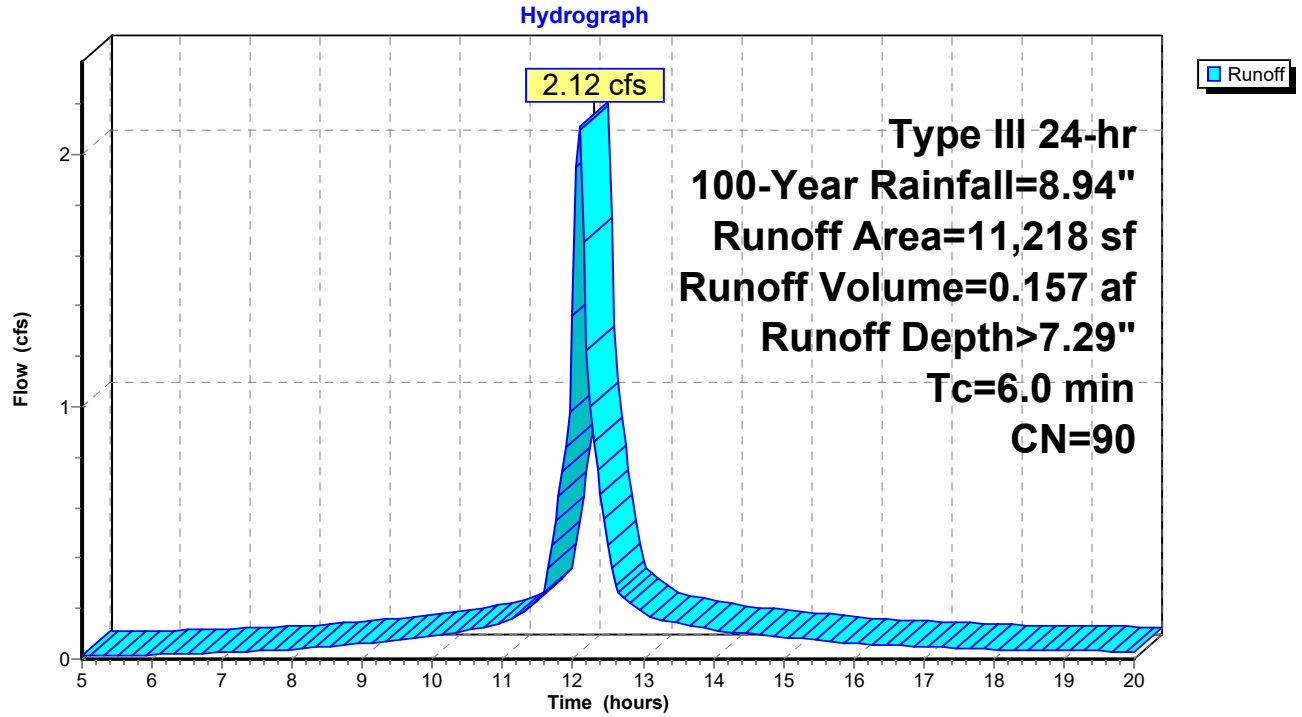
Runoff = 2.12 cfs @ 12.09 hrs, Volume= 0.157 af, Depth> 7.29"
Routed to Pond 99P : CB 81

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,581	74	>75% Grass cover, Good, HSG C
2,279	98	Unconnected roofs, HSG C
5,358	98	Paved parking, HSG C
11,218	90	Weighted Average
3,581		31.92% Pervious Area
7,637		68.08% Impervious Area
2,279		29.84% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 98S: P3H



Summary for Subcatchment 102S: P3J

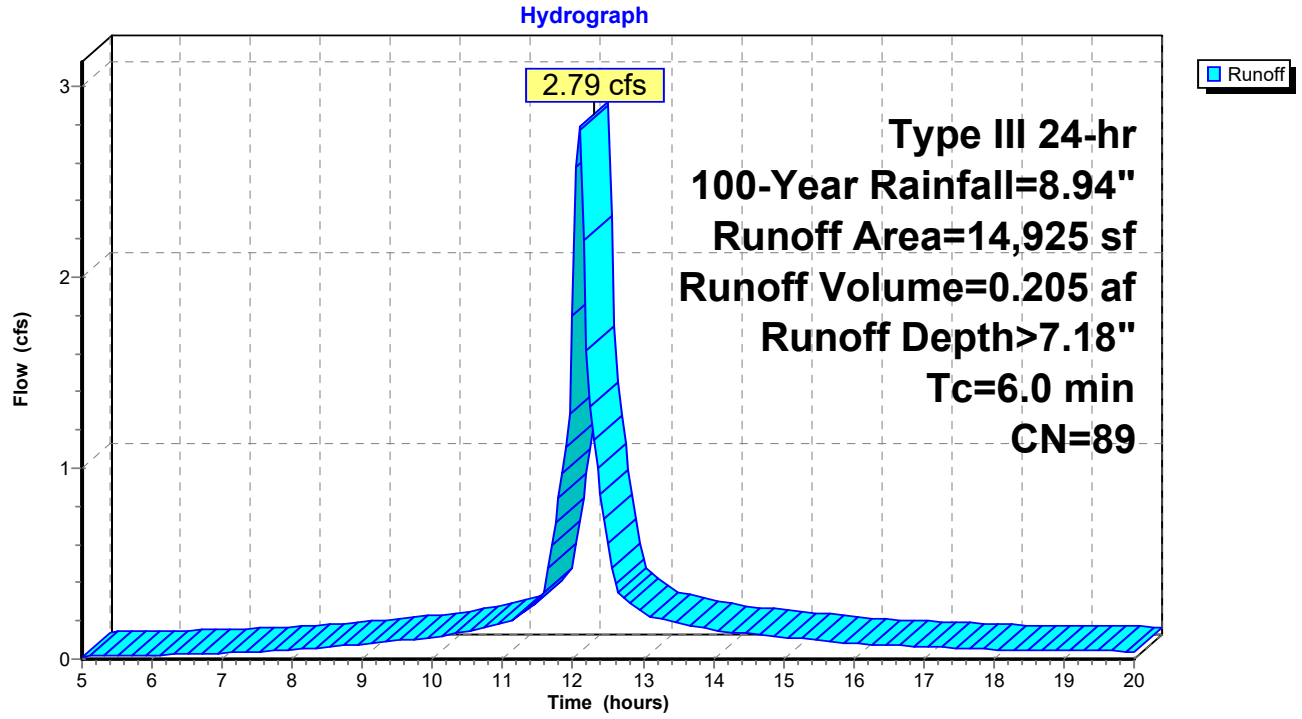
Runoff = 2.79 cfs @ 12.09 hrs, Volume= 0.205 af, Depth> 7.18"
Routed to Pond 104P : CB 83

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
5,342	74	>75% Grass cover, Good, HSG C
2,771	98	Unconnected roofs, HSG C
6,812	98	Paved parking, HSG C
14,925	89	Weighted Average
5,342		35.79% Pervious Area
9,583		64.21% Impervious Area
2,771		28.92% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 102S: P3J



Summary for Subcatchment 103S: P3I

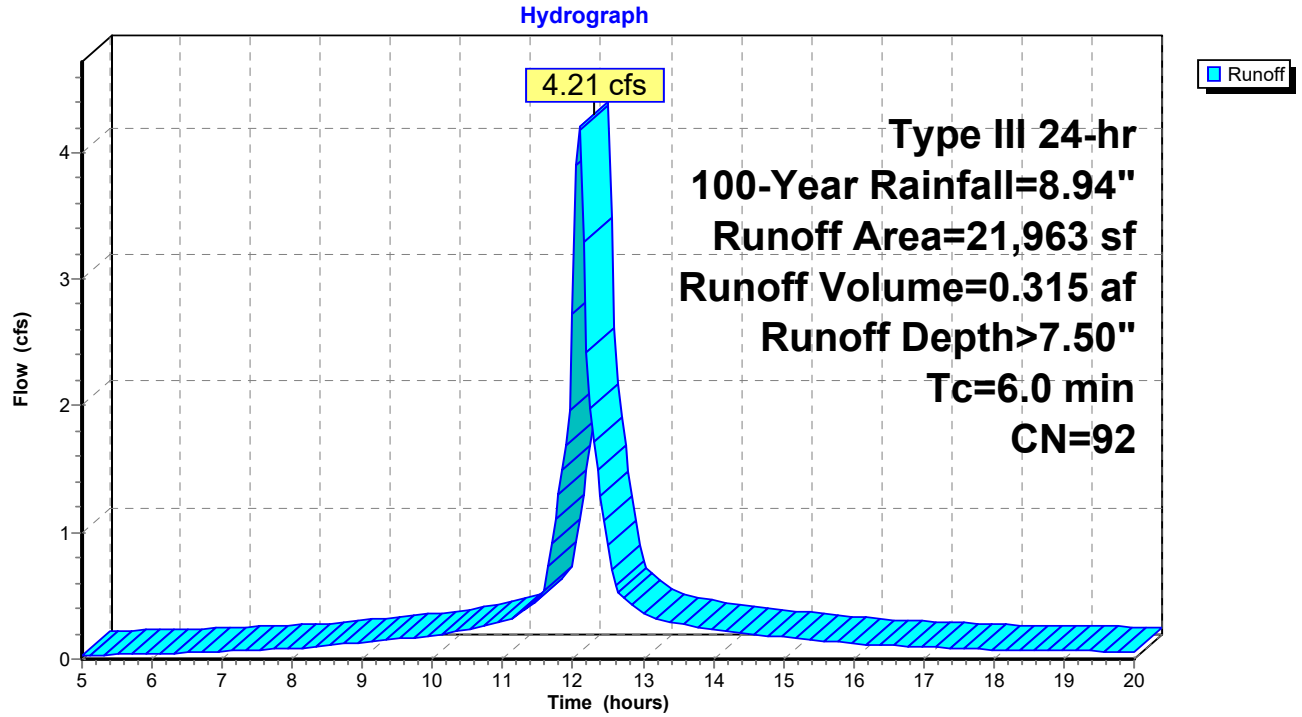
Runoff = 4.21 cfs @ 12.09 hrs, Volume= 0.315 af, Depth> 7.50"
Routed to Pond 105P : CB 82

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
5,534	74	>75% Grass cover, Good, HSG C
6,057	98	Unconnected roofs, HSG C
10,372	98	Paved parking, HSG C
21,963	92	Weighted Average
5,534		25.20% Pervious Area
16,429		74.80% Impervious Area
6,057		36.87% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 103S: P3I



Summary for Subcatchment 107S: P3E

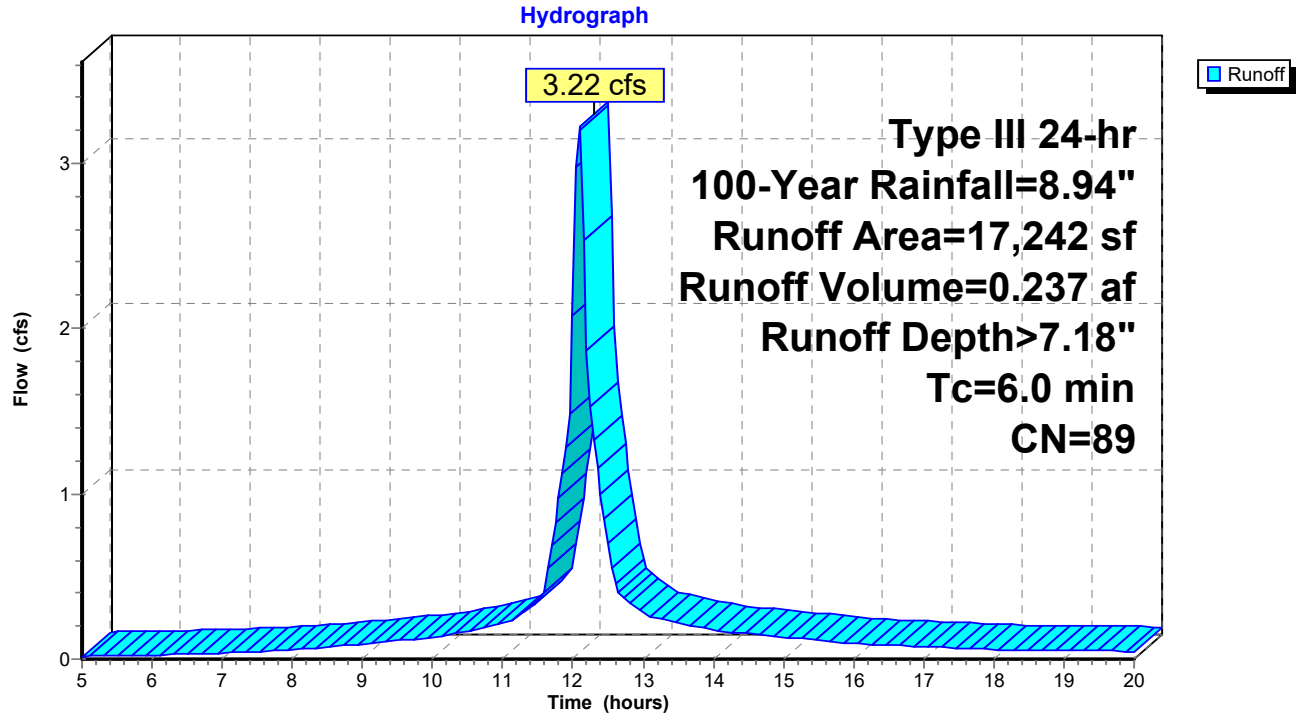
Runoff = 3.22 cfs @ 12.09 hrs, Volume= 0.237 af, Depth> 7.18"
Routed to Pond 110P : CB 78

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
6,163	74	>75% Grass cover, Good, HSG C
2,724	98	Unconnected roofs, HSG C
8,355	98	Paved parking, HSG C
17,242	89	Weighted Average
6,163		35.74% Pervious Area
11,079		64.26% Impervious Area
2,724		24.59% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 107S: P3E



Summary for Subcatchment 108S: P3F

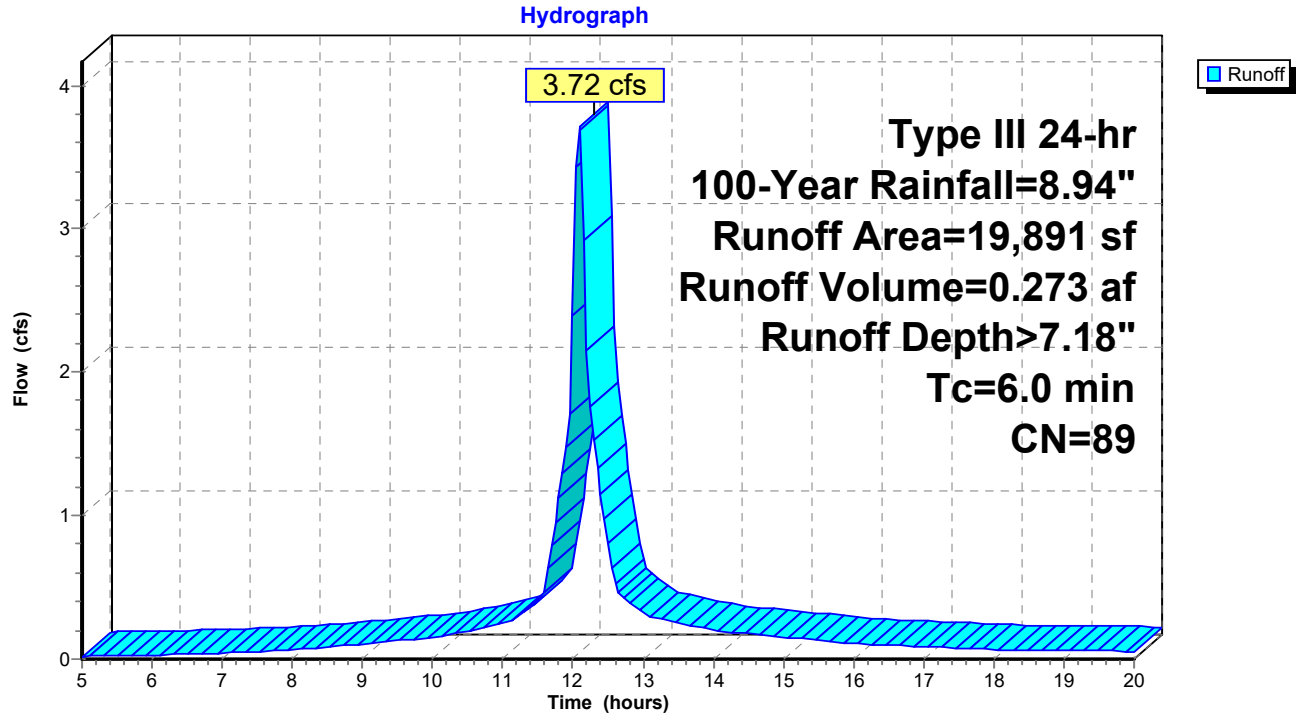
Runoff = 3.72 cfs @ 12.09 hrs, Volume= 0.273 af, Depth> 7.18"
Routed to Pond 109P : CB 79

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
7,073	74	>75% Grass cover, Good, HSG C
5,397	98	Unconnected roofs, HSG C
7,421	98	Paved parking, HSG C
19,891	89	Weighted Average
7,073		35.56% Pervious Area
12,818		64.44% Impervious Area
5,397		42.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 108S: P3F



Summary for Subcatchment 109S: P3T

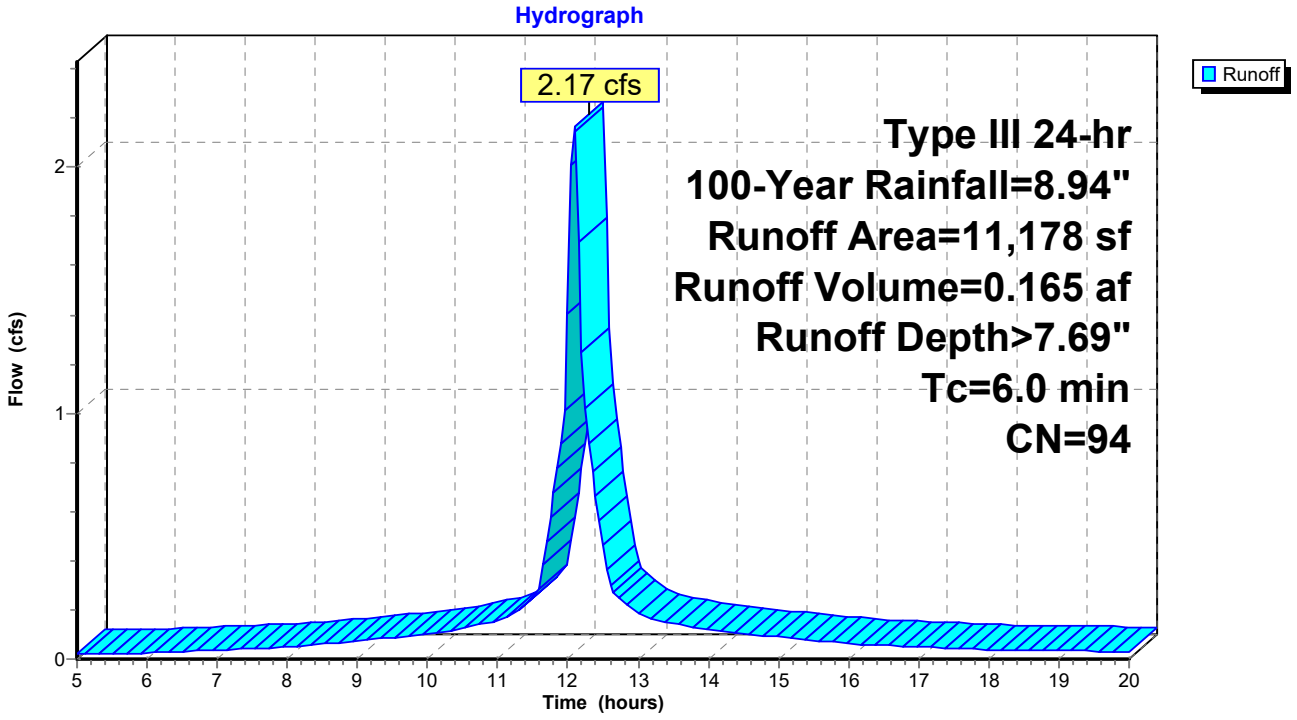
Runoff = 2.17 cfs @ 12.09 hrs, Volume= 0.165 af, Depth> 7.69"
Routed to Pond 116P : CB 90

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,856	74	>75% Grass cover, Good, HSG C
9,322	98	Paved parking, HSG C
11,178	94	Weighted Average
1,856		16.60% Pervious Area
9,322		83.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 109S: P3T



Summary for Subcatchment 110S: P3U

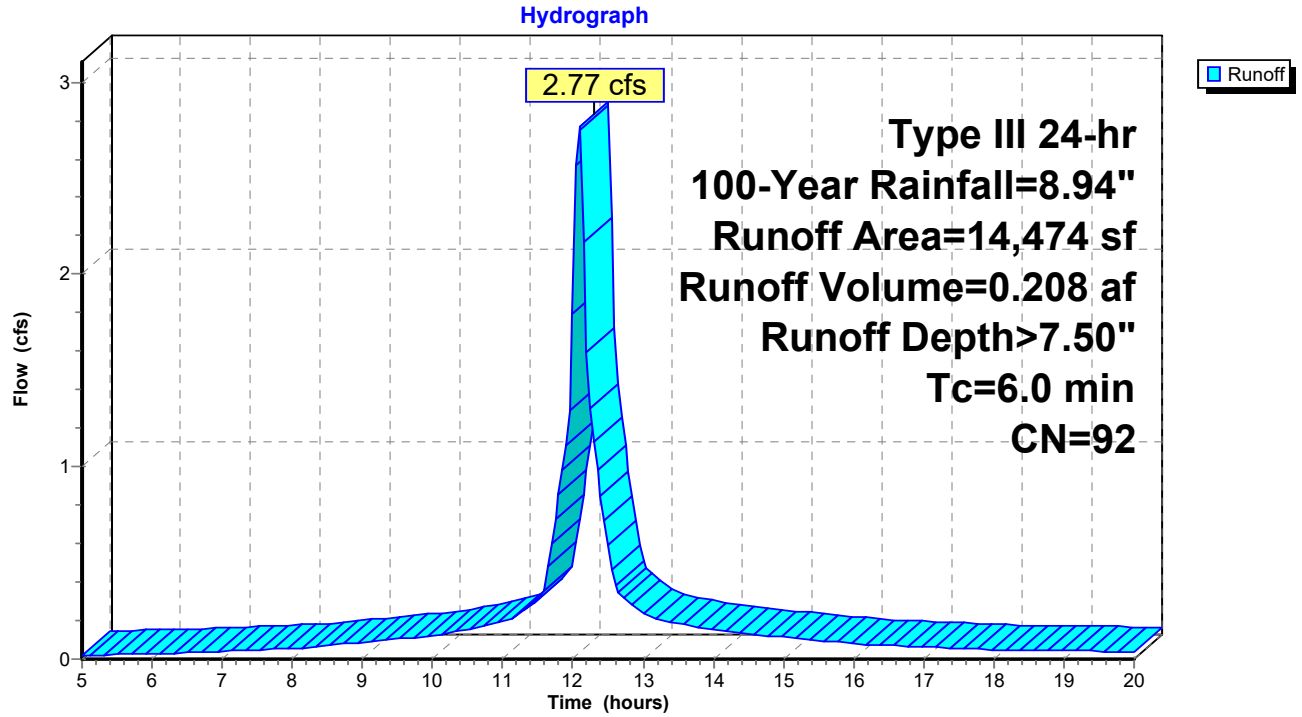
Runoff = 2.77 cfs @ 12.09 hrs, Volume= 0.208 af, Depth> 7.50"
Routed to Pond 115P : CB 91

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,423	74	>75% Grass cover, Good, HSG C
6,099	98	Unconnected roofs, HSG C
4,952	98	Paved parking, HSG C
14,474	92	Weighted Average
3,423		23.65% Pervious Area
11,051		76.35% Impervious Area
6,099		55.19% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 110S: P3U



Summary for Subcatchment 111S: P3V

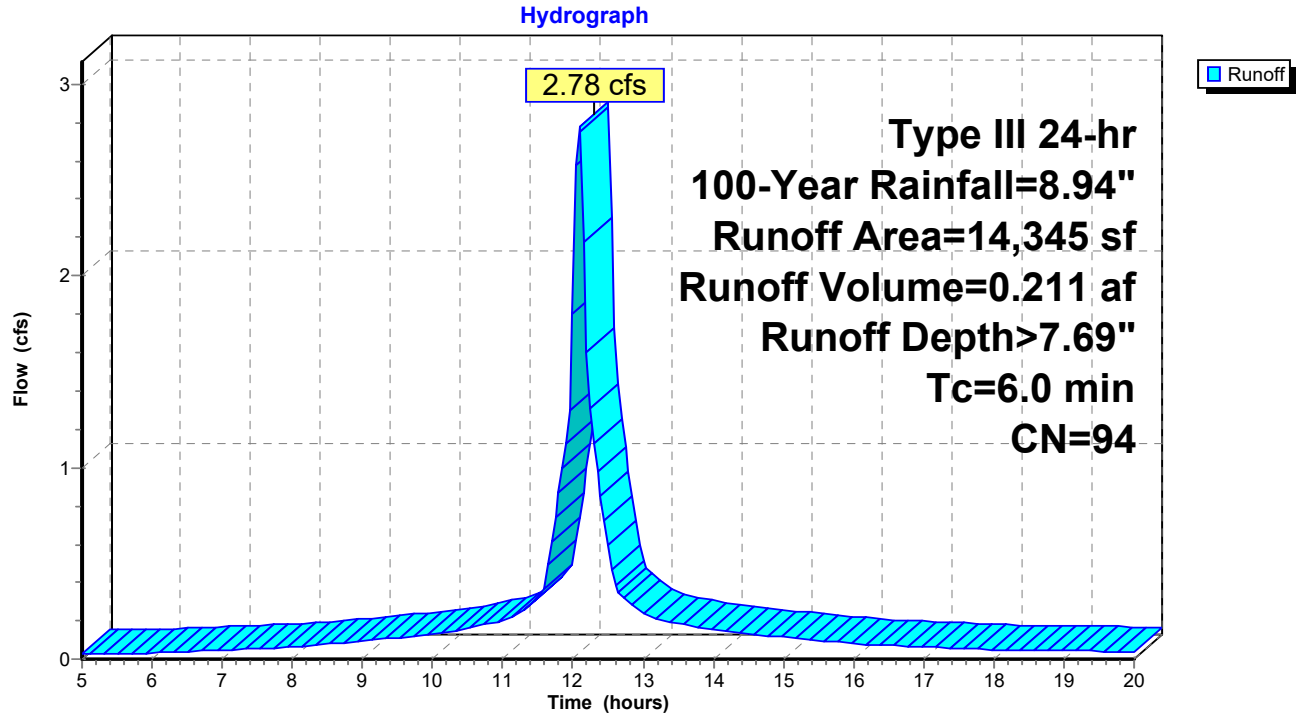
Runoff = 2.78 cfs @ 12.09 hrs, Volume= 0.211 af, Depth> 7.69"
Routed to Pond 114P : CB 94

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,512	74	>75% Grass cover, Good, HSG C
5,977	98	Unconnected roofs, HSG C
5,856	98	Paved parking, HSG C
14,345	94	Weighted Average
2,512		17.51% Pervious Area
11,833		82.49% Impervious Area
5,977		50.51% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 111S: P3V



Summary for Subcatchment 112S: P3W

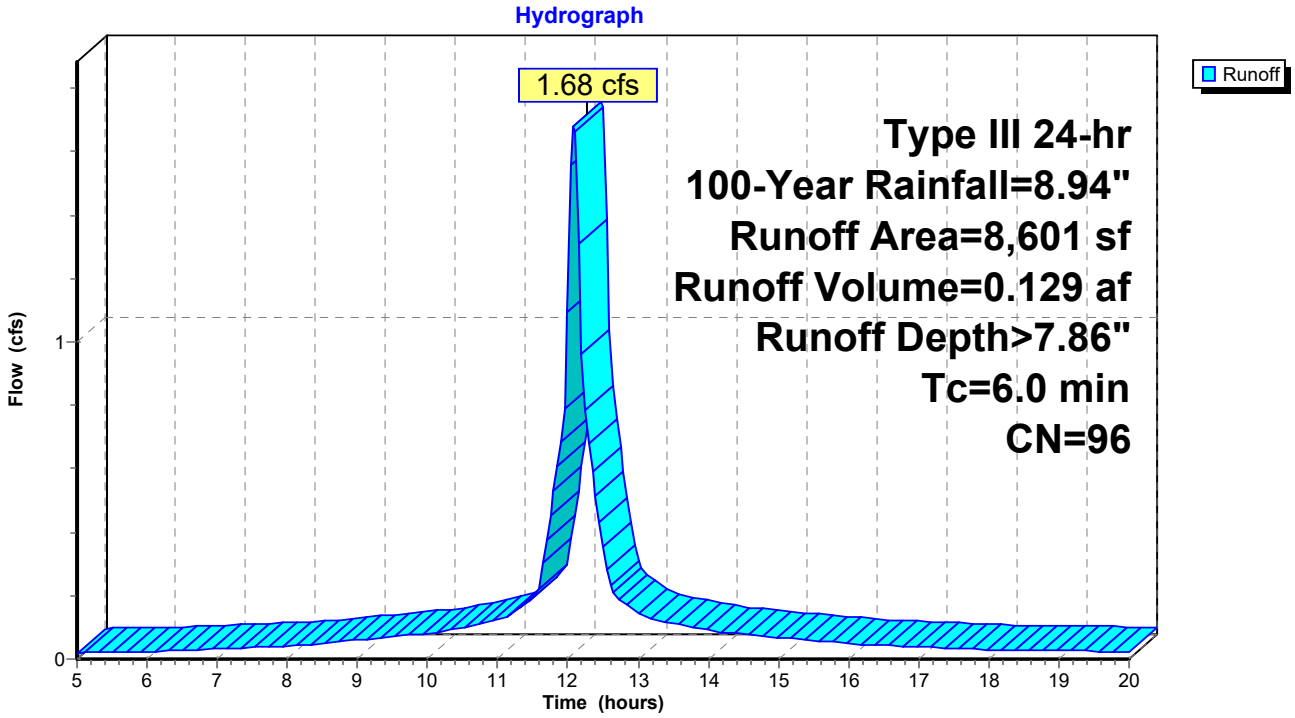
Runoff = 1.68 cfs @ 12.09 hrs, Volume= 0.129 af, Depth> 7.86"
Routed to Pond 113P : CB 95

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
719	74	>75% Grass cover, Good, HSG C
7,882	98	Paved parking, HSG C
8,601	96	Weighted Average
719		8.36% Pervious Area
7,882		91.64% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 112S: P3W



Summary for Subcatchment 125S: P3EE

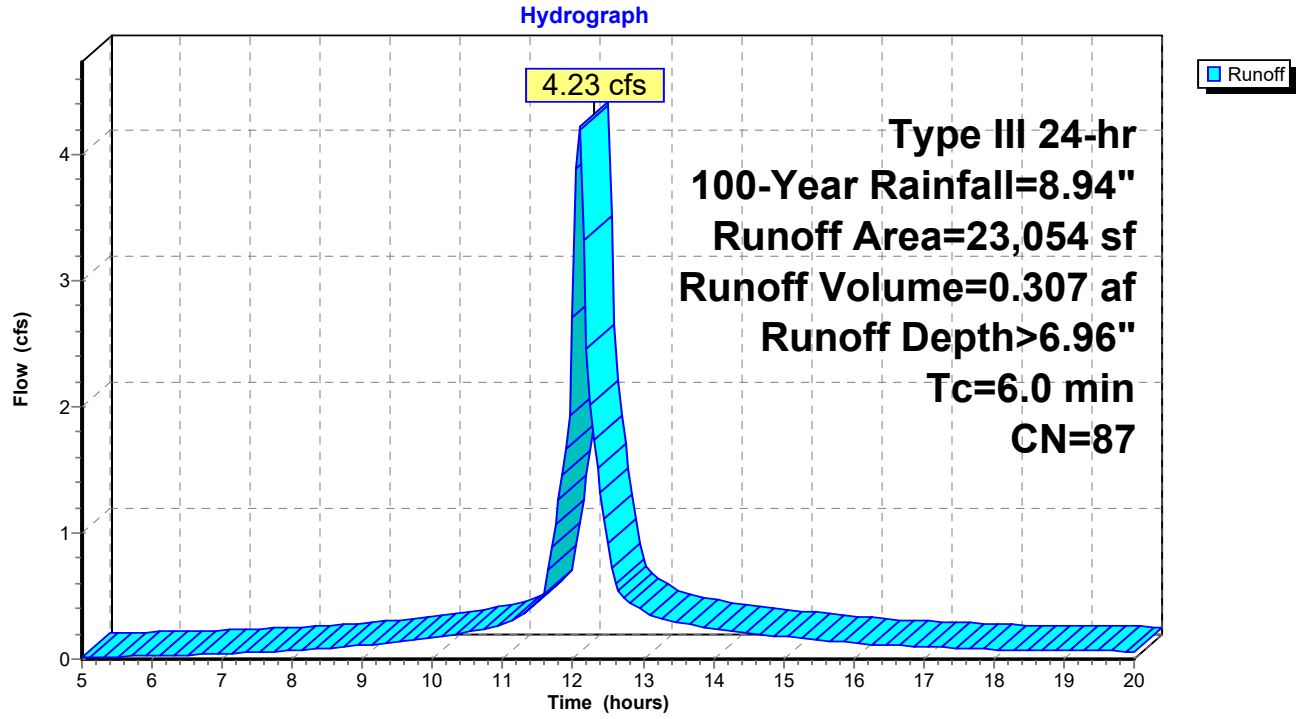
Runoff = 4.23 cfs @ 12.09 hrs, Volume= 0.307 af, Depth> 6.96"
Routed to Pond 130P : CB 32

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
4,338	39	>75% Grass cover, Good, HSG A
8,274	98	Unconnected roofs, HSG A
10,442	98	Paved parking, HSG A
23,054	87	Weighted Average
4,338		18.82% Pervious Area
18,716		81.18% Impervious Area
8,274		44.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 125S: P3EE



Summary for Subcatchment 126S: P3FF

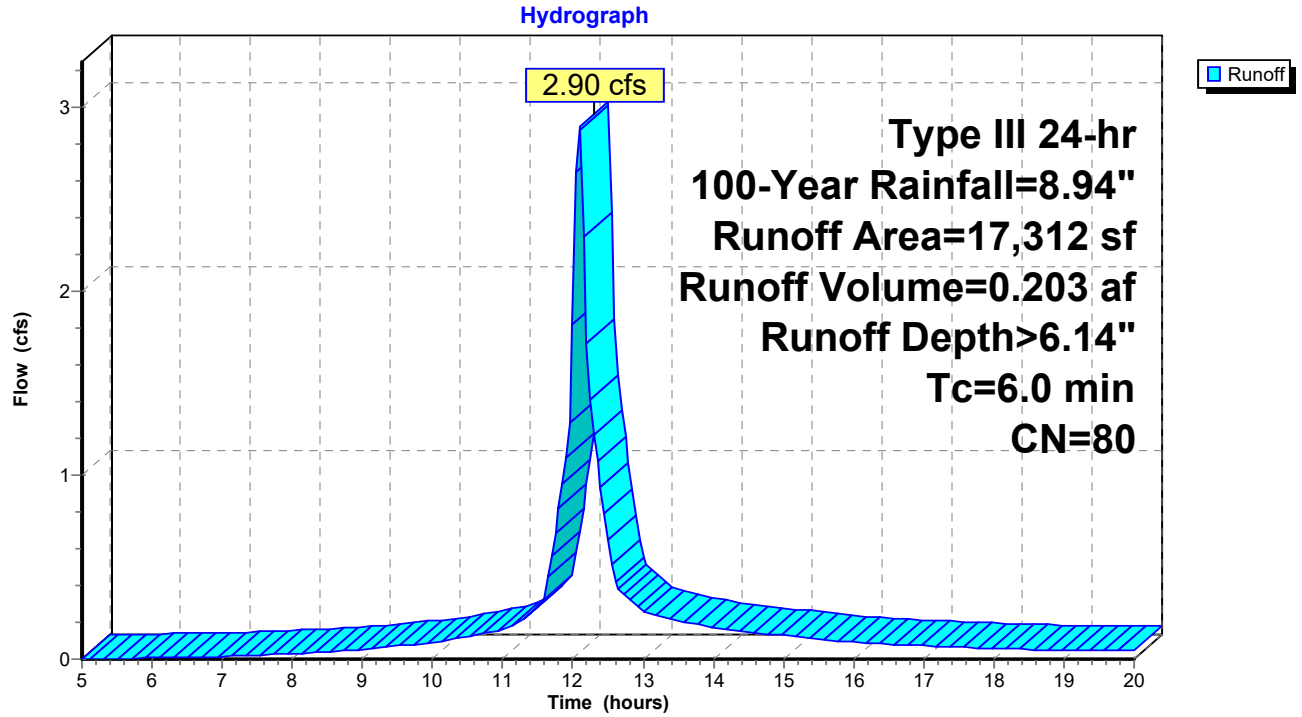
Runoff = 2.90 cfs @ 12.09 hrs, Volume= 0.203 af, Depth> 6.14"
Routed to Pond 129P : CB 34

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
5,177	39	>75% Grass cover, Good, HSG A
4,336	98	Unconnected roofs, HSG A
7,799	98	Paved parking, HSG A
17,312	80	Weighted Average
5,177		29.90% Pervious Area
12,135		70.10% Impervious Area
4,336		35.73% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 126S: P3FF



Summary for Subcatchment 127S: P3GG

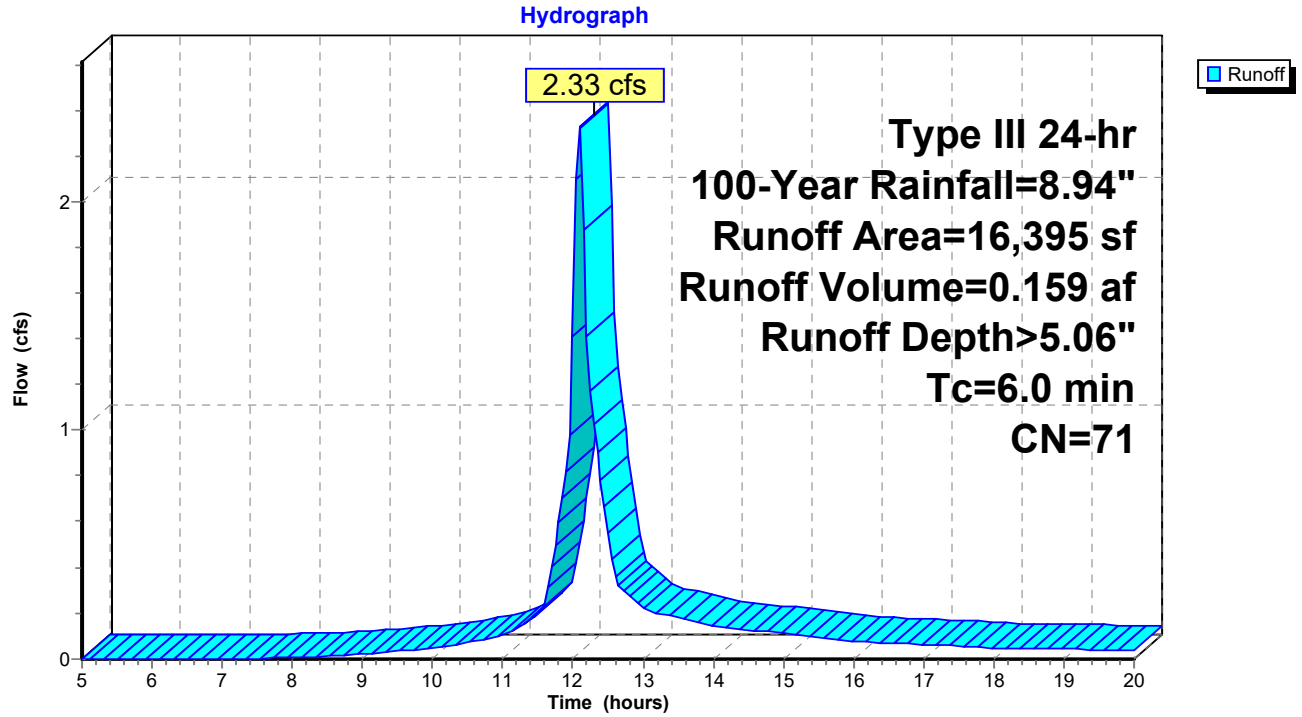
Runoff = 2.33 cfs @ 12.09 hrs, Volume= 0.159 af, Depth> 5.06"
Routed to Pond 132P : CB 33

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
7,617	39	>75% Grass cover, Good, HSG A
3,071	98	Unconnected roofs, HSG C
5,707	98	Paved parking, HSG A
16,395	71	Weighted Average
7,617		46.46% Pervious Area
8,778		53.54% Impervious Area
3,071		34.99% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 127S: P3GG



Summary for Subcatchment 128S: P3HH

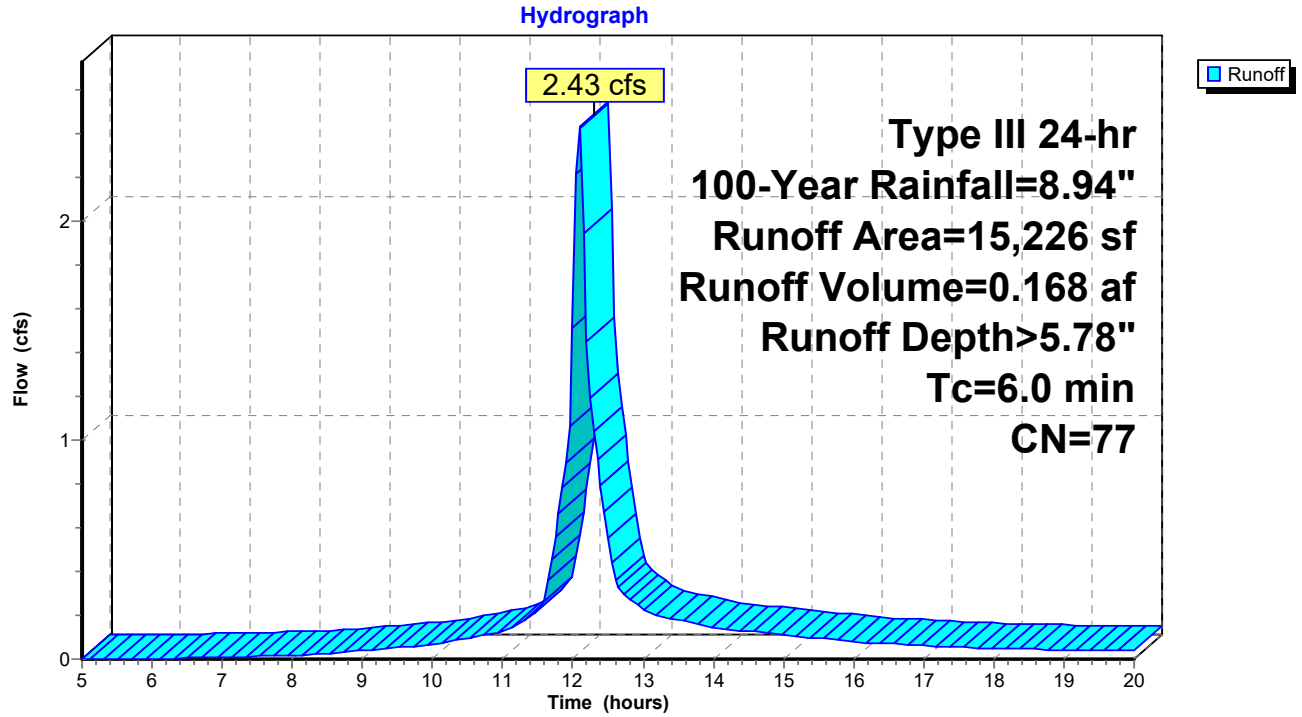
Runoff = 2.43 cfs @ 12.09 hrs, Volume= 0.168 af, Depth> 5.78"
Routed to Pond 131P : CB 35

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
5,501	39	>75% Grass cover, Good, HSG A
4,901	98	Unconnected roofs, HSG A
4,824	98	Paved parking, HSG A
15,226	77	Weighted Average
5,501		36.13% Pervious Area
9,725		63.87% Impervious Area
4,901		50.40% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 128S: P3HH



Summary for Subcatchment 129S: P3MM

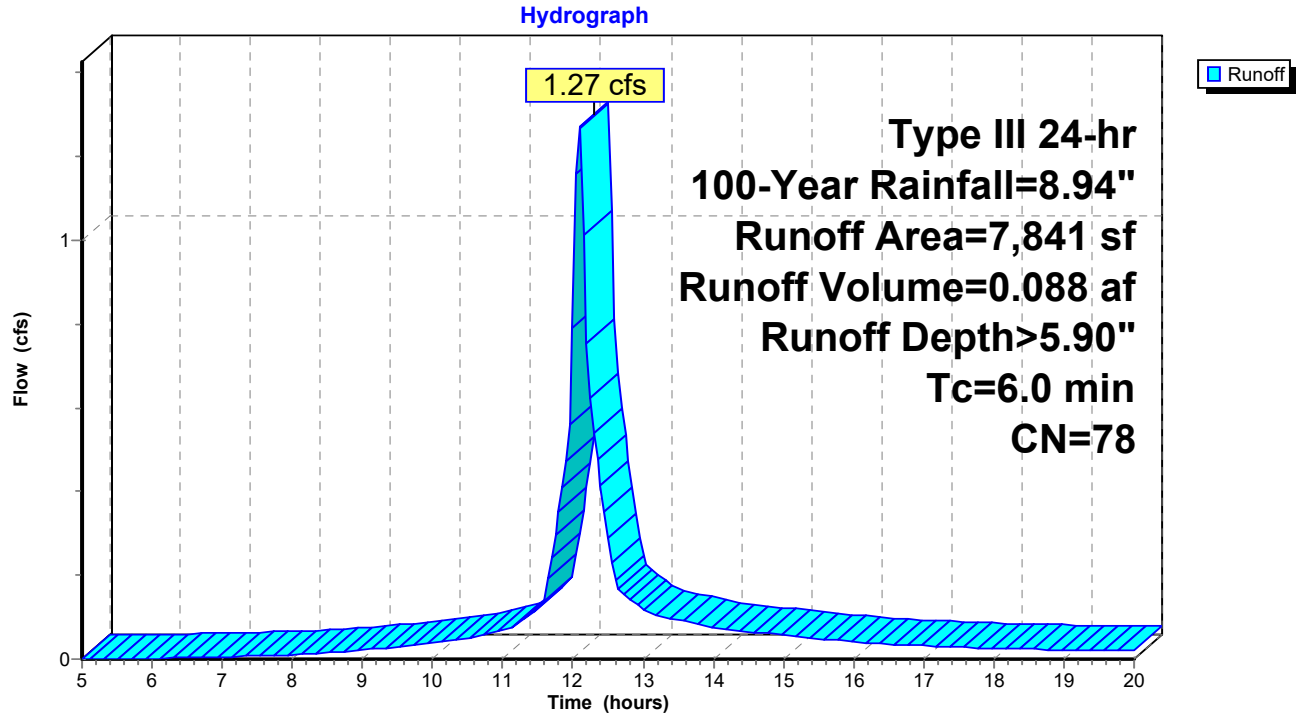
Runoff = 1.27 cfs @ 12.09 hrs, Volume= 0.088 af, Depth> 5.90"
Routed to Pond 136P : CB 38

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,648	39	>75% Grass cover, Good, HSG A
2,583	98	Unconnected roofs, HSG A
2,610	98	Paved parking, HSG A
7,841	78	Weighted Average
2,648		33.77% Pervious Area
5,193		66.23% Impervious Area
2,583		49.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 129S: P3MM



Summary for Subcatchment 130S: P3NN

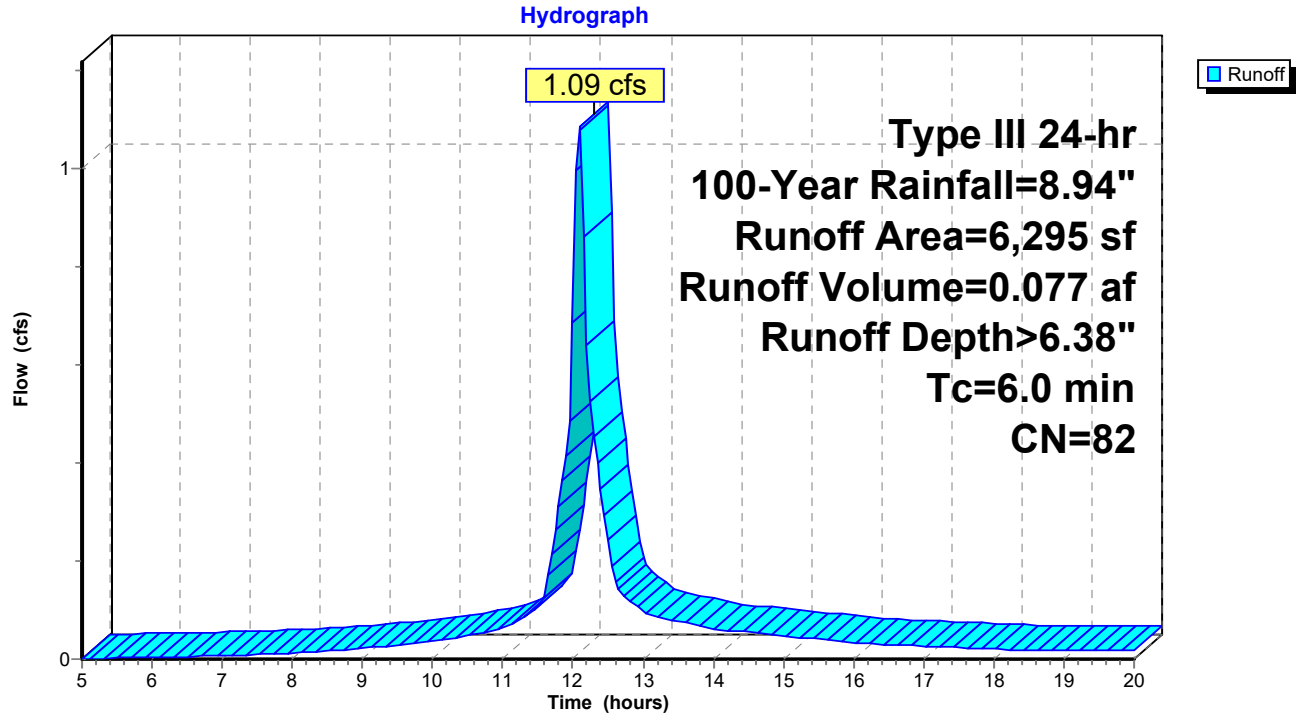
Runoff = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af, Depth> 6.38"
Routed to Pond 138P : CB 39

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,726	39	>75% Grass cover, Good, HSG A
1,686	98	Unconnected roofs, HSG A
2,883	98	Paved parking, HSG A
6,295	82	Weighted Average
1,726		27.42% Pervious Area
4,569		72.58% Impervious Area
1,686		36.90% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 130S: P3NN



Summary for Subcatchment 136S: P3II

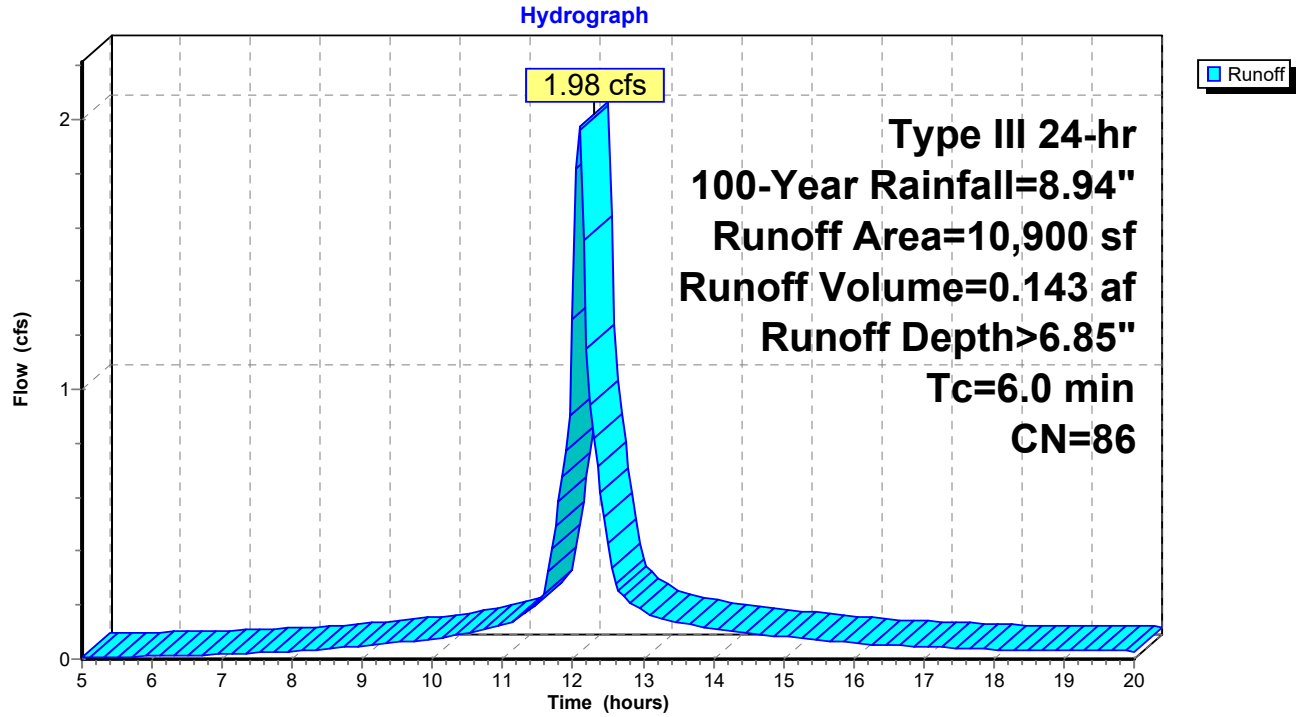
Runoff = 1.98 cfs @ 12.09 hrs, Volume= 0.143 af, Depth> 6.85"
Routed to Pond 137P : CB

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,148	39	>75% Grass cover, Good, HSG A
4,052	98	Unconnected roofs, HSG A
4,700	98	Paved parking, HSG A
10,900	86	Weighted Average
2,148		19.71% Pervious Area
8,752		80.29% Impervious Area
4,052		46.30% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 136S: P3II



Summary for Subcatchment 138S: P3JJ

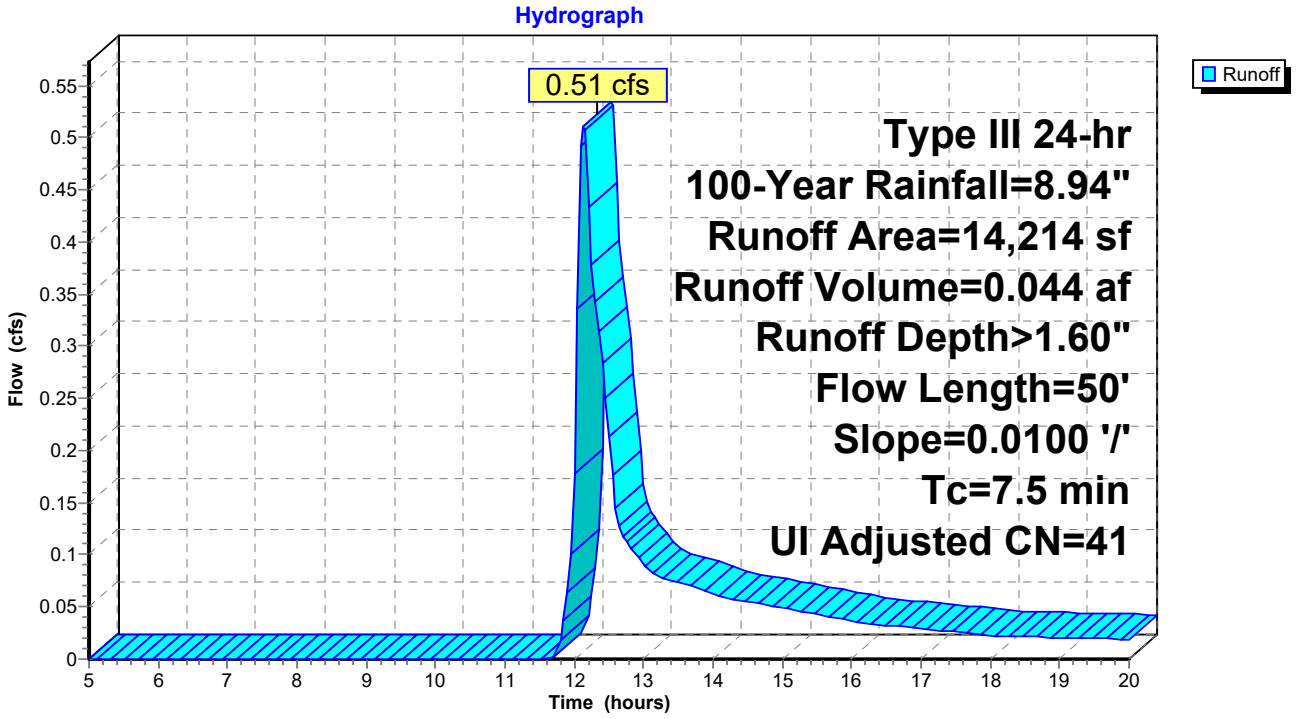
Runoff = 0.51 cfs @ 12.13 hrs, Volume= 0.044 af, Depth> 1.60"
Routed to Pond 135P : Inf. Basin 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
989	98		Unconnected roofs, HSG A
13,225	39		>75% Grass cover, Good, HSG A
14,214	43	41	Weighted Average, UI Adjusted
13,225			93.04% Pervious Area
989			6.96% Impervious Area
989			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"

Subcatchment 138S: P3JJ



Summary for Subcatchment 140S: P3OO

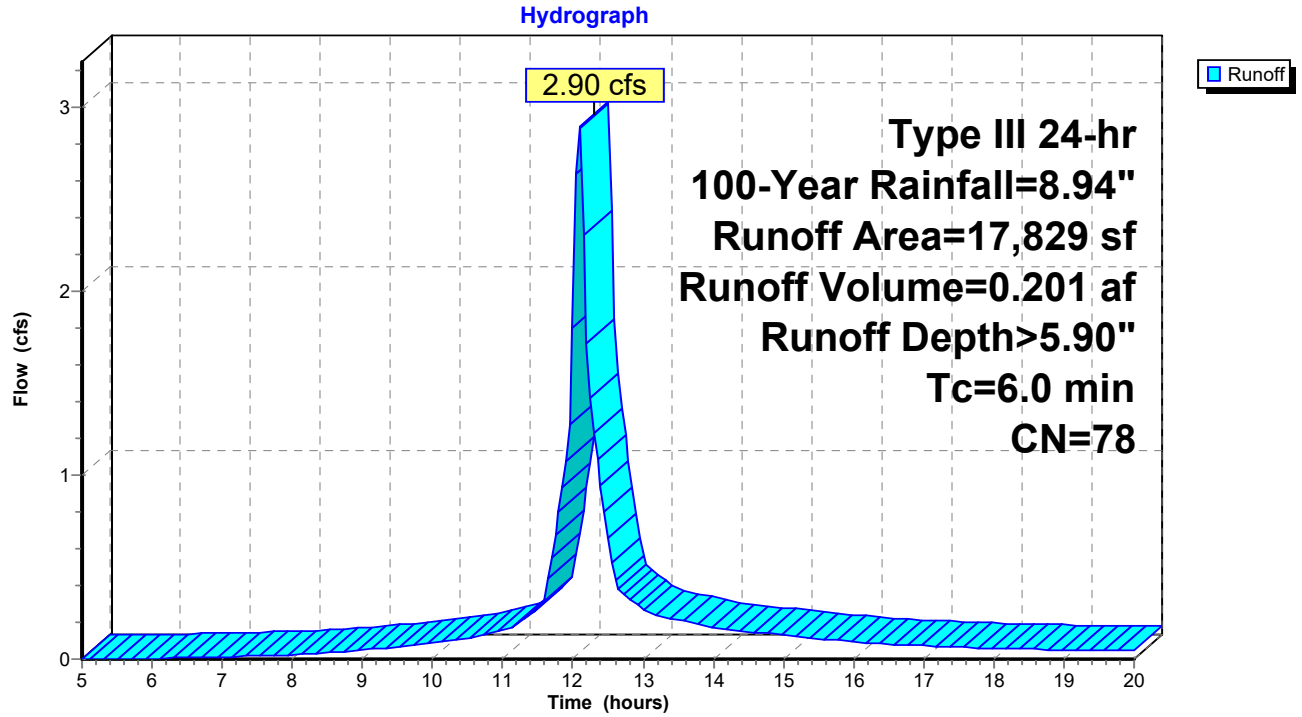
Runoff = 2.90 cfs @ 12.09 hrs, Volume= 0.201 af, Depth> 5.90"
Routed to Pond 142P : CB 40

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
6,065	39	>75% Grass cover, Good, HSG A
5,813	98	Unconnected roofs, HSG A
5,951	98	Paved parking, HSG A
17,829	78	Weighted Average
6,065		34.02% Pervious Area
11,764		65.98% Impervious Area
5,813		49.41% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 140S: P3OO



Summary for Subcatchment 141S: P3PP

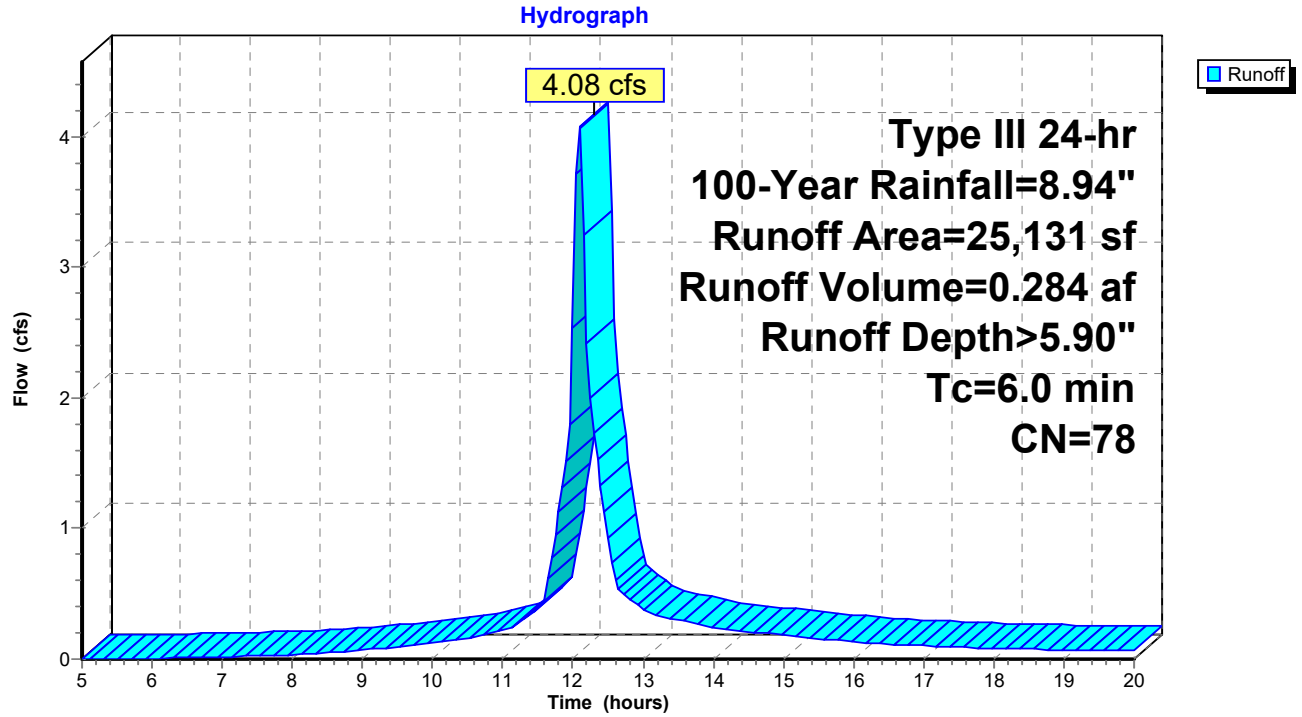
Runoff = 4.08 cfs @ 12.09 hrs, Volume= 0.284 af, Depth> 5.90"
Routed to Pond 143P : CB 41

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
8,502	39	>75% Grass cover, Good, HSG A
8,019	98	Unconnected roofs, HSG A
8,610	98	Paved parking, HSG A
25,131	78	Weighted Average
8,502		33.83% Pervious Area
16,629		66.17% Impervious Area
8,019		48.22% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 141S: P3PP



Summary for Subcatchment 142S: P3UU

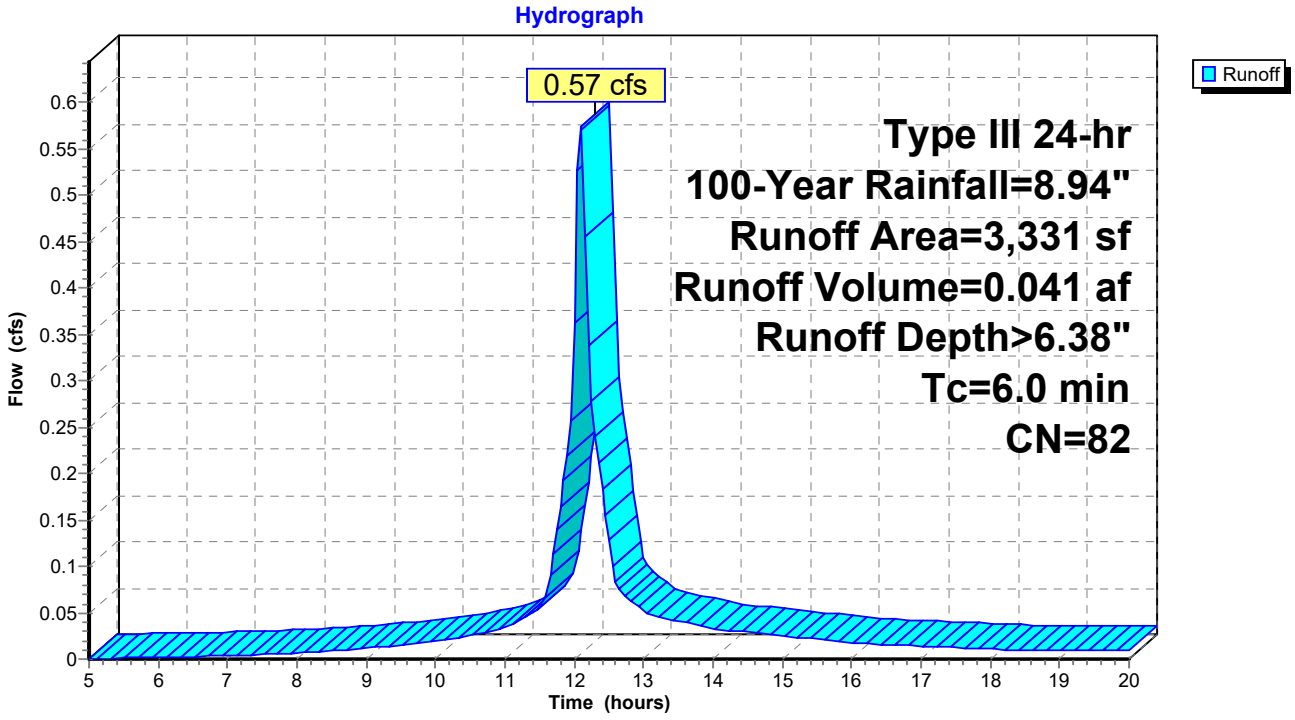
Runoff = 0.57 cfs @ 12.09 hrs, Volume= 0.041 af, Depth> 6.38"
Routed to Pond 147P : CB 28

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
915	39	>75% Grass cover, Good, HSG A
2,416	98	Paved parking, HSG A
3,331	82	Weighted Average
915		27.47% Pervious Area
2,416		72.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 142S: P3UU



Summary for Subcatchment 143S: P3VV

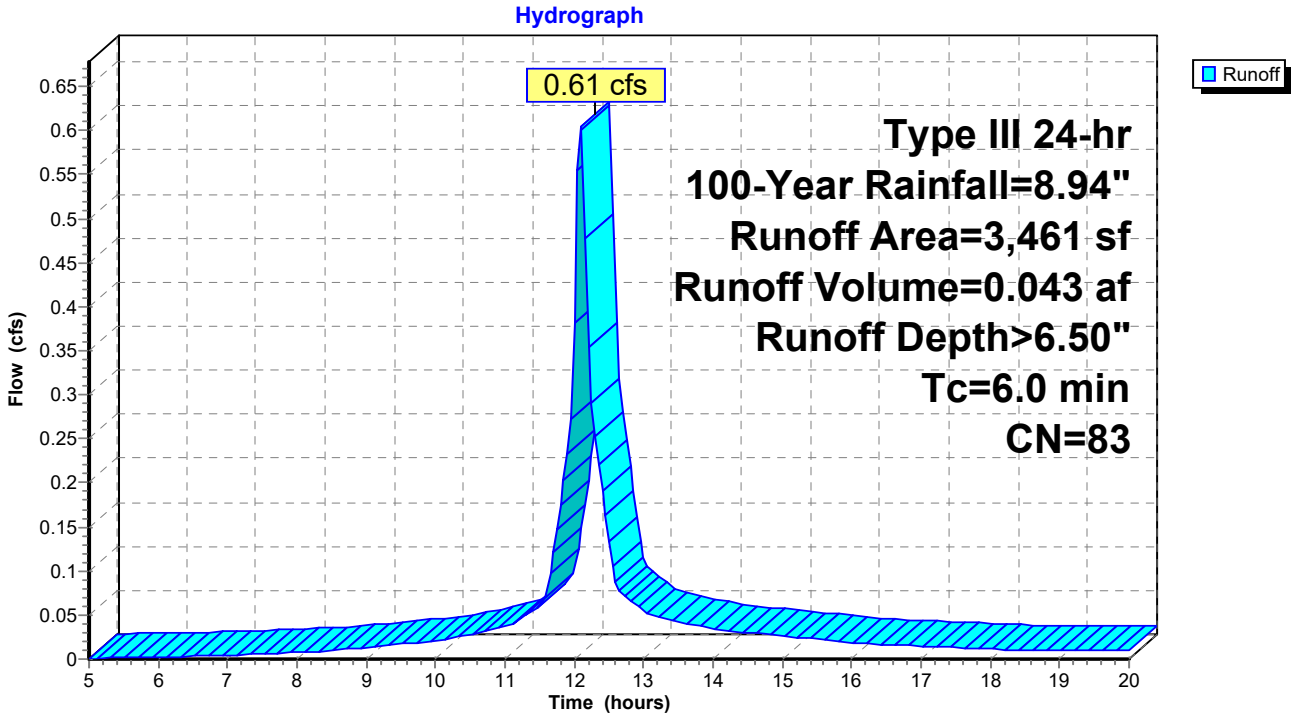
Runoff = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af, Depth> 6.50"
Routed to Pond 149P : CB 29

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
906	39	>75% Grass cover, Good, HSG A
2,555	98	Paved parking, HSG A
3,461	83	Weighted Average
906		26.18% Pervious Area
2,555		73.82% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 143S: P3VV



Summary for Subcatchment 147S: P3QQ

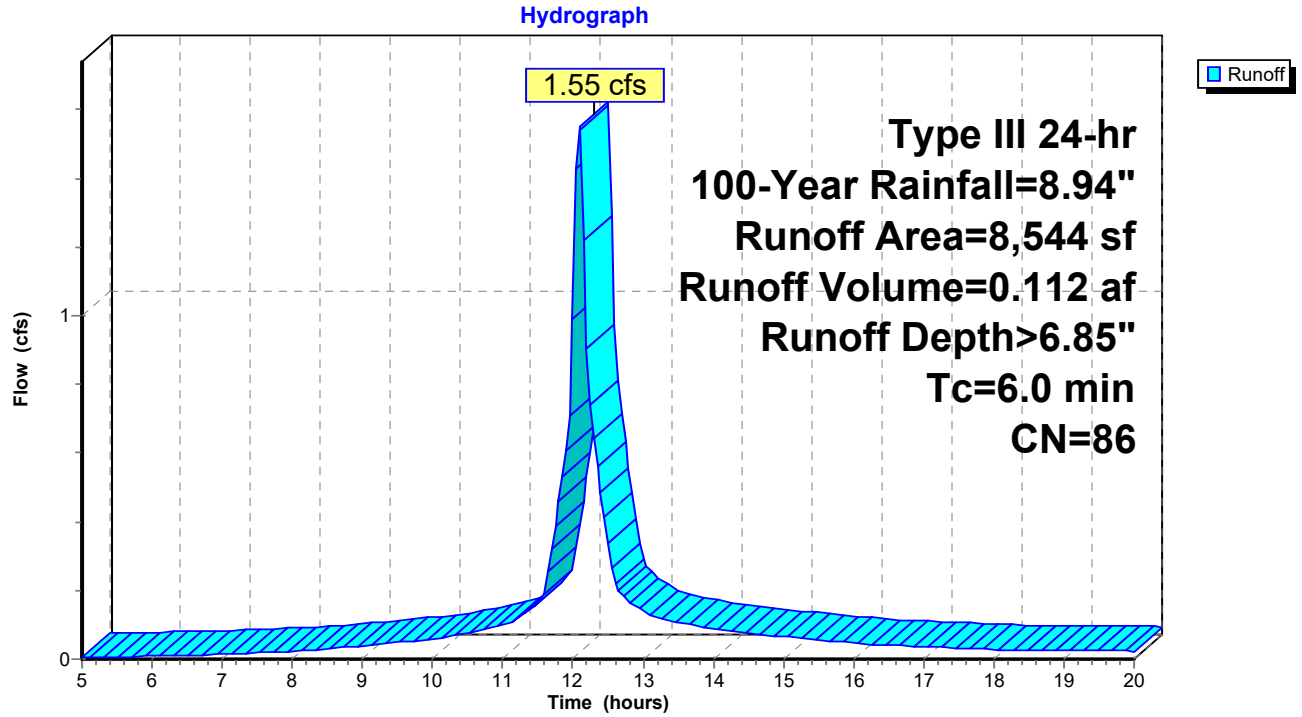
Runoff = 1.55 cfs @ 12.09 hrs, Volume= 0.112 af, Depth> 6.85"
Routed to Pond 148P : CB 43

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,691	39	>75% Grass cover, Good, HSG A
2,319	98	Unconnected roofs, HSG A
4,534	98	Paved parking, HSG A
8,544	86	Weighted Average
1,691		19.79% Pervious Area
6,853		80.21% Impervious Area
2,319		33.84% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 147S: P3QQ



Summary for Subcatchment 149S: P3RR

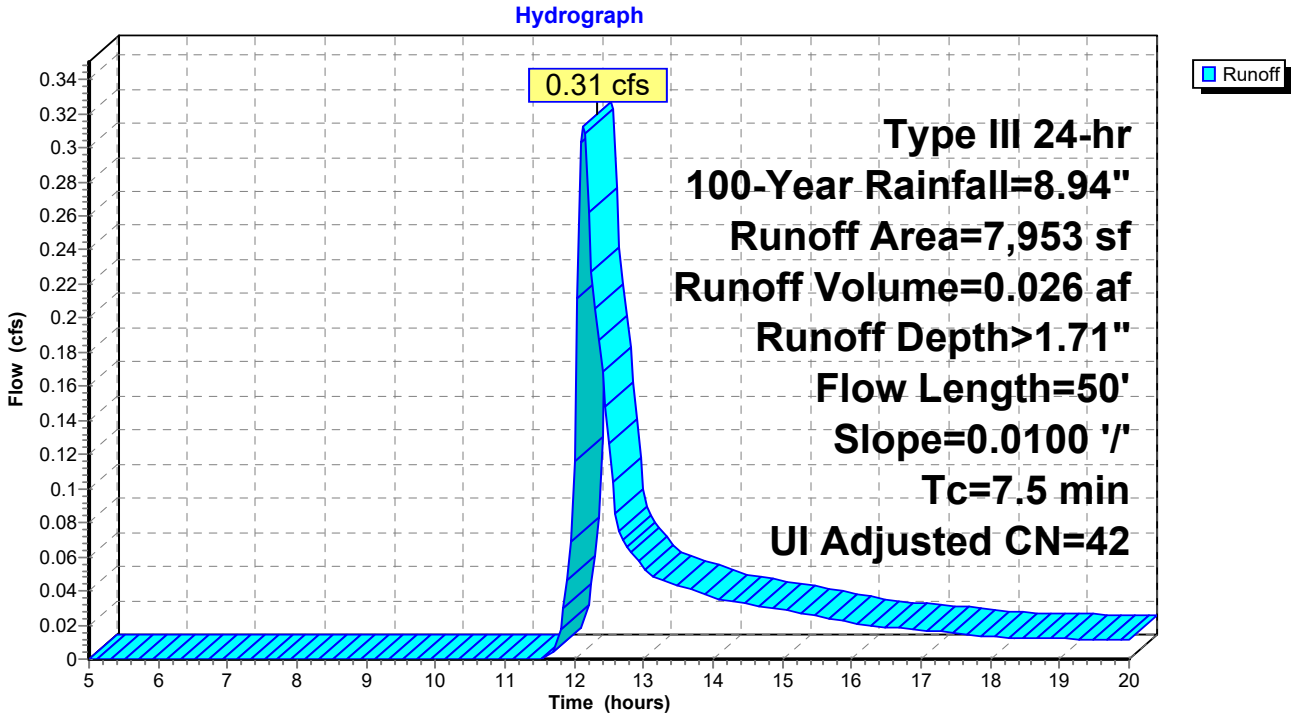
Runoff = 0.31 cfs @ 12.13 hrs, Volume= 0.026 af, Depth> 1.71"
Routed to Pond 146P : Inf. Basin 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
803	98		Unconnected roofs, HSG A
7,150	39		>75% Grass cover, Good, HSG A
7,953	45	42	Weighted Average, UI Adjusted
7,150			89.90% Pervious Area
803			10.10% Impervious Area
803			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"

Subcatchment 149S: P3RR



Summary for Subcatchment 151S: P3ZZ

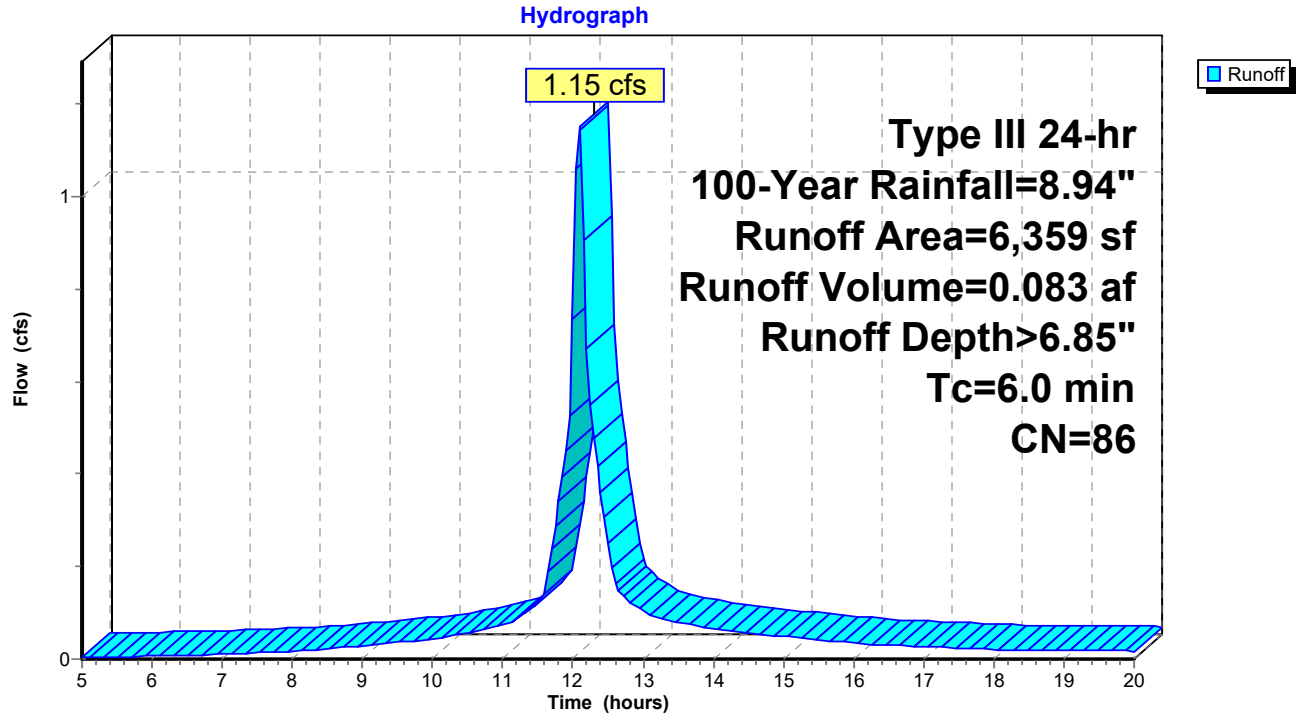
Runoff = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af, Depth> 6.85"
Routed to Pond 159P : CB 25

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,297	39	>75% Grass cover, Good, HSG A
5,062	98	Paved parking, HSG A
6,359	86	Weighted Average
1,297		20.40% Pervious Area
5,062		79.60% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 151S: P3ZZ



Summary for Subcatchment 152S: P3YY

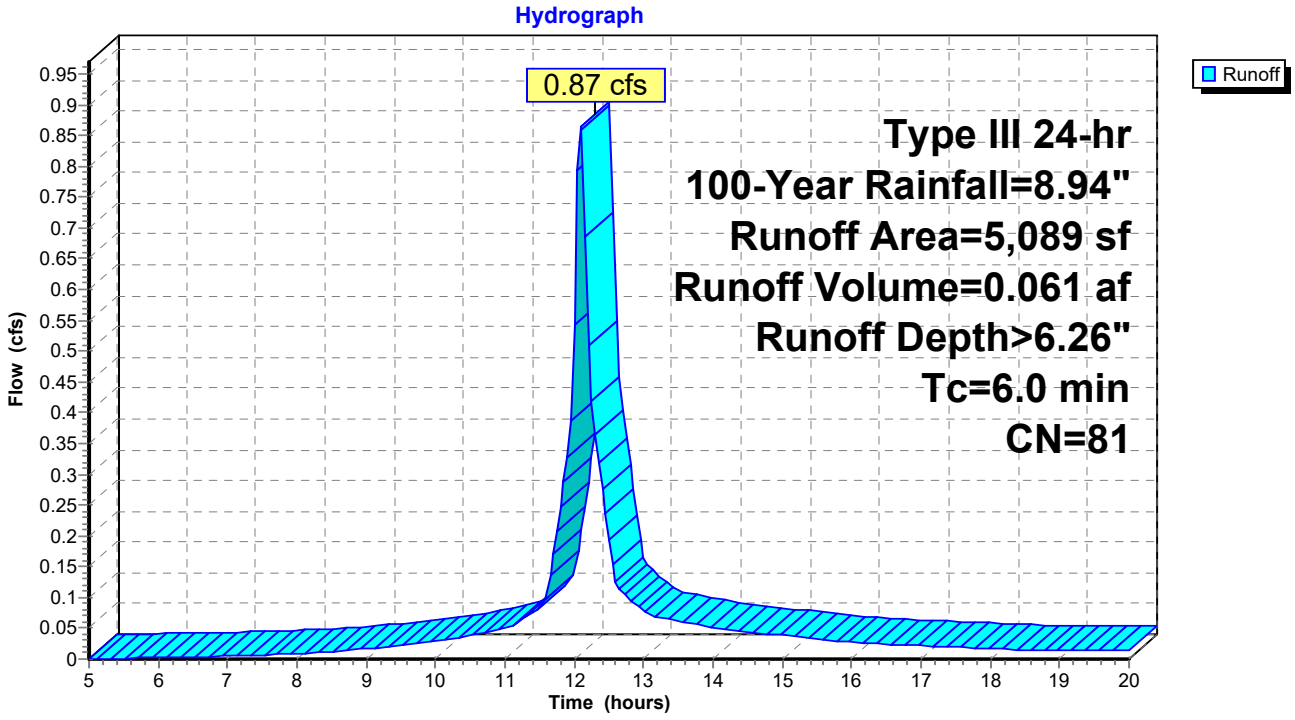
Runoff = 0.87 cfs @ 12.09 hrs, Volume= 0.061 af, Depth> 6.26"
Routed to Pond 158P : CB 24

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,505	39	>75% Grass cover, Good, HSG A
3,584	98	Paved parking, HSG A
5,089	81	Weighted Average
1,505		29.57% Pervious Area
3,584		70.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 152S: P3YY



Summary for Subcatchment 153S: P3WW

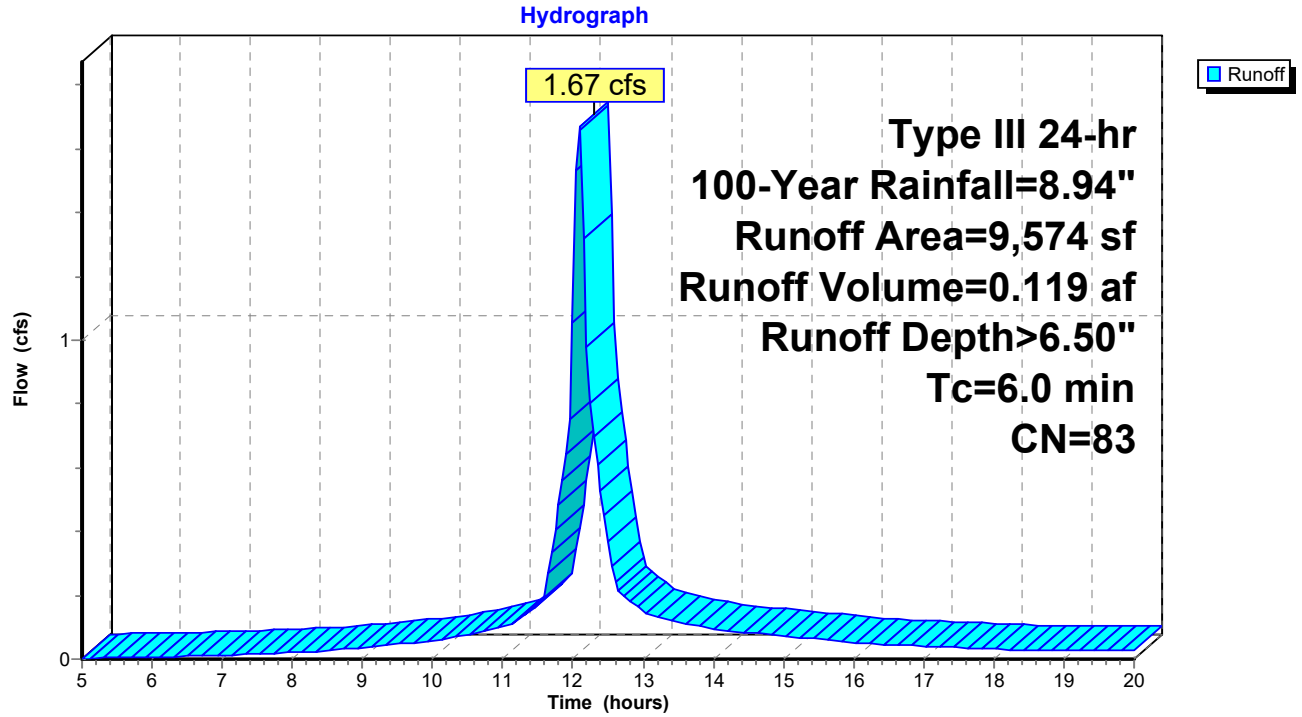
Runoff = 1.67 cfs @ 12.09 hrs, Volume= 0.119 af, Depth> 6.50"
Routed to Pond 155P : CB 27

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,428	39	>75% Grass cover, Good, HSG A
2,576	98	Unconnected roofs, HSG A
4,570	98	Paved parking, HSG A
9,574	83	Weighted Average
2,428		25.36% Pervious Area
7,146		74.64% Impervious Area
2,576		36.05% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 153S: P3WW



Summary for Subcatchment 154S: P3XX

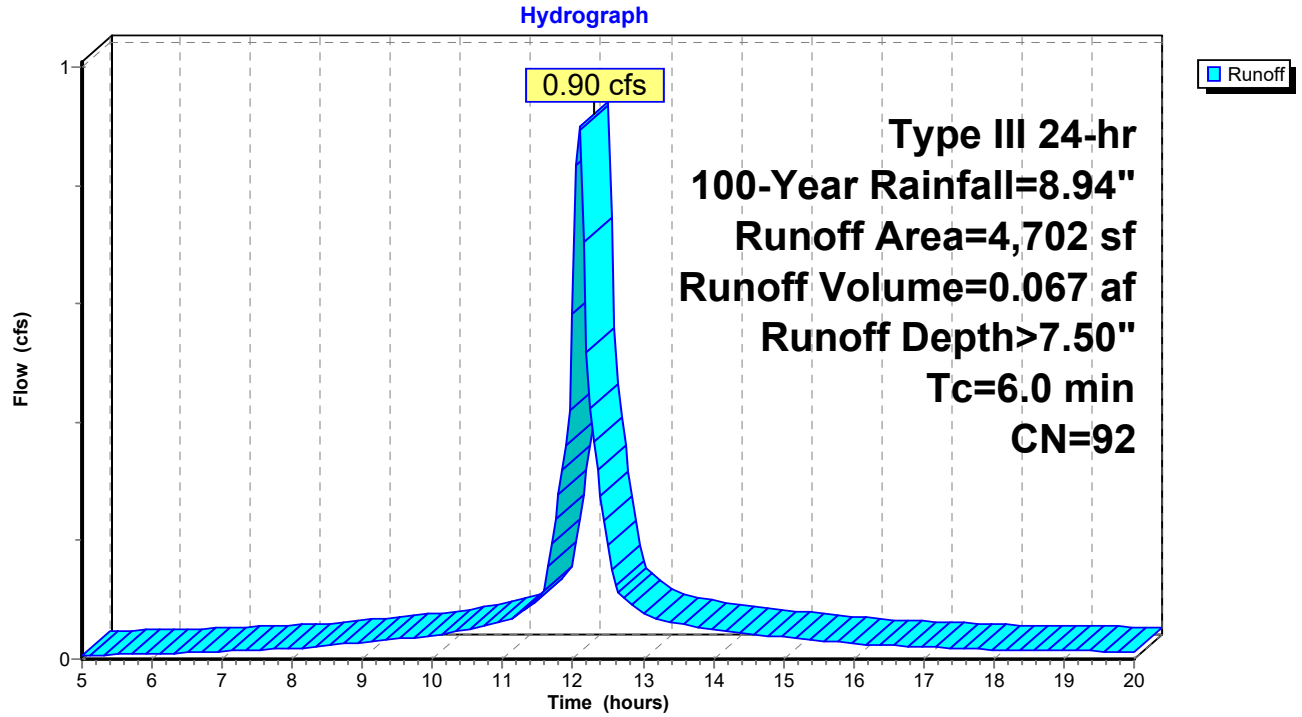
Runoff = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af, Depth> 7.50"
Routed to Pond 156P : CB 26

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
467	39	>75% Grass cover, Good, HSG A
2,369	98	Unconnected roofs, HSG A
1,866	98	Paved parking, HSG A
4,702	92	Weighted Average
467		9.93% Pervious Area
4,235		90.07% Impervious Area
2,369		55.94% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 154S: P3XX



Summary for Subcatchment 155S: P3CCC

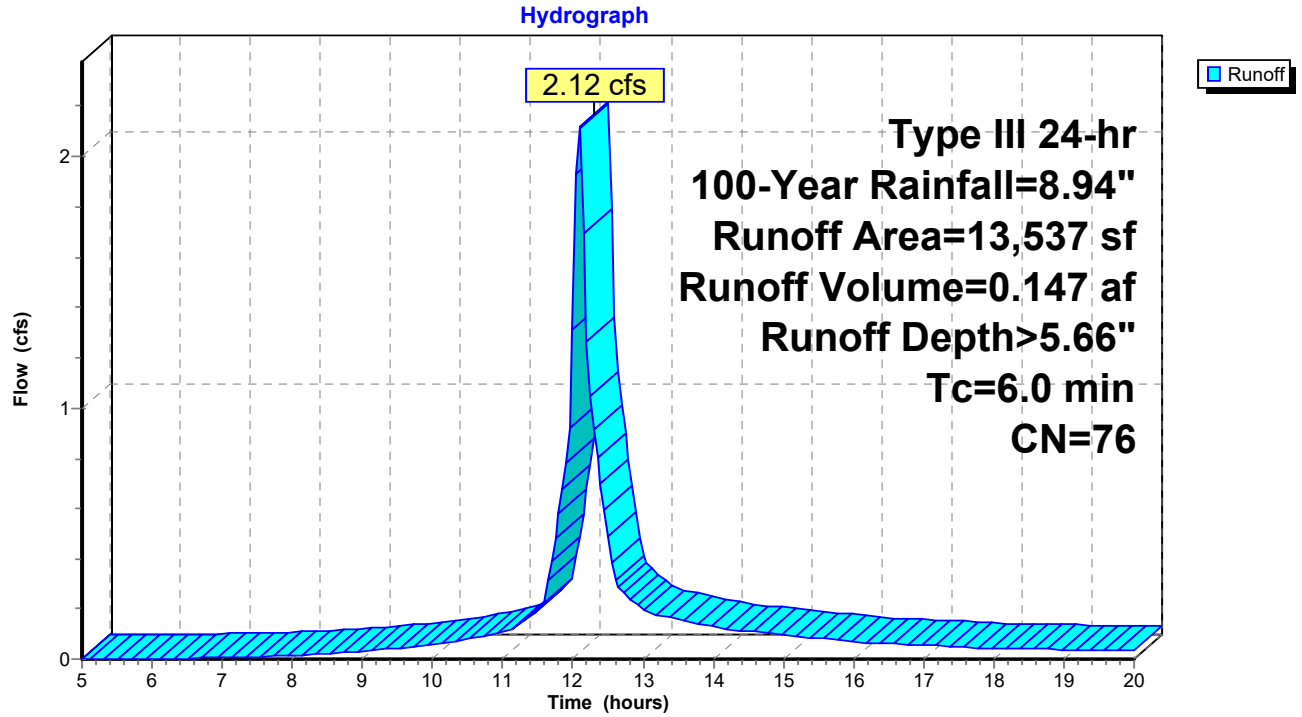
Runoff = 2.12 cfs @ 12.09 hrs, Volume= 0.147 af, Depth> 5.66"
Routed to Pond 163P : CB 14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
4,959	39	>75% Grass cover, Good, HSG A
1,047	98	Unconnected roofs, HSG A
7,531	98	Paved parking, HSG A
13,537	76	Weighted Average
4,959		36.63% Pervious Area
8,578		63.37% Impervious Area
1,047		12.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 155S: P3CCC



Summary for Subcatchment 156S: P3DDD

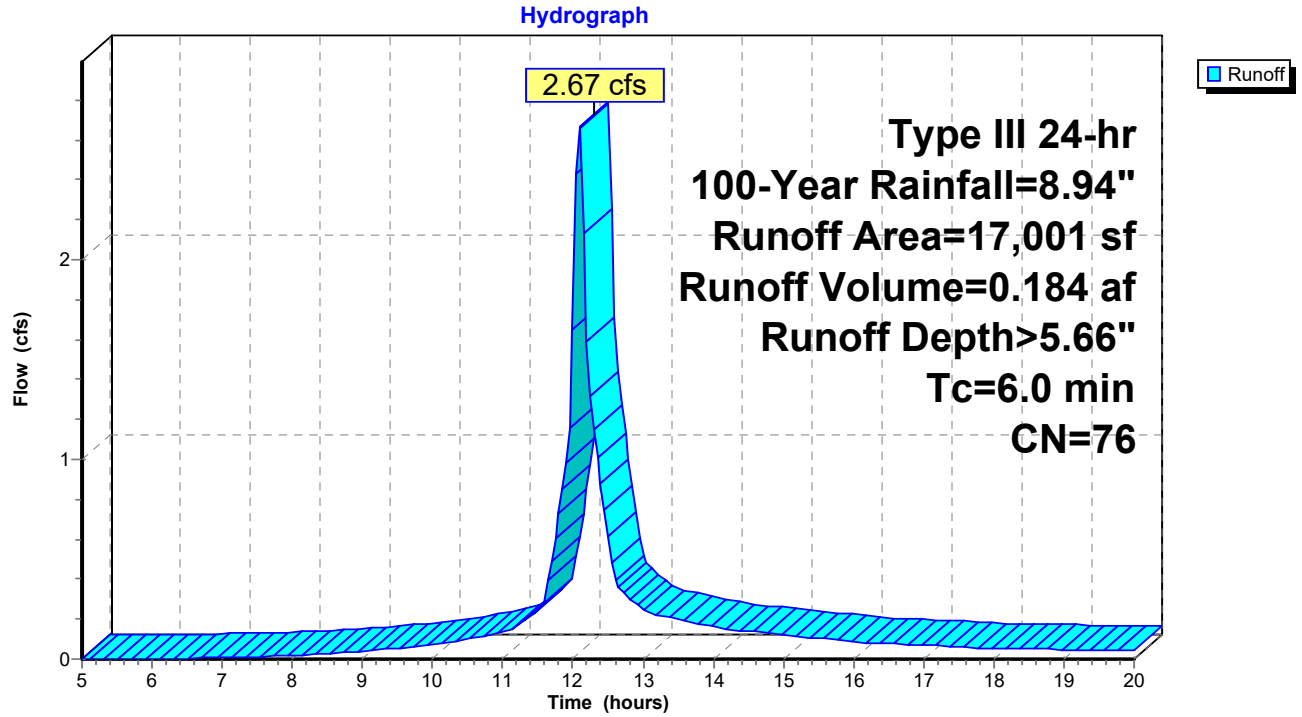
Runoff = 2.67 cfs @ 12.09 hrs, Volume= 0.184 af, Depth> 5.66"
Routed to Pond 162P : CB 15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
6,264	39	>75% Grass cover, Good, HSG A
3,815	98	Unconnected roofs, HSG A
6,922	98	Paved parking, HSG A
17,001	76	Weighted Average
6,264		36.84% Pervious Area
10,737		63.16% Impervious Area
3,815		35.53% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 156S: P3DDD



Summary for Subcatchment 165S: P3FFF

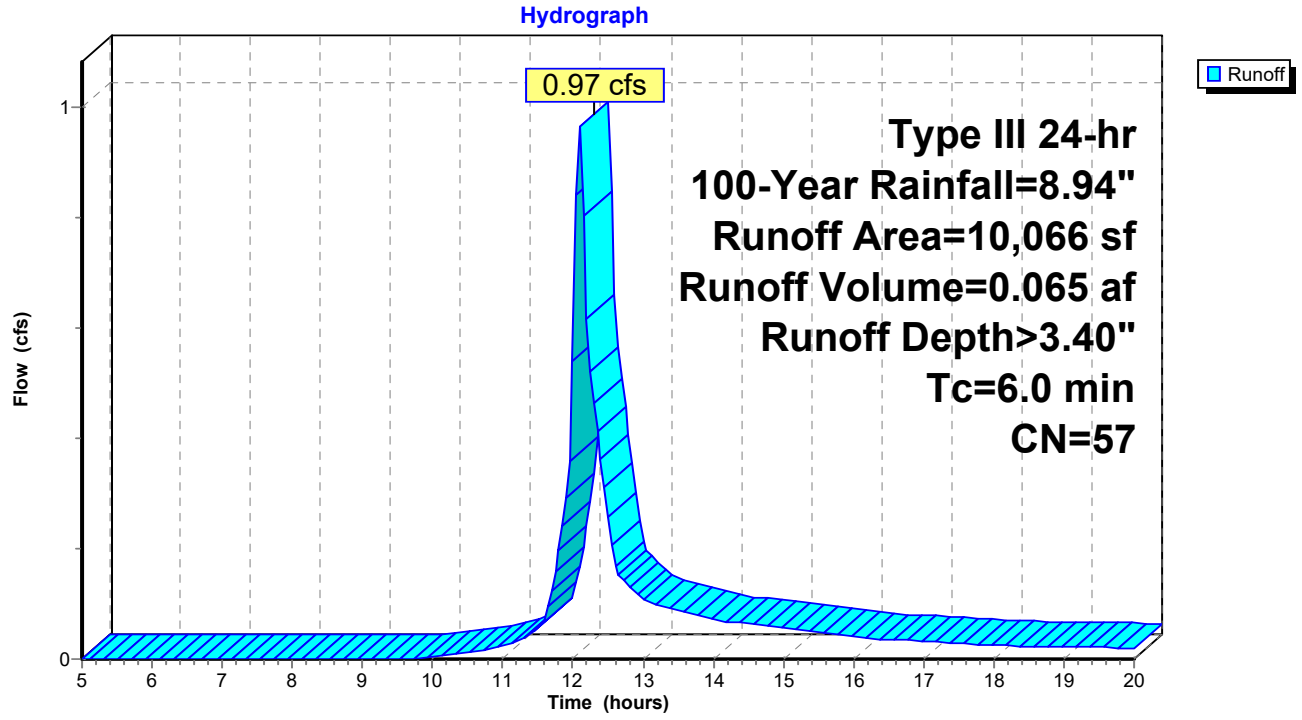
Runoff = 0.97 cfs @ 12.10 hrs, Volume= 0.065 af, Depth> 3.40"
Routed to Pond 168P : CB 10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
7,041	39	>75% Grass cover, Good, HSG A
3,025	98	Paved parking, HSG A
10,066	57	Weighted Average
7,041		69.95% Pervious Area
3,025		30.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 165S: P3FFF



Summary for Subcatchment 166S: P3EEE

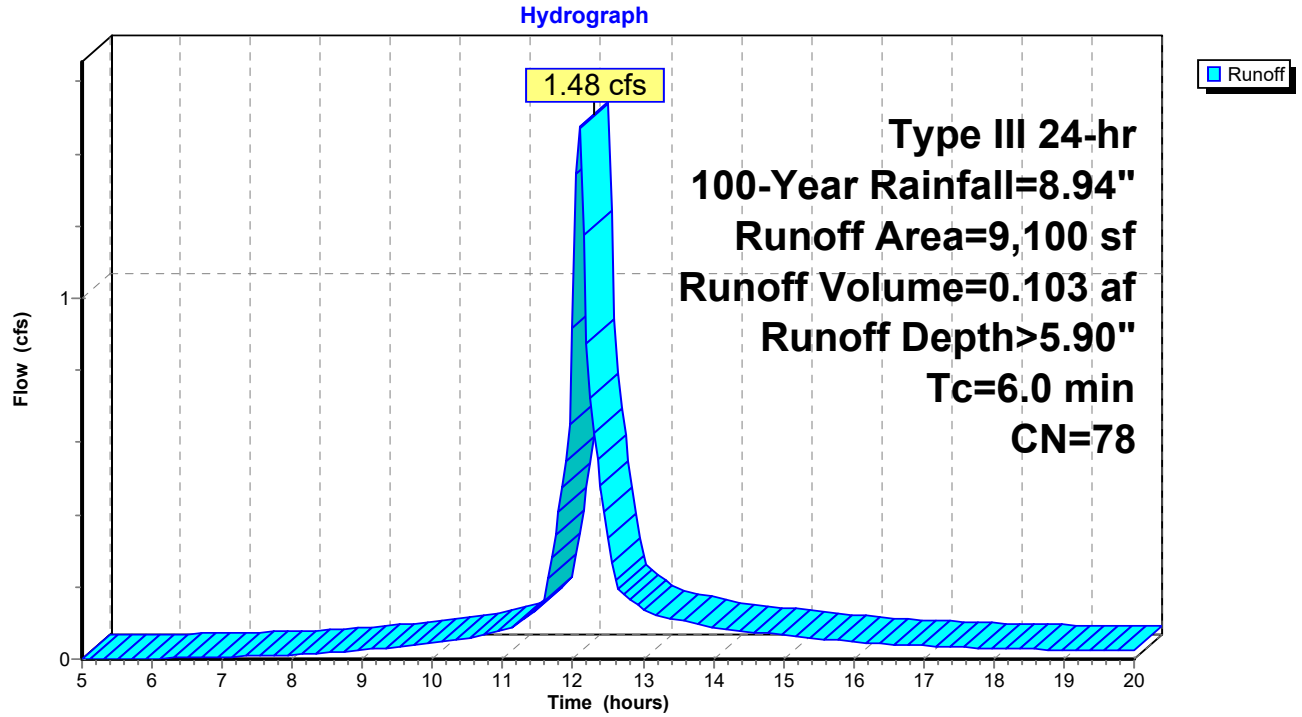
Runoff = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af, Depth> 5.90"
Routed to Pond 167P : CB 11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,114	39	>75% Grass cover, Good, HSG A
3,120	98	Paved parking, HSG A
2,866	98	Unconnected roofs, HSG A
9,100	78	Weighted Average
3,114		34.22% Pervious Area
5,986		65.78% Impervious Area
2,866		47.88% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 166S: P3EEE



Summary for Subcatchment 170S: P3JJJ

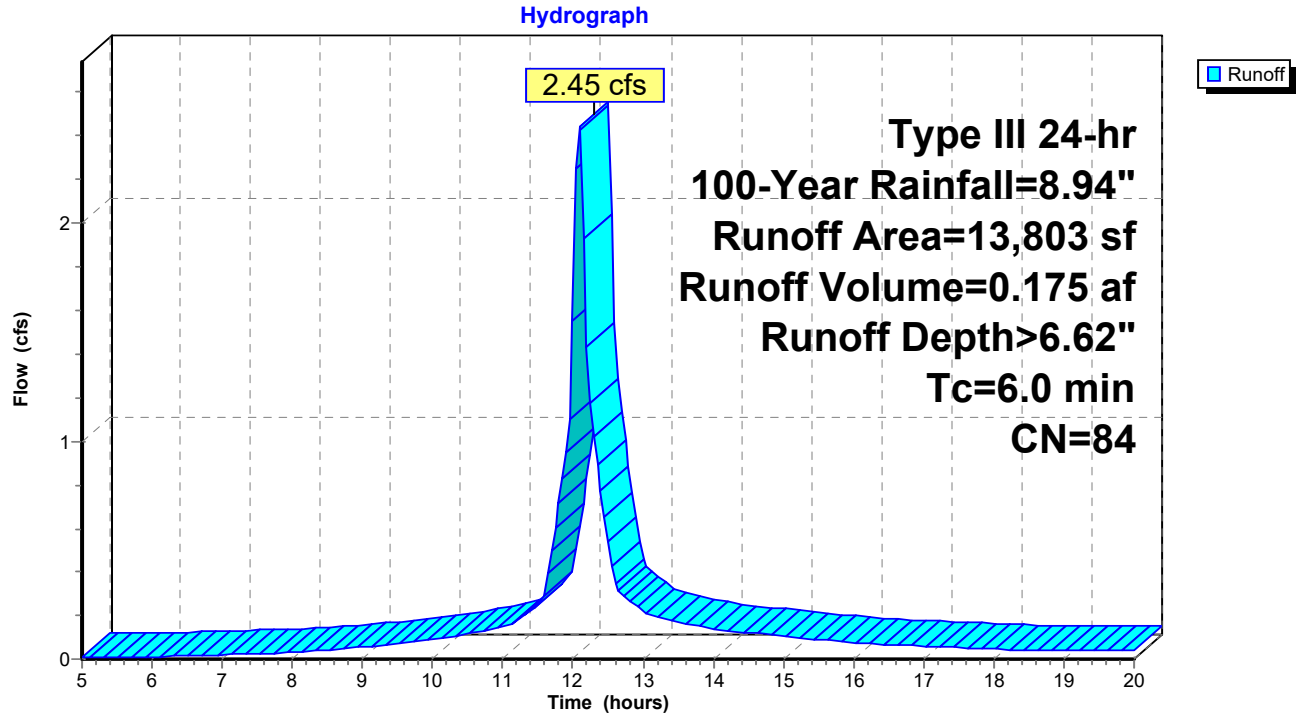
Runoff = 2.45 cfs @ 12.09 hrs, Volume= 0.175 af, Depth> 6.62"
Routed to Pond 172P : CB 16

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,334	39	>75% Grass cover, Good, HSG A
6,476	98	Unconnected roofs, HSG A
3,993	98	Paved parking, HSG A
13,803	84	Weighted Average
3,334		24.15% Pervious Area
10,469		75.85% Impervious Area
6,476		61.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 170S: P3JJJ



Summary for Subcatchment 171S: P3III

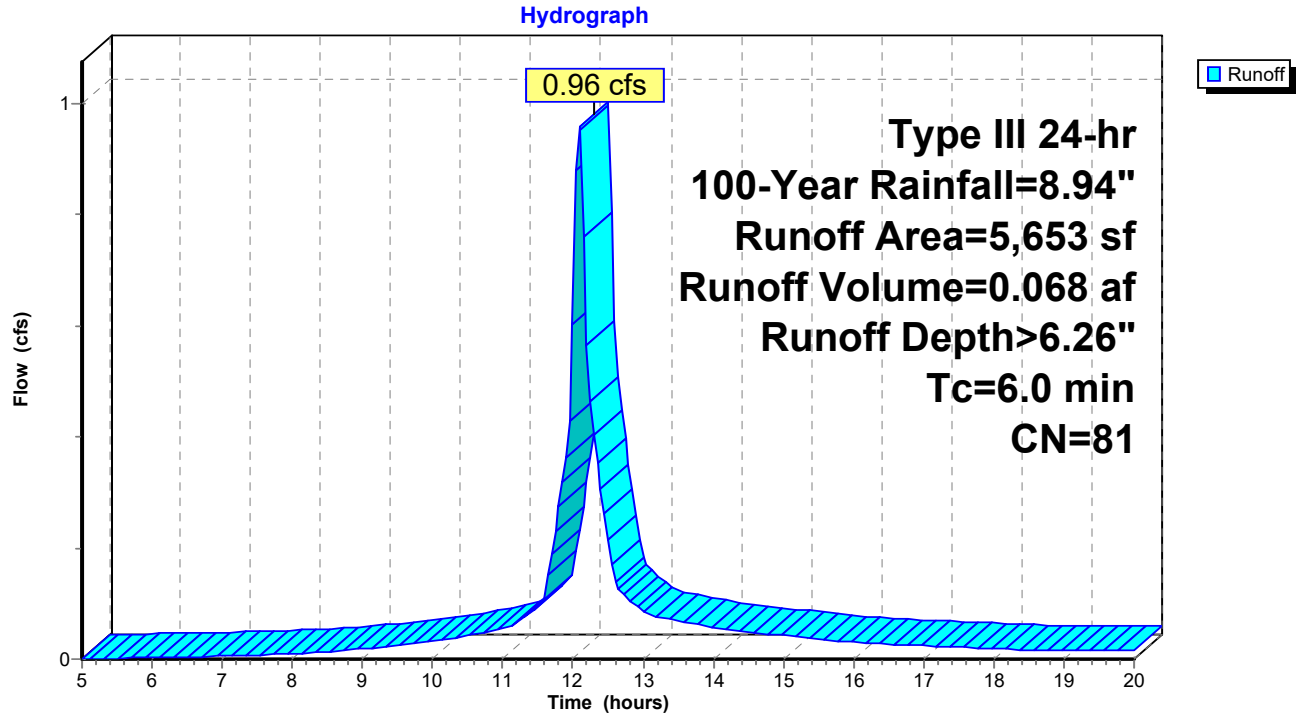
Runoff = 0.96 cfs @ 12.09 hrs, Volume= 0.068 af, Depth> 6.26"
Routed to Pond 173P : CB 17

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,629	39	>75% Grass cover, Good, HSG A
1,823	98	Unconnected roofs, HSG A
2,201	98	Paved parking, HSG A
5,653	81	Weighted Average
1,629		28.82% Pervious Area
4,024		71.18% Impervious Area
1,823		45.30% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 171S: P3III



Summary for Subcatchment 175S: P3KKK

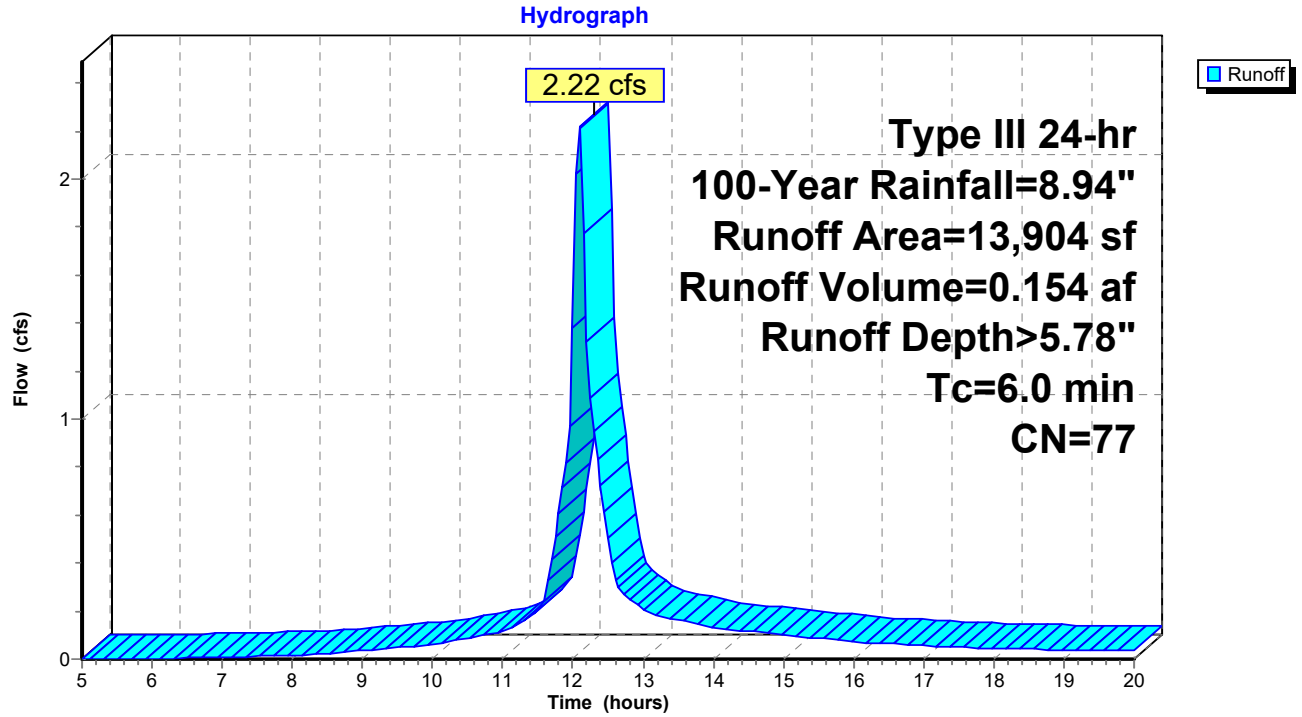
Runoff = 2.22 cfs @ 12.09 hrs, Volume= 0.154 af, Depth> 5.78"
Routed to Pond 177P : CB 13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
4,945	39	>75% Grass cover, Good, HSG A
3,545	98	Unconnected roofs, HSG A
5,414	98	Paved parking, HSG A
13,904	77	Weighted Average
4,945		35.57% Pervious Area
8,959		64.43% Impervious Area
3,545		39.57% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 175S: P3KKK



Summary for Subcatchment 176S: P3LLL

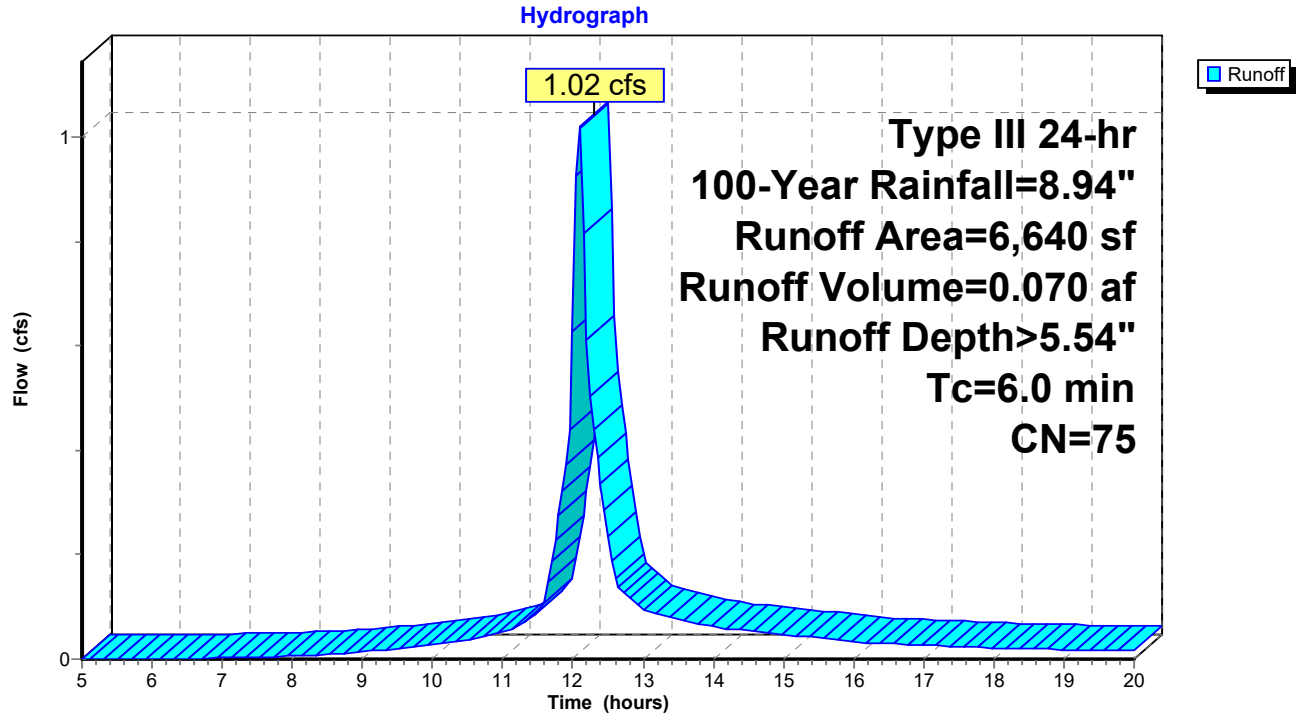
Runoff = 1.02 cfs @ 12.09 hrs, Volume= 0.070 af, Depth> 5.54"
Routed to Pond 178P : CB 12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,605	39	>75% Grass cover, Good, HSG A
958	98	Unconnected roofs, HSG A
3,077	98	Paved parking, HSG A
6,640	75	Weighted Average
2,605		39.23% Pervious Area
4,035		60.77% Impervious Area
958		23.74% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 176S: P3LLL



Summary for Subcatchment 182S: P3MMM

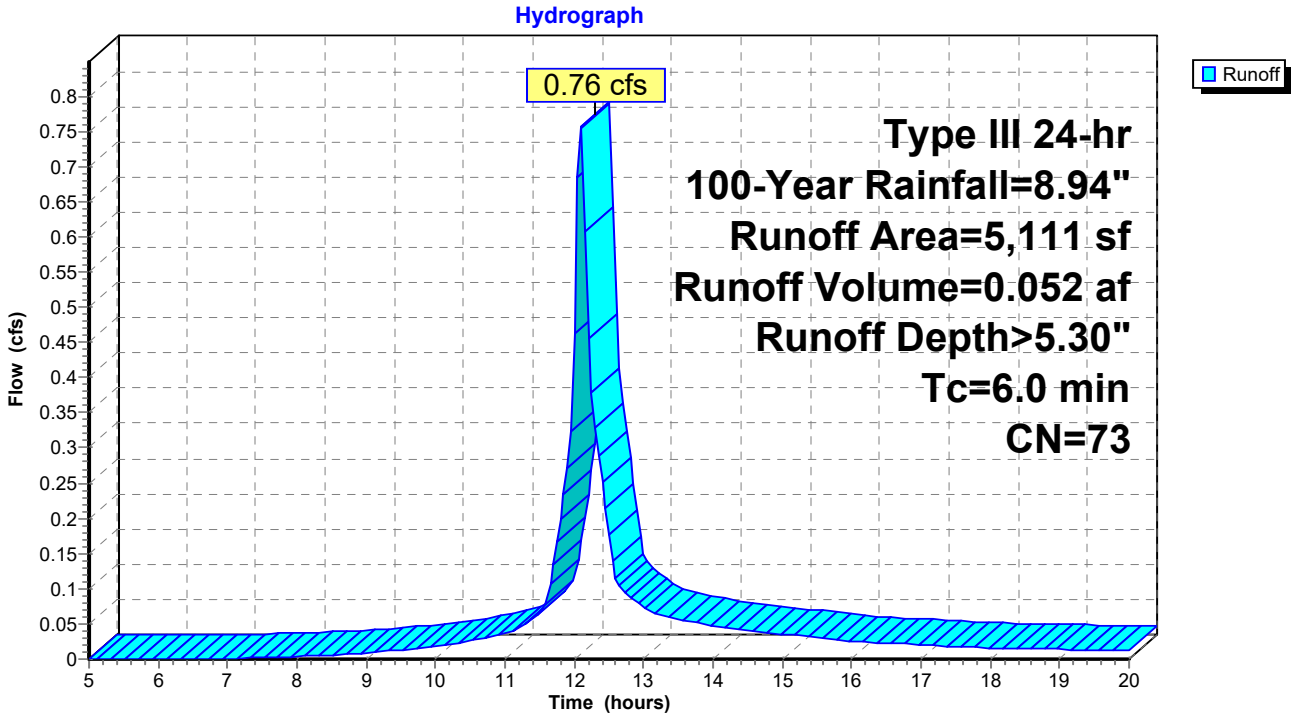
Runoff = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af, Depth> 5.30"
Routed to Pond 61P : CB 8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,196	39	>75% Grass cover, Good, HSG A
413	98	Unconnected roofs, HSG A
2,502	98	Paved parking, HSG A
5,111	73	Weighted Average
2,196		42.97% Pervious Area
2,915		57.03% Impervious Area
413		14.17% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 182S: P3MMM



Summary for Subcatchment 183S: P3NNN

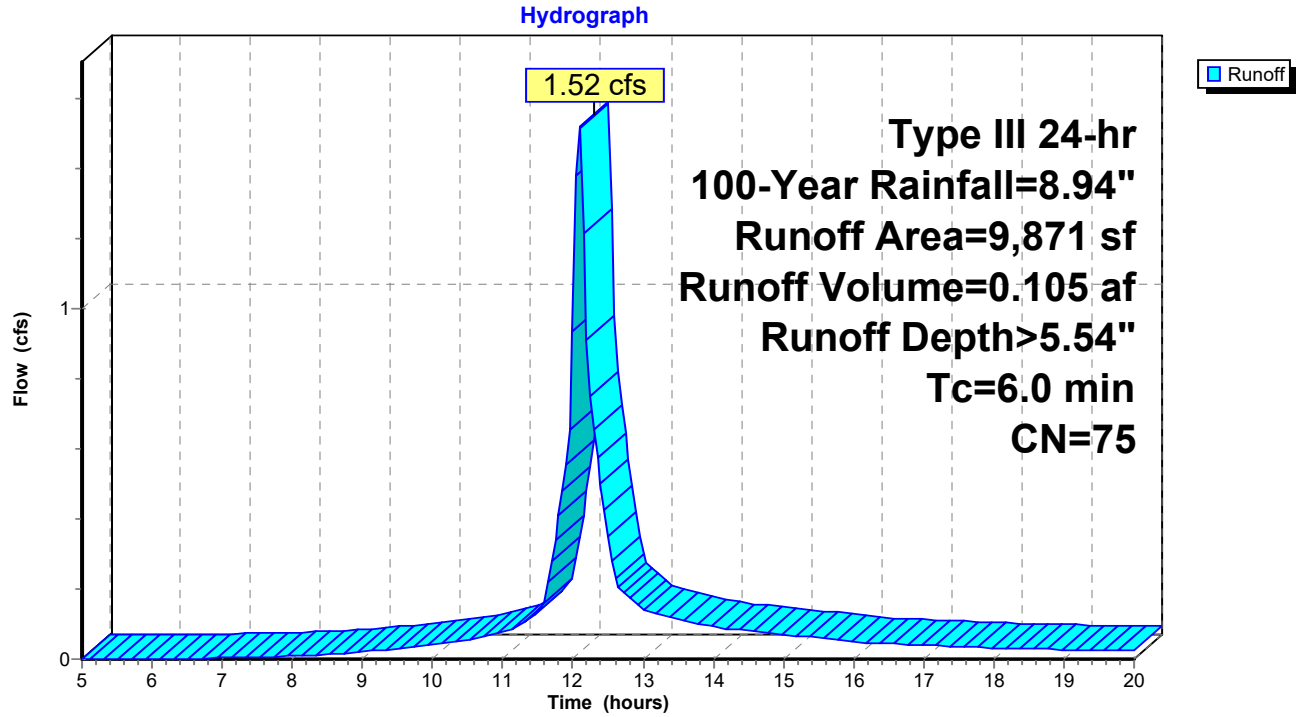
Runoff = 1.52 cfs @ 12.09 hrs, Volume= 0.105 af, Depth> 5.54"
Routed to Pond 170P : CB 9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,796	39	>75% Grass cover, Good, HSG A
2,443	98	Unconnected roofs, HSG A
3,632	98	Paved parking, HSG A
9,871	75	Weighted Average
3,796		38.46% Pervious Area
6,075		61.54% Impervious Area
2,443		40.21% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 183S: P3NNN



Summary for Subcatchment 184S: P3OOO

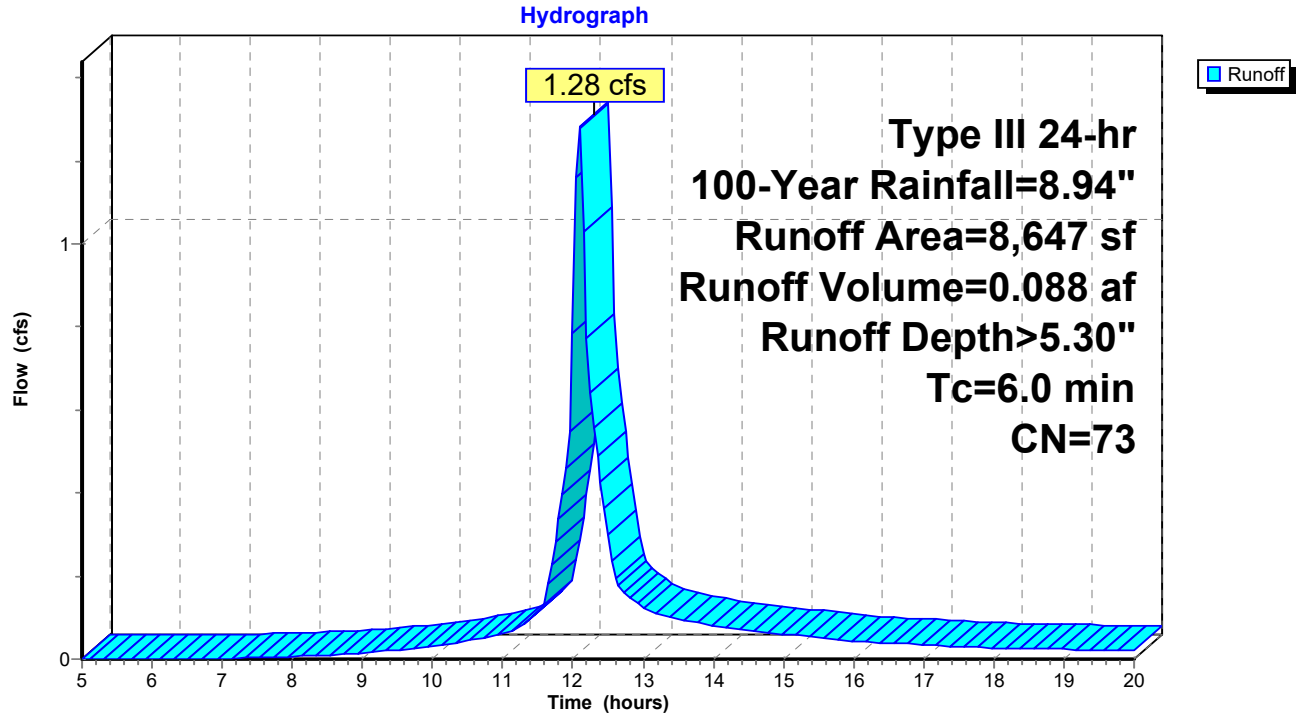
Runoff = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af, Depth> 5.30"
Routed to Pond 176P : CB 6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,656	39	>75% Grass cover, Good, HSG A
1,177	98	Unconnected roofs, HSG A
3,814	98	Paved parking, HSG A
8,647	73	Weighted Average
3,656		42.28% Pervious Area
4,991		57.72% Impervious Area
1,177		23.58% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 184S: P3OOO



Summary for Subcatchment 185S: P3PPP

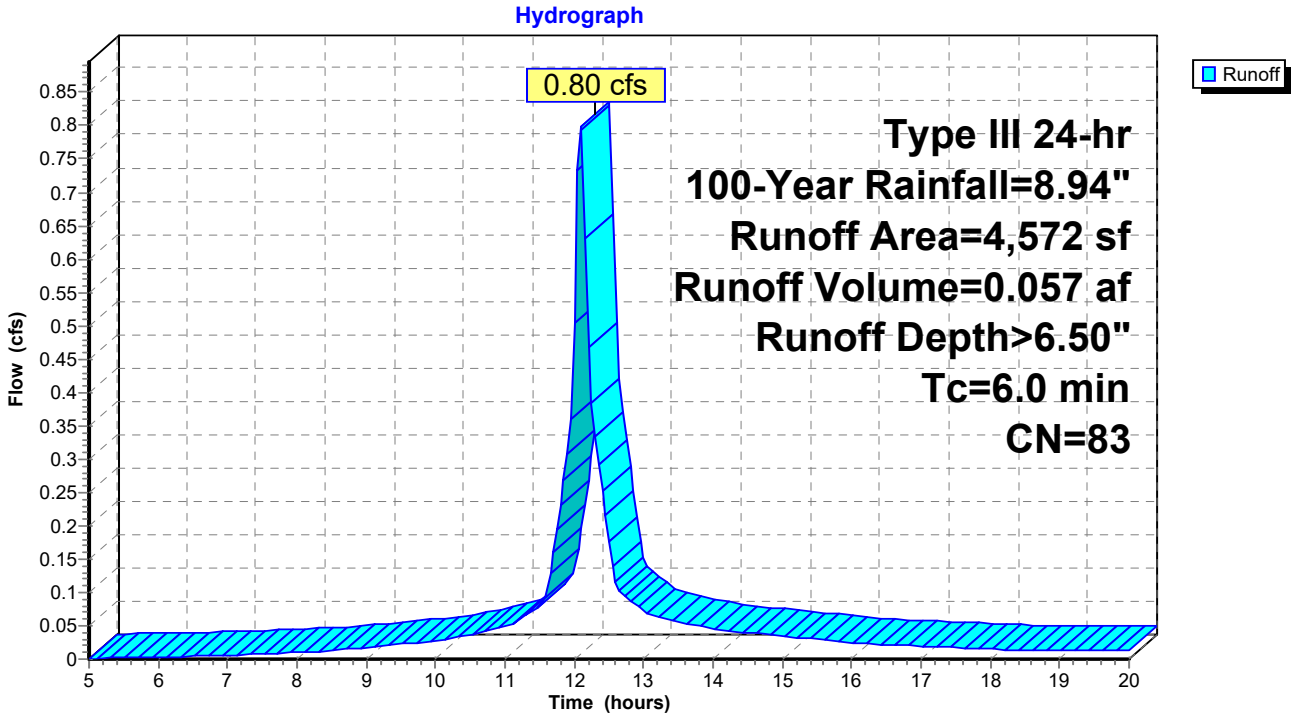
Runoff = 0.80 cfs @ 12.09 hrs, Volume= 0.057 af, Depth> 6.50"
Routed to Pond 182P : CB 7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,135	39	>75% Grass cover, Good, HSG A
1,267	98	Unconnected roofs, HSG A
2,170	98	Paved parking, HSG A
4,572	83	Weighted Average
1,135		24.83% Pervious Area
3,437		75.17% Impervious Area
1,267		36.86% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 185S: P3PPP



Summary for Subcatchment 186S: P3QQQ

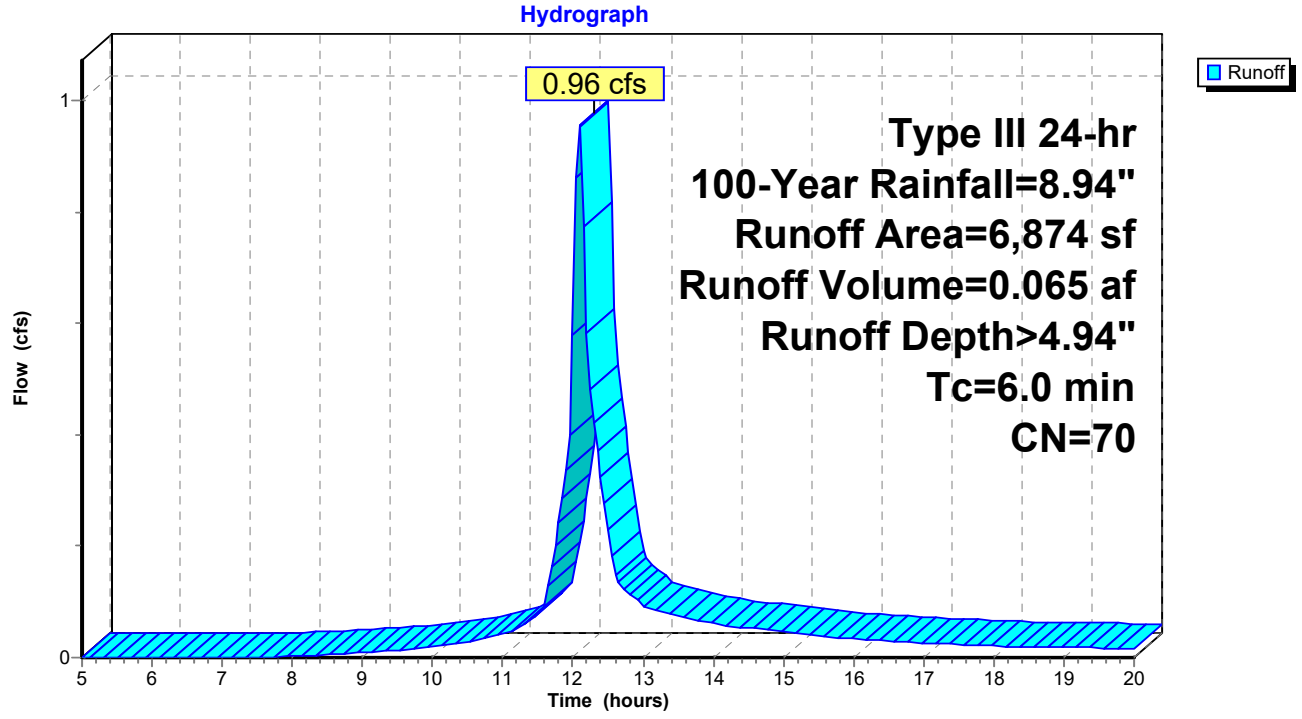
Runoff = 0.96 cfs @ 12.09 hrs, Volume= 0.065 af, Depth> 4.94"
Routed to Pond 188P : CB 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,125	39	>75% Grass cover, Good, HSG A
992	30	Woods, Good, HSG A
3,757	98	Paved parking, HSG A
6,874	70	Weighted Average
3,117		45.34% Pervious Area
3,757		54.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 186S: P3QQQ



Summary for Subcatchment 187S: P3RRR

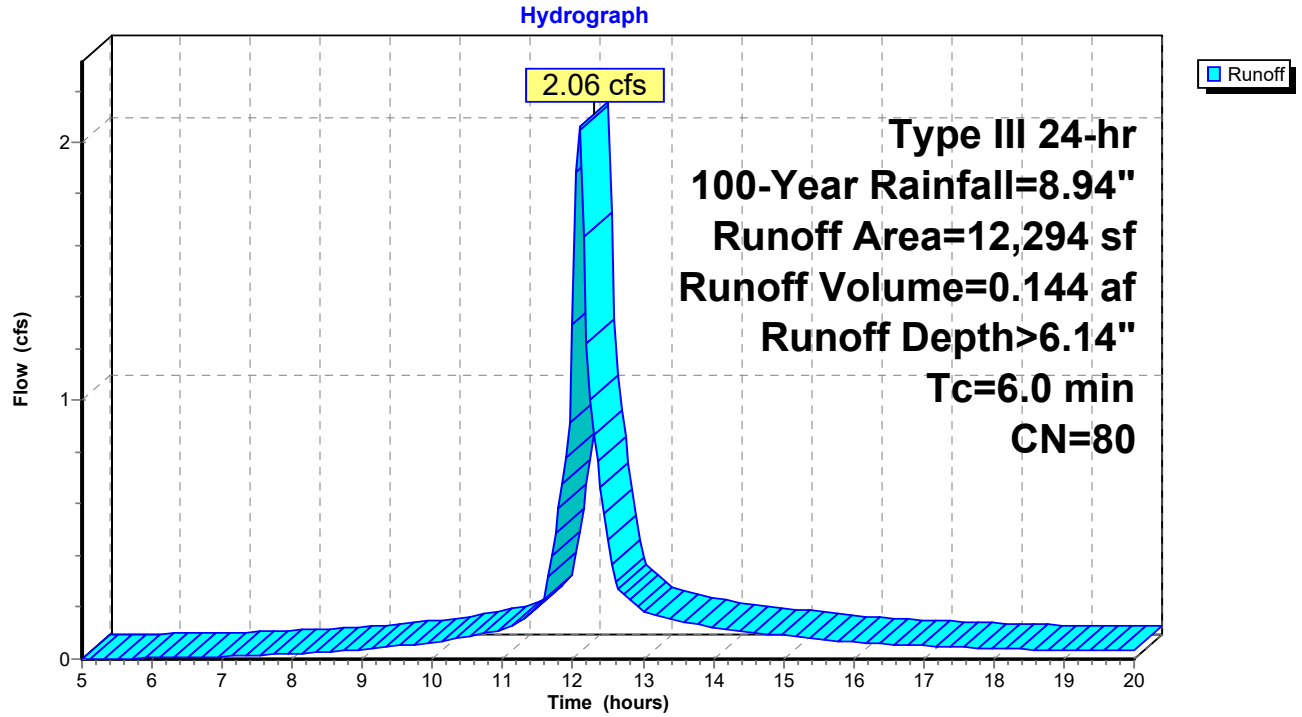
Runoff = 2.06 cfs @ 12.09 hrs, Volume= 0.144 af, Depth> 6.14"
Routed to Pond 189P : CB 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,803	39	>75% Grass cover, Good, HSG A
2,556	98	Unconnected roofs, HSG A
5,935	98	Paved parking, HSG A
12,294	80	Weighted Average
3,803		30.93% Pervious Area
8,491		69.07% Impervious Area
2,556		30.10% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 187S: P3RRR



Summary for Subcatchment 189S: (new Subcat)

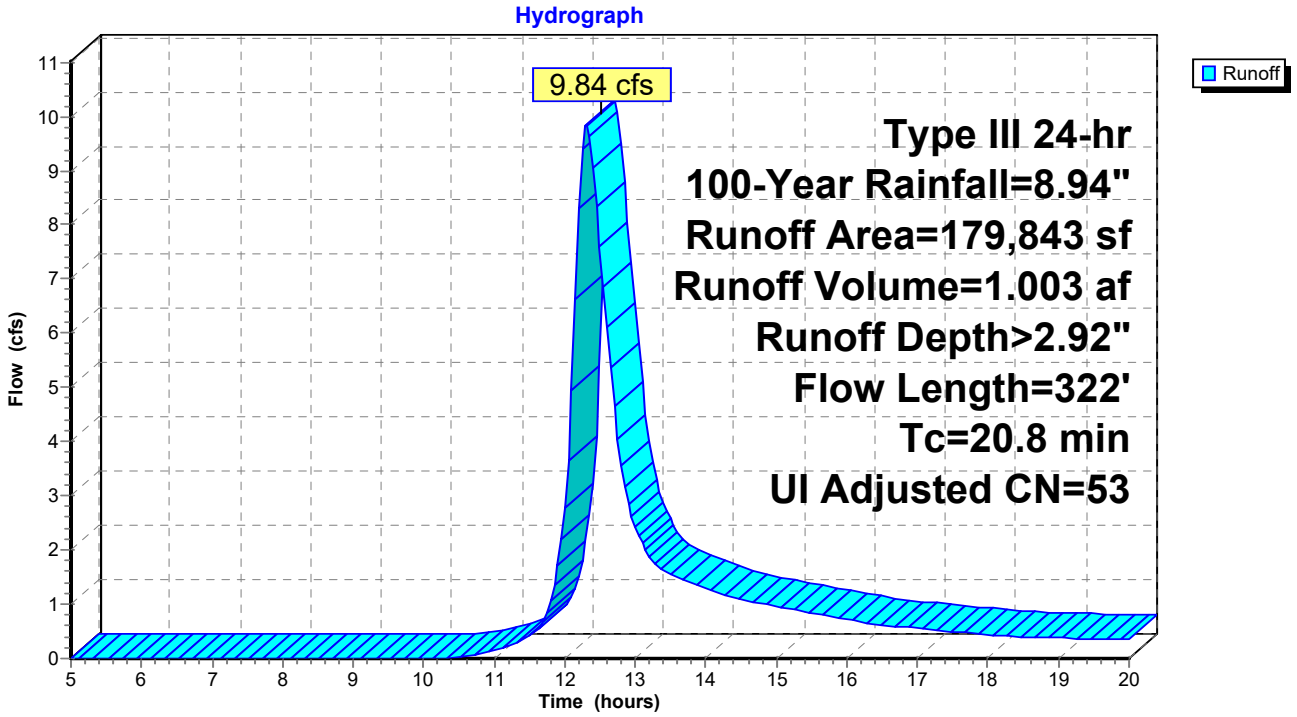
Runoff = 9.84 cfs @ 12.31 hrs, Volume= 1.003 af, Depth> 2.92"
Routed to Link 188L : DP 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
39,228	30		Woods, Good, HSG A
27,809	70		Woods, Good, HSG C
2,509	98		Unconnected roofs, HSG C
1,351	98		Unconnected pavement, HSG C
3,066	98		Unconnected roofs, HSG A
1,335	98		Unconnected pavement, HSG A
49,779	74		>75% Grass cover, Good, HSG C
54,766	39		>75% Grass cover, Good, HSG A
179,843	54	53	Weighted Average, UI Adjusted
171,582			95.41% Pervious Area
8,261			4.59% Impervious Area
8,261			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	50	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
4.3	272	0.0450	1.06		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
20.8	322	Total			

Subcatchment 189S: (new Subcat)



Summary for Subcatchment 190S: (new Subcat)

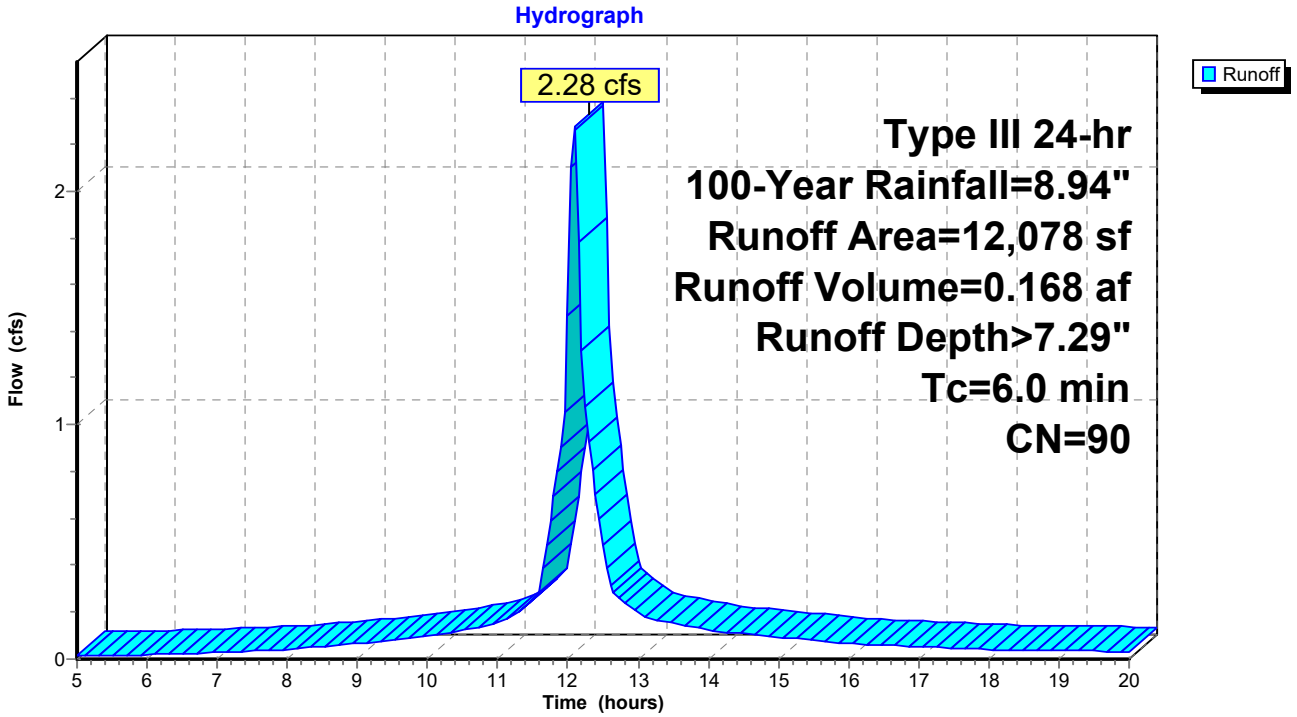
Runoff = 2.28 cfs @ 12.09 hrs, Volume= 0.168 af, Depth> 7.29"
Routed to Pond 191P : CB 42

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,763	98	Unconnected roofs, HSG A
1,707	39	>75% Grass cover, Good, HSG A
6,608	98	Paved parking, HSG A
12,078	90	Weighted Average
1,707		14.13% Pervious Area
10,371		85.87% Impervious Area
3,763		36.28% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 190S: (new Subcat)



Summary for Subcatchment 191S: P3SSS

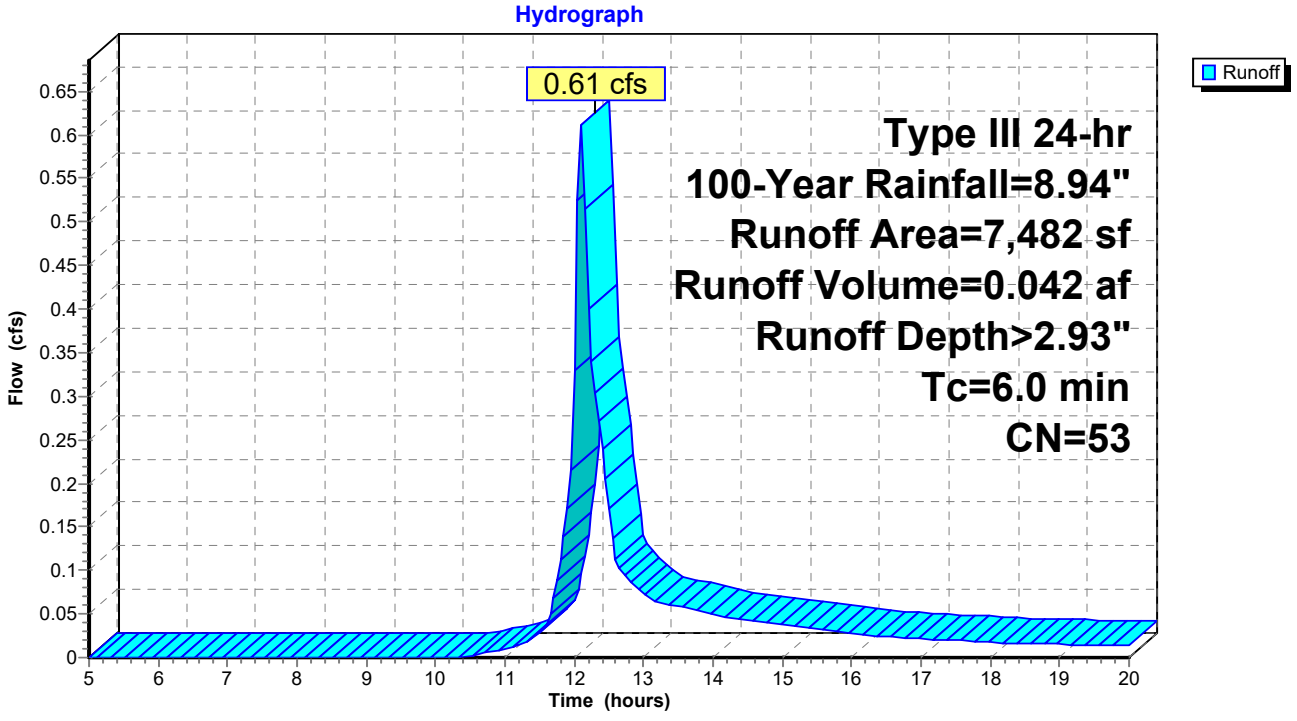
Runoff = 0.61 cfs @ 12.10 hrs, Volume= 0.042 af, Depth> 2.93"
Routed to Pond 193P : CB 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,068	39	>75% Grass cover, Good, HSG A
4,042	30	Woods, Good, HSG A
2,372	98	Paved parking, HSG A
7,482	53	Weighted Average
5,110		68.30% Pervious Area
2,372		31.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 191S: P3SSS



Summary for Subcatchment 192S: P3TTT

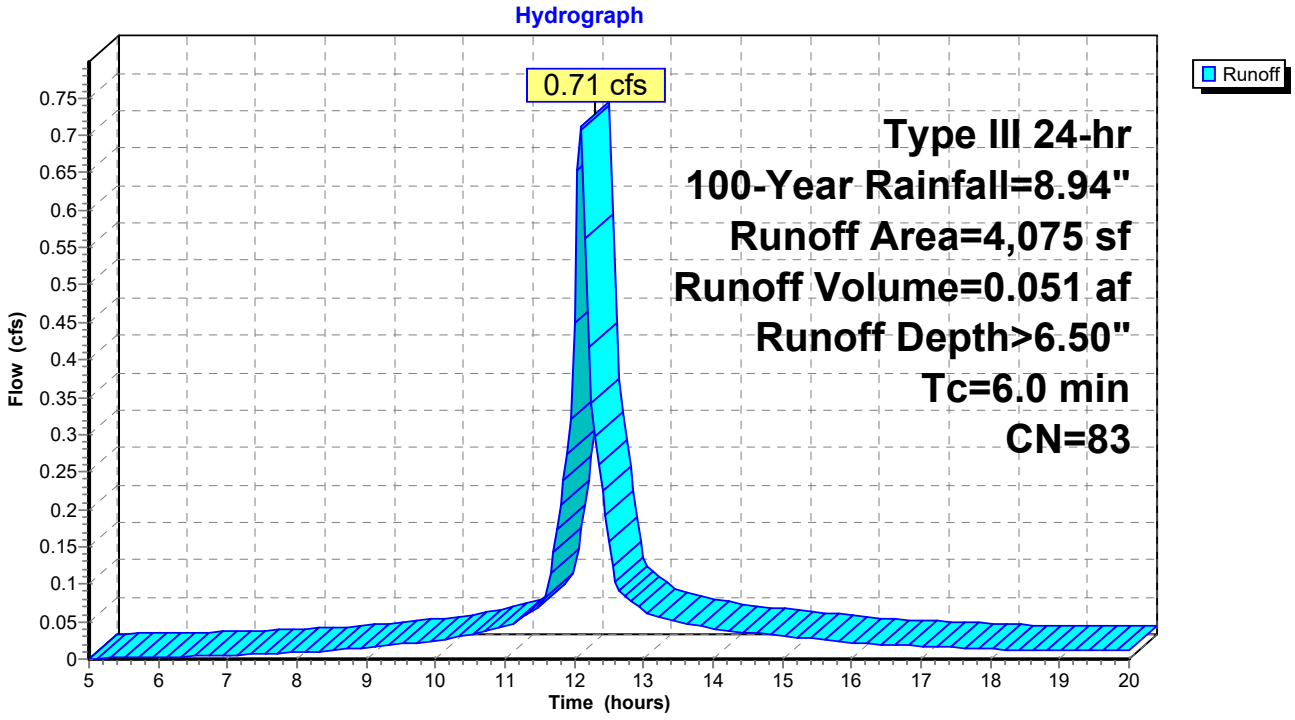
Runoff = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af, Depth> 6.50"
Routed to Pond 194P : CB 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
1,044	39	>75% Grass cover, Good, HSG A
3,031	98	Paved parking, HSG A
4,075	83	Weighted Average
1,044		25.62% Pervious Area
3,031		74.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 192S: P3TTT



Summary for Subcatchment 195S: P3UUU

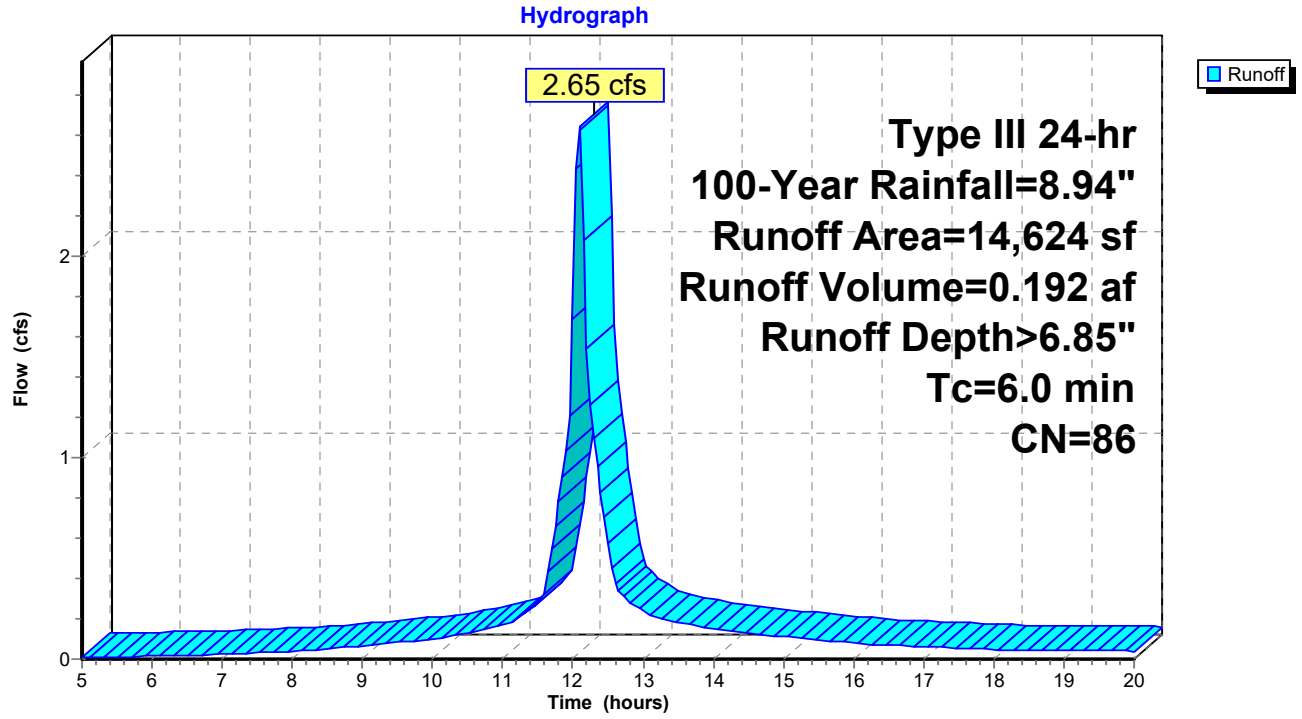
Runoff = 2.65 cfs @ 12.09 hrs, Volume= 0.192 af, Depth> 6.85"
Routed to Pond 196P : CB 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
2,892	39	>75% Grass cover, Good, HSG A
4,558	98	Unconnected roofs, HSG A
7,174	98	Paved parking, HSG A
14,624	86	Weighted Average
2,892		19.78% Pervious Area
11,732		80.22% Impervious Area
4,558		38.85% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 195S: P3UUU



Summary for Subcatchment 198S: P3VVV

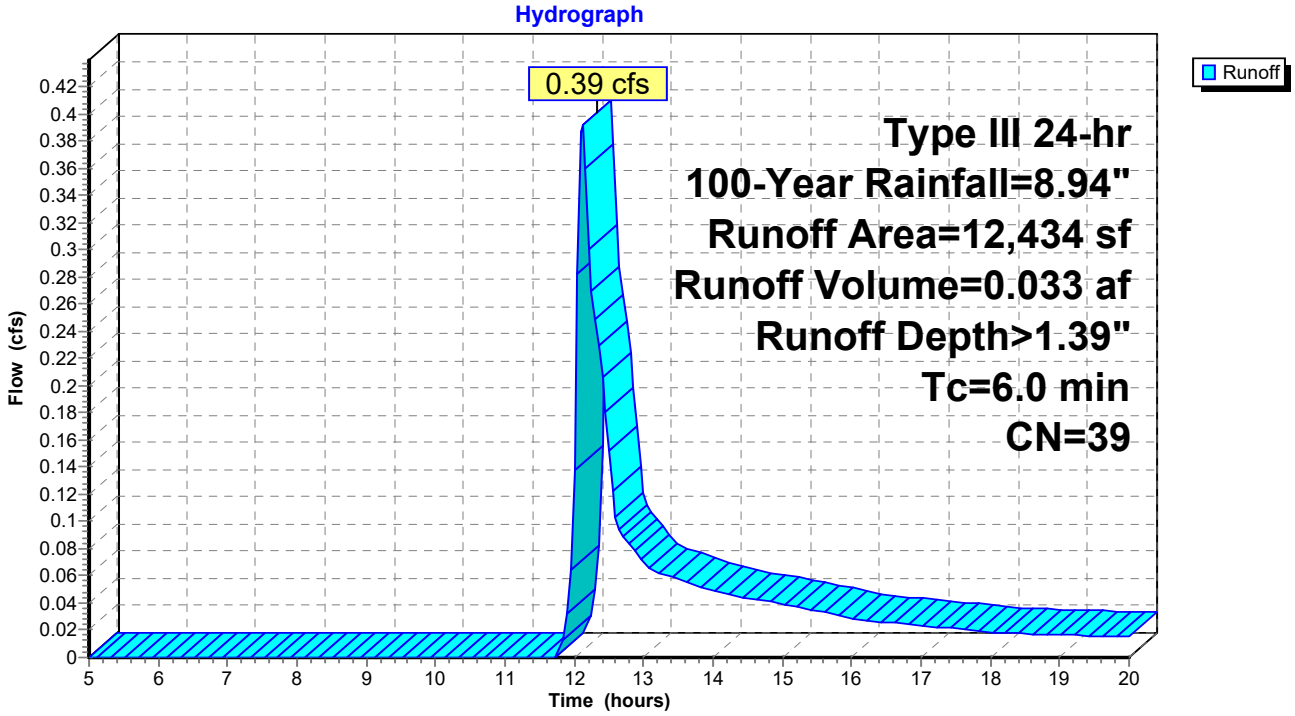
Runoff = 0.39 cfs @ 12.11 hrs, Volume= 0.033 af, Depth> 1.39"
Routed to Pond 197P : Inf. Basin 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
12,434	39	>75% Grass cover, Good, HSG A
12,434		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 198S: P3VVV



Summary for Subcatchment 202S: (new Subcat)

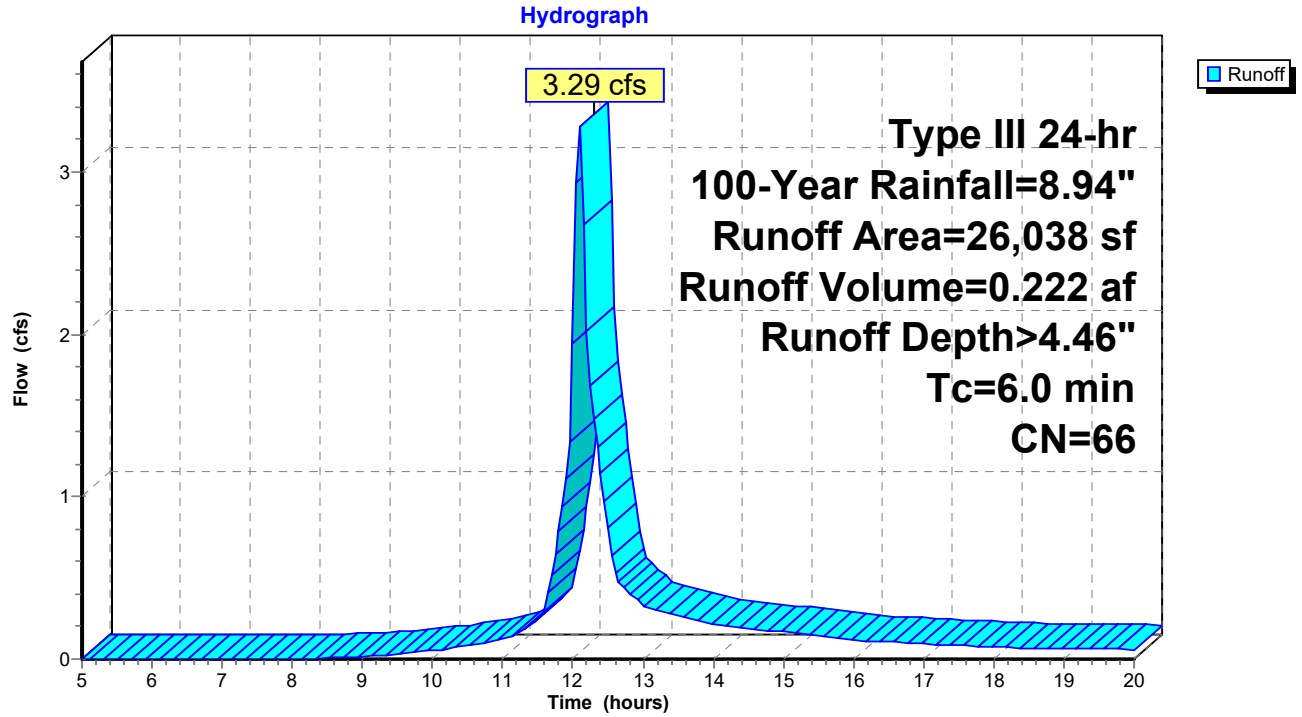
Runoff = 3.29 cfs @ 12.09 hrs, Volume= 0.222 af, Depth> 4.46"
Routed to Pond 201P : Sub. Inf. 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
9,091	98	Unconnected roofs, HSG A
2,905	98	Unconnected pavement, HSG A
14,042	39	>75% Grass cover, Good, HSG A
26,038	66	Weighted Average
14,042		53.93% Pervious Area
11,996		46.07% Impervious Area
11,996		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 202S: (new Subcat)



Summary for Subcatchment 204S: (new Subcat)

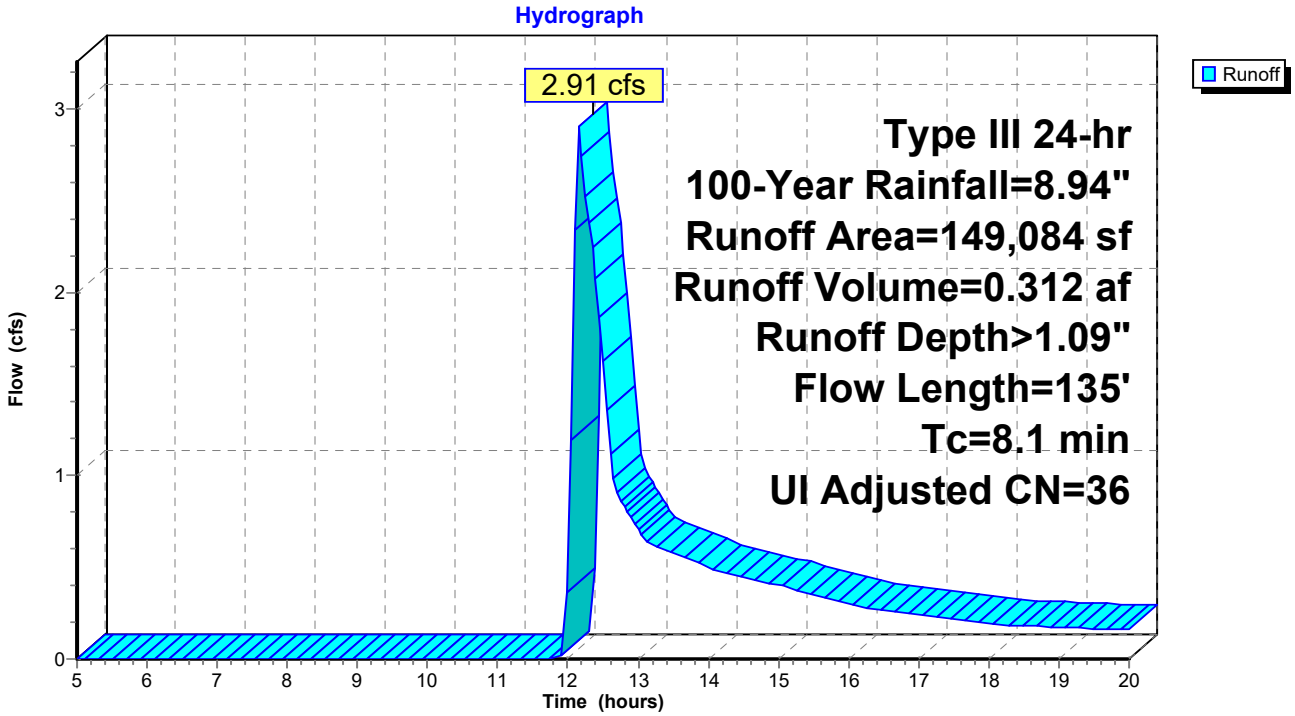
Runoff = 2.91 cfs @ 12.16 hrs, Volume= 0.312 af, Depth> 1.09"
Routed to Link 203L : 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
72,013	30		Woods, Good, HSG A
71,711	39		>75% Grass cover, Good, HSG A
3,689	98		Unconnected roofs, HSG A
1,671	98		Unconnected pavement, HSG A
149,084	37	36	Weighted Average, UI Adjusted
143,724			96.40% Pervious Area
5,360			3.60% Impervious Area
5,360			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.5	50	0.0100	0.11		**Sheet Flow,** Grass: Short n= 0.150 P2= 3.10"
0.6	85	0.1200	2.42		**Shallow Concentrated Flow,** Short Grass Pasture Kv= 7.0 fps
8.1	135	Total			

Subcatchment 204S: (new Subcat)



Summary for Subcatchment 205S: (new Subcat)

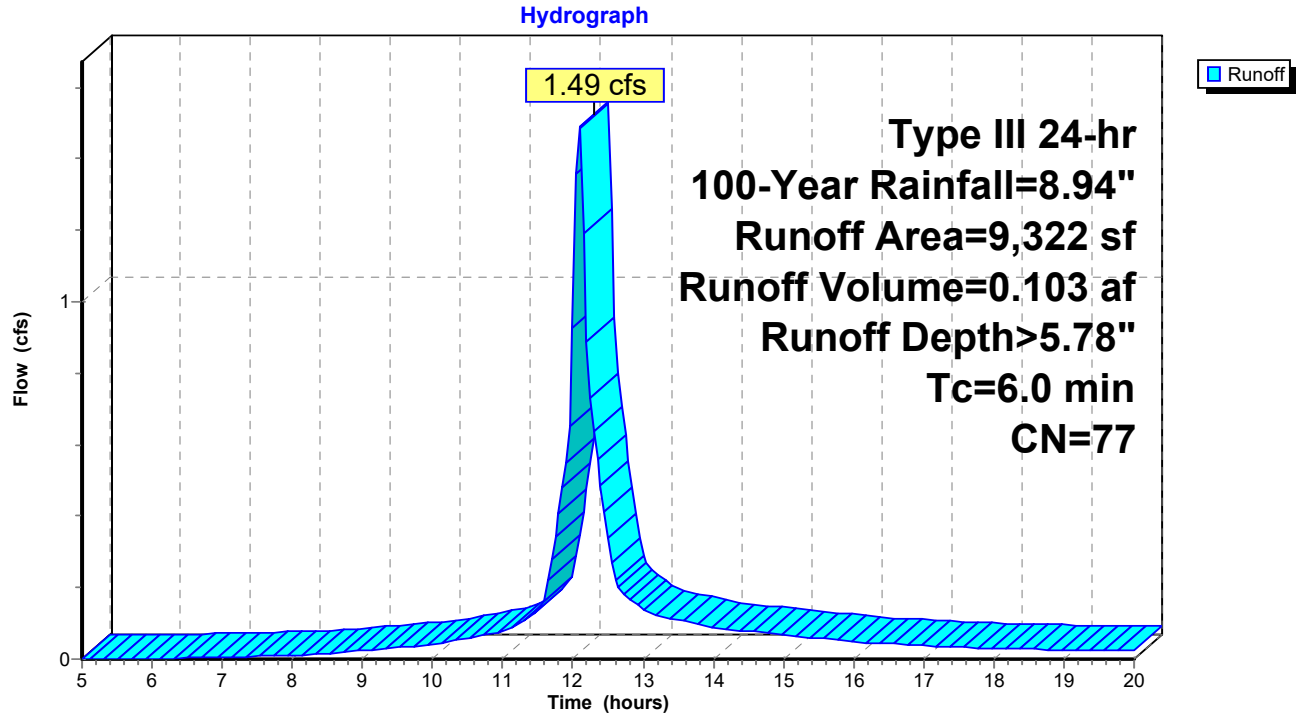
Runoff = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af, Depth> 5.78"
Routed to Pond 218P : CB A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
4,257	98	Paved parking, HSG A
1,759	98	Unconnected roofs, HSG A
3,306	39	>75% Grass cover, Good, HSG A
9,322	77	Weighted Average
3,306		35.46% Pervious Area
6,016		64.54% Impervious Area
1,759		29.24% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 205S: (new Subcat)



Summary for Subcatchment 206S: (new Subcat)

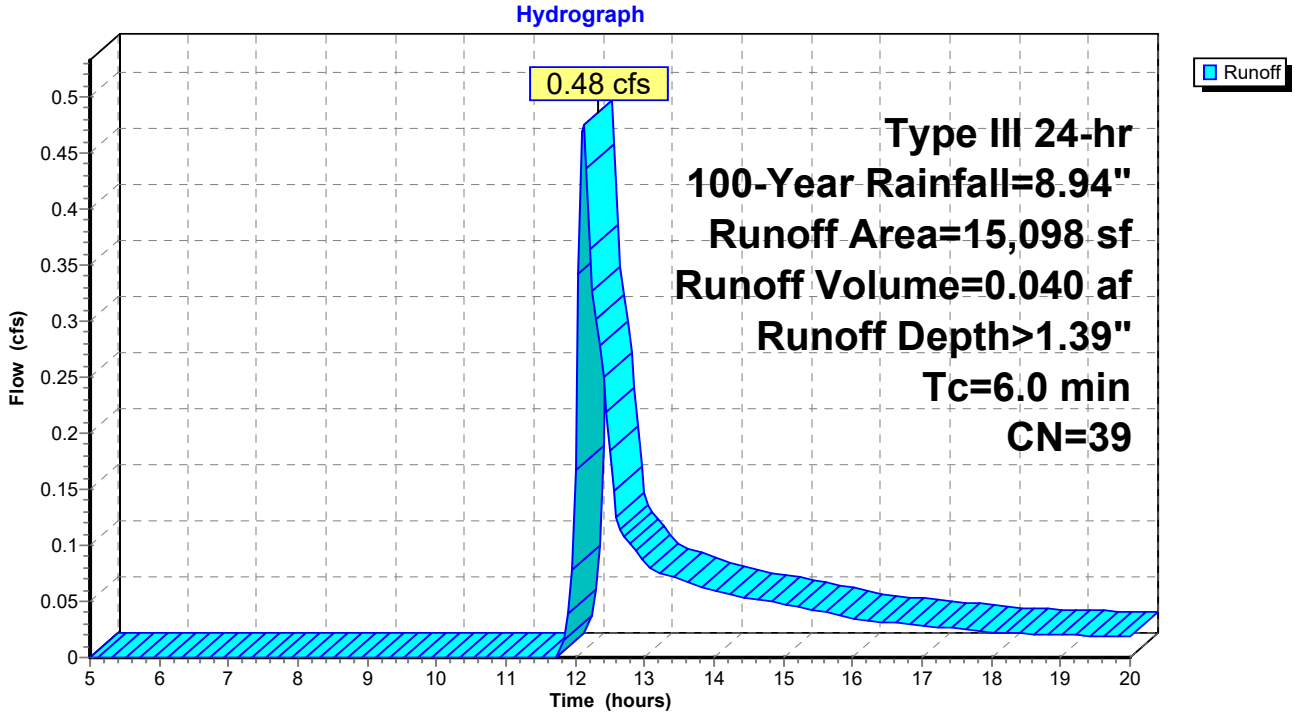
Runoff = 0.48 cfs @ 12.11 hrs, Volume= 0.040 af, Depth> 1.39"
Routed to Pond 186P : Constructed Wetland 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
15,098	39	>75% Grass cover, Good, HSG A
15,098		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 206S: (new Subcat)



Summary for Subcatchment 207S: (new Subcat)

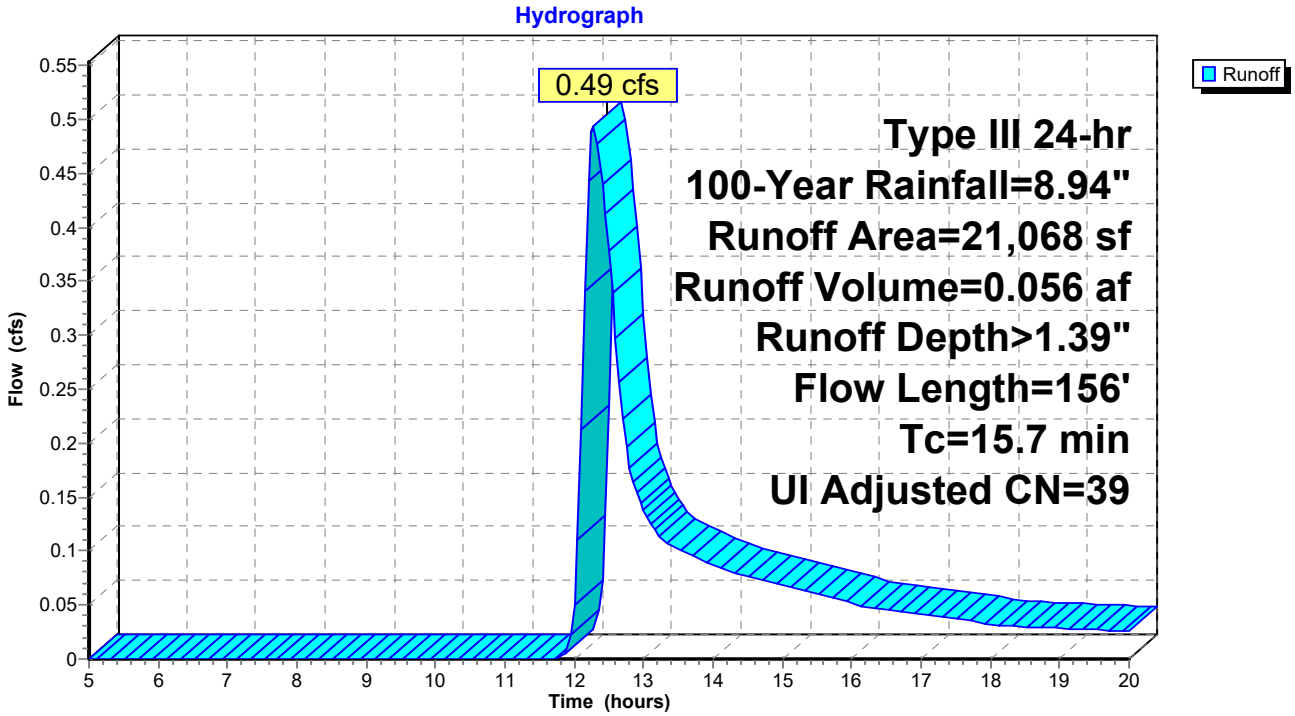
Runoff = 0.49 cfs @ 12.27 hrs, Volume= 0.056 af, Depth> 1.39"
Routed to Pond 216P : CB 8A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Adj	Description
1,937	98		Unconnected roofs, HSG A
1,504	98		Paved parking, HSG A
16,314	30		Woods, Good, HSG A
1,313	39		>75% Grass cover, Good, HSG A
21,068	42	39	Weighted Average, UI Adjusted
17,627			83.67% Pervious Area
3,441			16.33% Impervious Area
1,937			56.29% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.5	50	0.0250	0.07		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.10"
4.2	106	0.0070	0.42		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
15.7	156	Total			

Subcatchment 207S: (new Subcat)



Summary for Subcatchment 216S: (new Subcat)

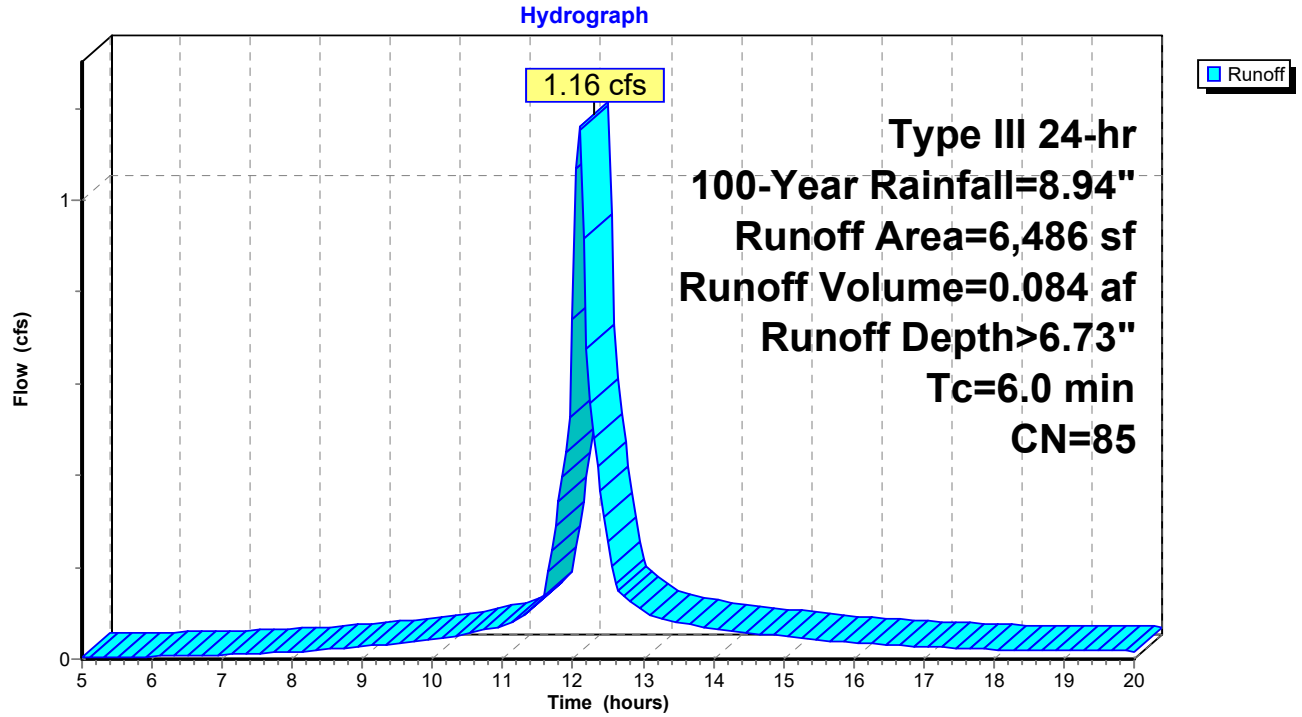
Runoff = 1.16 cfs @ 12.09 hrs, Volume= 0.084 af, Depth> 6.73"
Routed to Pond 215P : CB 5A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.94"

Area (sf)	CN	Description
3,069	98	Paved parking, HSG A
1,946	98	Unconnected roofs, HSG A
1,471	39	>75% Grass cover, Good, HSG A
6,486	85	Weighted Average
1,471		22.68% Pervious Area
5,015		77.32% Impervious Area
1,946		38.80% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry,**

Subcatchment 216S: (new Subcat)



Summary for Pond 15P: Inf. Basin 5

Inflow Area = 2.511 ac, 70.09% Impervious, Inflow Depth > 7.32" for 100-Year event
Inflow = 20.47 cfs @ 12.09 hrs, Volume= 1.532 af
Outflow = 11.44 cfs @ 12.21 hrs, Volume= 1.213 af, Atten= 44%, Lag= 7.6 min
Discarded = 0.35 cfs @ 12.21 hrs, Volume= 0.287 af
Primary = 11.09 cfs @ 12.21 hrs, Volume= 0.927 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.48' @ 12.21 hrs Surf.Area= 9,521 sf Storage= 26,758 cf

Plug-Flow detention time= 134.9 min calculated for 1.209 af (79% of inflow)
Center-of-Mass det. time= 80.0 min (824.6 - 744.7)

Volume	Invert	Avail.Storage	Storage Description
#1	57.00'	31,893 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

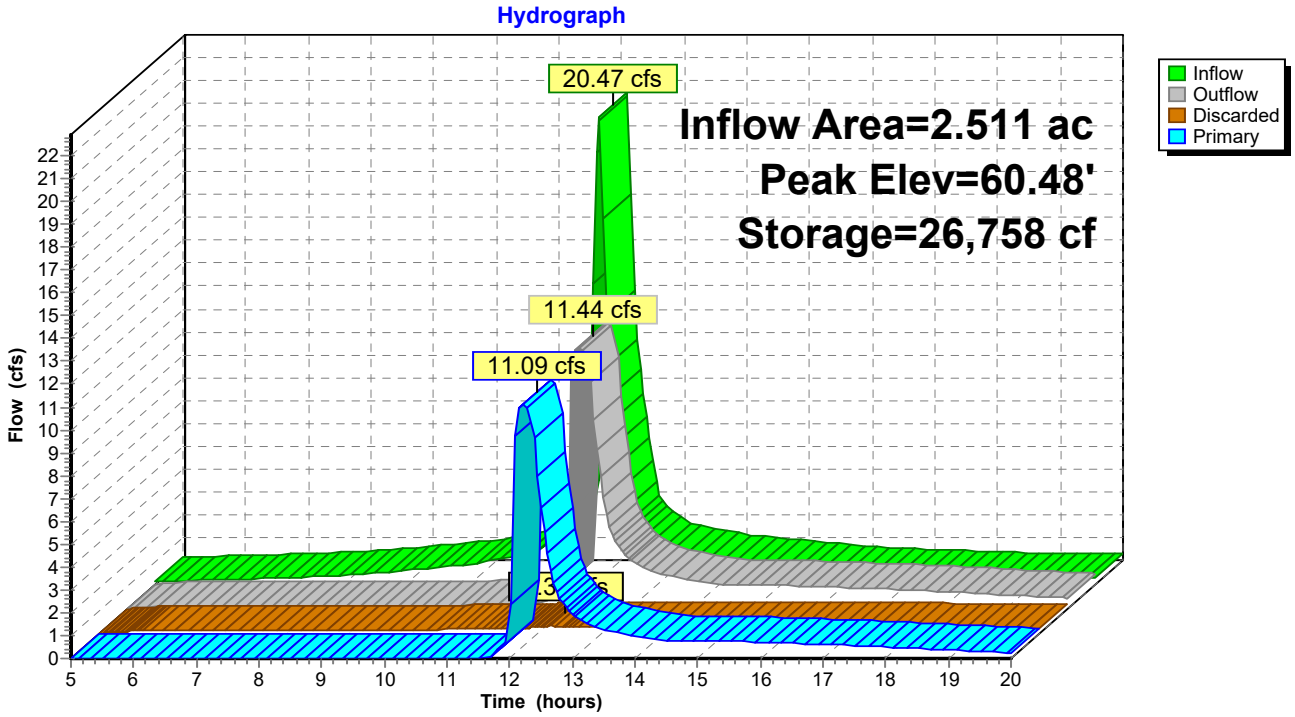
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
57.00	5,984	0	0
58.00	6,929	6,457	6,457
59.00	7,931	7,430	13,887
60.00	8,989	8,460	22,347
61.00	10,104	9,547	31,893

Device	Routing	Invert	Outlet Devices
#1	Discarded	57.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 52.00'
#2	Primary	57.00'	**18.0" Round Culvert** L= 67.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.00' / 52.50' S= 0.0672 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#3	Device 2	58.75'	**4.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	59.80'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.35 cfs @ 12.21 hrs HW=60.47' (Free Discharge)
└**1=Exfiltration** (Controls 0.35 cfs)

Primary OutFlow Max=11.08 cfs @ 12.21 hrs HW=60.47' (Free Discharge)
└**2=Culvert** (Inlet Controls 11.08 cfs @ 6.27 fps)
  ├**3=Orifice/Grate** (Passes < 1.05 cfs potential flow)
  └**4=Orifice/Grate** (Passes < 14.36 cfs potential flow)

Pond 15P: Inf. Basin 5



Stage-Area-Storage for Pond 15P: Inf. Basin 5

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
57.00	5,984	0
57.05	6,031	300
57.10	6,079	603
57.15	6,126	908
57.20	6,173	1,216
57.25	6,220	1,526
57.30	6,267	1,838
57.35	6,315	2,152
57.40	6,362	2,469
57.45	6,409	2,788
57.50	6,457	3,110
57.55	6,504	3,434
57.60	6,551	3,761
57.65	6,598	4,089
57.70	6,646	4,420
57.75	6,693	4,754
57.80	6,740	5,090
57.85	6,787	5,428
57.90	6,834	5,768
57.95	6,882	6,111
58.00	6,929	6,457
58.05	6,979	6,804
58.10	7,029	7,154
58.15	7,079	7,507
58.20	7,129	7,862
58.25	7,180	8,220
58.30	7,230	8,580
58.35	7,280	8,943
58.40	7,330	9,308
58.45	7,380	9,676
58.50	7,430	10,046
58.55	7,480	10,419
58.60	7,530	10,794
58.65	7,580	11,172
58.70	7,630	11,552
58.75	7,681	11,935
58.80	7,731	12,320
58.85	7,781	12,708
58.90	7,831	13,098
58.95	7,881	13,491
59.00	7,931	13,887
59.05	7,984	14,284
59.10	8,037	14,685
59.15	8,090	15,088
59.20	8,143	15,494
59.25	8,196	15,902
59.30	8,248	16,313
59.35	8,301	16,727
59.40	8,354	17,144
59.45	8,407	17,563
59.50	8,460	17,984
59.55	8,513	18,409
59.60	8,566	18,836
59.65	8,619	19,265
59.70	8,672	19,697
59.75	8,725	20,132
59.80	8,777	20,570
59.85	8,830	21,010
59.90	8,883	21,453
59.95	8,936	21,898
60.00	8,989	22,347
60.05	9,045	22,797
60.10	9,101	23,251
60.15	9,156	23,707
60.20	9,212	24,167
60.25	9,268	24,629
60.30	9,323	25,093
60.35	9,379	25,561
60.40	9,435	26,031
60.45	9,491	26,504
60.50	9,547	26,980
60.55	9,602	27,459
60.60	9,658	27,941
60.65	9,714	28,425
60.70	9,770	28,912
60.75	9,825	29,402
60.80	9,881	29,894
60.85	9,937	30,390
60.90	9,992	30,888
60.95	10,048	31,389
61.00	**10,104**	**31,893**

Summary for Pond 16P: CB 58

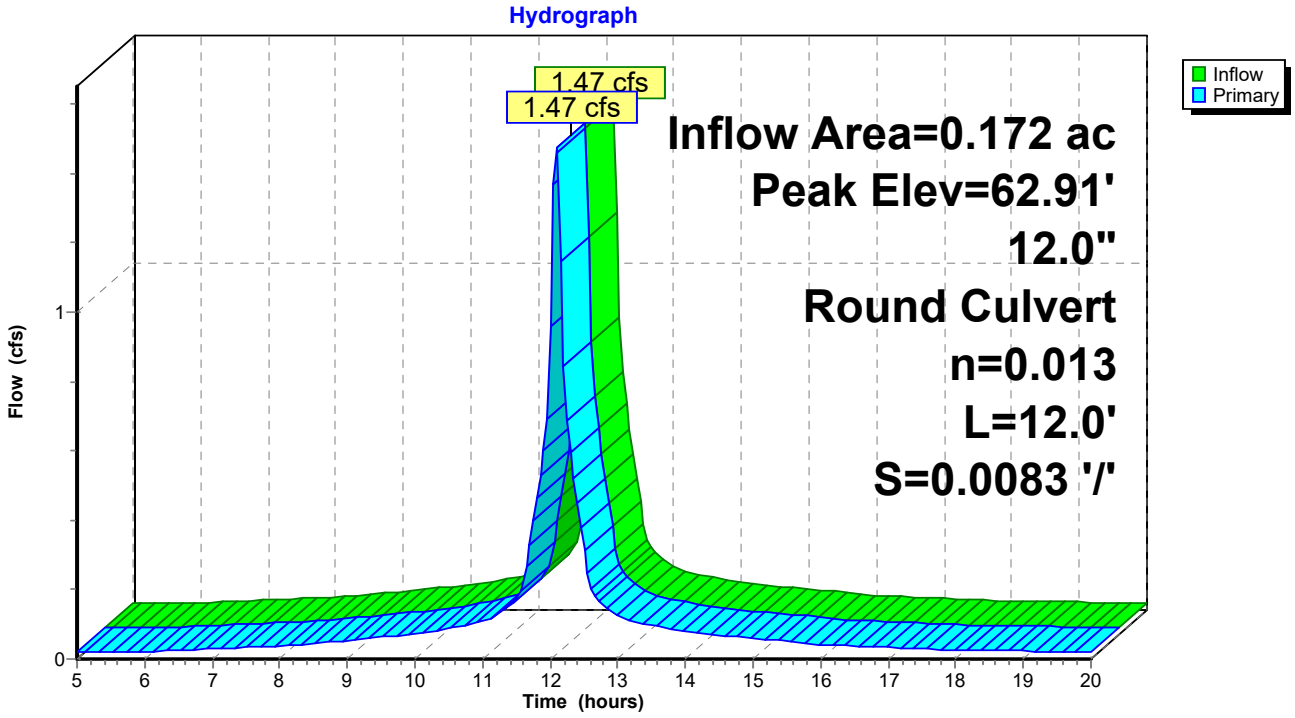
Inflow Area = 0.172 ac, 96.61% Impervious, Inflow Depth > 7.94" for 100-Year event
Inflow = 1.47 cfs @ 12.09 hrs, Volume= 0.114 af
Outflow = 1.47 cfs @ 12.09 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min
Primary = 1.47 cfs @ 12.09 hrs, Volume= 0.114 af
Routed to Pond 20P : DMH 43

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.91' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 62.00' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.43 cfs @ 12.09 hrs HW=62.89' (Free Discharge)
1=Culvert (Barrel Controls 1.43 cfs @ 2.94 fps)

Pond 16P: CB 58



Stage-Area-Storage for Pond 16P: CB 58

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000		
62.59	0.000		
62.60	0.000		
62.61	0.000		
62.62	0.000		

Summary for Pond 17P: CB 59

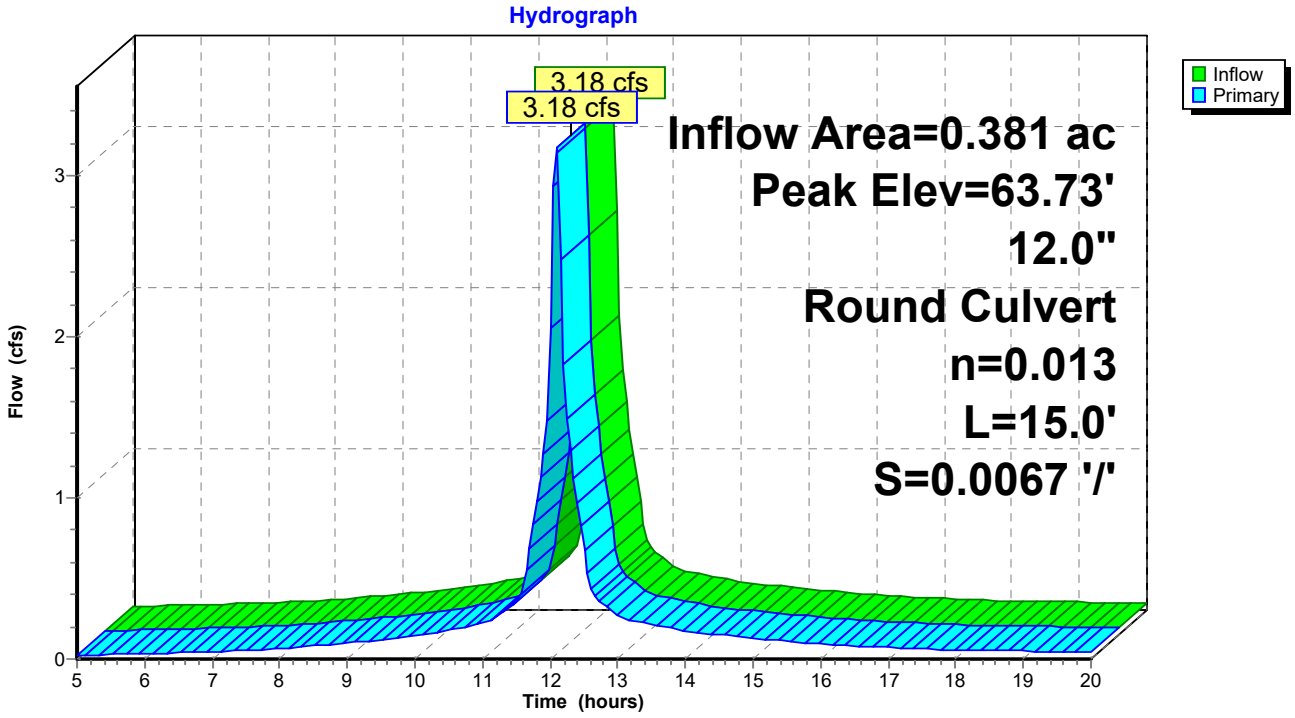
Inflow Area = 0.381 ac, 74.19% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 3.18 cfs @ 12.09 hrs, Volume= 0.238 af
Outflow = 3.18 cfs @ 12.09 hrs, Volume= 0.238 af, Atten= 0%, Lag= 0.0 min
Primary = 3.18 cfs @ 12.09 hrs, Volume= 0.238 af
Routed to Pond 20P : DMH 43

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.73' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 62.00' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.09 cfs @ 12.09 hrs HW=63.67' (Free Discharge)
1=Culvert (Inlet Controls 3.09 cfs @ 3.94 fps)

Pond 17P: CB 59



Stage-Area-Storage for Pond 17P: CB 59

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	63.16	0.000
62.12	0.000	63.18	0.000
62.14	0.000	63.20	0.000
62.16	0.000	63.22	0.000
62.18	0.000	63.24	0.000
62.20	0.000	63.26	0.000
62.22	0.000	63.28	0.000
62.24	0.000	63.30	0.000
62.26	0.000	63.32	0.000
62.28	0.000	63.34	0.000
62.30	0.000	63.36	0.000
62.32	0.000	63.38	0.000
62.34	0.000	63.40	0.000
62.36	0.000	63.42	0.000
62.38	0.000	63.44	0.000
62.40	0.000	63.46	0.000
62.42	0.000	63.48	0.000
62.44	0.000	63.50	0.000
62.46	0.000	63.52	0.000
62.48	0.000	63.54	0.000
62.50	0.000	63.56	0.000
62.52	0.000	63.58	0.000
62.54	0.000	63.60	0.000
62.56	0.000	63.62	0.000
62.58	0.000	63.64	0.000
62.60	0.000	63.66	0.000
62.62	0.000	63.68	0.000
62.64	0.000	63.70	0.000
62.66	0.000	63.72	0.000
62.68	0.000		
62.70	0.000		
62.72	0.000		
62.74	0.000		
62.76	0.000		
62.78	0.000		
62.80	0.000		
62.82	0.000		
62.84	0.000		
62.86	0.000		
62.88	0.000		
62.90	0.000		
62.92	0.000		
62.94	0.000		
62.96	0.000		
62.98	0.000		
63.00	0.000		
63.02	0.000		
63.04	0.000		
63.06	0.000		
63.08	0.000		
63.10	0.000		
63.12	0.000		
63.14	0.000		

Summary for Pond 18P: CB 63

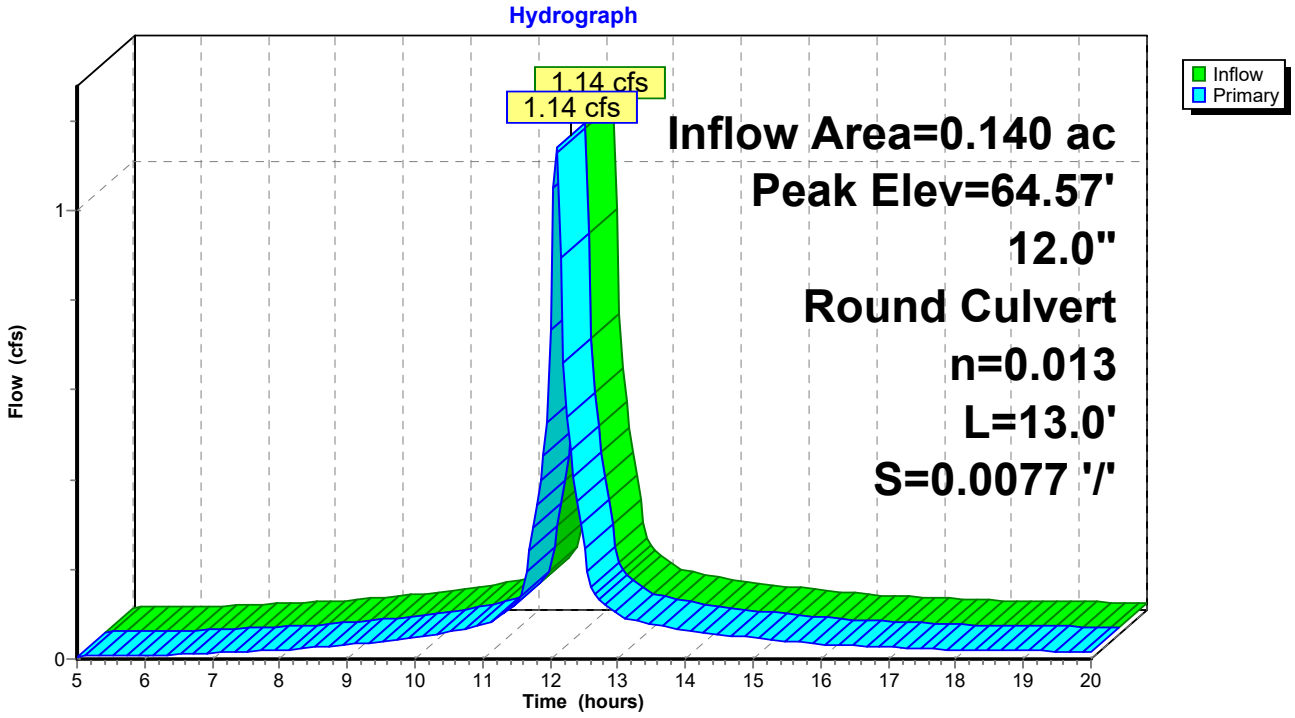
Inflow Area = 0.140 ac, 64.30% Impervious, Inflow Depth > 7.18" for 100-Year event
Inflow = 1.14 cfs @ 12.09 hrs, Volume= 0.084 af
Outflow = 1.14 cfs @ 12.09 hrs, Volume= 0.084 af, Atten= 0%, Lag= 0.0 min
Primary = 1.14 cfs @ 12.09 hrs, Volume= 0.084 af
Routed to Pond 25P : DMH 45

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.57' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.88'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.88' / 63.78' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.11 cfs @ 12.09 hrs HW=64.56' (Free Discharge)
1=Culvert (Barrel Controls 1.11 cfs @ 2.75 fps)

Pond 18P: CB 63



Stage-Area-Storage for Pond 18P: CB 63

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.88	**0.000**	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000	64.69	0.000
64.17	0.000	64.70	0.000
64.18	0.000	64.71	0.000
64.19	0.000	64.72	0.000
64.20	0.000	64.73	0.000
64.21	0.000	64.74	0.000
64.22	0.000	64.75	0.000
64.23	0.000	64.76	0.000
64.24	0.000	64.77	0.000
64.25	0.000	64.78	0.000
64.26	0.000	64.79	0.000
64.27	0.000	64.80	0.000
64.28	0.000	64.81	0.000
64.29	0.000	64.82	0.000
64.30	0.000	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000		
64.37	0.000		
64.38	0.000		
64.39	0.000		
64.40	0.000		

Summary for Pond 19P: CB 62

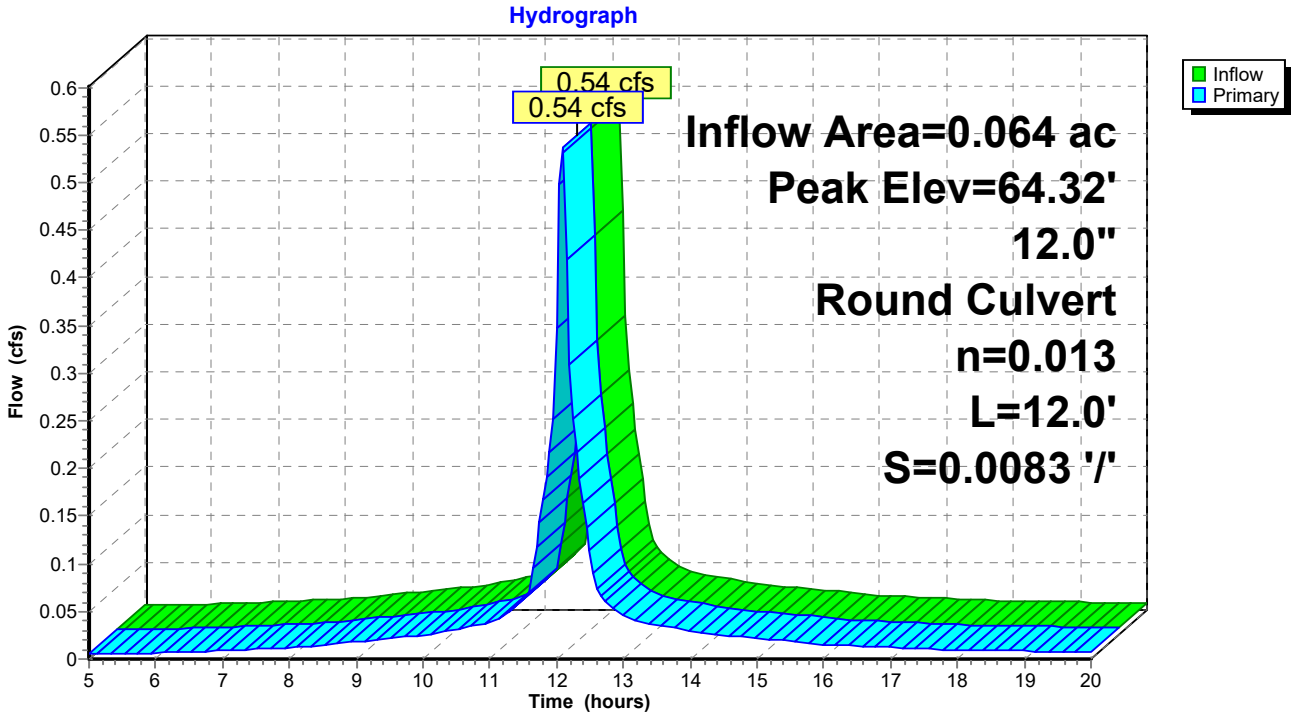
Inflow Area = 0.064 ac, 81.50% Impervious, Inflow Depth > 7.69" for 100-Year event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 0.041 af
Outflow = 0.54 cfs @ 12.09 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.0 min
Primary = 0.54 cfs @ 12.09 hrs, Volume= 0.041 af
Routed to Pond 25P : DMH 45

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.32' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.88'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.88' / 63.78' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.52 cfs @ 12.09 hrs HW=64.32' (Free Discharge)
1=Culvert (Barrel Controls 0.52 cfs @ 2.34 fps)

Pond 19P: CB 62



Stage-Area-Storage for Pond 19P: CB 62

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.88	**0.000**	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000	64.69	0.000
64.17	0.000	64.70	0.000
64.18	0.000	64.71	0.000
64.19	0.000	64.72	0.000
64.20	0.000	64.73	0.000
64.21	0.000	64.74	0.000
64.22	0.000	64.75	0.000
64.23	0.000	64.76	0.000
64.24	0.000	64.77	0.000
64.25	0.000	64.78	0.000
64.26	0.000	64.79	0.000
64.27	0.000	64.80	0.000
64.28	0.000	64.81	0.000
64.29	0.000	64.82	0.000
64.30	0.000	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000		
64.37	0.000		
64.38	0.000		
64.39	0.000		
64.40	0.000		

Summary for Pond 20P: DMH 43

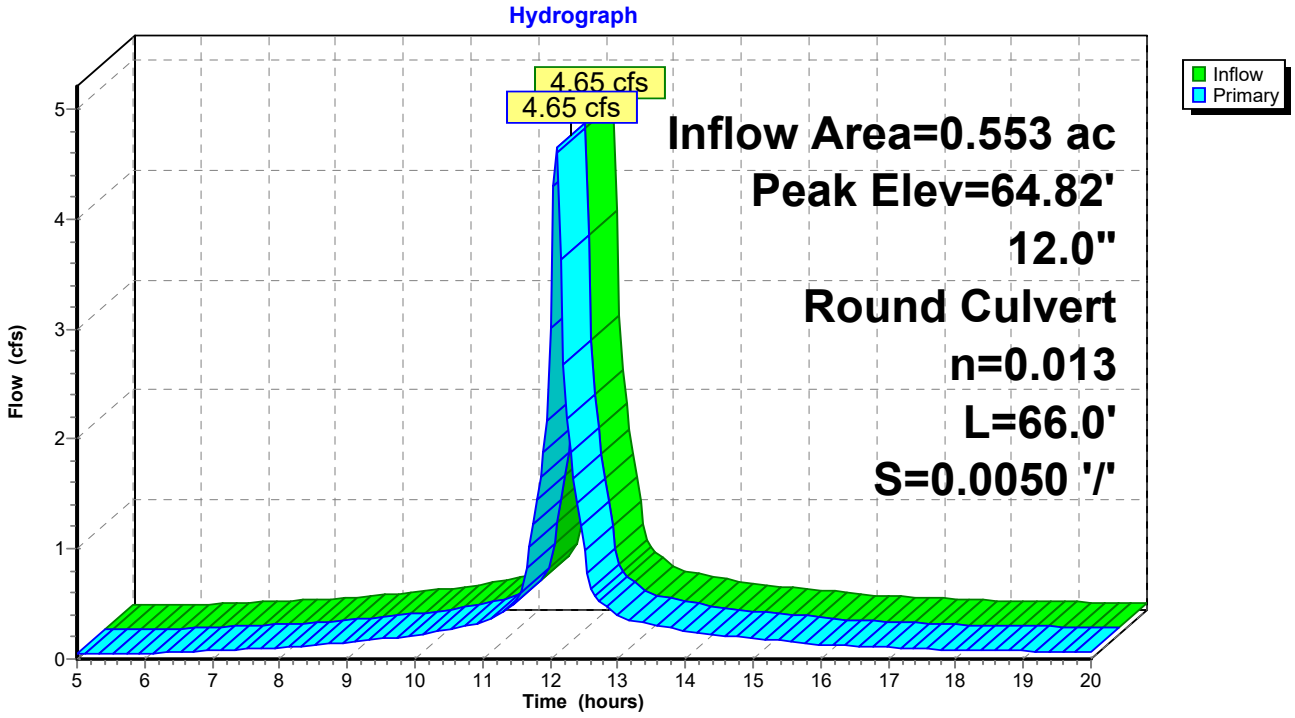
Inflow Area = 0.553 ac, 81.18% Impervious, Inflow Depth > 7.64" for 100-Year event
Inflow = 4.65 cfs @ 12.09 hrs, Volume= 0.352 af
Outflow = 4.65 cfs @ 12.09 hrs, Volume= 0.352 af, Atten= 0%, Lag= 0.0 min
Primary = 4.65 cfs @ 12.09 hrs, Volume= 0.352 af
Routed to Pond 21P : DMH 42

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.82' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.90'	**12.0" Round Culvert** L= 66.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.90' / 61.57' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.53 cfs @ 12.09 hrs HW=64.70' (Free Discharge)
1=Culvert (Inlet Controls 4.53 cfs @ 5.77 fps)

Pond 20P: DMH 43



Stage-Area-Storage for Pond 20P: DMH 43

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.90	**0.000**	62.96	0.000	64.02	0.000
61.92	0.000	62.98	0.000	64.04	0.000
61.94	0.000	63.00	0.000	64.06	0.000
61.96	0.000	63.02	0.000	64.08	0.000
61.98	0.000	63.04	0.000	64.10	0.000
62.00	0.000	63.06	0.000	64.12	0.000
62.02	0.000	63.08	0.000	64.14	0.000
62.04	0.000	63.10	0.000	64.16	0.000
62.06	0.000	63.12	0.000	64.18	0.000
62.08	0.000	63.14	0.000	64.20	0.000
62.10	0.000	63.16	0.000	64.22	0.000
62.12	0.000	63.18	0.000	64.24	0.000
62.14	0.000	63.20	0.000	64.26	0.000
62.16	0.000	63.22	0.000	64.28	0.000
62.18	0.000	63.24	0.000	64.30	0.000
62.20	0.000	63.26	0.000	64.32	0.000
62.22	0.000	63.28	0.000	64.34	0.000
62.24	0.000	63.30	0.000	64.36	0.000
62.26	0.000	63.32	0.000	64.38	0.000
62.28	0.000	63.34	0.000	64.40	0.000
62.30	0.000	63.36	0.000	64.42	0.000
62.32	0.000	63.38	0.000	64.44	0.000
62.34	0.000	63.40	0.000	64.46	0.000
62.36	0.000	63.42	0.000	64.48	0.000
62.38	0.000	63.44	0.000	64.50	0.000
62.40	0.000	63.46	0.000	64.52	0.000
62.42	0.000	63.48	0.000	64.54	0.000
62.44	0.000	63.50	0.000	64.56	0.000
62.46	0.000	63.52	0.000	64.58	0.000
62.48	0.000	63.54	0.000	64.60	0.000
62.50	0.000	63.56	0.000	64.62	0.000
62.52	0.000	63.58	0.000	64.64	0.000
62.54	0.000	63.60	0.000	64.66	0.000
62.56	0.000	63.62	0.000	64.68	0.000
62.58	0.000	63.64	0.000	64.70	0.000
62.60	0.000	63.66	0.000	64.72	0.000
62.62	0.000	63.68	0.000	64.74	0.000
62.64	0.000	63.70	0.000	64.76	0.000
62.66	0.000	63.72	0.000	64.78	0.000
62.68	0.000	63.74	0.000		
62.70	0.000	63.76	0.000		
62.72	0.000	63.78	0.000		
62.74	0.000	63.80	0.000		
62.76	0.000	63.82	0.000		
62.78	0.000	63.84	0.000		
62.80	0.000	63.86	0.000		
62.82	0.000	63.88	0.000		
62.84	0.000	63.90	0.000		
62.86	0.000	63.92	0.000		
62.88	0.000	63.94	0.000		
62.90	0.000	63.96	0.000		
62.92	0.000	63.98	0.000		
62.94	0.000	64.00	0.000		

Summary for Pond 21P: DMH 42

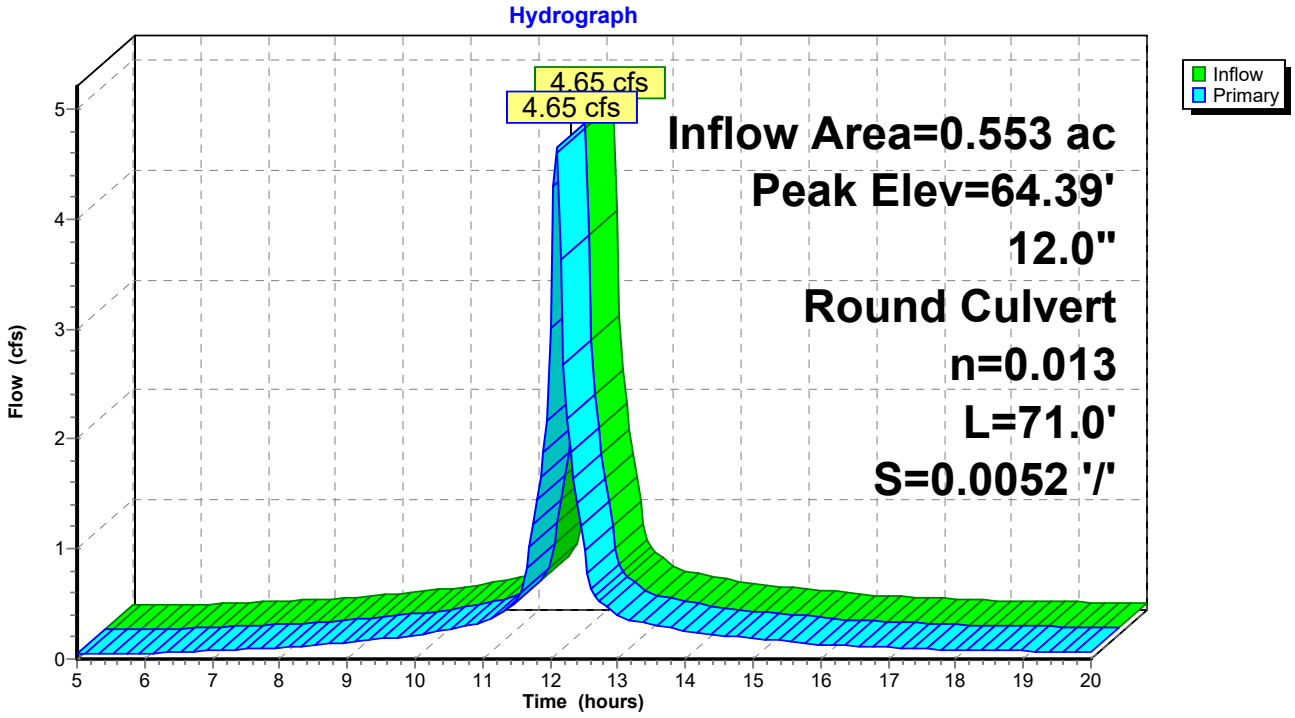
Inflow Area = 0.553 ac, 81.18% Impervious, Inflow Depth > 7.64" for 100-Year event
Inflow = 4.65 cfs @ 12.09 hrs, Volume= 0.352 af
Outflow = 4.65 cfs @ 12.09 hrs, Volume= 0.352 af, Atten= 0%, Lag= 0.0 min
Primary = 4.65 cfs @ 12.09 hrs, Volume= 0.352 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.39' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.47'	**12.0" Round Culvert** L= 71.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.47' / 61.10' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.53 cfs @ 12.09 hrs HW=64.27' (Free Discharge)
1=Culvert (Inlet Controls 4.53 cfs @ 5.77 fps)

Pond 21P: DMH 42



Stage-Area-Storage for Pond 21P: DMH 42

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.47	**0.000**	62.53	0.000	63.59	0.000
61.49	0.000	62.55	0.000	63.61	0.000
61.51	0.000	62.57	0.000	63.63	0.000
61.53	0.000	62.59	0.000	63.65	0.000
61.55	0.000	62.61	0.000	63.67	0.000
61.57	0.000	62.63	0.000	63.69	0.000
61.59	0.000	62.65	0.000	63.71	0.000
61.61	0.000	62.67	0.000	63.73	0.000
61.63	0.000	62.69	0.000	63.75	0.000
61.65	0.000	62.71	0.000	63.77	0.000
61.67	0.000	62.73	0.000	63.79	0.000
61.69	0.000	62.75	0.000	63.81	0.000
61.71	0.000	62.77	0.000	63.83	0.000
61.73	0.000	62.79	0.000	63.85	0.000
61.75	0.000	62.81	0.000	63.87	0.000
61.77	0.000	62.83	0.000	63.89	0.000
61.79	0.000	62.85	0.000	63.91	0.000
61.81	0.000	62.87	0.000	63.93	0.000
61.83	0.000	62.89	0.000	63.95	0.000
61.85	0.000	62.91	0.000	63.97	0.000
61.87	0.000	62.93	0.000	63.99	0.000
61.89	0.000	62.95	0.000	64.01	0.000
61.91	0.000	62.97	0.000	64.03	0.000
61.93	0.000	62.99	0.000	64.05	0.000
61.95	0.000	63.01	0.000	64.07	0.000
61.97	0.000	63.03	0.000	64.09	0.000
61.99	0.000	63.05	0.000	64.11	0.000
62.01	0.000	63.07	0.000	64.13	0.000
62.03	0.000	63.09	0.000	64.15	0.000
62.05	0.000	63.11	0.000	64.17	0.000
62.07	0.000	63.13	0.000	64.19	0.000
62.09	0.000	63.15	0.000	64.21	0.000
62.11	0.000	63.17	0.000	64.23	0.000
62.13	0.000	63.19	0.000	64.25	0.000
62.15	0.000	63.21	0.000	64.27	0.000
62.17	0.000	63.23	0.000	64.29	0.000
62.19	0.000	63.25	0.000	64.31	0.000
62.21	0.000	63.27	0.000	64.33	0.000
62.23	0.000	63.29	0.000	64.35	0.000
62.25	0.000	63.31	0.000		
62.27	0.000	63.33	0.000		
62.29	0.000	63.35	0.000		
62.31	0.000	63.37	0.000		
62.33	0.000	63.39	0.000		
62.35	0.000	63.41	0.000		
62.37	0.000	63.43	0.000		
62.39	0.000	63.45	0.000		
62.41	0.000	63.47	0.000		
62.43	0.000	63.49	0.000		
62.45	0.000	63.51	0.000		
62.47	0.000	63.53	0.000		
62.49	0.000	63.55	0.000		
62.51	0.000	63.57	0.000		

Summary for Pond 22P: CB 56

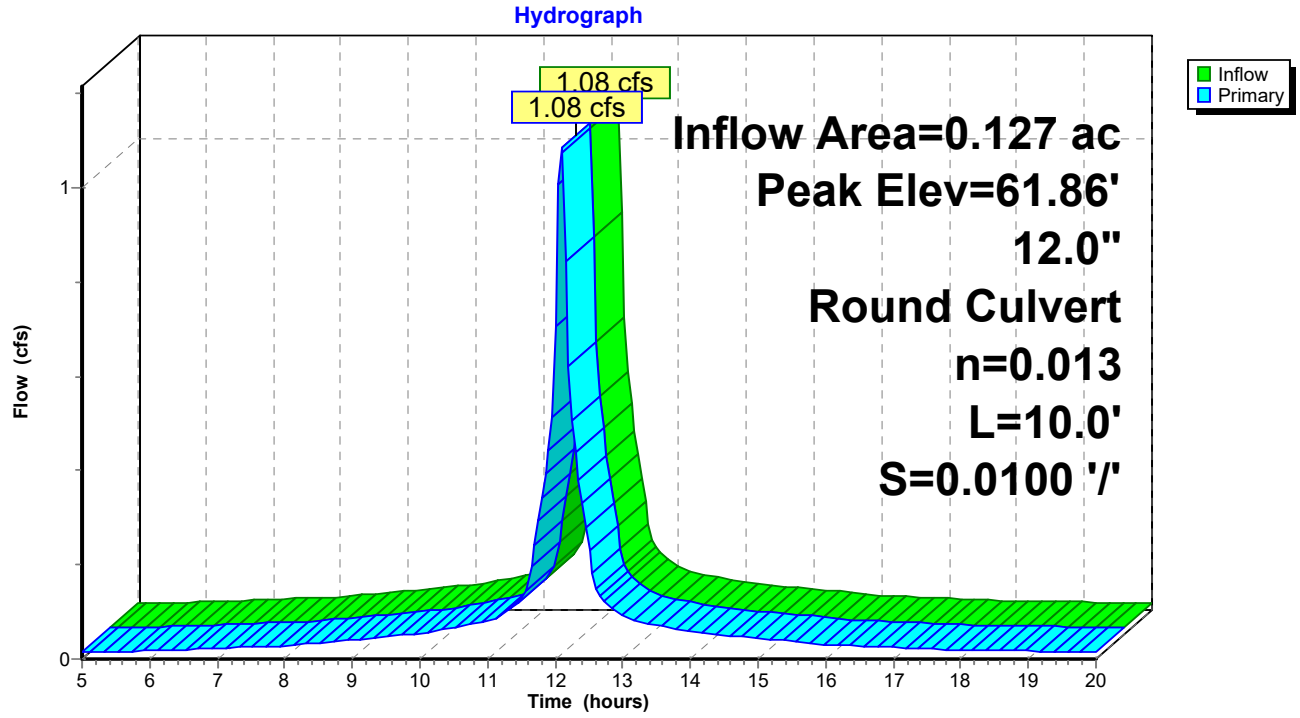
Inflow Area = 0.127 ac,100.00% Impervious, Inflow Depth > 8.00" for 100-Year event
Inflow = 1.08 cfs @ 12.09 hrs, Volume= 0.084 af
Outflow = 1.08 cfs @ 12.09 hrs, Volume= 0.084 af, Atten= 0%, Lag= 0.0 min
Primary = 1.08 cfs @ 12.09 hrs, Volume= 0.084 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.86' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.20'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.20' / 61.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.06 cfs @ 12.09 hrs HW=61.85' (Free Discharge)
1=Culvert (Barrel Controls 1.06 cfs @ 2.76 fps)

Pond 22P: CB 56



Stage-Area-Storage for Pond 22P: CB 56

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.20	**0.000**	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000		
61.69	0.000		
61.70	0.000		
61.71	0.000		
61.72	0.000		

Summary for Pond 23P: CB 57

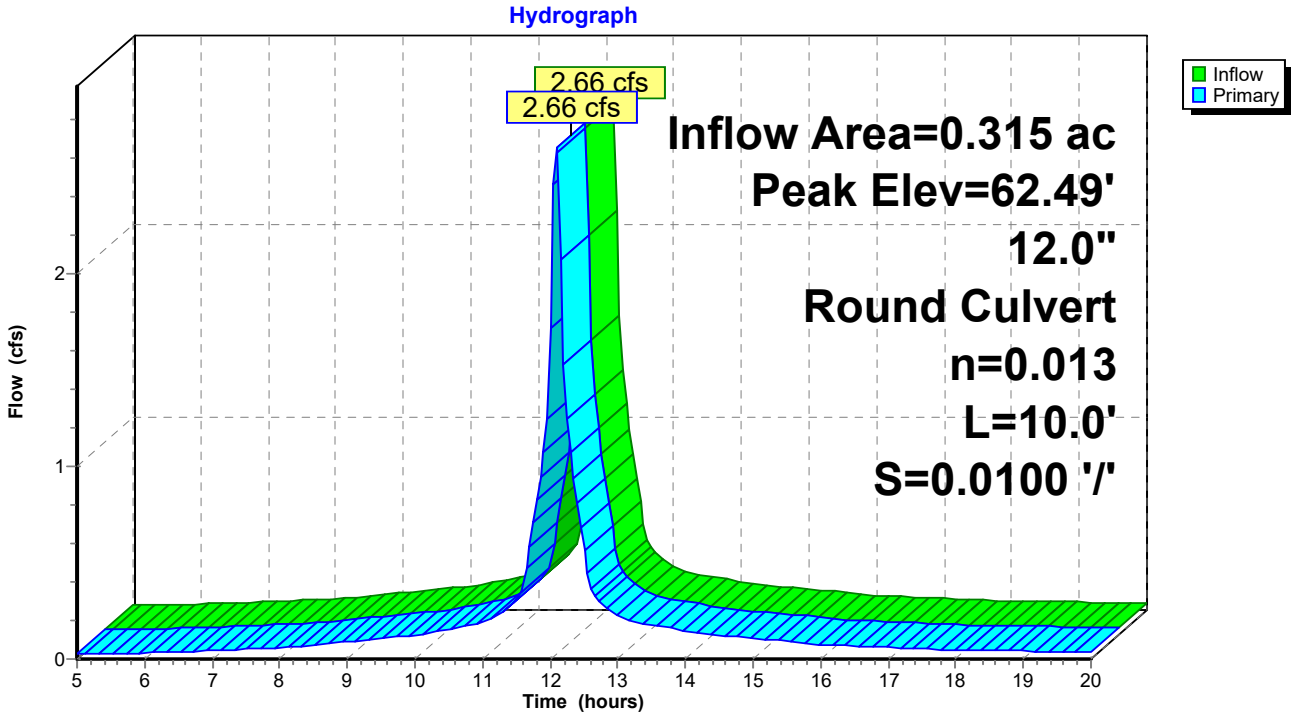
Inflow Area = 0.315 ac, 81.38% Impervious, Inflow Depth > 7.69" for 100-Year event
Inflow = 2.66 cfs @ 12.09 hrs, Volume= 0.202 af
Outflow = 2.66 cfs @ 12.09 hrs, Volume= 0.202 af, Atten= 0%, Lag= 0.0 min
Primary = 2.66 cfs @ 12.09 hrs, Volume= 0.202 af
Routed to Pond 24P : DMH 41

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.49' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.20'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.20' / 61.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.59 cfs @ 12.09 hrs HW=62.45' (Free Discharge)
1=Culvert (Inlet Controls 2.59 cfs @ 3.30 fps)

Pond 23P: CB 57



Stage-Area-Storage for Pond 23P: CB 57

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.20	**0.000**	61.73	0.000	62.26	0.000
61.21	0.000	61.74	0.000	62.27	0.000
61.22	0.000	61.75	0.000	62.28	0.000
61.23	0.000	61.76	0.000	62.29	0.000
61.24	0.000	61.77	0.000	62.30	0.000
61.25	0.000	61.78	0.000	62.31	0.000
61.26	0.000	61.79	0.000	62.32	0.000
61.27	0.000	61.80	0.000	62.33	0.000
61.28	0.000	61.81	0.000	62.34	0.000
61.29	0.000	61.82	0.000	62.35	0.000
61.30	0.000	61.83	0.000	62.36	0.000
61.31	0.000	61.84	0.000	62.37	0.000
61.32	0.000	61.85	0.000	62.38	0.000
61.33	0.000	61.86	0.000	62.39	0.000
61.34	0.000	61.87	0.000	62.40	0.000
61.35	0.000	61.88	0.000	62.41	0.000
61.36	0.000	61.89	0.000	62.42	0.000
61.37	0.000	61.90	0.000	62.43	0.000
61.38	0.000	61.91	0.000	62.44	0.000
61.39	0.000	61.92	0.000	62.45	0.000
61.40	0.000	61.93	0.000	62.46	0.000
61.41	0.000	61.94	0.000	62.47	0.000
61.42	0.000	61.95	0.000	62.48	0.000
61.43	0.000	61.96	0.000		
61.44	0.000	61.97	0.000		
61.45	0.000	61.98	0.000		
61.46	0.000	61.99	0.000		
61.47	0.000	62.00	0.000		
61.48	0.000	62.01	0.000		
61.49	0.000	62.02	0.000		
61.50	0.000	62.03	0.000		
61.51	0.000	62.04	0.000		
61.52	0.000	62.05	0.000		
61.53	0.000	62.06	0.000		
61.54	0.000	62.07	0.000		
61.55	0.000	62.08	0.000		
61.56	0.000	62.09	0.000		
61.57	0.000	62.10	0.000		
61.58	0.000	62.11	0.000		
61.59	0.000	62.12	0.000		
61.60	0.000	62.13	0.000		
61.61	0.000	62.14	0.000		
61.62	0.000	62.15	0.000		
61.63	0.000	62.16	0.000		
61.64	0.000	62.17	0.000		
61.65	0.000	62.18	0.000		
61.66	0.000	62.19	0.000		
61.67	0.000	62.20	0.000		
61.68	0.000	62.21	0.000		
61.69	0.000	62.22	0.000		
61.70	0.000	62.23	0.000		
61.71	0.000	62.24	0.000		
61.72	0.000	62.25	0.000		

Summary for Pond 24P: DMH 41

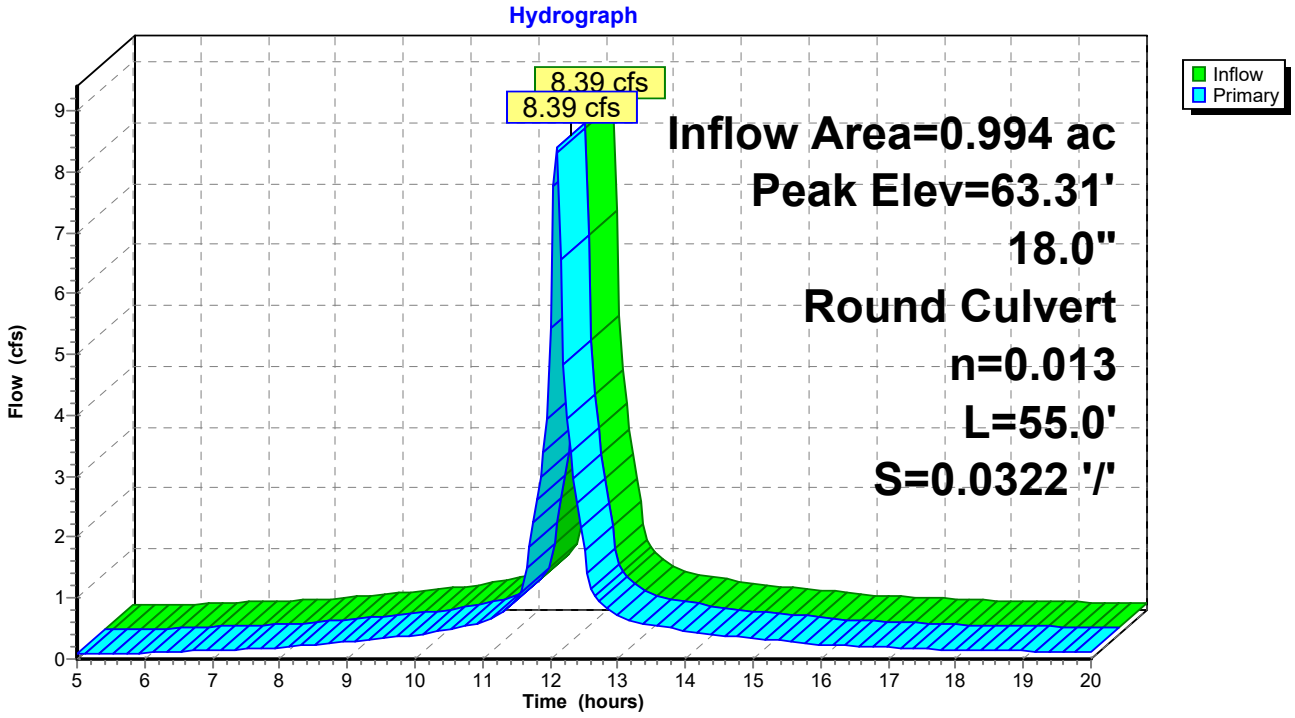
Inflow Area = 0.994 ac, 83.63% Impervious, Inflow Depth > 7.70" for 100-Year event
Inflow = 8.39 cfs @ 12.09 hrs, Volume= 0.638 af
Outflow = 8.39 cfs @ 12.09 hrs, Volume= 0.638 af, Atten= 0%, Lag= 0.0 min
Primary = 8.39 cfs @ 12.09 hrs, Volume= 0.638 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.31' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**18.0" Round Culvert** L= 55.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 59.23' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=8.17 cfs @ 12.09 hrs HW=63.23' (Free Discharge)
1=Culvert (Inlet Controls 8.17 cfs @ 4.63 fps)

Pond 24P: DMH 41



Stage-Area-Storage for Pond 24P: DMH 41

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	62.06	0.000	63.12	0.000
61.02	0.000	62.08	0.000	63.14	0.000
61.04	0.000	62.10	0.000	63.16	0.000
61.06	0.000	62.12	0.000	63.18	0.000
61.08	0.000	62.14	0.000	63.20	0.000
61.10	0.000	62.16	0.000	63.22	0.000
61.12	0.000	62.18	0.000	63.24	0.000
61.14	0.000	62.20	0.000	63.26	0.000
61.16	0.000	62.22	0.000	63.28	0.000
61.18	0.000	62.24	0.000	63.30	0.000
61.20	0.000	62.26	0.000		
61.22	0.000	62.28	0.000		
61.24	0.000	62.30	0.000		
61.26	0.000	62.32	0.000		
61.28	0.000	62.34	0.000		
61.30	0.000	62.36	0.000		
61.32	0.000	62.38	0.000		
61.34	0.000	62.40	0.000		
61.36	0.000	62.42	0.000		
61.38	0.000	62.44	0.000		
61.40	0.000	62.46	0.000		
61.42	0.000	62.48	0.000		
61.44	0.000	62.50	0.000		
61.46	0.000	62.52	0.000		
61.48	0.000	62.54	0.000		
61.50	0.000	62.56	0.000		
61.52	0.000	62.58	0.000		
61.54	0.000	62.60	0.000		
61.56	0.000	62.62	0.000		
61.58	0.000	62.64	0.000		
61.60	0.000	62.66	0.000		
61.62	0.000	62.68	0.000		
61.64	0.000	62.70	0.000		
61.66	0.000	62.72	0.000		
61.68	0.000	62.74	0.000		
61.70	0.000	62.76	0.000		
61.72	0.000	62.78	0.000		
61.74	0.000	62.80	0.000		
61.76	0.000	62.82	0.000		
61.78	0.000	62.84	0.000		
61.80	0.000	62.86	0.000		
61.82	0.000	62.88	0.000		
61.84	0.000	62.90	0.000		
61.86	0.000	62.92	0.000		
61.88	0.000	62.94	0.000		
61.90	0.000	62.96	0.000		
61.92	0.000	62.98	0.000		
61.94	0.000	63.00	0.000		
61.96	0.000	63.02	0.000		
61.98	0.000	63.04	0.000		
62.00	0.000	63.06	0.000		
62.02	0.000	63.08	0.000		
62.04	0.000	63.10	0.000		

Summary for Pond 25P: DMH 45

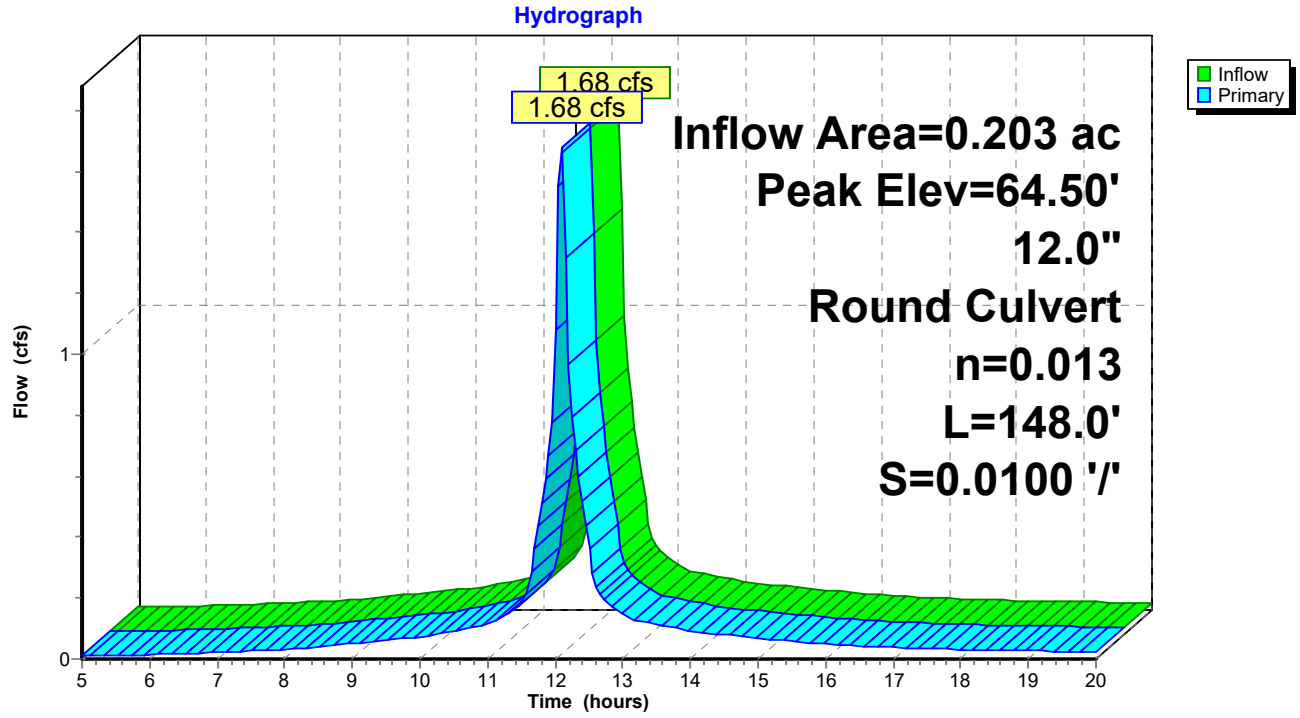
Inflow Area = 0.203 ac, 69.67% Impervious, Inflow Depth > 7.34" for 100-Year event
Inflow = 1.68 cfs @ 12.09 hrs, Volume= 0.124 af
Outflow = 1.68 cfs @ 12.09 hrs, Volume= 0.124 af, Atten= 0%, Lag= 0.0 min
Primary = 1.68 cfs @ 12.09 hrs, Volume= 0.124 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.50' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	63.68'	**12.0" Round Culvert** L= 148.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 63.68' / 62.20' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.63 cfs @ 12.09 hrs HW=64.48' (Free Discharge)
1=Culvert (Inlet Controls 1.63 cfs @ 2.41 fps)

Pond 25P: DMH 45



Stage-Area-Storage for Pond 25P: DMH 45

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
63.68	**0.000**	64.21	0.000
63.69	0.000	64.22	0.000
63.70	0.000	64.23	0.000
63.71	0.000	64.24	0.000
63.72	0.000	64.25	0.000
63.73	0.000	64.26	0.000
63.74	0.000	64.27	0.000
63.75	0.000	64.28	0.000
63.76	0.000	64.29	0.000
63.77	0.000	64.30	0.000
63.78	0.000	64.31	0.000
63.79	0.000	64.32	0.000
63.80	0.000	64.33	0.000
63.81	0.000	64.34	0.000
63.82	0.000	64.35	0.000
63.83	0.000	64.36	0.000
63.84	0.000	64.37	0.000
63.85	0.000	64.38	0.000
63.86	0.000	64.39	0.000
63.87	0.000	64.40	0.000
63.88	0.000	64.41	0.000
63.89	0.000	64.42	0.000
63.90	0.000	64.43	0.000
63.91	0.000	64.44	0.000
63.92	0.000	64.45	0.000
63.93	0.000	64.46	0.000
63.94	0.000	64.47	0.000
63.95	0.000	64.48	0.000
63.96	0.000	64.49	0.000
63.97	0.000	64.50	0.000
63.98	0.000	64.51	0.000
63.99	0.000	64.52	0.000
64.00	0.000	64.53	0.000
64.01	0.000	64.54	0.000
64.02	0.000	64.55	0.000
64.03	0.000	64.56	0.000
64.04	0.000	64.57	0.000
64.05	0.000	64.58	0.000
64.06	0.000	64.59	0.000
64.07	0.000	64.60	0.000
64.08	0.000	64.61	0.000
64.09	0.000	64.62	0.000
64.10	0.000	64.63	0.000
64.11	0.000	64.64	0.000
64.12	0.000	64.65	0.000
64.13	0.000	64.66	0.000
64.14	0.000	64.67	0.000
64.15	0.000	64.68	0.000
64.16	0.000		
64.17	0.000		
64.18	0.000		
64.19	0.000		
64.20	0.000		

Summary for Pond 26P: CB 61

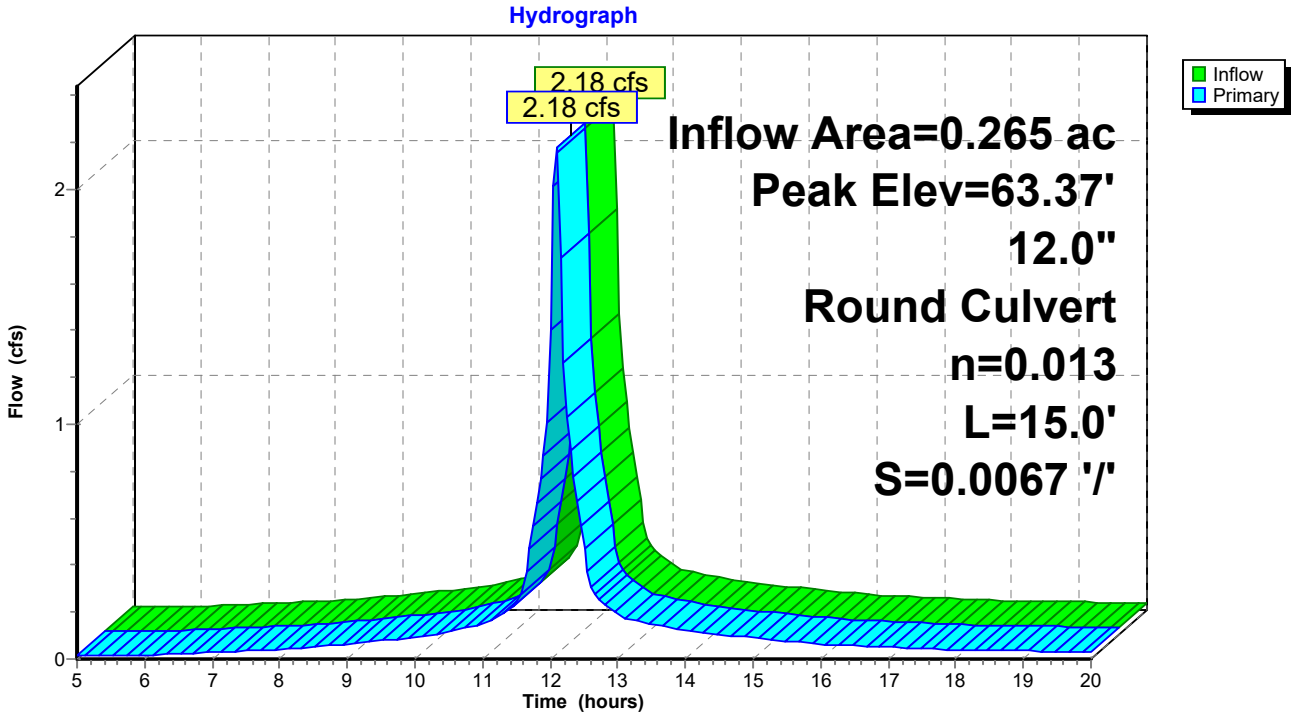
Inflow Area = 0.265 ac, 66.20% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 2.18 cfs @ 12.09 hrs, Volume= 0.161 af
Outflow = 2.18 cfs @ 12.09 hrs, Volume= 0.161 af, Atten= 0%, Lag= 0.0 min
Primary = 2.18 cfs @ 12.09 hrs, Volume= 0.161 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.37' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.30'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.30' / 62.20' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.12 cfs @ 12.09 hrs HW=63.35' (Free Discharge)
1=Culvert (Barrel Controls 2.12 cfs @ 3.21 fps)

Pond 26P: CB 61



Stage-Area-Storage for Pond 26P: CB 61

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.30	**0.000**	62.83	0.000	63.36	0.000
62.31	0.000	62.84	0.000		
62.32	0.000	62.85	0.000		
62.33	0.000	62.86	0.000		
62.34	0.000	62.87	0.000		
62.35	0.000	62.88	0.000		
62.36	0.000	62.89	0.000		
62.37	0.000	62.90	0.000		
62.38	0.000	62.91	0.000		
62.39	0.000	62.92	0.000		
62.40	0.000	62.93	0.000		
62.41	0.000	62.94	0.000		
62.42	0.000	62.95	0.000		
62.43	0.000	62.96	0.000		
62.44	0.000	62.97	0.000		
62.45	0.000	62.98	0.000		
62.46	0.000	62.99	0.000		
62.47	0.000	63.00	0.000		
62.48	0.000	63.01	0.000		
62.49	0.000	63.02	0.000		
62.50	0.000	63.03	0.000		
62.51	0.000	63.04	0.000		
62.52	0.000	63.05	0.000		
62.53	0.000	63.06	0.000		
62.54	0.000	63.07	0.000		
62.55	0.000	63.08	0.000		
62.56	0.000	63.09	0.000		
62.57	0.000	63.10	0.000		
62.58	0.000	63.11	0.000		
62.59	0.000	63.12	0.000		
62.60	0.000	63.13	0.000		
62.61	0.000	63.14	0.000		
62.62	0.000	63.15	0.000		
62.63	0.000	63.16	0.000		
62.64	0.000	63.17	0.000		
62.65	0.000	63.18	0.000		
62.66	0.000	63.19	0.000		
62.67	0.000	63.20	0.000		
62.68	0.000	63.21	0.000		
62.69	0.000	63.22	0.000		
62.70	0.000	63.23	0.000		
62.71	0.000	63.24	0.000		
62.72	0.000	63.25	0.000		
62.73	0.000	63.26	0.000		
62.74	0.000	63.27	0.000		
62.75	0.000	63.28	0.000		
62.76	0.000	63.29	0.000		
62.77	0.000	63.30	0.000		
62.78	0.000	63.31	0.000		
62.79	0.000	63.32	0.000		
62.80	0.000	63.33	0.000		
62.81	0.000	63.34	0.000		
62.82	0.000	63.35	0.000		

Summary for Pond 27P: CB 60

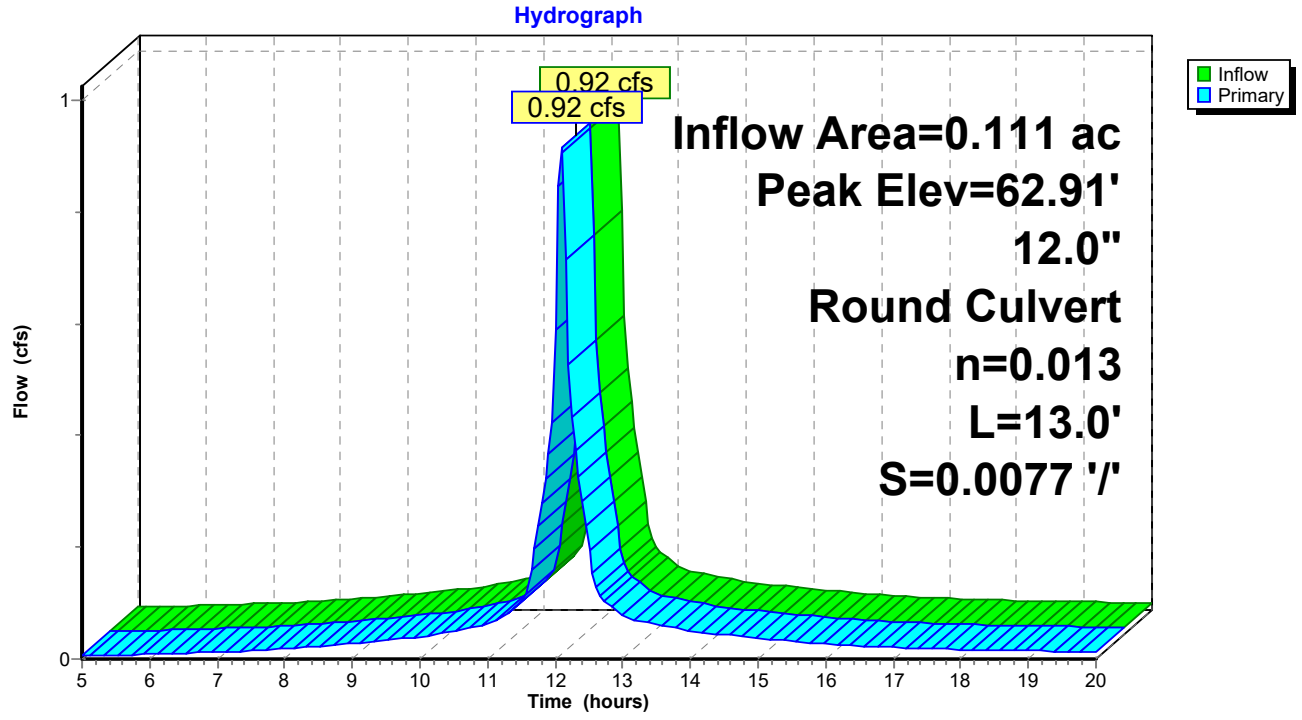
Inflow Area = 0.111 ac, 71.39% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 0.92 cfs @ 12.09 hrs, Volume= 0.068 af
Outflow = 0.92 cfs @ 12.09 hrs, Volume= 0.068 af, Atten= 0%, Lag= 0.0 min
Primary = 0.92 cfs @ 12.09 hrs, Volume= 0.068 af
Routed to Pond 28P : DMH 44

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.91' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.30'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.30' / 62.20' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.89 cfs @ 12.09 hrs HW=62.90' (Free Discharge)
1=Culvert (Barrel Controls 0.89 cfs @ 2.61 fps)

Pond 27P: CB 60



Stage-Area-Storage for Pond 27P: CB 60

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.30	**0.000**	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000	63.01	0.000
62.49	0.000	63.02	0.000
62.50	0.000	63.03	0.000
62.51	0.000	63.04	0.000
62.52	0.000	63.05	0.000
62.53	0.000	63.06	0.000
62.54	0.000	63.07	0.000
62.55	0.000	63.08	0.000
62.56	0.000	63.09	0.000
62.57	0.000	63.10	0.000
62.58	0.000	63.11	0.000
62.59	0.000	63.12	0.000
62.60	0.000	63.13	0.000
62.61	0.000	63.14	0.000
62.62	0.000	63.15	0.000
62.63	0.000	63.16	0.000
62.64	0.000	63.17	0.000
62.65	0.000	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000		
62.79	0.000		
62.80	0.000		
62.81	0.000		
62.82	0.000		

Summary for Pond 28P: DMH 44

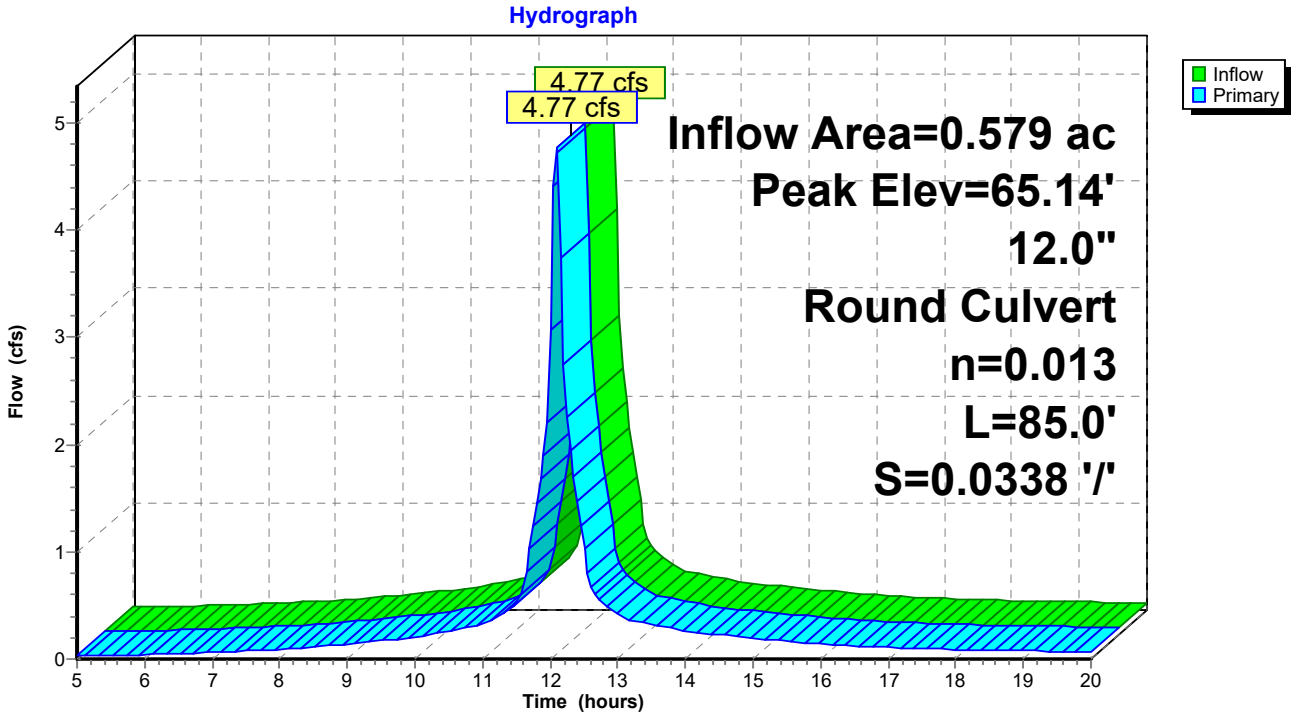
Inflow Area = 0.579 ac, 68.41% Impervious, Inflow Depth > 7.33" for 100-Year event
Inflow = 4.77 cfs @ 12.09 hrs, Volume= 0.354 af
Outflow = 4.77 cfs @ 12.09 hrs, Volume= 0.354 af, Atten= 0%, Lag= 0.0 min
Primary = 4.77 cfs @ 12.09 hrs, Volume= 0.354 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 65.14' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.10'	**12.0" Round Culvert** L= 85.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.10' / 59.23' S= 0.0338 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.65 cfs @ 12.09 hrs HW=65.02' (Free Discharge)
1=Culvert (Inlet Controls 4.65 cfs @ 5.91 fps)

Pond 28P: DMH 44



Stage-Area-Storage for Pond 28P: DMH 44

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.10	**0.000**	63.16	0.000	64.22	0.000
62.12	0.000	63.18	0.000	64.24	0.000
62.14	0.000	63.20	0.000	64.26	0.000
62.16	0.000	63.22	0.000	64.28	0.000
62.18	0.000	63.24	0.000	64.30	0.000
62.20	0.000	63.26	0.000	64.32	0.000
62.22	0.000	63.28	0.000	64.34	0.000
62.24	0.000	63.30	0.000	64.36	0.000
62.26	0.000	63.32	0.000	64.38	0.000
62.28	0.000	63.34	0.000	64.40	0.000
62.30	0.000	63.36	0.000	64.42	0.000
62.32	0.000	63.38	0.000	64.44	0.000
62.34	0.000	63.40	0.000	64.46	0.000
62.36	0.000	63.42	0.000	64.48	0.000
62.38	0.000	63.44	0.000	64.50	0.000
62.40	0.000	63.46	0.000	64.52	0.000
62.42	0.000	63.48	0.000	64.54	0.000
62.44	0.000	63.50	0.000	64.56	0.000
62.46	0.000	63.52	0.000	64.58	0.000
62.48	0.000	63.54	0.000	64.60	0.000
62.50	0.000	63.56	0.000	64.62	0.000
62.52	0.000	63.58	0.000	64.64	0.000
62.54	0.000	63.60	0.000	64.66	0.000
62.56	0.000	63.62	0.000	64.68	0.000
62.58	0.000	63.64	0.000	64.70	0.000
62.60	0.000	63.66	0.000	64.72	0.000
62.62	0.000	63.68	0.000	64.74	0.000
62.64	0.000	63.70	0.000	64.76	0.000
62.66	0.000	63.72	0.000	64.78	0.000
62.68	0.000	63.74	0.000	64.80	0.000
62.70	0.000	63.76	0.000	64.82	0.000
62.72	0.000	63.78	0.000	64.84	0.000
62.74	0.000	63.80	0.000	64.86	0.000
62.76	0.000	63.82	0.000	64.88	0.000
62.78	0.000	63.84	0.000	64.90	0.000
62.80	0.000	63.86	0.000	64.92	0.000
62.82	0.000	63.88	0.000	64.94	0.000
62.84	0.000	63.90	0.000	64.96	0.000
62.86	0.000	63.92	0.000	64.98	0.000
62.88	0.000	63.94	0.000	65.00	0.000
62.90	0.000	63.96	0.000	65.02	0.000
62.92	0.000	63.98	0.000	65.04	0.000
62.94	0.000	64.00	0.000	65.06	0.000
62.96	0.000	64.02	0.000	65.08	0.000
62.98	0.000	64.04	0.000	65.10	0.000
63.00	0.000	64.06	0.000	65.12	0.000
63.02	0.000	64.08	0.000		
63.04	0.000	64.10	0.000		
63.06	0.000	64.12	0.000		
63.08	0.000	64.14	0.000		
63.10	0.000	64.16	0.000		
63.12	0.000	64.18	0.000		
63.14	0.000	64.20	0.000		

Summary for Pond 29P: DMH 40

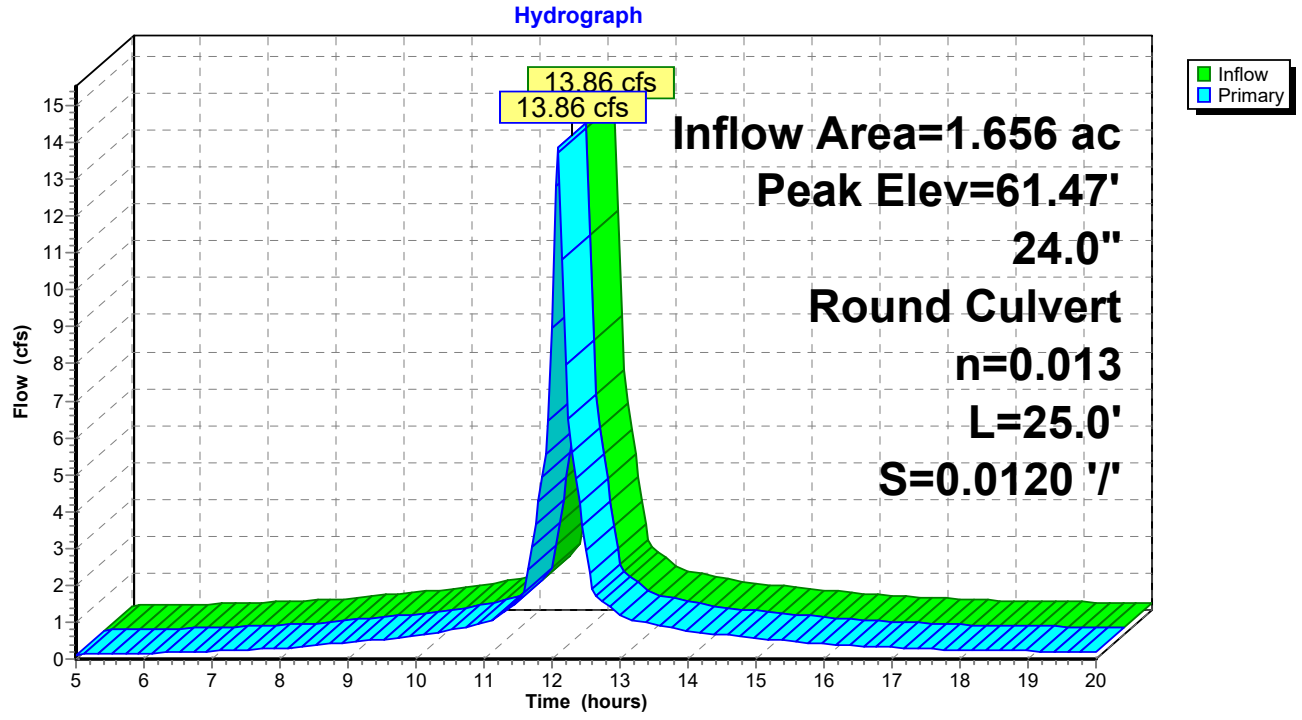
Inflow Area = 1.656 ac, 78.05% Impervious, Inflow Depth > 7.57" for 100-Year event
Inflow = 13.86 cfs @ 12.09 hrs, Volume= 1.044 af
Outflow = 13.86 cfs @ 12.09 hrs, Volume= 1.044 af, Atten= 0%, Lag= 0.0 min
Primary = 13.86 cfs @ 12.09 hrs, Volume= 1.044 af
Routed to Pond 38P : DMH 39

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.47' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.13'	**24.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.13' / 58.83' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.50 cfs @ 12.09 hrs HW=61.41' (Free Discharge)
1=Culvert (Inlet Controls 13.50 cfs @ 4.30 fps)

Pond 29P: DMH 40



Stage-Area-Storage for Pond 29P: DMH 40

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.13	**0.000**	60.19	0.000	61.25	0.000
59.15	0.000	60.21	0.000	61.27	0.000
59.17	0.000	60.23	0.000	61.29	0.000
59.19	0.000	60.25	0.000	61.31	0.000
59.21	0.000	60.27	0.000	61.33	0.000
59.23	0.000	60.29	0.000	61.35	0.000
59.25	0.000	60.31	0.000	61.37	0.000
59.27	0.000	60.33	0.000	61.39	0.000
59.29	0.000	60.35	0.000	61.41	0.000
59.31	0.000	60.37	0.000	61.43	0.000
59.33	0.000	60.39	0.000	61.45	0.000
59.35	0.000	60.41	0.000	61.47	0.000
59.37	0.000	60.43	0.000		
59.39	0.000	60.45	0.000		
59.41	0.000	60.47	0.000		
59.43	0.000	60.49	0.000		
59.45	0.000	60.51	0.000		
59.47	0.000	60.53	0.000		
59.49	0.000	60.55	0.000		
59.51	0.000	60.57	0.000		
59.53	0.000	60.59	0.000		
59.55	0.000	60.61	0.000		
59.57	0.000	60.63	0.000		
59.59	0.000	60.65	0.000		
59.61	0.000	60.67	0.000		
59.63	0.000	60.69	0.000		
59.65	0.000	60.71	0.000		
59.67	0.000	60.73	0.000		
59.69	0.000	60.75	0.000		
59.71	0.000	60.77	0.000		
59.73	0.000	60.79	0.000		
59.75	0.000	60.81	0.000		
59.77	0.000	60.83	0.000		
59.79	0.000	60.85	0.000		
59.81	0.000	60.87	0.000		
59.83	0.000	60.89	0.000		
59.85	0.000	60.91	0.000		
59.87	0.000	60.93	0.000		
59.89	0.000	60.95	0.000		
59.91	0.000	60.97	0.000		
59.93	0.000	60.99	0.000		
59.95	0.000	61.01	0.000		
59.97	0.000	61.03	0.000		
59.99	0.000	61.05	0.000		
60.01	0.000	61.07	0.000		
60.03	0.000	61.09	0.000		
60.05	0.000	61.11	0.000		
60.07	0.000	61.13	0.000		
60.09	0.000	61.15	0.000		
60.11	0.000	61.17	0.000		
60.13	0.000	61.19	0.000		
60.15	0.000	61.21	0.000		
60.17	0.000	61.23	0.000		

Summary for Pond 30P: CB 55

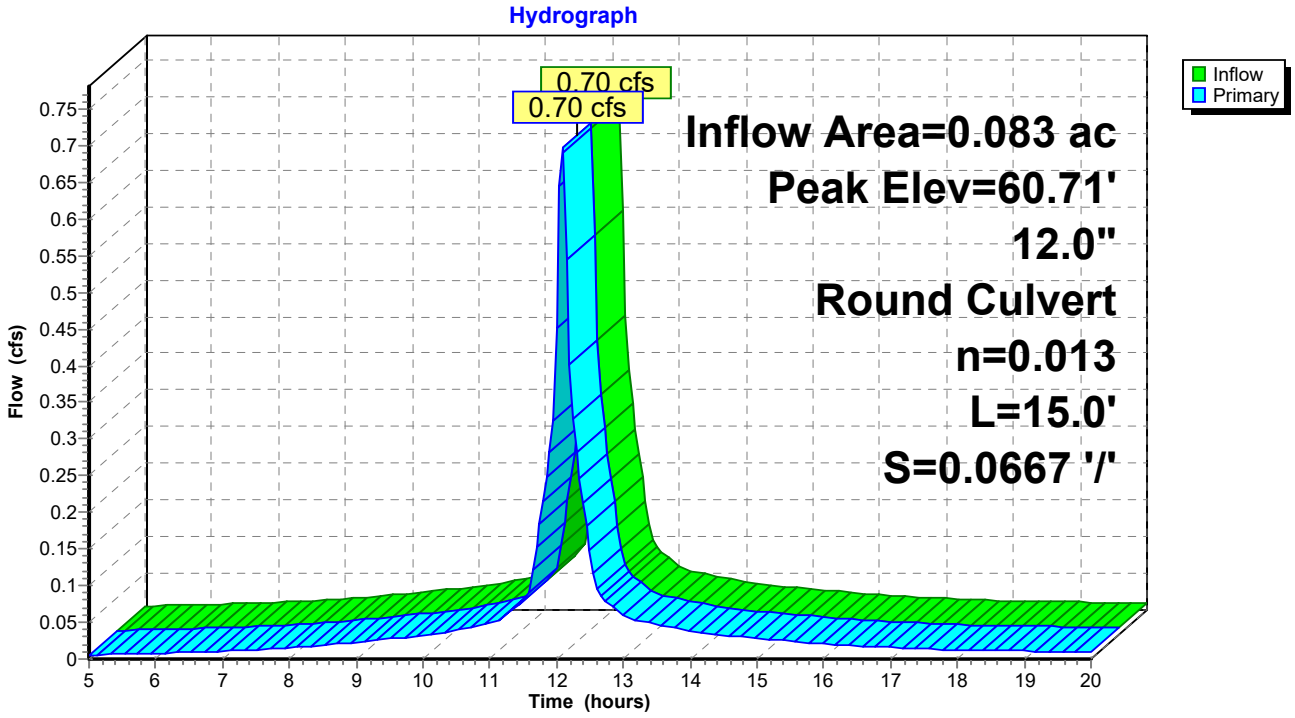
Inflow Area = 0.083 ac, 78.43% Impervious, Inflow Depth > 7.60" for 100-Year event
Inflow = 0.70 cfs @ 12.09 hrs, Volume= 0.053 af
Outflow = 0.70 cfs @ 12.09 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.70 cfs @ 12.09 hrs, Volume= 0.053 af
Routed to Pond 29P : DMH 40

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.71' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.23'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.23' / 59.23' S= 0.0667 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.09 hrs HW=60.70' (Free Discharge)
1=Culvert (Inlet Controls 0.68 cfs @ 1.85 fps)

Pond 30P: CB 55



Stage-Area-Storage for Pond 30P: CB 55

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.23	**0.000**	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000		
60.72	0.000		
60.73	0.000		
60.74	0.000		
60.75	0.000		

Summary for Pond 31P: CB 51

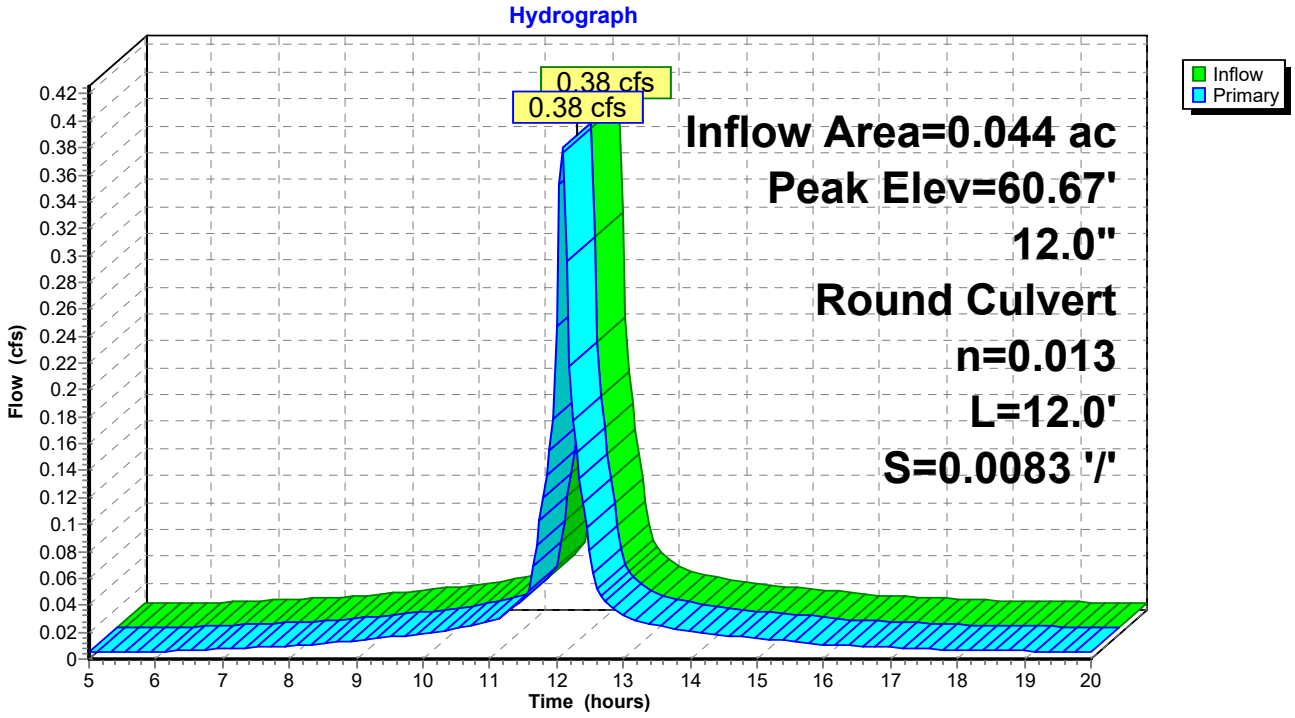
Inflow Area = 0.044 ac, 96.85% Impervious, Inflow Depth > 7.94" for 100-Year event
Inflow = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af
Outflow = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.38 cfs @ 12.09 hrs, Volume= 0.029 af
Routed to Pond 34P : DMH 36

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.67' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.30'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.30' / 60.20' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.09 hrs HW=60.66' (Free Discharge)
1=Culvert (Barrel Controls 0.37 cfs @ 2.17 fps)

Pond 31P: CB 51



Stage-Area-Storage for Pond 31P: CB 51

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.30	**0.000**	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000		
60.79	0.000		
60.80	0.000		
60.81	0.000		
60.82	0.000		

Summary for Pond 32P: CB 52

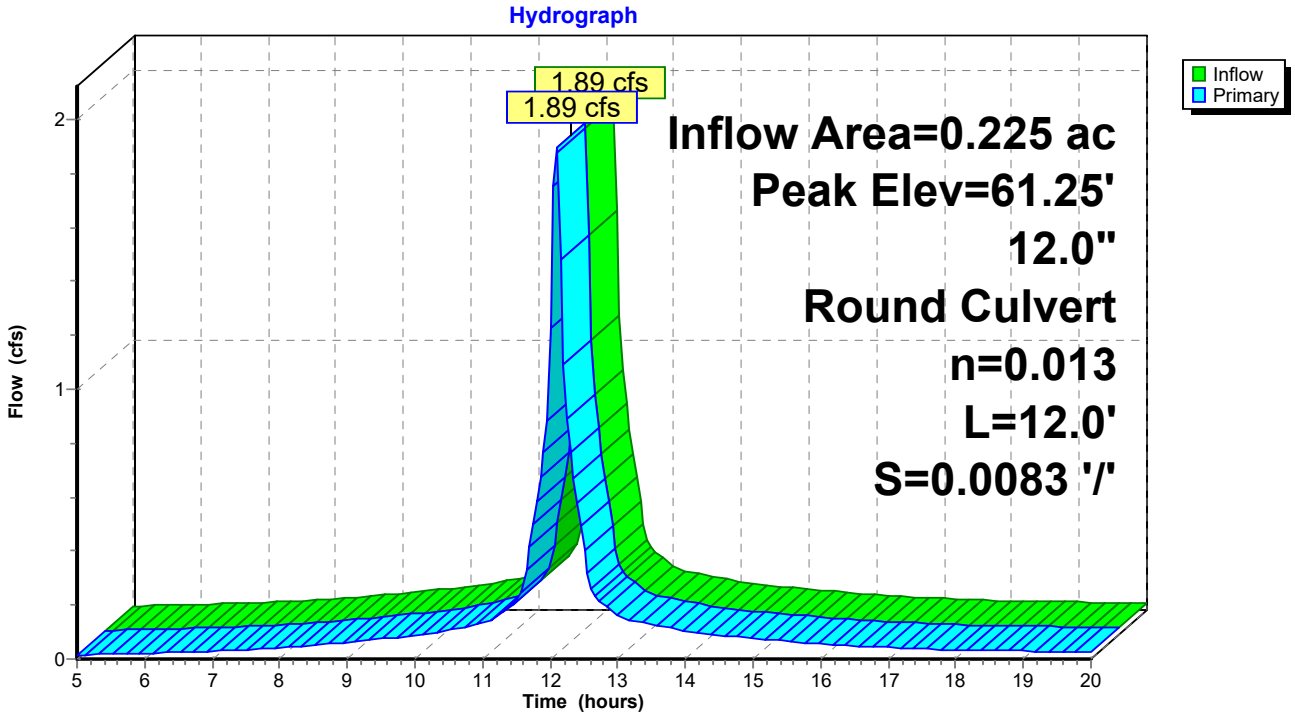
Inflow Area = 0.225 ac, 78.85% Impervious, Inflow Depth > 7.60" for 100-Year event
Inflow = 1.89 cfs @ 12.09 hrs, Volume= 0.143 af
Outflow = 1.89 cfs @ 12.09 hrs, Volume= 0.143 af, Atten= 0%, Lag= 0.0 min
Primary = 1.89 cfs @ 12.09 hrs, Volume= 0.143 af
Routed to Pond 34P : DMH 36

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.25' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.30'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.30' / 60.20' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.84 cfs @ 12.09 hrs HW=61.24' (Free Discharge)
1=Culvert (Barrel Controls 1.84 cfs @ 3.13 fps)

Pond 32P: CB 52



Stage-Area-Storage for Pond 32P: CB 52

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.30	**0.000**	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000		
60.79	0.000		
60.80	0.000		
60.81	0.000		
60.82	0.000		

Summary for Pond 33P: CB 53

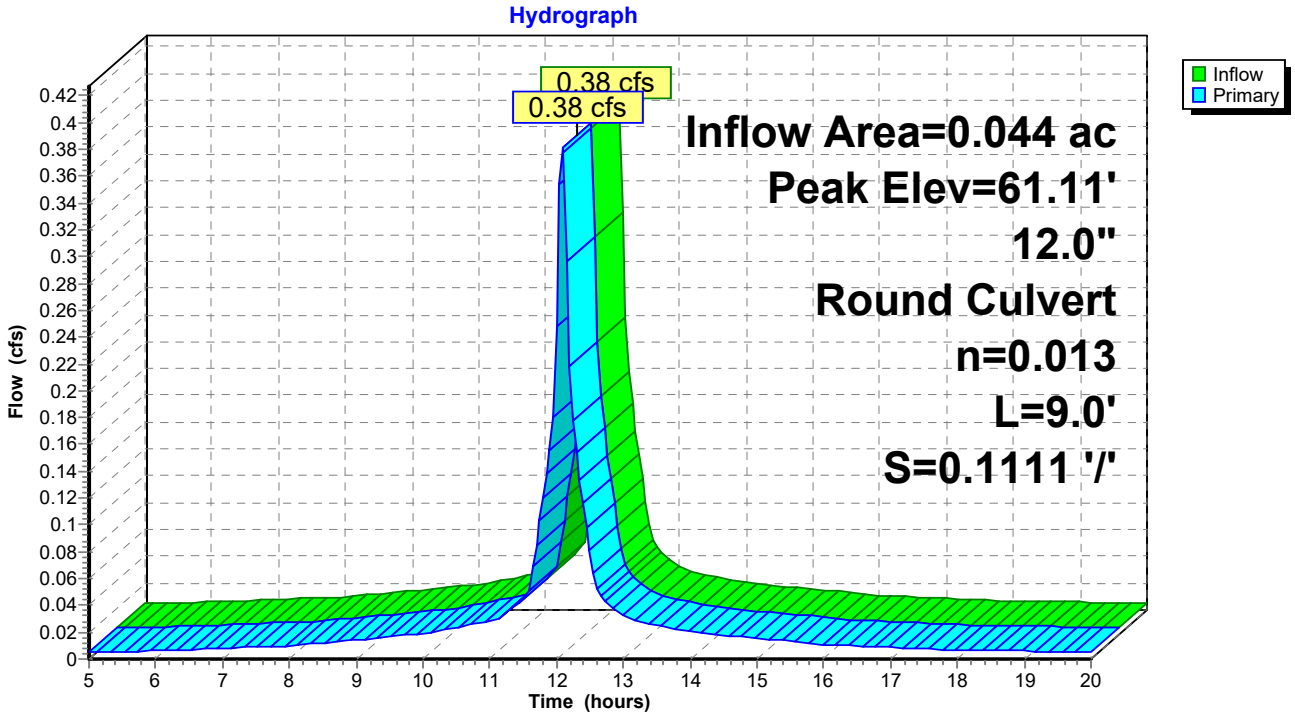
Inflow Area = 0.044 ac,100.00% Impervious, Inflow Depth > 8.00" for 100-Year event
Inflow = 0.38 cfs @ 12.09 hrs, Volume= 0.030 af
Outflow = 0.38 cfs @ 12.09 hrs, Volume= 0.030 af, Atten= 0%, Lag= 0.0 min
Primary = 0.38 cfs @ 12.09 hrs, Volume= 0.030 af
Routed to Pond 35P : DMH 37

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.11' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.76'	**12.0" Round Culvert** L= 9.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.76' / 59.76' S= 0.1111 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.09 hrs HW=61.10' (Free Discharge)
1=Culvert (Inlet Controls 0.37 cfs @ 1.57 fps)

Pond 33P: CB 53



Stage-Area-Storage for Pond 33P: CB 53

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.76	**0.000**	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000	61.61	0.000
61.09	0.000	61.62	0.000
61.10	0.000	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000		
61.25	0.000		
61.26	0.000		
61.27	0.000		
61.28	0.000		

Summary for Pond 34P: DMH 36

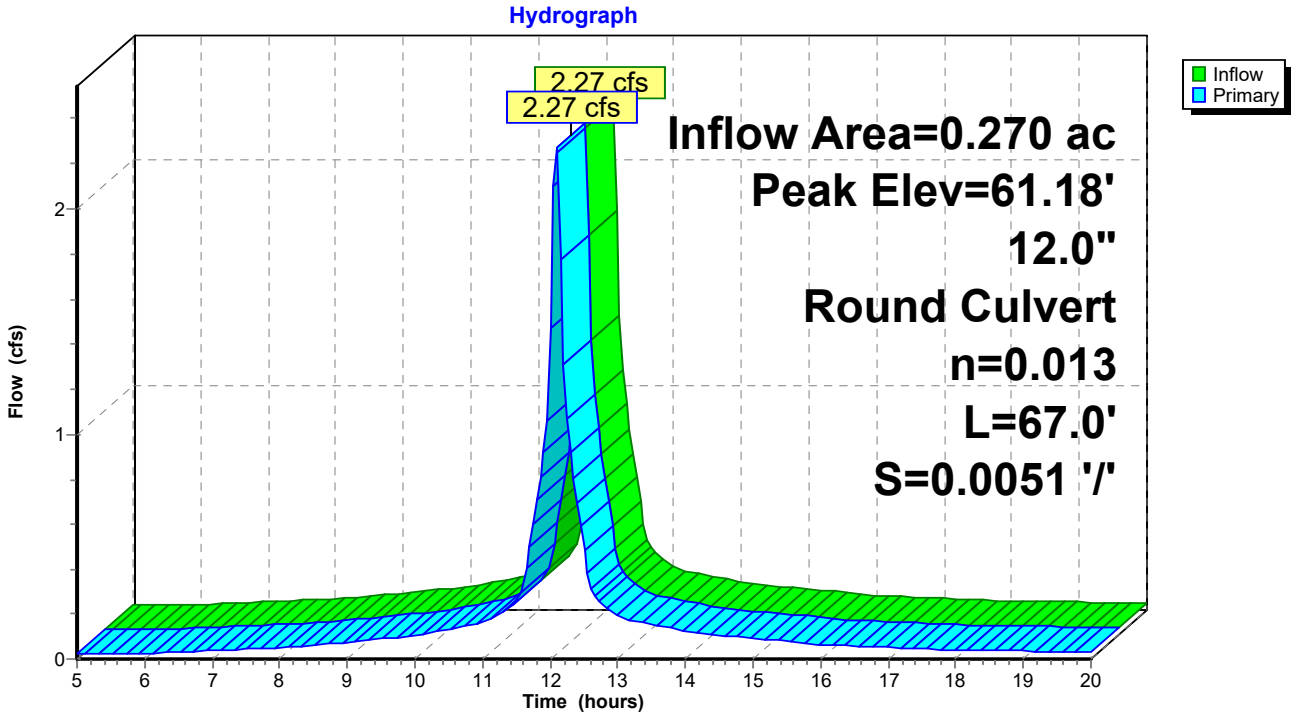
Inflow Area = 0.270 ac, 81.82% Impervious, Inflow Depth > 7.66" for 100-Year event
Inflow = 2.27 cfs @ 12.09 hrs, Volume= 0.172 af
Outflow = 2.27 cfs @ 12.09 hrs, Volume= 0.172 af, Atten= 0%, Lag= 0.0 min
Primary = 2.27 cfs @ 12.09 hrs, Volume= 0.172 af
Routed to Pond 35P : DMH 37

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.18' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.10'	**12.0" Round Culvert** L= 67.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.10' / 59.76' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.21 cfs @ 12.09 hrs HW=61.15' (Free Discharge)
1=Culvert (Barrel Controls 2.21 cfs @ 3.32 fps)

Pond 34P: DMH 36



Stage-Area-Storage for Pond 34P: DMH 36

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.10	**0.000**	60.63	0.000	61.16	0.000
60.11	0.000	60.64	0.000	61.17	0.000
60.12	0.000	60.65	0.000		
60.13	0.000	60.66	0.000		
60.14	0.000	60.67	0.000		
60.15	0.000	60.68	0.000		
60.16	0.000	60.69	0.000		
60.17	0.000	60.70	0.000		
60.18	0.000	60.71	0.000		
60.19	0.000	60.72	0.000		
60.20	0.000	60.73	0.000		
60.21	0.000	60.74	0.000		
60.22	0.000	60.75	0.000		
60.23	0.000	60.76	0.000		
60.24	0.000	60.77	0.000		
60.25	0.000	60.78	0.000		
60.26	0.000	60.79	0.000		
60.27	0.000	60.80	0.000		
60.28	0.000	60.81	0.000		
60.29	0.000	60.82	0.000		
60.30	0.000	60.83	0.000		
60.31	0.000	60.84	0.000		
60.32	0.000	60.85	0.000		
60.33	0.000	60.86	0.000		
60.34	0.000	60.87	0.000		
60.35	0.000	60.88	0.000		
60.36	0.000	60.89	0.000		
60.37	0.000	60.90	0.000		
60.38	0.000	60.91	0.000		
60.39	0.000	60.92	0.000		
60.40	0.000	60.93	0.000		
60.41	0.000	60.94	0.000		
60.42	0.000	60.95	0.000		
60.43	0.000	60.96	0.000		
60.44	0.000	60.97	0.000		
60.45	0.000	60.98	0.000		
60.46	0.000	60.99	0.000		
60.47	0.000	61.00	0.000		
60.48	0.000	61.01	0.000		
60.49	0.000	61.02	0.000		
60.50	0.000	61.03	0.000		
60.51	0.000	61.04	0.000		
60.52	0.000	61.05	0.000		
60.53	0.000	61.06	0.000		
60.54	0.000	61.07	0.000		
60.55	0.000	61.08	0.000		
60.56	0.000	61.09	0.000		
60.57	0.000	61.10	0.000		
60.58	0.000	61.11	0.000		
60.59	0.000	61.12	0.000		
60.60	0.000	61.13	0.000		
60.61	0.000	61.14	0.000		
60.62	0.000	61.15	0.000		

Summary for Pond 35P: DMH 37

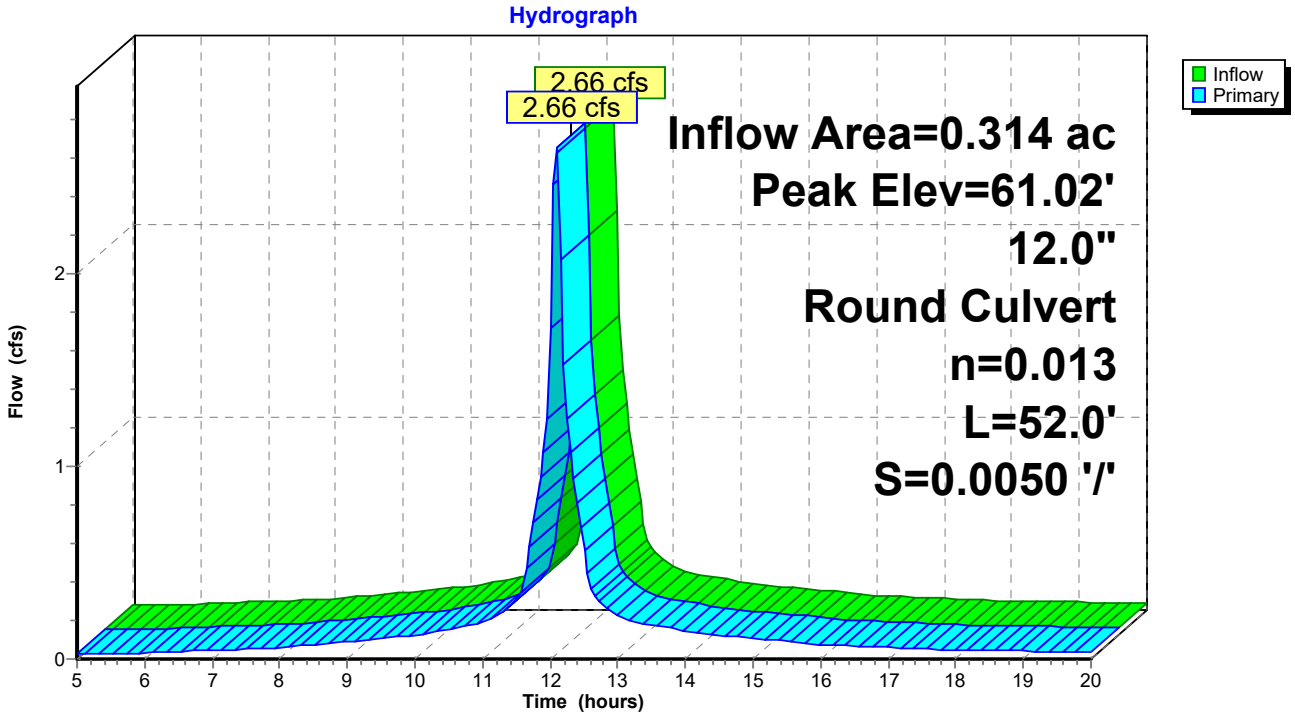
Inflow Area = 0.314 ac, 84.39% Impervious, Inflow Depth > 7.70" for 100-Year event
Inflow = 2.66 cfs @ 12.09 hrs, Volume= 0.202 af
Outflow = 2.66 cfs @ 12.09 hrs, Volume= 0.202 af, Atten= 0%, Lag= 0.0 min
Primary = 2.66 cfs @ 12.09 hrs, Volume= 0.202 af
Routed to Pond 37P : DMH 38

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.02' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.66'	**12.0" Round Culvert** L= 52.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.66' / 59.40' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.63 cfs @ 12.09 hrs HW=60.97' (Free Discharge)
1=Culvert (Barrel Controls 2.63 cfs @ 3.36 fps)

Pond 35P: DMH 37



Stage-Area-Storage for Pond 35P: DMH 37

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.66	**0.000**	60.19	0.000	60.72	0.000
59.67	0.000	60.20	0.000	60.73	0.000
59.68	0.000	60.21	0.000	60.74	0.000
59.69	0.000	60.22	0.000	60.75	0.000
59.70	0.000	60.23	0.000	60.76	0.000
59.71	0.000	60.24	0.000	60.77	0.000
59.72	0.000	60.25	0.000	60.78	0.000
59.73	0.000	60.26	0.000	60.79	0.000
59.74	0.000	60.27	0.000	60.80	0.000
59.75	0.000	60.28	0.000	60.81	0.000
59.76	0.000	60.29	0.000	60.82	0.000
59.77	0.000	60.30	0.000	60.83	0.000
59.78	0.000	60.31	0.000	60.84	0.000
59.79	0.000	60.32	0.000	60.85	0.000
59.80	0.000	60.33	0.000	60.86	0.000
59.81	0.000	60.34	0.000	60.87	0.000
59.82	0.000	60.35	0.000	60.88	0.000
59.83	0.000	60.36	0.000	60.89	0.000
59.84	0.000	60.37	0.000	60.90	0.000
59.85	0.000	60.38	0.000	60.91	0.000
59.86	0.000	60.39	0.000	60.92	0.000
59.87	0.000	60.40	0.000	60.93	0.000
59.88	0.000	60.41	0.000	60.94	0.000
59.89	0.000	60.42	0.000	60.95	0.000
59.90	0.000	60.43	0.000	60.96	0.000
59.91	0.000	60.44	0.000	60.97	0.000
59.92	0.000	60.45	0.000	60.98	0.000
59.93	0.000	60.46	0.000	60.99	0.000
59.94	0.000	60.47	0.000	61.00	0.000
59.95	0.000	60.48	0.000	61.01	0.000
59.96	0.000	60.49	0.000	61.02	0.000
59.97	0.000	60.50	0.000		
59.98	0.000	60.51	0.000		
59.99	0.000	60.52	0.000		
60.00	0.000	60.53	0.000		
60.01	0.000	60.54	0.000		
60.02	0.000	60.55	0.000		
60.03	0.000	60.56	0.000		
60.04	0.000	60.57	0.000		
60.05	0.000	60.58	0.000		
60.06	0.000	60.59	0.000		
60.07	0.000	60.60	0.000		
60.08	0.000	60.61	0.000		
60.09	0.000	60.62	0.000		
60.10	0.000	60.63	0.000		
60.11	0.000	60.64	0.000		
60.12	0.000	60.65	0.000		
60.13	0.000	60.66	0.000		
60.14	0.000	60.67	0.000		
60.15	0.000	60.68	0.000		
60.16	0.000	60.69	0.000		
60.17	0.000	60.70	0.000		
60.18	0.000	60.71	0.000		

Summary for Pond 36P: CB 54

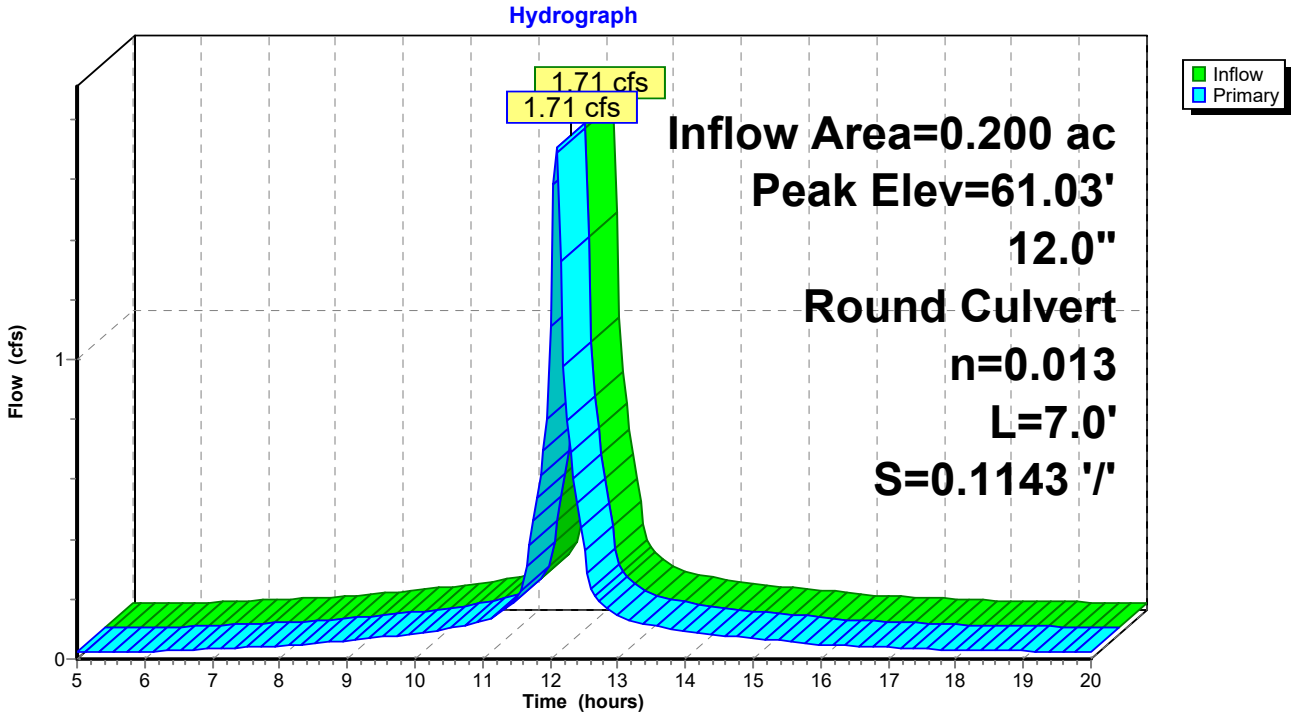
Inflow Area = 0.200 ac, 94.53% Impervious, Inflow Depth > 7.94" for 100-Year event
Inflow = 1.71 cfs @ 12.09 hrs, Volume= 0.132 af
Outflow = 1.71 cfs @ 12.09 hrs, Volume= 0.132 af, Atten= 0%, Lag= 0.0 min
Primary = 1.71 cfs @ 12.09 hrs, Volume= 0.132 af
Routed to Pond 37P : DMH 38

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.03' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.20'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.20' / 59.40' S= 0.1143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.66 cfs @ 12.09 hrs HW=61.01' (Free Discharge)
1=Culvert (Inlet Controls 1.66 cfs @ 2.43 fps)

Pond 36P: CB 54



Stage-Area-Storage for Pond 36P: CB 54

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.20	**0.000**	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000	61.01	0.000
60.49	0.000	61.02	0.000
60.50	0.000	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000		
60.69	0.000		
60.70	0.000		
60.71	0.000		
60.72	0.000		

Summary for Pond 37P: DMH 38

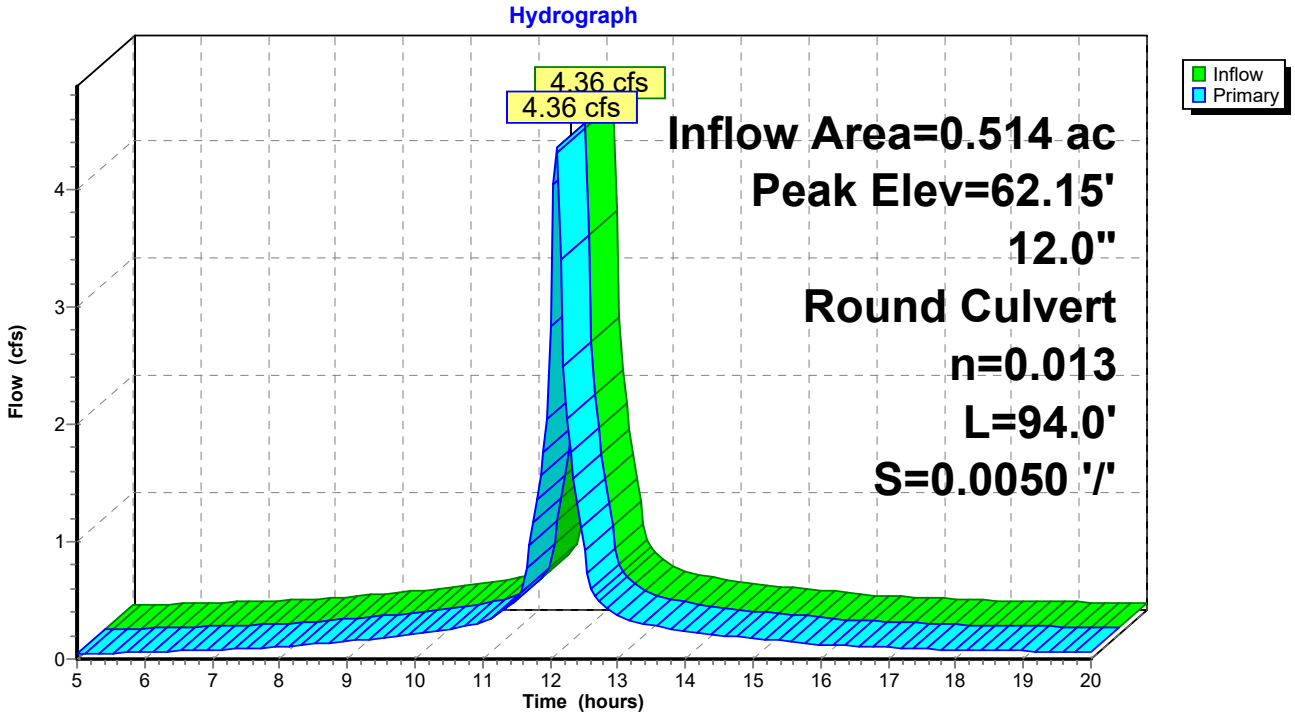
Inflow Area = 0.514 ac, 88.33% Impervious, Inflow Depth > 7.79" for 100-Year event
Inflow = 4.36 cfs @ 12.09 hrs, Volume= 0.334 af
Outflow = 4.36 cfs @ 12.09 hrs, Volume= 0.334 af, Atten= 0%, Lag= 0.0 min
Primary = 4.36 cfs @ 12.09 hrs, Volume= 0.334 af
Routed to Pond 38P : DMH 39

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.15' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.30'	**12.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.30' / 58.83' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.25 cfs @ 12.09 hrs HW=62.03' (Free Discharge)
1=Culvert (Barrel Controls 4.25 cfs @ 5.41 fps)

Pond 37P: DMH 38



Stage-Area-Storage for Pond 37P: DMH 38

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.30	**0.000**	60.36	0.000	61.42	0.000
59.32	0.000	60.38	0.000	61.44	0.000
59.34	0.000	60.40	0.000	61.46	0.000
59.36	0.000	60.42	0.000	61.48	0.000
59.38	0.000	60.44	0.000	61.50	0.000
59.40	0.000	60.46	0.000	61.52	0.000
59.42	0.000	60.48	0.000	61.54	0.000
59.44	0.000	60.50	0.000	61.56	0.000
59.46	0.000	60.52	0.000	61.58	0.000
59.48	0.000	60.54	0.000	61.60	0.000
59.50	0.000	60.56	0.000	61.62	0.000
59.52	0.000	60.58	0.000	61.64	0.000
59.54	0.000	60.60	0.000	61.66	0.000
59.56	0.000	60.62	0.000	61.68	0.000
59.58	0.000	60.64	0.000	61.70	0.000
59.60	0.000	60.66	0.000	61.72	0.000
59.62	0.000	60.68	0.000	61.74	0.000
59.64	0.000	60.70	0.000	61.76	0.000
59.66	0.000	60.72	0.000	61.78	0.000
59.68	0.000	60.74	0.000	61.80	0.000
59.70	0.000	60.76	0.000	61.82	0.000
59.72	0.000	60.78	0.000	61.84	0.000
59.74	0.000	60.80	0.000	61.86	0.000
59.76	0.000	60.82	0.000	61.88	0.000
59.78	0.000	60.84	0.000	61.90	0.000
59.80	0.000	60.86	0.000	61.92	0.000
59.82	0.000	60.88	0.000	61.94	0.000
59.84	0.000	60.90	0.000	61.96	0.000
59.86	0.000	60.92	0.000	61.98	0.000
59.88	0.000	60.94	0.000	62.00	0.000
59.90	0.000	60.96	0.000	62.02	0.000
59.92	0.000	60.98	0.000	62.04	0.000
59.94	0.000	61.00	0.000	62.06	0.000
59.96	0.000	61.02	0.000	62.08	0.000
59.98	0.000	61.04	0.000	62.10	0.000
60.00	0.000	61.06	0.000	62.12	0.000
60.02	0.000	61.08	0.000		
60.04	0.000	61.10	0.000		
60.06	0.000	61.12	0.000		
60.08	0.000	61.14	0.000		
60.10	0.000	61.16	0.000		
60.12	0.000	61.18	0.000		
60.14	0.000	61.20	0.000		
60.16	0.000	61.22	0.000		
60.18	0.000	61.24	0.000		
60.20	0.000	61.26	0.000		
60.22	0.000	61.28	0.000		
60.24	0.000	61.30	0.000		
60.26	0.000	61.32	0.000		
60.28	0.000	61.34	0.000		
60.30	0.000	61.36	0.000		
60.32	0.000	61.38	0.000		
60.34	0.000	61.40	0.000		

Summary for Pond 38P: DMH 39

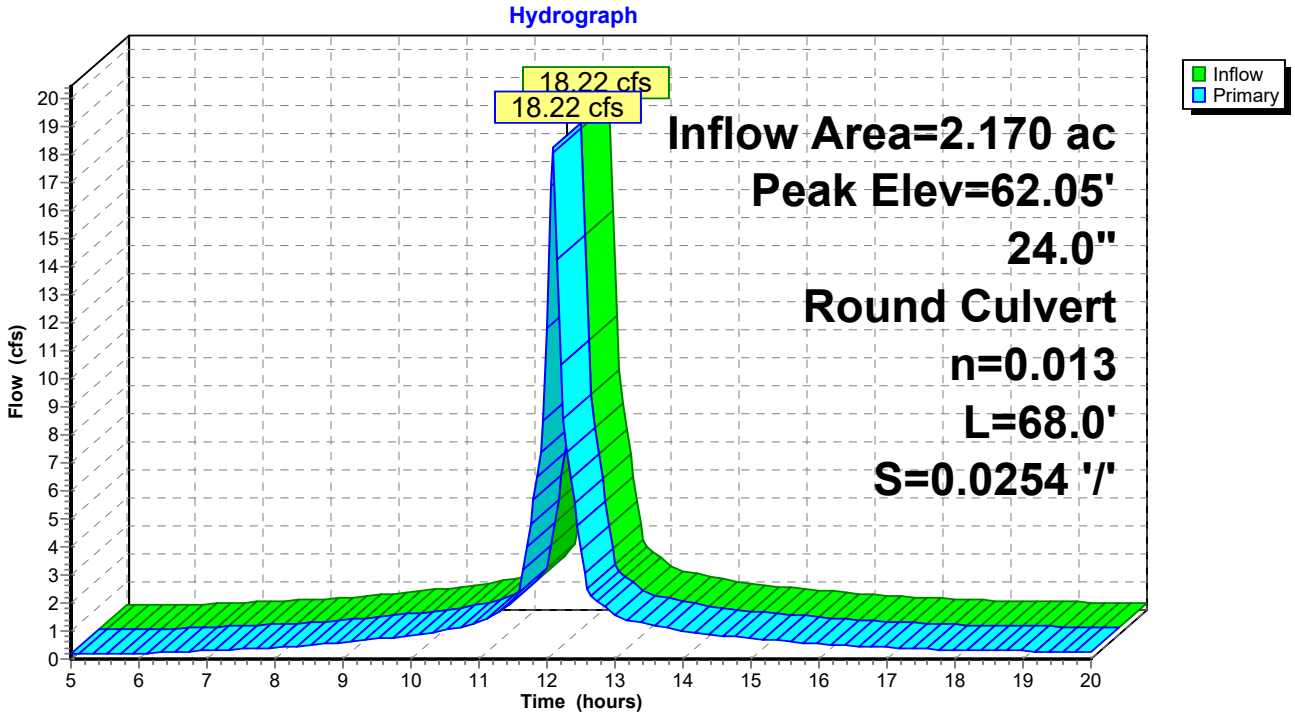
Inflow Area = 2.170 ac, 80.49% Impervious, Inflow Depth > 7.62" for 100-Year event
Inflow = 18.22 cfs @ 12.09 hrs, Volume= 1.378 af
Outflow = 18.22 cfs @ 12.09 hrs, Volume= 1.378 af, Atten= 0%, Lag= 0.0 min
Primary = 18.22 cfs @ 12.09 hrs, Volume= 1.378 af
Routed to Pond 15P : Inf. Basin 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.73'	**24.0" Round Culvert** L= 68.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.73' / 57.00' S= 0.0254 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=17.74 cfs @ 12.09 hrs HW=61.94' (Free Discharge)
1=Culvert (Inlet Controls 17.74 cfs @ 5.65 fps)

Pond 38P: DMH 39



Stage-Area-Storage for Pond 38P: DMH 39

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.73	**0.000**	61.38	0.000
58.78	0.000	61.43	0.000
58.83	0.000	61.48	0.000
58.88	0.000	61.53	0.000
58.93	0.000	61.58	0.000
58.98	0.000	61.63	0.000
59.03	0.000	61.68	0.000
59.08	0.000	61.73	0.000
59.13	0.000	61.78	0.000
59.18	0.000	61.83	0.000
59.23	0.000	61.88	0.000
59.28	0.000	61.93	0.000
59.33	0.000	61.98	0.000
59.38	0.000	62.03	0.000
59.43	0.000		
59.48	0.000		
59.53	0.000		
59.58	0.000		
59.63	0.000		
59.68	0.000		
59.73	0.000		
59.78	0.000		
59.83	0.000		
59.88	0.000		
59.93	0.000		
59.98	0.000		
60.03	0.000		
60.08	0.000		
60.13	0.000		
60.18	0.000		
60.23	0.000		
60.28	0.000		
60.33	0.000		
60.38	0.000		
60.43	0.000		
60.48	0.000		
60.53	0.000		
60.58	0.000		
60.63	0.000		
60.68	0.000		
60.73	0.000		
60.78	0.000		
60.83	0.000		
60.88	0.000		
60.93	0.000		
60.98	0.000		
61.03	0.000		
61.08	0.000		
61.13	0.000		
61.18	0.000		
61.23	0.000		
61.28	0.000		
61.33	0.000		

Summary for Pond 41P: CB 49

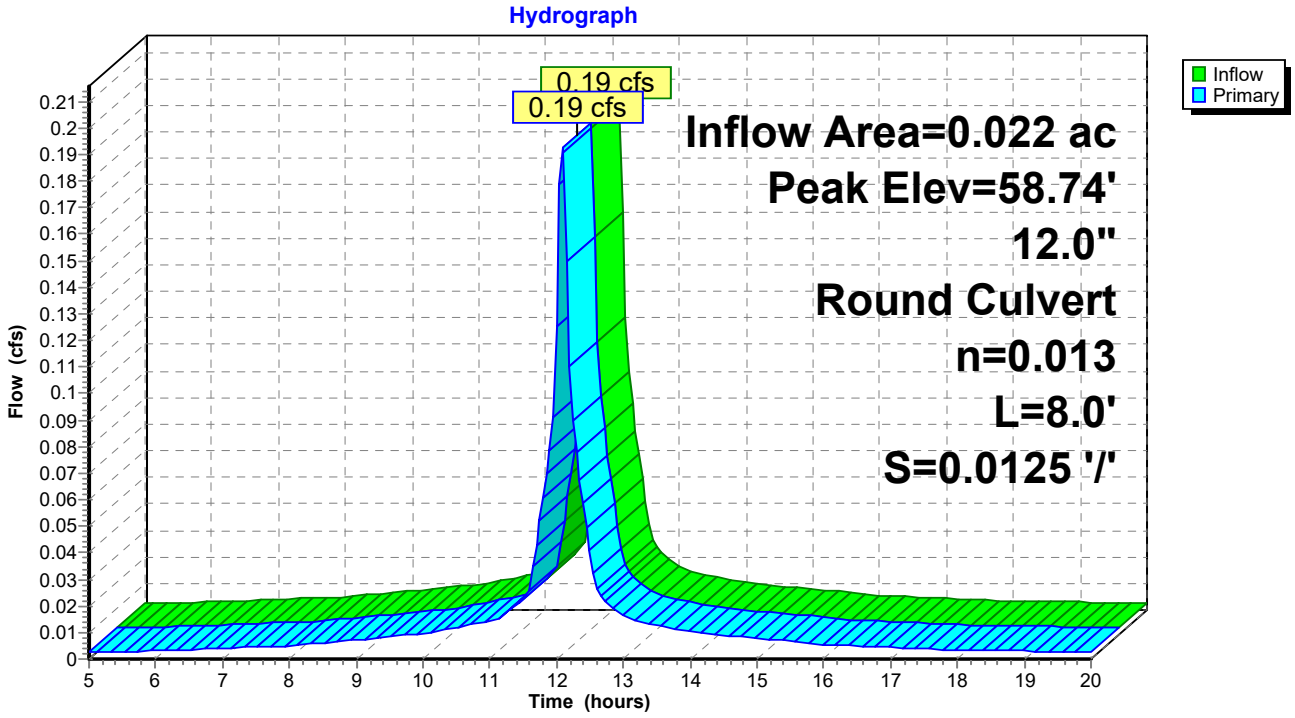
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth > 8.00" for 100-Year event
Inflow = 0.19 cfs @ 12.09 hrs, Volume= 0.015 af
Outflow = 0.19 cfs @ 12.09 hrs, Volume= 0.015 af, Atten= 0%, Lag= 0.0 min
Primary = 0.19 cfs @ 12.09 hrs, Volume= 0.015 af
Routed to Pond 43P : DMH 35

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.74' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.50'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.50' / 58.40' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.19 cfs @ 12.09 hrs HW=58.74' (Free Discharge)
1=Culvert (Barrel Controls 0.19 cfs @ 1.97 fps)

Pond 41P: CB 49



Stage-Area-Storage for Pond 41P: CB 49

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.50	**0.000**	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000		
58.99	0.000		
59.00	0.000		
59.01	0.000		
59.02	0.000		

Summary for Pond 42P: CB 50

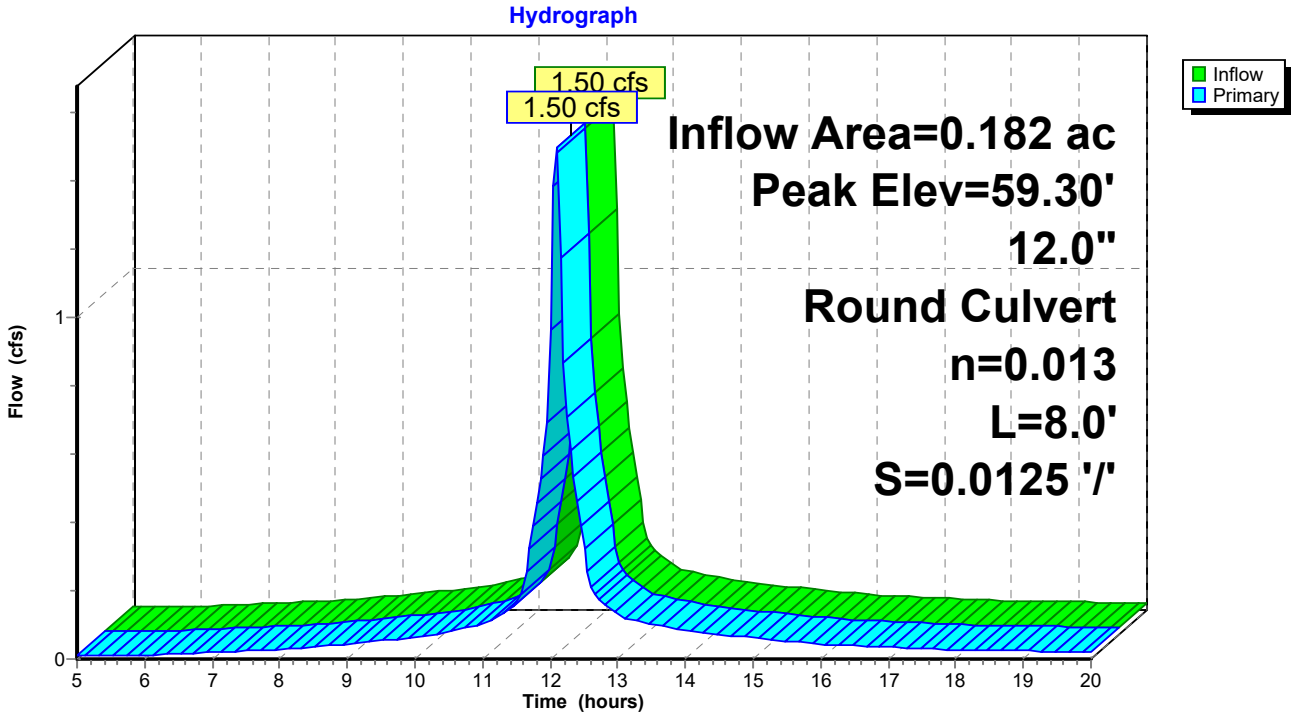
Inflow Area = 0.182 ac, 66.96% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 1.50 cfs @ 12.09 hrs, Volume= 0.111 af
Outflow = 1.50 cfs @ 12.09 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Primary = 1.50 cfs @ 12.09 hrs, Volume= 0.111 af
Routed to Pond 43P : DMH 35

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.50'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.50' / 58.40' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.46 cfs @ 12.09 hrs HW=59.29' (Free Discharge)
1=Culvert (Barrel Controls 1.46 cfs @ 3.01 fps)

Pond 42P: CB 50



Stage-Area-Storage for Pond 42P: CB 50

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.50	**0.000**	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000		
58.99	0.000		
59.00	0.000		
59.01	0.000		
59.02	0.000		

Summary for Pond 43P: DMH 35

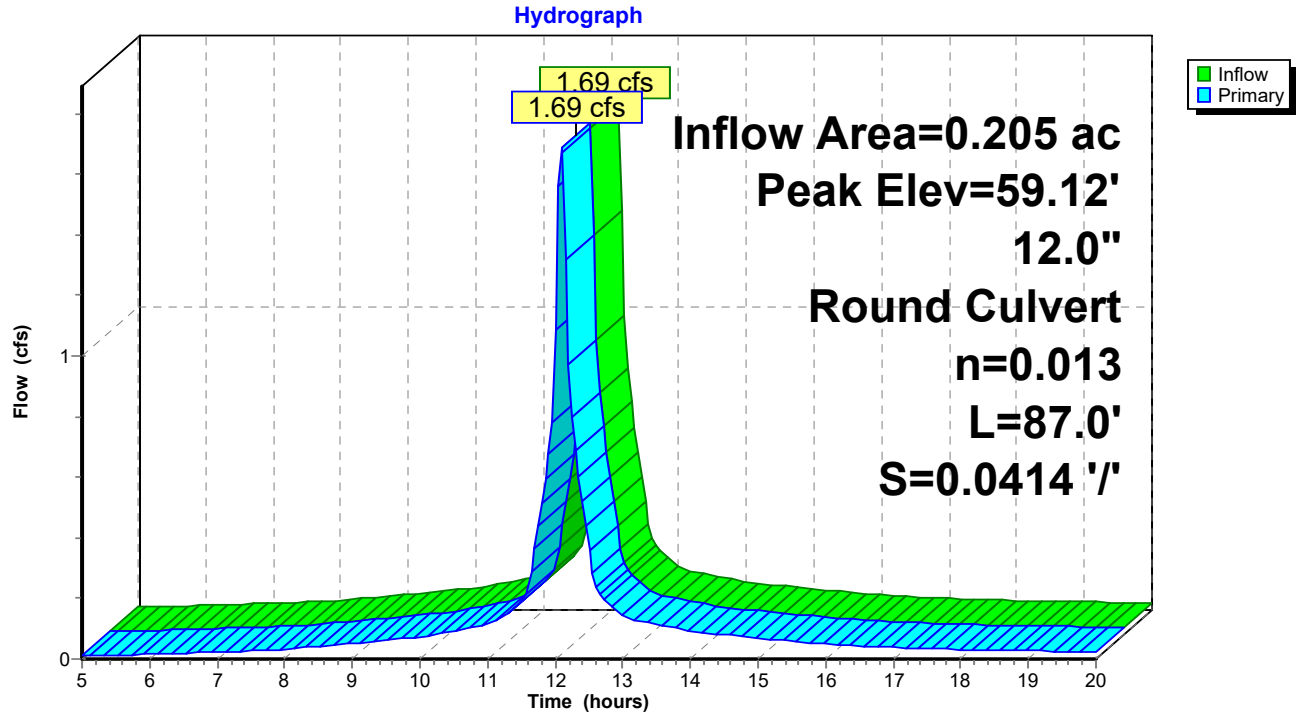
Inflow Area = 0.205 ac, 70.58% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 1.69 cfs @ 12.09 hrs, Volume= 0.126 af
Outflow = 1.69 cfs @ 12.09 hrs, Volume= 0.126 af, Atten= 0%, Lag= 0.0 min
Primary = 1.69 cfs @ 12.09 hrs, Volume= 0.126 af
Routed to Pond 206P : DMH 34

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.12' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.30'	**12.0" Round Culvert** L= 87.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.30' / 54.70' S= 0.0414 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.65 cfs @ 12.09 hrs HW=59.11' (Free Discharge)
1=Culvert (Inlet Controls 1.65 cfs @ 2.42 fps)

Pond 43P: DMH 35



Stage-Area-Storage for Pond 43P: DMH 35

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.30	**0.000**	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000	59.21	0.000
58.69	0.000	59.22	0.000
58.70	0.000	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000		
58.79	0.000		
58.80	0.000		
58.81	0.000		
58.82	0.000		

Summary for Pond 46P: CB 48

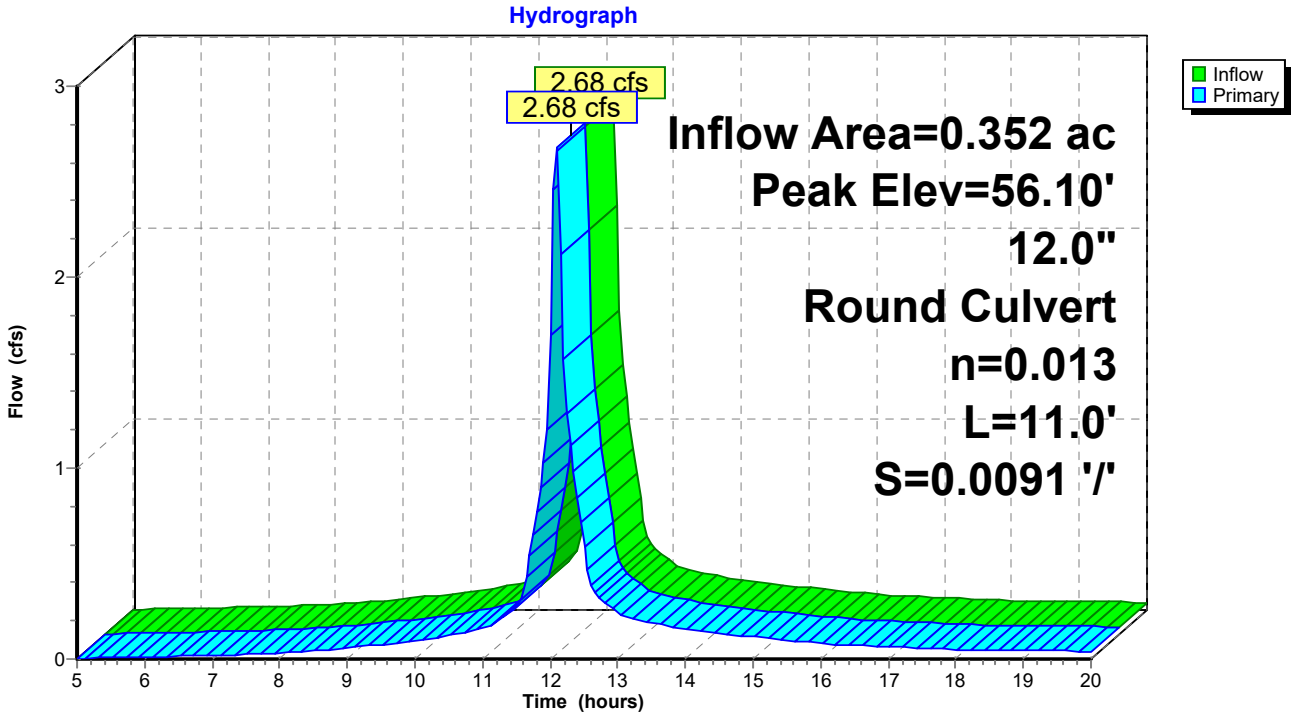
Inflow Area = 0.352 ac, 70.58% Impervious, Inflow Depth > 6.50" for 100-Year event
Inflow = 2.68 cfs @ 12.09 hrs, Volume= 0.191 af
Outflow = 2.68 cfs @ 12.09 hrs, Volume= 0.191 af, Atten= 0%, Lag= 0.0 min
Primary = 2.68 cfs @ 12.09 hrs, Volume= 0.191 af
Routed to Pond 48P : DMH 33

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.10' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.80'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.80' / 54.70' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.62 cfs @ 12.09 hrs HW=56.07' (Free Discharge)
1=Culvert (Inlet Controls 2.62 cfs @ 3.33 fps)

Pond 46P: CB 48



Stage-Area-Storage for Pond 46P: CB 48

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.80	**0.000**	55.33	0.000	55.86	0.000
54.81	0.000	55.34	0.000	55.87	0.000
54.82	0.000	55.35	0.000	55.88	0.000
54.83	0.000	55.36	0.000	55.89	0.000
54.84	0.000	55.37	0.000	55.90	0.000
54.85	0.000	55.38	0.000	55.91	0.000
54.86	0.000	55.39	0.000	55.92	0.000
54.87	0.000	55.40	0.000	55.93	0.000
54.88	0.000	55.41	0.000	55.94	0.000
54.89	0.000	55.42	0.000	55.95	0.000
54.90	0.000	55.43	0.000	55.96	0.000
54.91	0.000	55.44	0.000	55.97	0.000
54.92	0.000	55.45	0.000	55.98	0.000
54.93	0.000	55.46	0.000	55.99	0.000
54.94	0.000	55.47	0.000	56.00	0.000
54.95	0.000	55.48	0.000	56.01	0.000
54.96	0.000	55.49	0.000	56.02	0.000
54.97	0.000	55.50	0.000	56.03	0.000
54.98	0.000	55.51	0.000	56.04	0.000
54.99	0.000	55.52	0.000	56.05	0.000
55.00	0.000	55.53	0.000	56.06	0.000
55.01	0.000	55.54	0.000	56.07	0.000
55.02	0.000	55.55	0.000	56.08	0.000
55.03	0.000	55.56	0.000	56.09	0.000
55.04	0.000	55.57	0.000	56.10	0.000
55.05	0.000	55.58	0.000		
55.06	0.000	55.59	0.000		
55.07	0.000	55.60	0.000		
55.08	0.000	55.61	0.000		
55.09	0.000	55.62	0.000		
55.10	0.000	55.63	0.000		
55.11	0.000	55.64	0.000		
55.12	0.000	55.65	0.000		
55.13	0.000	55.66	0.000		
55.14	0.000	55.67	0.000		
55.15	0.000	55.68	0.000		
55.16	0.000	55.69	0.000		
55.17	0.000	55.70	0.000		
55.18	0.000	55.71	0.000		
55.19	0.000	55.72	0.000		
55.20	0.000	55.73	0.000		
55.21	0.000	55.74	0.000		
55.22	0.000	55.75	0.000		
55.23	0.000	55.76	0.000		
55.24	0.000	55.77	0.000		
55.25	0.000	55.78	0.000		
55.26	0.000	55.79	0.000		
55.27	0.000	55.80	0.000		
55.28	0.000	55.81	0.000		
55.29	0.000	55.82	0.000		
55.30	0.000	55.83	0.000		
55.31	0.000	55.84	0.000		
55.32	0.000	55.85	0.000		

Summary for Pond 47P: CB 47

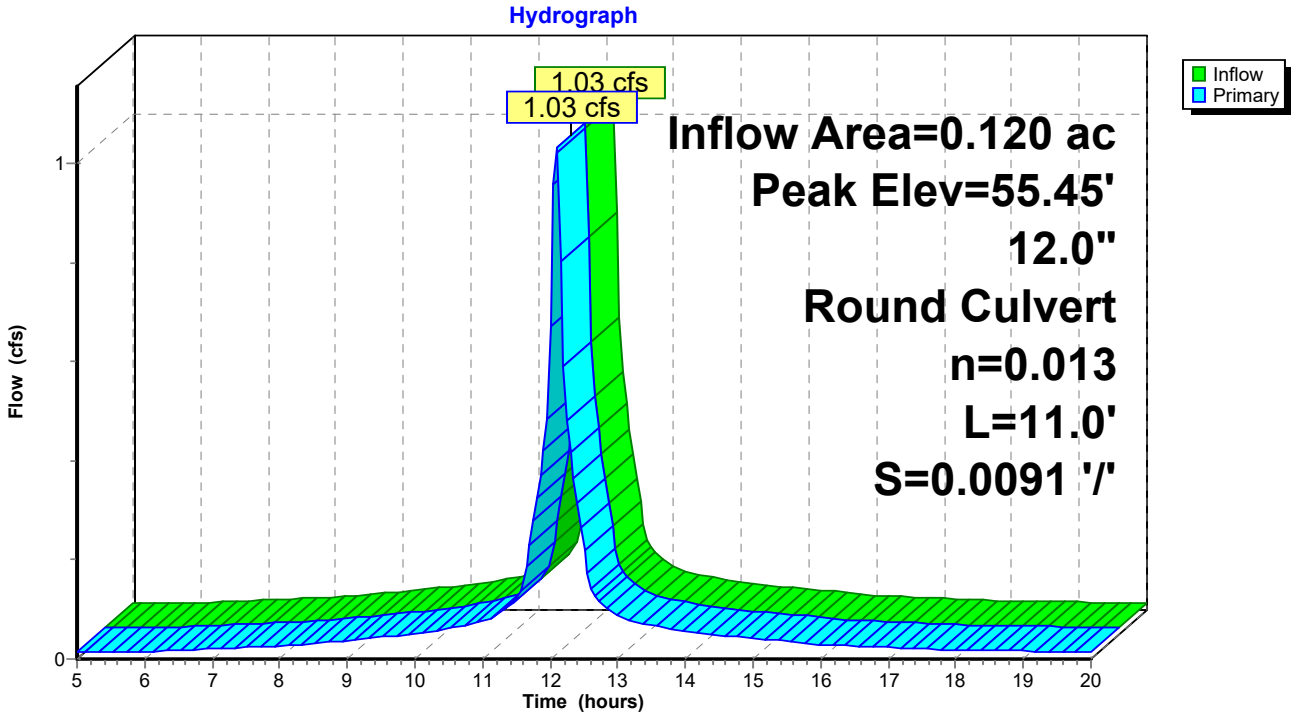
Inflow Area = 0.120 ac, 97.54% Impervious, Inflow Depth > 7.94" for 100-Year event
Inflow = 1.03 cfs @ 12.09 hrs, Volume= 0.080 af
Outflow = 1.03 cfs @ 12.09 hrs, Volume= 0.080 af, Atten= 0%, Lag= 0.0 min
Primary = 1.03 cfs @ 12.09 hrs, Volume= 0.080 af
Routed to Pond 48P : DMH 33

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.45' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.80'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.80' / 54.70' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=55.44' (Free Discharge)
1=Culvert (Barrel Controls 1.00 cfs @ 2.72 fps)

Pond 47P: CB 47



Stage-Area-Storage for Pond 47P: CB 47

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.80	**0.000**	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000	55.61	0.000
55.09	0.000	55.62	0.000
55.10	0.000	55.63	0.000
55.11	0.000	55.64	0.000
55.12	0.000	55.65	0.000
55.13	0.000	55.66	0.000
55.14	0.000	55.67	0.000
55.15	0.000	55.68	0.000
55.16	0.000	55.69	0.000
55.17	0.000	55.70	0.000
55.18	0.000	55.71	0.000
55.19	0.000	55.72	0.000
55.20	0.000	55.73	0.000
55.21	0.000	55.74	0.000
55.22	0.000	55.75	0.000
55.23	0.000	55.76	0.000
55.24	0.000	55.77	0.000
55.25	0.000	55.78	0.000
55.26	0.000	55.79	0.000
55.27	0.000	55.80	0.000
55.28	0.000		
55.29	0.000		
55.30	0.000		
55.31	0.000		
55.32	0.000		

Summary for Pond 48P: DMH 33

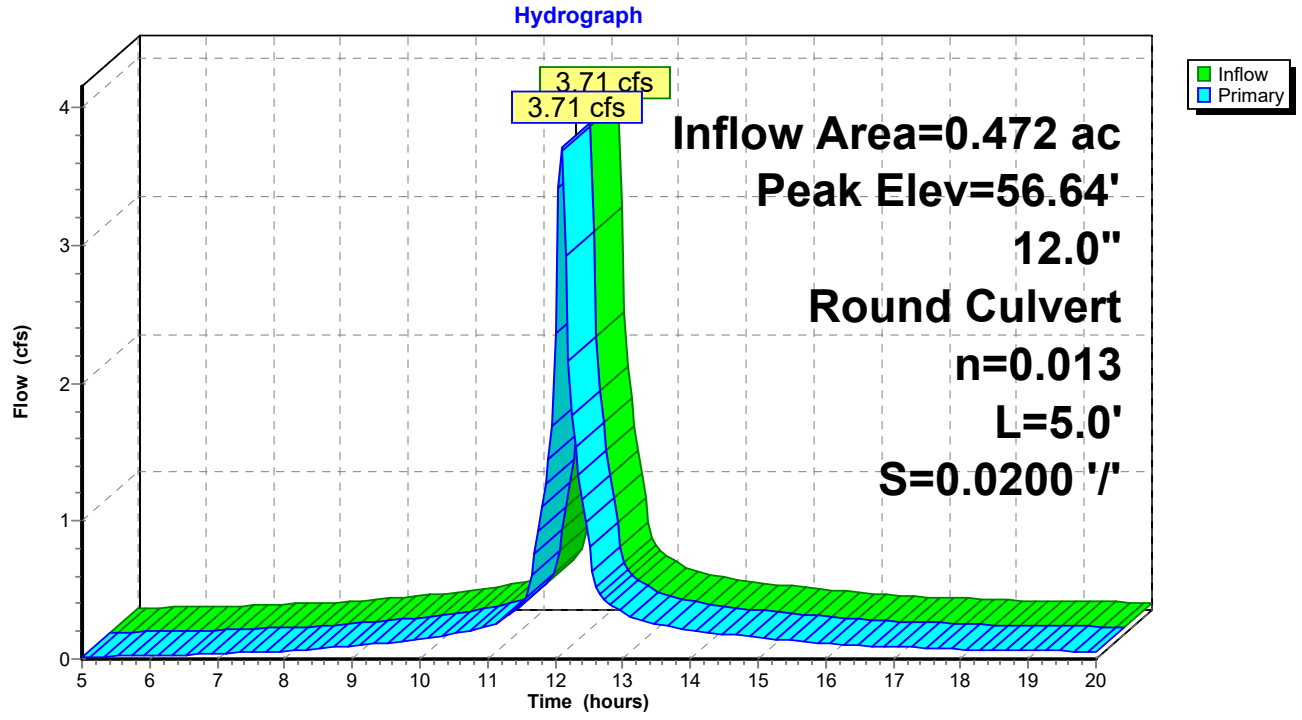
Inflow Area = 0.472 ac, 77.45% Impervious, Inflow Depth > 6.87" for 100-Year event
Inflow = 3.71 cfs @ 12.09 hrs, Volume= 0.270 af
Outflow = 3.71 cfs @ 12.09 hrs, Volume= 0.270 af, Atten= 0%, Lag= 0.0 min
Primary = 3.71 cfs @ 12.09 hrs, Volume= 0.270 af
Routed to Pond 49P : Sub. Inf. 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.64' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.62 cfs @ 12.09 hrs HW=56.57' (Free Discharge)
1=Culvert (Inlet Controls 3.62 cfs @ 4.61 fps)

Pond 48P: DMH 33



Stage-Area-Storage for Pond 48P: DMH 33

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.66	0.000
54.62	0.000	55.68	0.000
54.64	0.000	55.70	0.000
54.66	0.000	55.72	0.000
54.68	0.000	55.74	0.000
54.70	0.000	55.76	0.000
54.72	0.000	55.78	0.000
54.74	0.000	55.80	0.000
54.76	0.000	55.82	0.000
54.78	0.000	55.84	0.000
54.80	0.000	55.86	0.000
54.82	0.000	55.88	0.000
54.84	0.000	55.90	0.000
54.86	0.000	55.92	0.000
54.88	0.000	55.94	0.000
54.90	0.000	55.96	0.000
54.92	0.000	55.98	0.000
54.94	0.000	56.00	0.000
54.96	0.000	56.02	0.000
54.98	0.000	56.04	0.000
55.00	0.000	56.06	0.000
55.02	0.000	56.08	0.000
55.04	0.000	56.10	0.000
55.06	0.000	56.12	0.000
55.08	0.000	56.14	0.000
55.10	0.000	56.16	0.000
55.12	0.000	56.18	0.000
55.14	0.000	56.20	0.000
55.16	0.000	56.22	0.000
55.18	0.000	56.24	0.000
55.20	0.000	56.26	0.000
55.22	0.000	56.28	0.000
55.24	0.000	56.30	0.000
55.26	0.000	56.32	0.000
55.28	0.000	56.34	0.000
55.30	0.000	56.36	0.000
55.32	0.000	56.38	0.000
55.34	0.000	56.40	0.000
55.36	0.000	56.42	0.000
55.38	0.000	56.44	0.000
55.40	0.000	56.46	0.000
55.42	0.000	56.48	0.000
55.44	0.000	56.50	0.000
55.46	0.000	56.52	0.000
55.48	0.000	56.54	0.000
55.50	0.000	56.56	0.000
55.52	0.000	56.58	0.000
55.54	0.000	56.60	0.000
55.56	0.000	56.62	0.000
55.58	0.000	56.64	0.000
55.60	0.000		
55.62	0.000		
55.64	0.000		

Summary for Pond 49P: Sub. Inf. 4

Inflow Area = 1.242 ac, 70.79% Impervious, Inflow Depth > 7.06" for 100-Year event
Inflow = 9.97 cfs @ 12.09 hrs, Volume= 0.731 af
Outflow = 10.13 cfs @ 12.09 hrs, Volume= 0.618 af, Atten= 0%, Lag= 0.1 min
Discarded = 0.14 cfs @ 12.09 hrs, Volume= 0.128 af
Primary = 9.99 cfs @ 12.09 hrs, Volume= 0.490 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.27' @ 12.09 hrs Surf.Area= 0.074 ac Storage= 0.156 af

Plug-Flow detention time= 77.2 min calculated for 0.616 af (84% of inflow)
Center-of-Mass det. time= 32.1 min (783.1 - 750.9)

Volume	Invert	Avail.Storage	Storage Description
#1A	54.00'	0.045 af	**55.25'W x 58.58'L x 3.00'H Field A** 0.223 af Overall - 0.111 af Embedded = 0.112 af x 40.0% Voids
#2A	54.50'	0.111 af	**ADS_StormTech SC-740 b +Cap** x 104 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 104 Chambers in 13 Rows Cap Storage= 2.7 cf x 2 x 13 rows = 69.0 cf
		0.156 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	54.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 50.00'
#2	Primary	54.00'	**12.0" Round Culvert** L= 76.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 51.50' S= 0.0329 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.00'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	56.80'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#5	Primary	54.00'	**12.0" Round Culvert** L= 76.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 51.00' S= 0.0395 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#6	Device 5	56.80'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#7	Device 5	56.00'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.14 cfs @ 12.09 hrs HW=57.26' (Free Discharge)
└**1=Exfiltration** (Controls 0.14 cfs)

Primary OutFlow Max=9.92 cfs @ 12.09 hrs HW=57.26' (Free Discharge)
- **2=Culvert** (Inlet Controls 4.96 cfs @ 6.31 fps)
  - **3=Orifice/Grate** (Passes < 1.32 cfs potential flow)
  - **4=Broad-Crested Rectangular Weir** (Passes < 3.68 cfs potential flow)
- **5=Culvert** (Inlet Controls 4.96 cfs @ 6.31 fps)
  - **6=Broad-Crested Rectangular Weir** (Passes < 3.68 cfs potential flow)
  - **7=Orifice/Grate** (Passes < 1.32 cfs potential flow)

Pond 49P: Sub. Inf. 4 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 13 rows = 69.0 cf

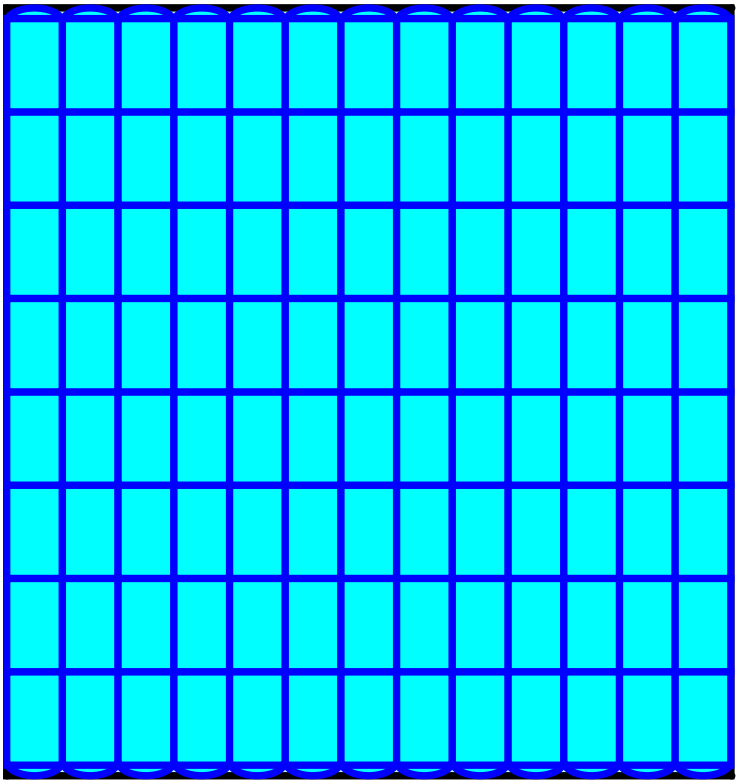
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length
13 Rows x 51.0" Wide = 55.25' Base Width
6.0" Stone Base + 30.0" Chamber Height = 3.00' Field Height

104 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 13 Rows = 4,846.8 cf Chamber Storage

9,709.1 cf Field - 4,846.8 cf Chambers = 4,862.3 cf Stone x 40.0% Voids = 1,944.9 cf Stone Storage

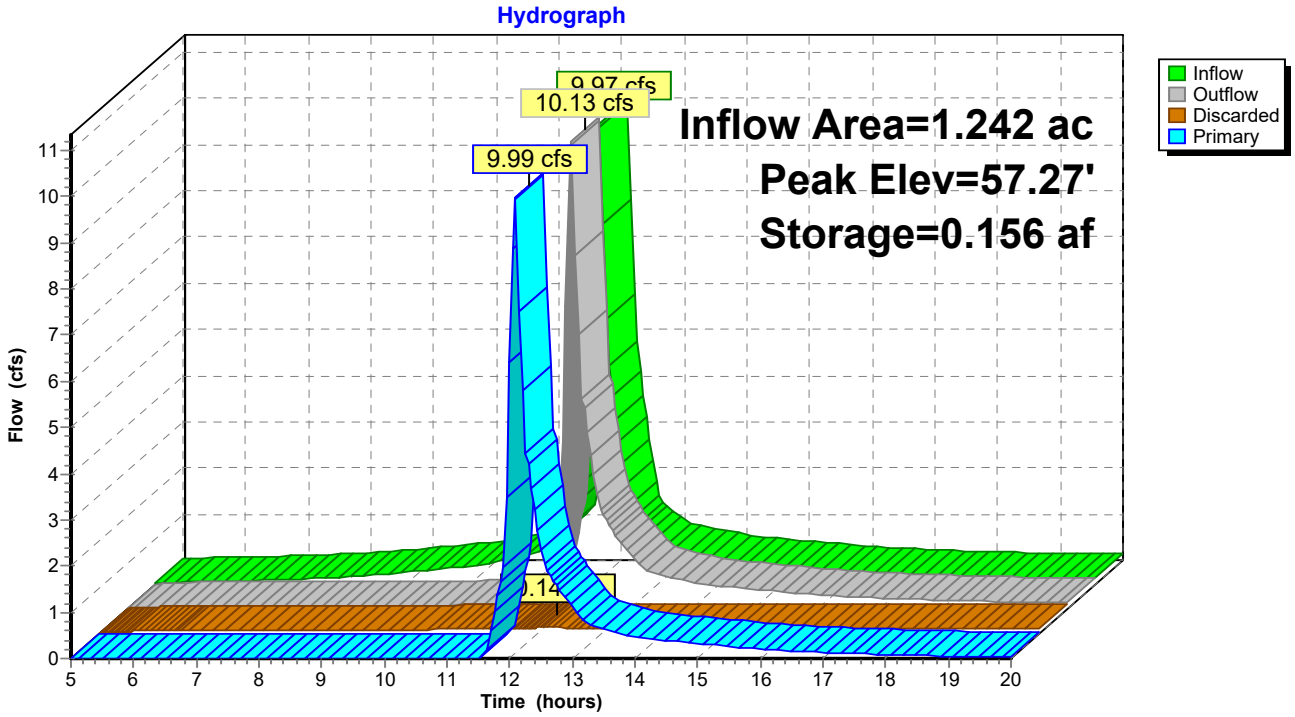
Chamber Storage + Stone Storage = 6,791.7 cf = 0.156 af
Overall Storage Efficiency = 70.0%
Overall System Size = 58.58' x 55.25' x 3.00'

104 Chambers
359.6 cy Field
180.1 cy Stone





Pond 49P: Sub. Inf. 4



Stage-Area-Storage for Pond 49P: Sub. Inf. 4

Elevation (feet)	Surface (acres)	Storage (acre-feet)
54.00	**0.074**	0.000
54.05	0.074	0.001
54.10	0.074	0.003
54.15	0.074	0.004
54.20	0.074	0.006
54.25	0.074	0.007
54.30	0.074	0.009
54.35	0.074	0.010
54.40	0.074	0.012
54.45	0.074	0.013
54.50	0.074	0.015
54.55	0.074	0.018
54.60	0.074	0.022
54.65	0.074	0.025
54.70	0.074	0.028
54.75	0.074	0.032
54.80	0.074	0.035
54.85	0.074	0.039
54.90	0.074	0.042
54.95	0.074	0.045
55.00	0.074	0.049
55.05	0.074	0.052
55.10	0.074	0.055
55.15	0.074	0.058
55.20	0.074	0.062
55.25	0.074	0.065
55.30	0.074	0.068
55.35	0.074	0.071
55.40	0.074	0.074
55.45	0.074	0.078
55.50	0.074	0.081
55.55	0.074	0.084
55.60	0.074	0.087
55.65	0.074	0.090
55.70	0.074	0.093
55.75	0.074	0.096
55.80	0.074	0.099
55.85	0.074	0.102
55.90	0.074	0.105
55.95	0.074	0.108
56.00	0.074	0.111
56.05	0.074	0.113
56.10	0.074	0.116
56.15	0.074	0.119
56.20	0.074	0.122
56.25	0.074	0.124
56.30	0.074	0.127
56.35	0.074	0.130
56.40	0.074	0.132
56.45	0.074	0.134
56.50	0.074	0.137
56.55	0.074	0.139
56.60	0.074	0.141
56.65	0.074	0.144
56.70	0.074	0.146
56.75	0.074	0.148
56.80	0.074	0.149
56.85	0.074	0.151
56.90	0.074	0.153
56.95	0.074	0.154
57.00	0.074	**0.156**
57.05	0.074	0.156
57.10	0.074	0.156
57.15	0.074	0.156
57.20	0.074	0.156
57.25	0.074	0.156

Summary for Pond 52P: CB 20

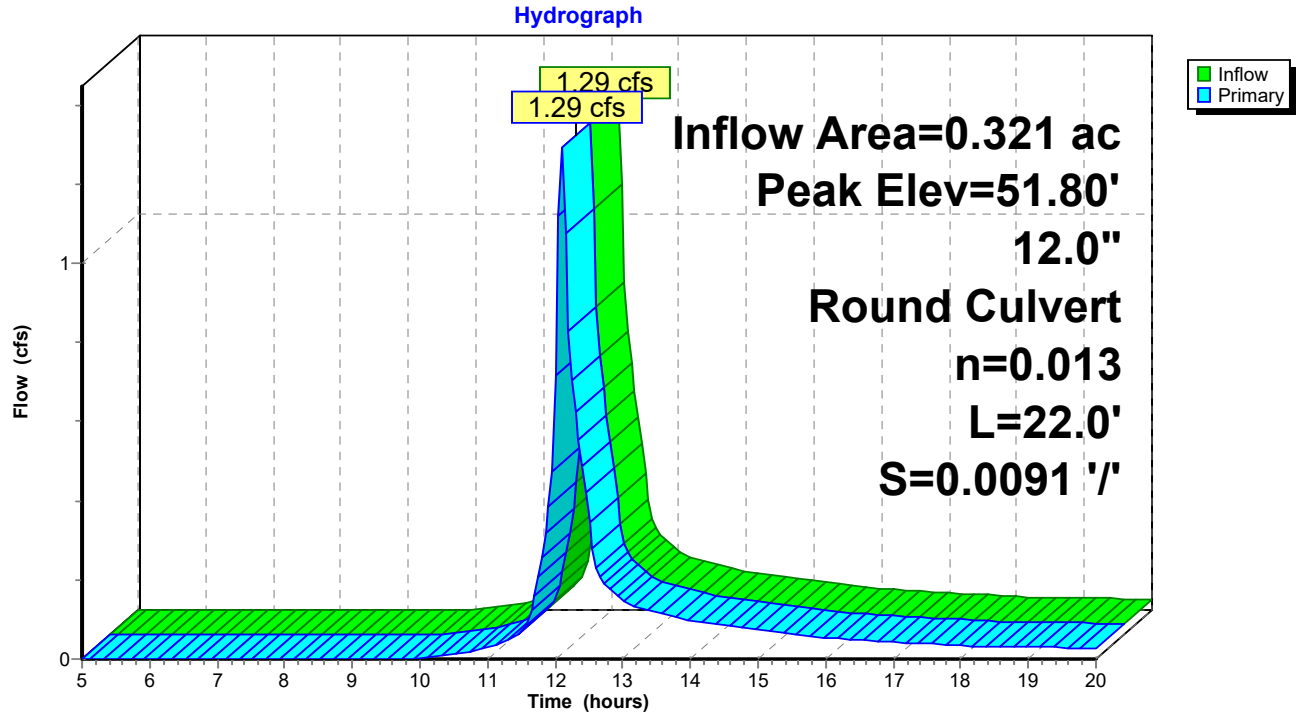
Inflow Area = 0.321 ac, 29.26% Impervious, Inflow Depth > 3.28" for 100-Year event
Inflow = 1.29 cfs @ 12.10 hrs, Volume= 0.088 af
Outflow = 1.29 cfs @ 12.10 hrs, Volume= 0.088 af, Atten= 0%, Lag= 0.0 min
Primary = 1.29 cfs @ 12.10 hrs, Volume= 0.088 af
Routed to Pond 54P : DMH 15

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.80' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.10'	**12.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.10' / 50.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.28 cfs @ 12.10 hrs HW=51.80' (Free Discharge)
1=Culvert (Barrel Controls 1.28 cfs @ 3.07 fps)

Pond 52P: CB 20



Stage-Area-Storage for Pond 52P: CB 20

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.10	**0.000**	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000		
51.59	0.000		
51.60	0.000		
51.61	0.000		
51.62	0.000		

Summary for Pond 53P: CB 21

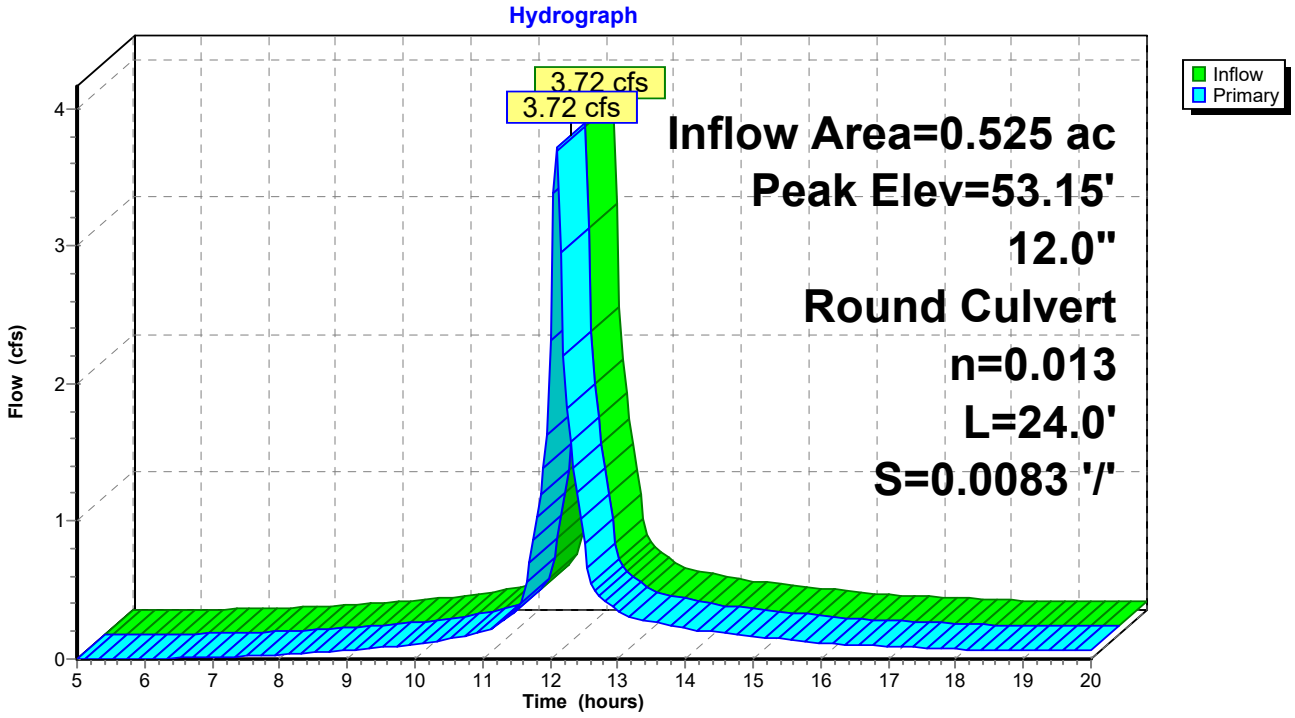
Inflow Area = 0.525 ac, 65.45% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 3.72 cfs @ 12.09 hrs, Volume= 0.258 af
Outflow = 3.72 cfs @ 12.09 hrs, Volume= 0.258 af, Atten= 0%, Lag= 0.0 min
Primary = 3.72 cfs @ 12.09 hrs, Volume= 0.258 af
Routed to Pond 54P : DMH 15

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.15' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.10'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.10' / 50.90' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.63 cfs @ 12.09 hrs HW=53.08' (Free Discharge)
1=Culvert (Inlet Controls 3.63 cfs @ 4.62 fps)

Pond 53P: CB 21



Stage-Area-Storage for Pond 53P: CB 21

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.10	**0.000**	52.16	0.000
51.12	0.000	52.18	0.000
51.14	0.000	52.20	0.000
51.16	0.000	52.22	0.000
51.18	0.000	52.24	0.000
51.20	0.000	52.26	0.000
51.22	0.000	52.28	0.000
51.24	0.000	52.30	0.000
51.26	0.000	52.32	0.000
51.28	0.000	52.34	0.000
51.30	0.000	52.36	0.000
51.32	0.000	52.38	0.000
51.34	0.000	52.40	0.000
51.36	0.000	52.42	0.000
51.38	0.000	52.44	0.000
51.40	0.000	52.46	0.000
51.42	0.000	52.48	0.000
51.44	0.000	52.50	0.000
51.46	0.000	52.52	0.000
51.48	0.000	52.54	0.000
51.50	0.000	52.56	0.000
51.52	0.000	52.58	0.000
51.54	0.000	52.60	0.000
51.56	0.000	52.62	0.000
51.58	0.000	52.64	0.000
51.60	0.000	52.66	0.000
51.62	0.000	52.68	0.000
51.64	0.000	52.70	0.000
51.66	0.000	52.72	0.000
51.68	0.000	52.74	0.000
51.70	0.000	52.76	0.000
51.72	0.000	52.78	0.000
51.74	0.000	52.80	0.000
51.76	0.000	52.82	0.000
51.78	0.000	52.84	0.000
51.80	0.000	52.86	0.000
51.82	0.000	52.88	0.000
51.84	0.000	52.90	0.000
51.86	0.000	52.92	0.000
51.88	0.000	52.94	0.000
51.90	0.000	52.96	0.000
51.92	0.000	52.98	0.000
51.94	0.000	53.00	0.000
51.96	0.000	53.02	0.000
51.98	0.000	53.04	0.000
52.00	0.000	53.06	0.000
52.02	0.000	53.08	0.000
52.04	0.000	53.10	0.000
52.06	0.000	53.12	0.000
52.08	0.000	53.14	0.000
52.10	0.000		
52.12	0.000		
52.14	0.000		

Summary for Pond 54P: DMH 15

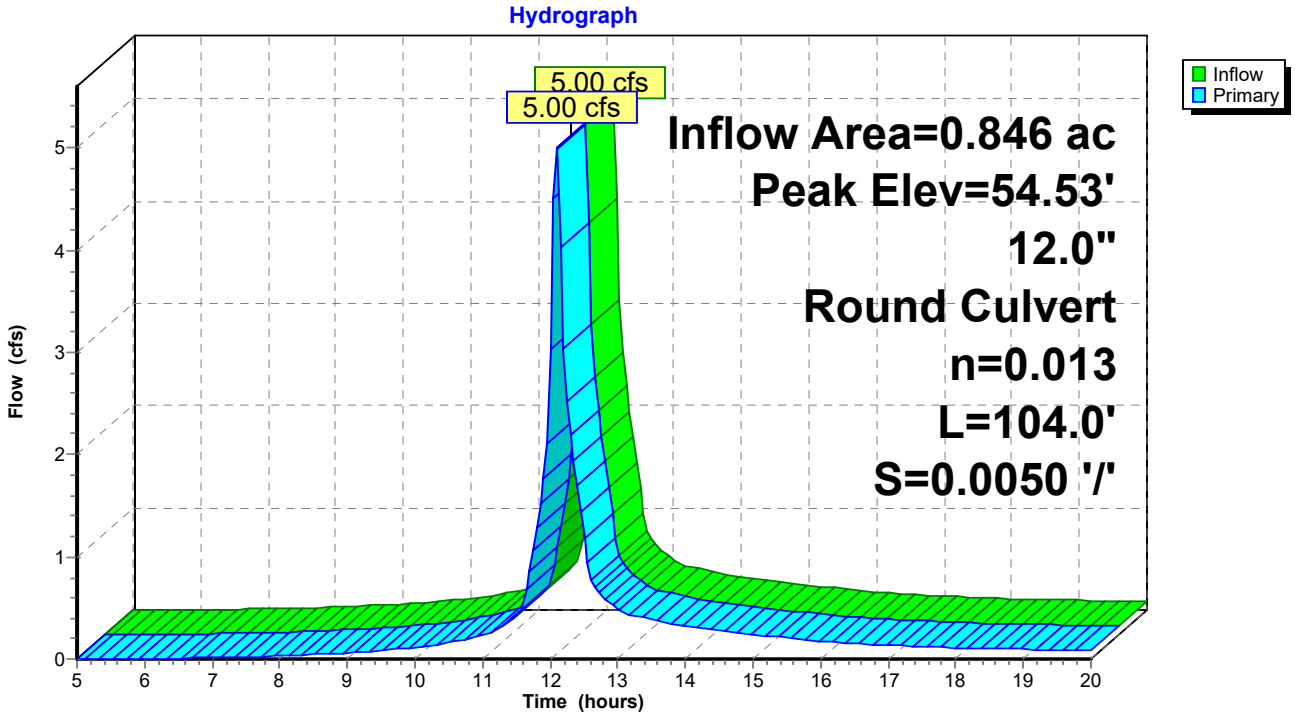
Inflow Area = 0.846 ac, 51.73% Impervious, Inflow Depth > 4.91" for 100-Year event
Inflow = 5.00 cfs @ 12.09 hrs, Volume= 0.346 af
Outflow = 5.00 cfs @ 12.09 hrs, Volume= 0.346 af, Atten= 0%, Lag= 0.0 min
Primary = 5.00 cfs @ 12.09 hrs, Volume= 0.346 af
Routed to Pond 55P : DMH 16

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.53' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.80'	**12.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.80' / 50.28' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.91 cfs @ 12.09 hrs HW=54.41' (Free Discharge)
1=Culvert (Barrel Controls 4.91 cfs @ 6.25 fps)

Pond 54P: DMH 15



Stage-Area-Storage for Pond 54P: DMH 15

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.80	**0.000**	53.45	0.000
50.85	0.000	53.50	0.000
50.90	0.000	53.55	0.000
50.95	0.000	53.60	0.000
51.00	0.000	53.65	0.000
51.05	0.000	53.70	0.000
51.10	0.000	53.75	0.000
51.15	0.000	53.80	0.000
51.20	0.000	53.85	0.000
51.25	0.000	53.90	0.000
51.30	0.000	53.95	0.000
51.35	0.000	54.00	0.000
51.40	0.000	54.05	0.000
51.45	0.000	54.10	0.000
51.50	0.000	54.15	0.000
51.55	0.000	54.20	0.000
51.60	0.000	54.25	0.000
51.65	0.000	54.30	0.000
51.70	0.000	54.35	0.000
51.75	0.000	54.40	0.000
51.80	0.000	54.45	0.000
51.85	0.000	54.50	0.000
51.90	0.000		
51.95	0.000		
52.00	0.000		
52.05	0.000		
52.10	0.000		
52.15	0.000		
52.20	0.000		
52.25	0.000		
52.30	0.000		
52.35	0.000		
52.40	0.000		
52.45	0.000		
52.50	0.000		
52.55	0.000		
52.60	0.000		
52.65	0.000		
52.70	0.000		
52.75	0.000		
52.80	0.000		
52.85	0.000		
52.90	0.000		
52.95	0.000		
53.00	0.000		
53.05	0.000		
53.10	0.000		
53.15	0.000		
53.20	0.000		
53.25	0.000		
53.30	0.000		
53.35	0.000		
53.40	0.000		

Summary for Pond 55P: DMH 16

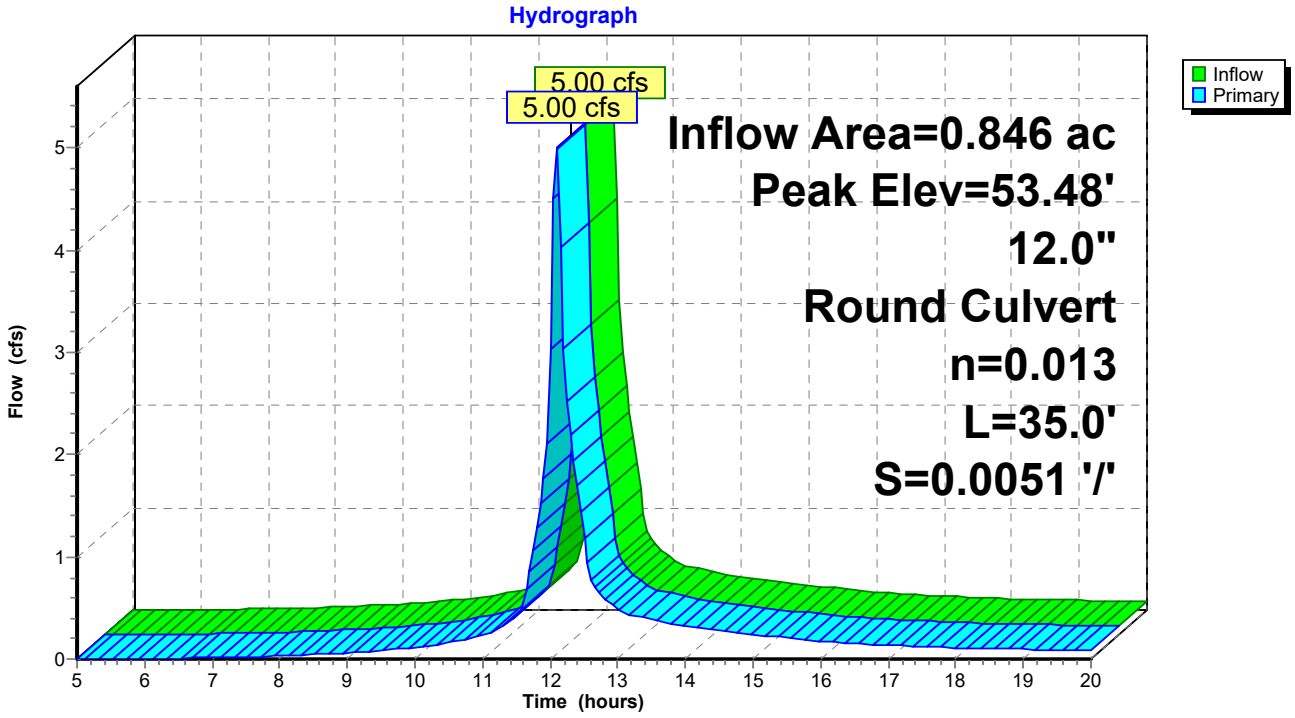
Inflow Area = 0.846 ac, 51.73% Impervious, Inflow Depth > 4.91" for 100-Year event
Inflow = 5.00 cfs @ 12.09 hrs, Volume= 0.346 af
Outflow = 5.00 cfs @ 12.09 hrs, Volume= 0.346 af, Atten= 0%, Lag= 0.0 min
Primary = 5.00 cfs @ 12.09 hrs, Volume= 0.346 af
Routed to Pond 56P : Inf. Basin 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.48' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.18'	**12.0" Round Culvert** L= 35.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.18' / 50.00' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.91 cfs @ 12.09 hrs HW=53.38' (Free Discharge)
1=Culvert (Inlet Controls 4.91 cfs @ 6.25 fps)

Pond 55P: DMH 16



Stage-Area-Storage for Pond 55P: DMH 16

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.18	**0.000**	52.83	0.000
50.23	0.000	52.88	0.000
50.28	0.000	52.93	0.000
50.33	0.000	52.98	0.000
50.38	0.000	53.03	0.000
50.43	0.000	53.08	0.000
50.48	0.000	53.13	0.000
50.53	0.000	53.18	0.000
50.58	0.000	53.23	0.000
50.63	0.000	53.28	0.000
50.68	0.000	53.33	0.000
50.73	0.000	53.38	0.000
50.78	0.000	53.43	0.000
50.83	0.000	53.48	0.000
50.88	0.000		
50.93	0.000		
50.98	0.000		
51.03	0.000		
51.08	0.000		
51.13	0.000		
51.18	0.000		
51.23	0.000		
51.28	0.000		
51.33	0.000		
51.38	0.000		
51.43	0.000		
51.48	0.000		
51.53	0.000		
51.58	0.000		
51.63	0.000		
51.68	0.000		
51.73	0.000		
51.78	0.000		
51.83	0.000		
51.88	0.000		
51.93	0.000		
51.98	0.000		
52.03	0.000		
52.08	0.000		
52.13	0.000		
52.18	0.000		
52.23	0.000		
52.28	0.000		
52.33	0.000		
52.38	0.000		
52.43	0.000		
52.48	0.000		
52.53	0.000		
52.58	0.000		
52.63	0.000		
52.68	0.000		
52.73	0.000		
52.78	0.000		

Summary for Pond 56P: Inf. Basin 4

Inflow Area = 1.385 ac, 33.76% Impervious, Inflow Depth > 3.54" for 100-Year event
Inflow = 5.32 cfs @ 12.10 hrs, Volume= 0.408 af
Outflow = 1.00 cfs @ 12.63 hrs, Volume= 0.408 af, Atten= 81%, Lag= 31.9 min
Discarded = 1.00 cfs @ 12.63 hrs, Volume= 0.408 af
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 59L : DP 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.66' @ 12.63 hrs Surf.Area= 3,482 sf Storage= 6,382 cf

Plug-Flow detention time= 69.9 min calculated for 0.406 af (100% of inflow)
Center-of-Mass det. time= 69.0 min (860.5 - 791.5)

Volume	Invert	Avail.Storage	Storage Description
#1	50.00'	11,770 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

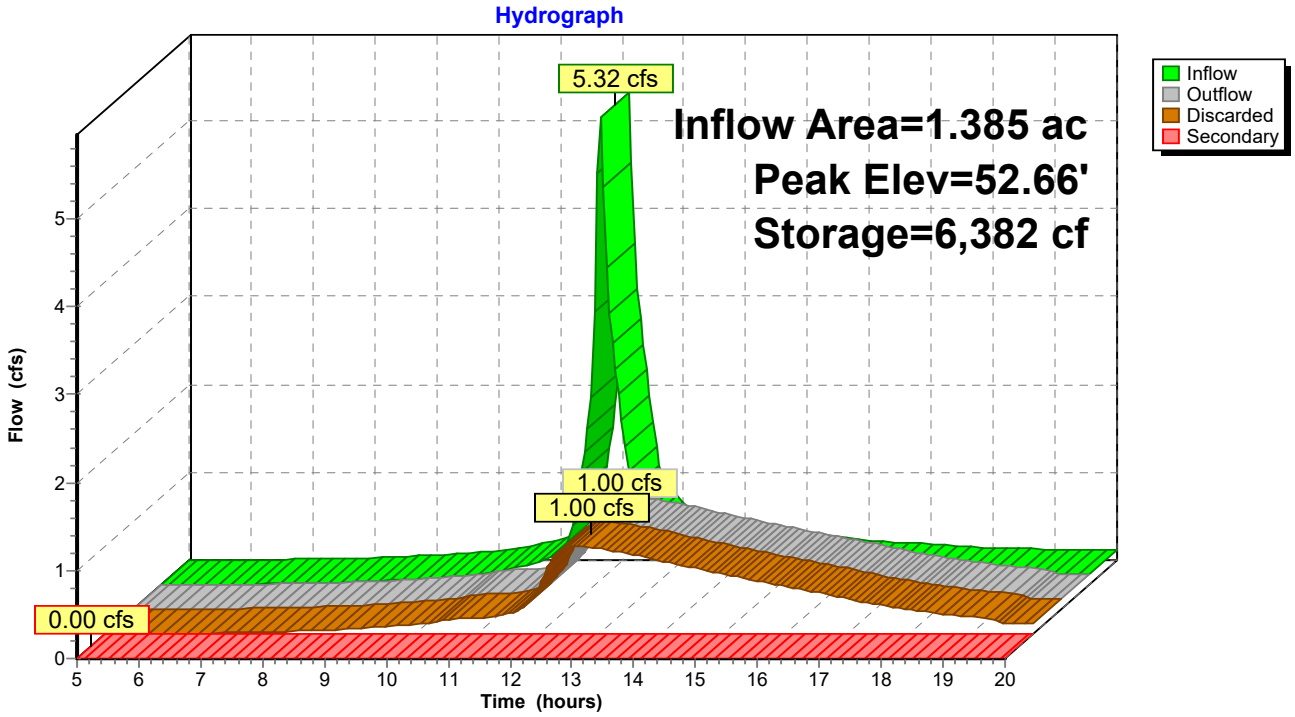
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
50.00	985	0	0
51.00	2,275	1,630	1,630
52.00	2,983	2,629	4,259
53.00	3,742	3,363	7,622
54.00	4,554	4,148	11,770

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.00'	**7.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 48.00'
#2	Secondary	53.50'	**6.0' long x 6.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83

Discarded OutFlow Max=1.00 cfs @ 12.63 hrs HW=52.66' (Free Discharge)
1=Exfiltration (Controls 1.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=50.00' (Free Discharge)
2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 56P: Inf. Basin 4



Stage-Area-Storage for Pond 56P: Inf. Basin 4

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
50.00	985	0
50.05	1,049	51
50.10	1,114	105
50.15	1,178	162
50.20	1,243	223
50.25	1,308	287
50.30	1,372	354
50.35	1,437	424
50.40	1,501	497
50.45	1,566	574
50.50	1,630	654
50.55	1,694	737
50.60	1,759	823
50.65	1,823	913
50.70	1,888	1,006
50.75	1,953	1,102
50.80	2,017	1,201
50.85	2,082	1,303
50.90	2,146	1,409
50.95	2,211	1,518
51.00	2,275	1,630
51.05	2,310	1,745
51.10	2,346	1,861
51.15	2,381	1,979
51.20	2,417	2,099
51.25	2,452	2,221
51.30	2,487	2,344
51.35	2,523	2,470
51.40	2,558	2,597
51.45	2,594	2,725
51.50	2,629	2,856
51.55	2,664	2,988
51.60	2,700	3,122
51.65	2,735	3,258
51.70	2,771	3,396
51.75	2,806	3,535
51.80	2,841	3,677
51.85	2,877	3,820
51.90	2,912	3,964
51.95	2,948	4,111
52.00	2,983	4,259
52.05	3,021	4,409
52.10	3,059	4,561
52.15	3,097	4,715
52.20	3,135	4,871
52.25	3,173	5,028
52.30	3,211	5,188
52.35	3,249	5,350
52.40	3,287	5,513
52.45	3,325	5,678
52.50	3,363	5,845
52.55	3,400	6,014
52.60	3,438	6,185
52.65	3,476	6,358
52.70	3,514	6,533
52.75	3,552	6,710
52.80	3,590	6,888
52.85	3,628	7,069
52.90	3,666	7,251
52.95	3,704	7,435
53.00	3,742	7,622
53.05	3,783	7,810
53.10	3,823	8,000
53.15	3,864	8,192
53.20	3,904	8,386
53.25	3,945	8,582
53.30	3,986	8,781
53.35	4,026	8,981
53.40	4,067	9,183
53.45	4,107	9,388
53.50	4,148	9,594
53.55	4,189	9,802
53.60	4,229	10,013
53.65	4,270	10,225
53.70	4,310	10,440
53.75	4,351	10,656
53.80	4,392	10,875
53.85	4,432	11,096
53.90	4,473	11,318
53.95	4,513	11,543
54.00	**4,554**	**11,770**

Summary for Pond 60P: Sub. Det. 1

Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 7.32" for 100-Year event
Inflow = 16.42 cfs @ 12.09 hrs, Volume= 1.217 af
Outflow = 11.05 cfs @ 12.18 hrs, Volume= 1.128 af, Atten= 33%, Lag= 5.5 min
Primary = 11.05 cfs @ 12.18 hrs, Volume= 1.128 af
Routed to Pond 187P : Constructed Wetland 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.46' @ 12.18 hrs Surf.Area= 0.094 ac Storage= 0.201 af

Plug-Flow detention time= 53.7 min calculated for 1.124 af (92% of inflow)
Center-of-Mass det. time= 27.7 min (774.8 - 747.0)

Volume	Invert	Avail.Storage	Storage Description
#1A	60.00'	0.083 af	**39.50'W x 103.30'L x 3.50'H Field A** 0.328 af Overall - 0.119 af Embedded = 0.209 af x 40.0% Voids
#2A	60.50'	0.119 af	**ADS_StormTech SC-740 b +Cap** x 112 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 112 Chambers in 8 Rows Cap Storage= 2.7 cf x 2 x 8 rows = 42.5 cf
		0.203 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**18.0" Round Culvert** L= 29.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 56.00' S= 0.1379 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	60.50'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	61.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=10.98 cfs @ 12.18 hrs HW=63.42' (Free Discharge)
└**1=Culvert** (Inlet Controls 10.98 cfs @ 6.22 fps)
  ├**2=Orifice/Grate** (Passes < 0.04 cfs potential flow)
  └**3=Sharp-Crested Rectangular Weir** (Passes < 35.01 cfs potential flow)

Pond 60P: Sub. Det. 1 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 8 rows = 42.5 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

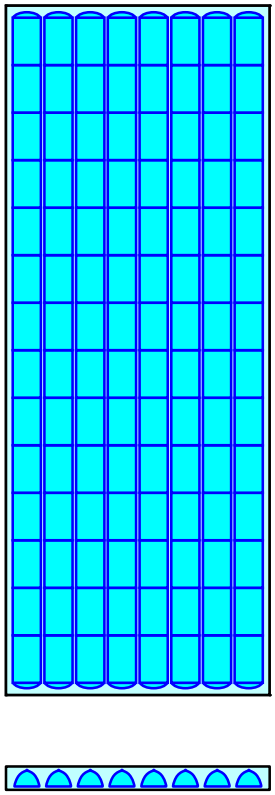
14 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 101.30' Row Length +12.0" End Stone x 2 = 103.30' Base Length
8 Rows x 51.0" Wide + 6.0" Spacing x 7 + 12.0" Side Stone x 2 = 39.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

112 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 8 Rows = 5,187.8 cf Chamber Storage

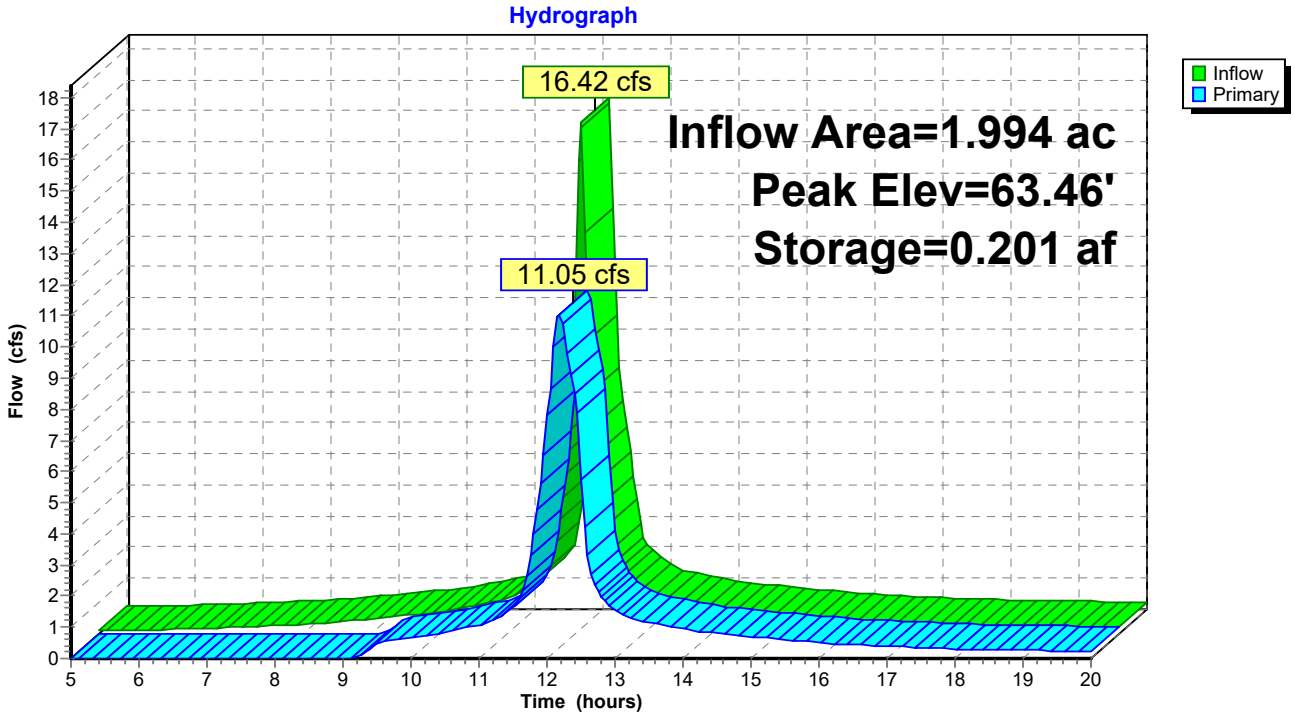
14,280.8 cf Field - 5,187.8 cf Chambers = 9,093.0 cf Stone x 40.0% Voids = 3,637.2 cf Stone Storage

Chamber Storage + Stone Storage = 8,825.0 cf = 0.203 af
Overall Storage Efficiency = 61.8%
Overall System Size = 103.30' x 39.50' x 3.50'

112 Chambers
528.9 cy Field
336.8 cy Stone



Pond 60P: Sub. Det. 1



Stage-Area-Storage for Pond 60P: Sub. Det. 1

Elevation (feet)	Storage (acre-feet)
60.00	0.000
60.05	0.002
60.10	0.004
60.15	0.006
60.20	0.007
60.25	0.009
60.30	0.011
60.35	0.013
60.40	0.015
60.45	0.017
60.50	0.019
60.55	0.023
60.60	0.027
60.65	0.031
60.70	0.034
60.75	0.038
60.80	0.042
60.85	0.046
60.90	0.050
60.95	0.054
61.00	0.058
61.05	0.061
61.10	0.065
61.15	0.069
61.20	0.073
61.25	0.077
61.30	0.080
61.35	0.084
61.40	0.088
61.45	0.091
61.50	0.095
61.55	0.099
61.60	0.102
61.65	0.106
61.70	0.109
61.75	0.113
61.80	0.116
61.85	0.120
61.90	0.123
61.95	0.126
62.00	0.130
62.05	0.133
62.10	0.136
62.15	0.140
62.20	0.143
62.25	0.146
62.30	0.149
62.35	0.152
62.40	0.155
62.45	0.158
62.50	0.161
62.55	0.163
62.60	0.166
62.65	0.169
62.70	0.171
62.75	0.174
62.80	0.176
62.85	0.178
62.90	0.180
62.95	0.182
63.00	0.184
63.05	0.186
63.10	0.188
63.15	0.189
63.20	0.191
63.25	0.193
63.30	0.195
63.35	0.197
63.40	0.199
63.45	0.201
63.50	**0.203**

Summary for Pond 61P: CB 8

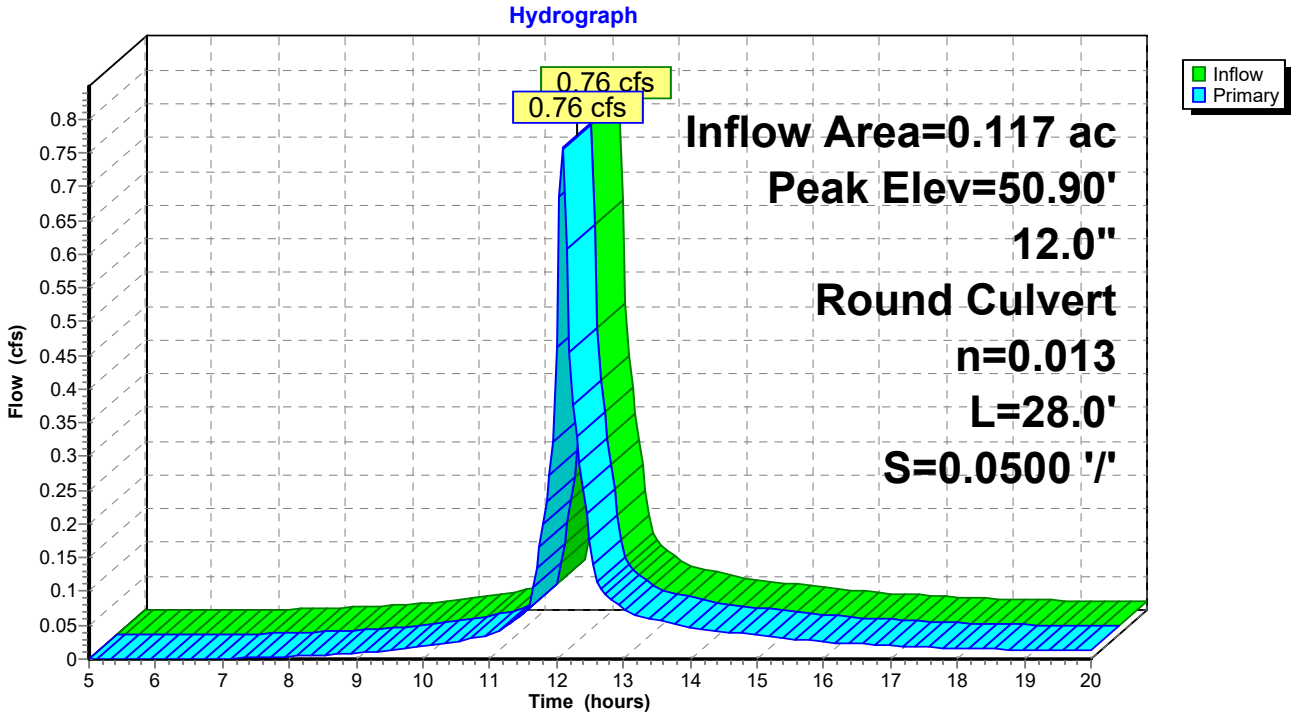
Inflow Area = 0.117 ac, 57.03% Impervious, Inflow Depth > 5.30" for 100-Year event
Inflow = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af
Outflow = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af, Atten= 0%, Lag= 0.0 min
Primary = 0.76 cfs @ 12.09 hrs, Volume= 0.052 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.40'	**12.0" Round Culvert** L= 28.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.40' / 49.00' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.74 cfs @ 12.09 hrs HW=50.90' (Free Discharge)
1=Culvert (Inlet Controls 0.74 cfs @ 1.90 fps)

Pond 61P: CB 8



Stage-Area-Storage for Pond 61P: CB 8

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.40	**0.000**	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000		
50.89	0.000		
50.90	0.000		
50.91	0.000		
50.92	0.000		

Summary for Pond 62P: CB 66

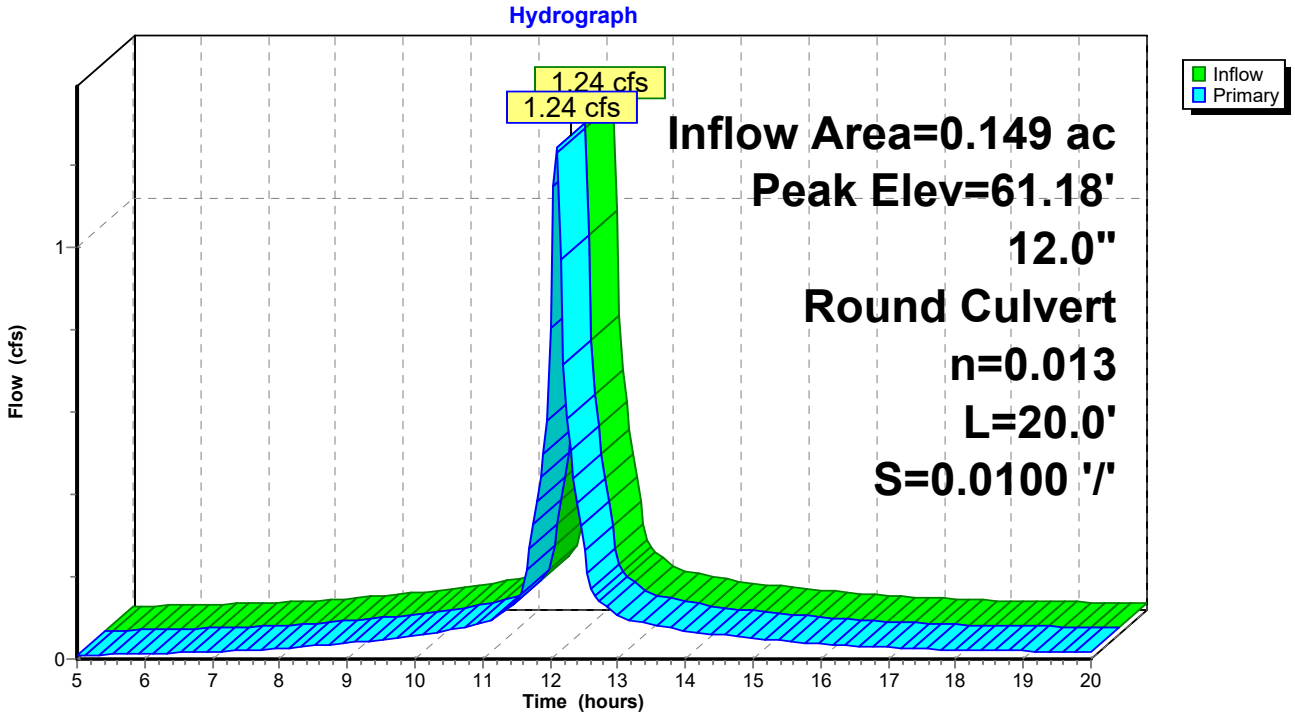
Inflow Area = 0.149 ac, 73.97% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 1.24 cfs @ 12.09 hrs, Volume= 0.093 af
Outflow = 1.24 cfs @ 12.09 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 12.09 hrs, Volume= 0.093 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.18' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.50'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.50' / 60.30' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.21 cfs @ 12.09 hrs HW=61.17' (Free Discharge)
1=Culvert (Barrel Controls 1.21 cfs @ 3.06 fps)

Pond 62P: CB 66



Stage-Area-Storage for Pond 62P: CB 66

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.50	**0.000**	61.03	0.000
60.51	0.000	61.04	0.000
60.52	0.000	61.05	0.000
60.53	0.000	61.06	0.000
60.54	0.000	61.07	0.000
60.55	0.000	61.08	0.000
60.56	0.000	61.09	0.000
60.57	0.000	61.10	0.000
60.58	0.000	61.11	0.000
60.59	0.000	61.12	0.000
60.60	0.000	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000		
60.99	0.000		
61.00	0.000		
61.01	0.000		
61.02	0.000		

Summary for Pond 63P: CB 67

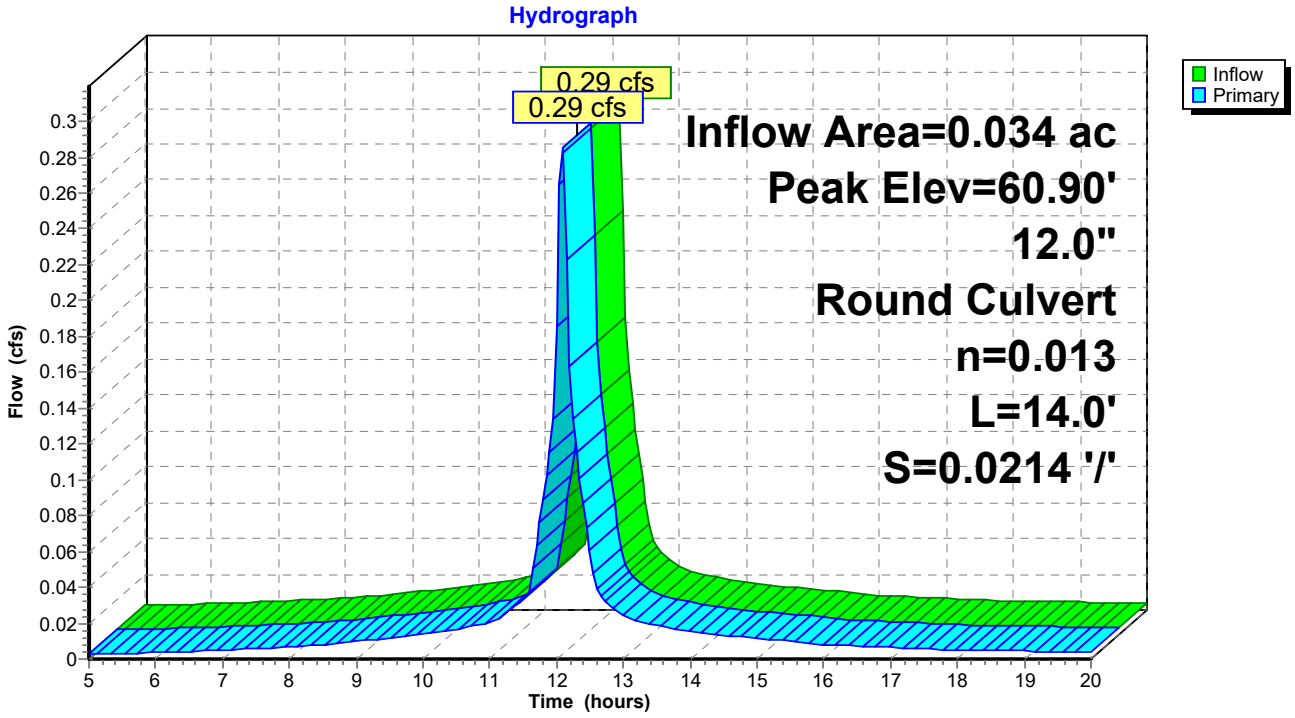
Inflow Area = 0.034 ac, 87.02% Impervious, Inflow Depth > 7.78" for 100-Year event
Inflow = 0.29 cfs @ 12.09 hrs, Volume= 0.022 af
Outflow = 0.29 cfs @ 12.09 hrs, Volume= 0.022 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.09 hrs, Volume= 0.022 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.60'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.60' / 60.30' S= 0.0214 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.09 hrs HW=60.89' (Free Discharge)
1=Culvert (Inlet Controls 0.28 cfs @ 1.45 fps)

Pond 63P: CB 67



Stage-Area-Storage for Pond 63P: CB 67

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.60	**0.000**	61.13	0.000
60.61	0.000	61.14	0.000
60.62	0.000	61.15	0.000
60.63	0.000	61.16	0.000
60.64	0.000	61.17	0.000
60.65	0.000	61.18	0.000
60.66	0.000	61.19	0.000
60.67	0.000	61.20	0.000
60.68	0.000	61.21	0.000
60.69	0.000	61.22	0.000
60.70	0.000	61.23	0.000
60.71	0.000	61.24	0.000
60.72	0.000	61.25	0.000
60.73	0.000	61.26	0.000
60.74	0.000	61.27	0.000
60.75	0.000	61.28	0.000
60.76	0.000	61.29	0.000
60.77	0.000	61.30	0.000
60.78	0.000	61.31	0.000
60.79	0.000	61.32	0.000
60.80	0.000	61.33	0.000
60.81	0.000	61.34	0.000
60.82	0.000	61.35	0.000
60.83	0.000	61.36	0.000
60.84	0.000	61.37	0.000
60.85	0.000	61.38	0.000
60.86	0.000	61.39	0.000
60.87	0.000	61.40	0.000
60.88	0.000	61.41	0.000
60.89	0.000	61.42	0.000
60.90	0.000	61.43	0.000
60.91	0.000	61.44	0.000
60.92	0.000	61.45	0.000
60.93	0.000	61.46	0.000
60.94	0.000	61.47	0.000
60.95	0.000	61.48	0.000
60.96	0.000	61.49	0.000
60.97	0.000	61.50	0.000
60.98	0.000	61.51	0.000
60.99	0.000	61.52	0.000
61.00	0.000	61.53	0.000
61.01	0.000	61.54	0.000
61.02	0.000	61.55	0.000
61.03	0.000	61.56	0.000
61.04	0.000	61.57	0.000
61.05	0.000	61.58	0.000
61.06	0.000	61.59	0.000
61.07	0.000	61.60	0.000
61.08	0.000		
61.09	0.000		
61.10	0.000		
61.11	0.000		
61.12	0.000		

Summary for Pond 64P: DMH 47

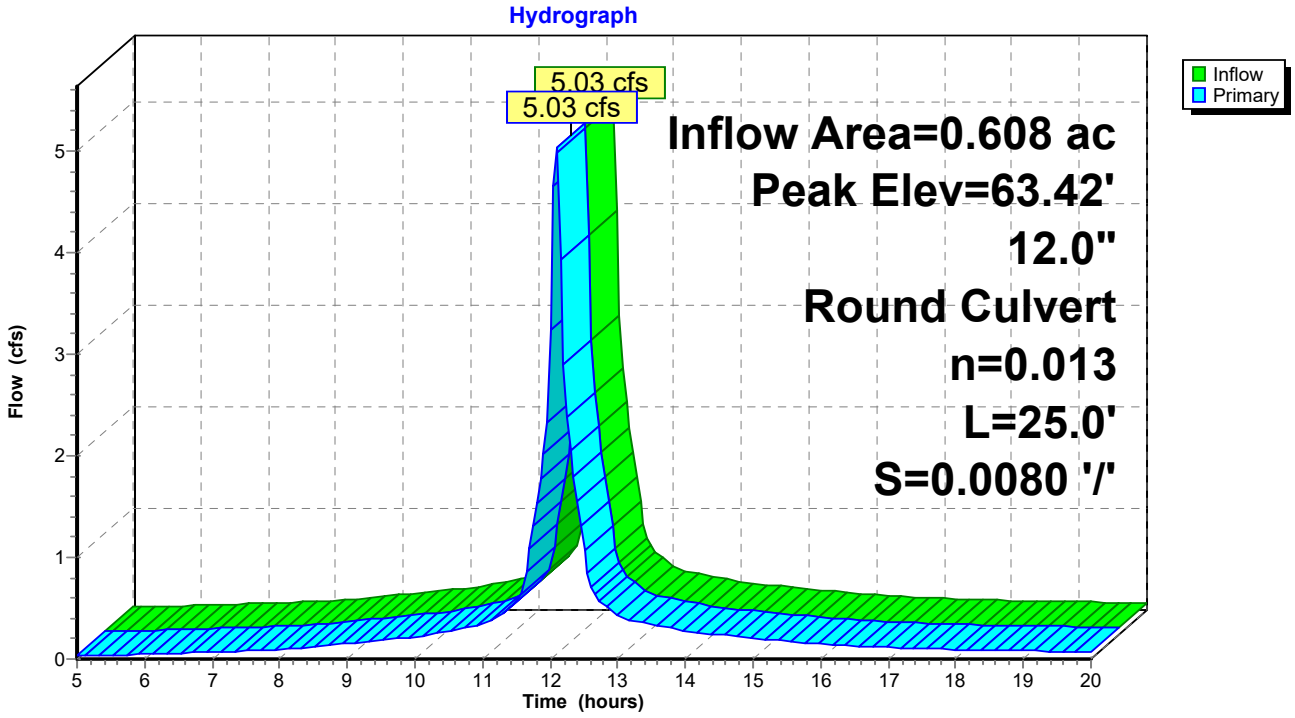
Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 5.03 cfs @ 12.09 hrs, Volume= 0.374 af
Outflow = 5.03 cfs @ 12.09 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 5.03 cfs @ 12.09 hrs, Volume= 0.374 af
Routed to Pond 207P : DMH 48

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.42' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.10'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.10' / 59.90' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.90 cfs @ 12.09 hrs HW=63.29' (Free Discharge)
1=Culvert (Inlet Controls 4.90 cfs @ 6.23 fps)

Pond 64P: DMH 47



Stage-Area-Storage for Pond 64P: DMH 47

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.10	**0.000**	62.75	0.000
60.15	0.000	62.80	0.000
60.20	0.000	62.85	0.000
60.25	0.000	62.90	0.000
60.30	0.000	62.95	0.000
60.35	0.000	63.00	0.000
60.40	0.000	63.05	0.000
60.45	0.000	63.10	0.000
60.50	0.000	63.15	0.000
60.55	0.000	63.20	0.000
60.60	0.000	63.25	0.000
60.65	0.000	63.30	0.000
60.70	0.000	63.35	0.000
60.75	0.000	63.40	0.000
60.80	0.000		
60.85	0.000		
60.90	0.000		
60.95	0.000		
61.00	0.000		
61.05	0.000		
61.10	0.000		
61.15	0.000		
61.20	0.000		
61.25	0.000		
61.30	0.000		
61.35	0.000		
61.40	0.000		
61.45	0.000		
61.50	0.000		
61.55	0.000		
61.60	0.000		
61.65	0.000		
61.70	0.000		
61.75	0.000		
61.80	0.000		
61.85	0.000		
61.90	0.000		
61.95	0.000		
62.00	0.000		
62.05	0.000		
62.10	0.000		
62.15	0.000		
62.20	0.000		
62.25	0.000		
62.30	0.000		
62.35	0.000		
62.40	0.000		
62.45	0.000		
62.50	0.000		
62.55	0.000		
62.60	0.000		
62.65	0.000		
62.70	0.000		

Summary for Pond 65P: DMH 49

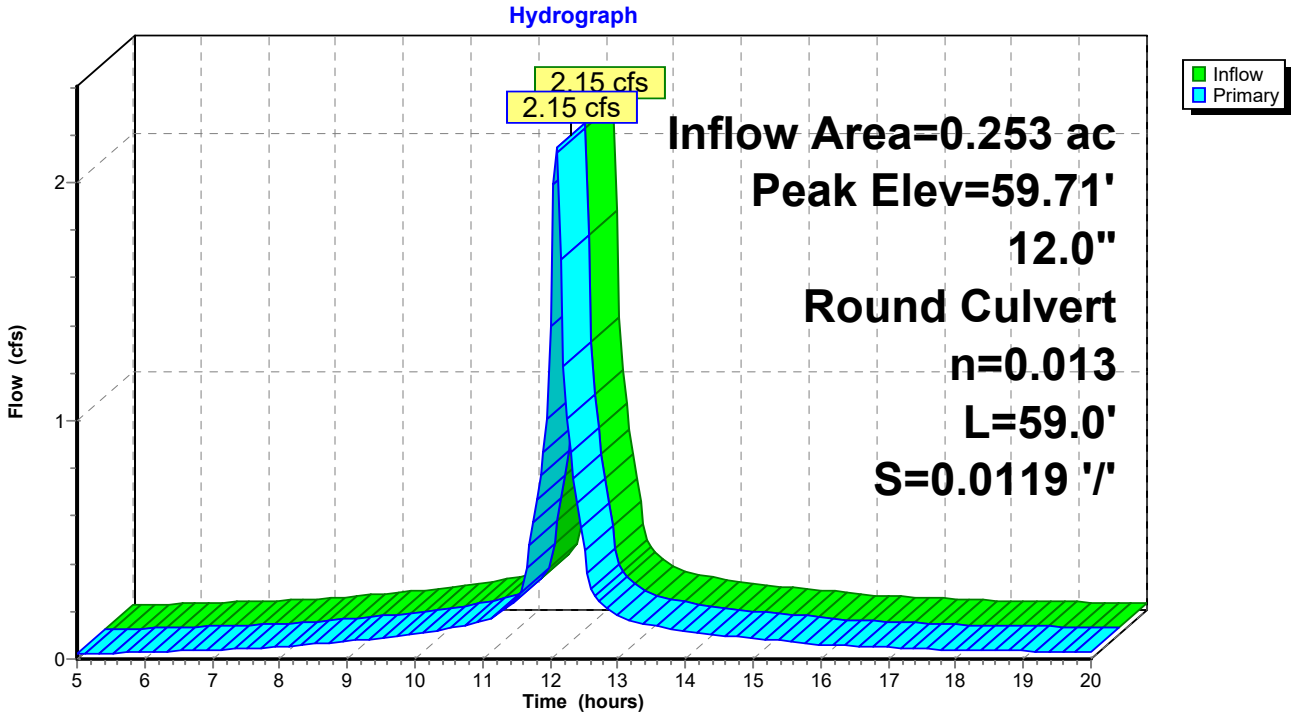
Inflow Area = 0.253 ac, 88.87% Impervious, Inflow Depth > 7.80" for 100-Year event
Inflow = 2.15 cfs @ 12.09 hrs, Volume= 0.164 af
Outflow = 2.15 cfs @ 12.09 hrs, Volume= 0.164 af, Atten= 0%, Lag= 0.0 min
Primary = 2.15 cfs @ 12.09 hrs, Volume= 0.164 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.71' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.70'	**12.0" Round Culvert** L= 59.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.70' / 58.00' S= 0.0119 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.10 cfs @ 12.09 hrs HW=59.69' (Free Discharge)
1=Culvert (Inlet Controls 2.10 cfs @ 2.67 fps)

Pond 65P: DMH 49



Stage-Area-Storage for Pond 65P: DMH 49

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.70	**0.000**	59.23	0.000
58.71	0.000	59.24	0.000
58.72	0.000	59.25	0.000
58.73	0.000	59.26	0.000
58.74	0.000	59.27	0.000
58.75	0.000	59.28	0.000
58.76	0.000	59.29	0.000
58.77	0.000	59.30	0.000
58.78	0.000	59.31	0.000
58.79	0.000	59.32	0.000
58.80	0.000	59.33	0.000
58.81	0.000	59.34	0.000
58.82	0.000	59.35	0.000
58.83	0.000	59.36	0.000
58.84	0.000	59.37	0.000
58.85	0.000	59.38	0.000
58.86	0.000	59.39	0.000
58.87	0.000	59.40	0.000
58.88	0.000	59.41	0.000
58.89	0.000	59.42	0.000
58.90	0.000	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000	59.71	0.000
59.19	0.000		
59.20	0.000		
59.21	0.000		
59.22	0.000		

Summary for Pond 66P: CB 68

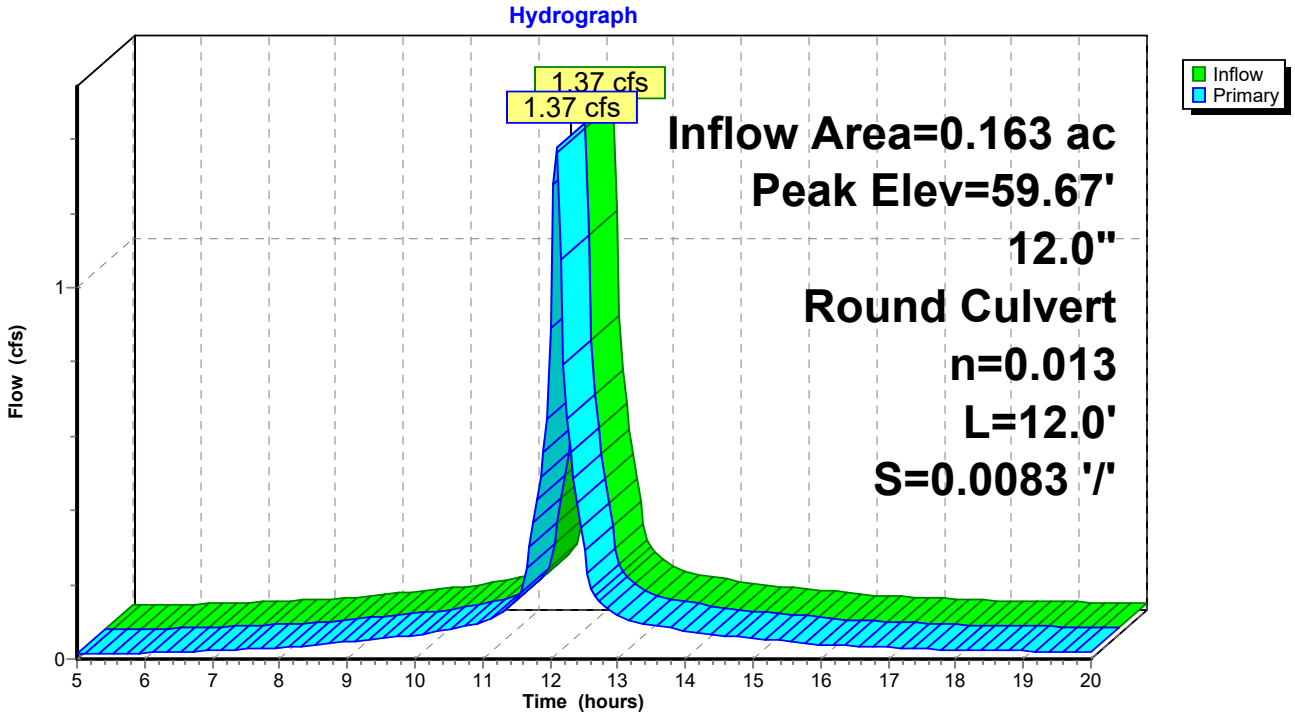
Inflow Area = 0.163 ac, 82.69% Impervious, Inflow Depth > 7.69" for 100-Year event
Inflow = 1.37 cfs @ 12.09 hrs, Volume= 0.104 af
Outflow = 1.37 cfs @ 12.09 hrs, Volume= 0.104 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.09 hrs, Volume= 0.104 af
Routed to Pond 65P : DMH 49

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.67' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.90'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.90' / 58.80' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.34 cfs @ 12.09 hrs HW=59.66' (Free Discharge)
1=Culvert (Barrel Controls 1.34 cfs @ 2.89 fps)

Pond 66P: CB 68



Stage-Area-Storage for Pond 66P: CB 68

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.90	**0.000**	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000	59.71	0.000
59.19	0.000	59.72	0.000
59.20	0.000	59.73	0.000
59.21	0.000	59.74	0.000
59.22	0.000	59.75	0.000
59.23	0.000	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000		
59.39	0.000		
59.40	0.000		
59.41	0.000		
59.42	0.000		

Summary for Pond 67P: CB 69

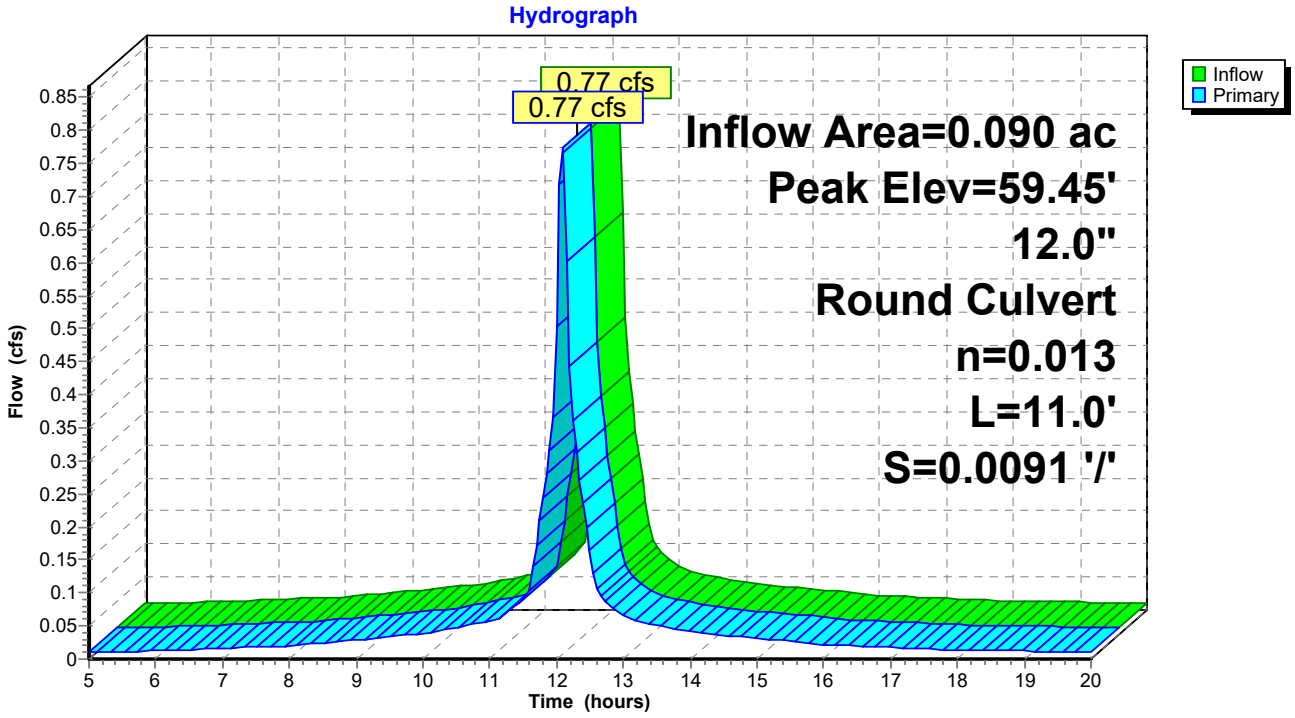
Inflow Area = 0.090 ac,100.00% Impervious, Inflow Depth > 8.00" for 100-Year event
Inflow = 0.77 cfs @ 12.09 hrs, Volume= 0.060 af
Outflow = 0.77 cfs @ 12.09 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.77 cfs @ 12.09 hrs, Volume= 0.060 af
Routed to Pond 65P : DMH 49

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.45' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.90'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.90' / 58.80' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.75 cfs @ 12.09 hrs HW=59.44' (Free Discharge)
1=Culvert (Barrel Controls 0.75 cfs @ 2.55 fps)

Pond 67P: CB 69



Stage-Area-Storage for Pond 67P: CB 69

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.90	**0.000**	59.43	0.000
58.91	0.000	59.44	0.000
58.92	0.000	59.45	0.000
58.93	0.000	59.46	0.000
58.94	0.000	59.47	0.000
58.95	0.000	59.48	0.000
58.96	0.000	59.49	0.000
58.97	0.000	59.50	0.000
58.98	0.000	59.51	0.000
58.99	0.000	59.52	0.000
59.00	0.000	59.53	0.000
59.01	0.000	59.54	0.000
59.02	0.000	59.55	0.000
59.03	0.000	59.56	0.000
59.04	0.000	59.57	0.000
59.05	0.000	59.58	0.000
59.06	0.000	59.59	0.000
59.07	0.000	59.60	0.000
59.08	0.000	59.61	0.000
59.09	0.000	59.62	0.000
59.10	0.000	59.63	0.000
59.11	0.000	59.64	0.000
59.12	0.000	59.65	0.000
59.13	0.000	59.66	0.000
59.14	0.000	59.67	0.000
59.15	0.000	59.68	0.000
59.16	0.000	59.69	0.000
59.17	0.000	59.70	0.000
59.18	0.000	59.71	0.000
59.19	0.000	59.72	0.000
59.20	0.000	59.73	0.000
59.21	0.000	59.74	0.000
59.22	0.000	59.75	0.000
59.23	0.000	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000		
59.39	0.000		
59.40	0.000		
59.41	0.000		
59.42	0.000		

Summary for Pond 68P: Sub. Inf. 5

Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 5.03 cfs @ 12.09 hrs, Volume= 0.374 af
Outflow = 4.14 cfs @ 12.14 hrs, Volume= 0.335 af, Atten= 18%, Lag= 3.5 min
Discarded = 0.07 cfs @ 12.14 hrs, Volume= 0.072 af
Primary = 4.07 cfs @ 12.14 hrs, Volume= 0.263 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.65' @ 12.14 hrs Surf.Area= 0.042 ac Storage= 0.054 af

Plug-Flow detention time= 57.1 min calculated for 0.335 af (90% of inflow)
Center-of-Mass det. time= 22.3 min (768.4 - 746.1)

Volume	Invert	Avail.Storage	Storage Description
#1A	59.30'	0.030 af	**24.83'W x 74.40'L x 2.33'H Field A** 0.099 af Overall - 0.024 af Embedded = 0.075 af x 40.0% Voids
#2A	59.80'	0.024 af	**ADS_StormTech SC-310 +Cap** x 70 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 70 Chambers in 7 Rows
		0.054 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	59.30'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 56.00'
#2	Primary	59.30'	**12.0" Round Culvert** L= 71.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.30' / 57.00' S= 0.0324 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	60.80'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.07 cfs @ 12.14 hrs HW=61.64' (Free Discharge)
└**1=Exfiltration** (Controls 0.07 cfs)

Primary OutFlow Max=4.05 cfs @ 12.14 hrs HW=61.64' (Free Discharge)
└**2=Culvert** (Inlet Controls 4.05 cfs @ 5.16 fps)
└**3=Sharp-Crested Vee/Trap Weir** (Passes 4.05 cfs of 10.09 cfs potential flow)

Pond 68P: Sub. Inf. 5 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-310 +Cap (ADS StormTech® SC-310 with cap length)
Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf
Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap

34.0" Wide + 6.0" Spacing = 40.0" C-C Row Spacing

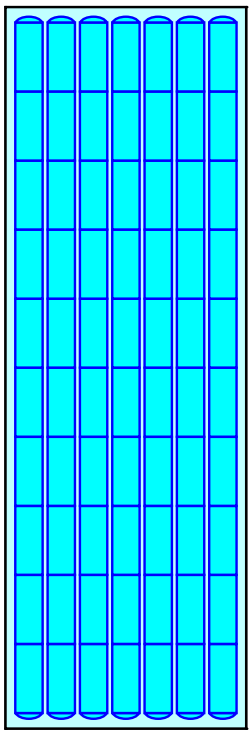
10 Chambers/Row x 7.12' Long +0.60' Cap Length x 2 = 72.40' Row Length +12.0" End Stone x 2 = 74.40' Base Length
7 Rows x 34.0" Wide + 6.0" Spacing x 6 + 12.0" Side Stone x 2 = 24.83' Base Width
6.0" Stone Base + 16.0" Chamber Height + 6.0" Stone Cover = 2.33' Field Height

70 Chambers x 14.7 cf = 1,031.9 cf Chamber Storage

4,311.1 cf Field - 1,031.9 cf Chambers = 3,279.1 cf Stone x 40.0% Voids = 1,311.7 cf Stone Storage

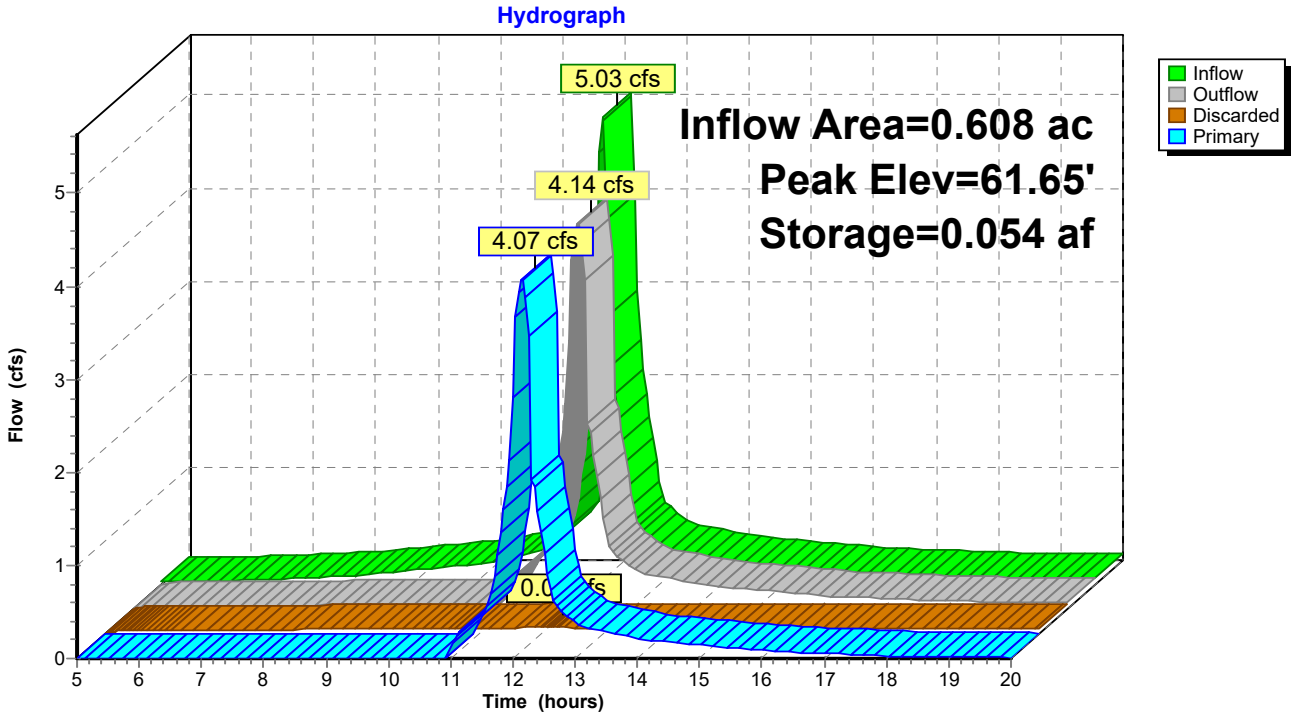
Chamber Storage + Stone Storage = 2,343.6 cf = 0.054 af
Overall Storage Efficiency = 54.4%
Overall System Size = 74.40' x 24.83' x 2.33'

70 Chambers
159.7 cy Field
121.4 cy Stone





Pond 68P: Sub. Inf. 5



Stage-Area-Storage for Pond 68P: Sub. Inf. 5

Elevation (feet)	Surface (acres)	Storage (acre-feet)
59.30	**0.042**	0.000
59.35	0.042	0.001
59.40	0.042	0.002
59.45	0.042	0.003
59.50	0.042	0.003
59.55	0.042	0.004
59.60	0.042	0.005
59.65	0.042	0.006
59.70	0.042	0.007
59.75	0.042	0.008
59.80	0.042	0.008
59.85	0.042	0.010
59.90	0.042	0.012
59.95	0.042	0.013
60.00	0.042	0.015
60.05	0.042	0.017
60.10	0.042	0.018
60.15	0.042	0.020
60.20	0.042	0.022
60.25	0.042	0.023
60.30	0.042	0.025
60.35	0.042	0.026
60.40	0.042	0.028
60.45	0.042	0.029
60.50	0.042	0.031
60.55	0.042	0.032
60.60	0.042	0.033
60.65	0.042	0.035
60.70	0.042	0.036
60.75	0.042	0.037
60.80	0.042	0.039
60.85	0.042	0.040
60.90	0.042	0.041
60.95	0.042	0.042
61.00	0.042	0.043
61.05	0.042	0.044
61.10	0.042	0.045
61.15	0.042	0.046
61.20	0.042	0.046
61.25	0.042	0.047
61.30	0.042	0.048
61.35	0.042	0.049
61.40	0.042	0.050
61.45	0.042	0.051
61.50	0.042	0.052
61.55	0.042	0.052
61.60	0.042	**0.053**
61.65	0.042	**0.054**

Summary for Pond 69P: CB 72

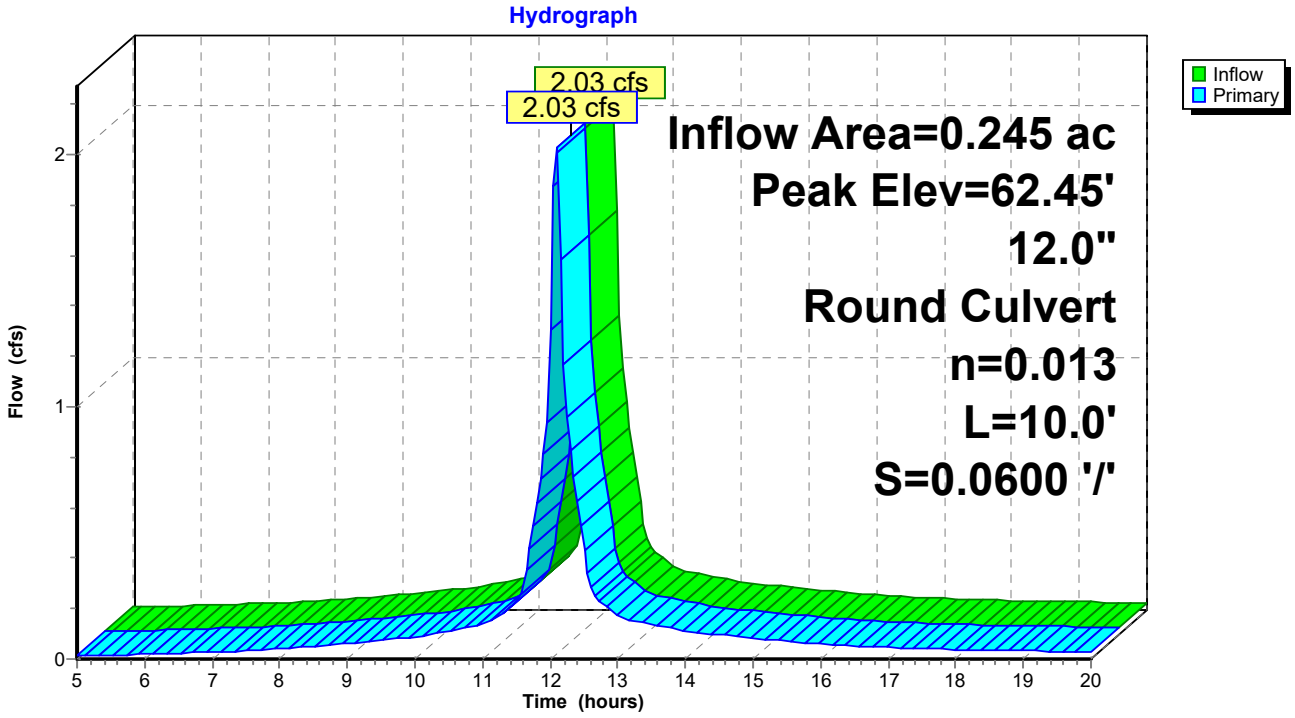
Inflow Area = 0.245 ac, 72.86% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 2.03 cfs @ 12.09 hrs, Volume= 0.151 af
Outflow = 2.03 cfs @ 12.09 hrs, Volume= 0.151 af, Atten= 0%, Lag= 0.0 min
Primary = 2.03 cfs @ 12.09 hrs, Volume= 0.151 af
Routed to Pond 71P : DMH 54

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.45' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.50' / 60.90' S= 0.0600 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.98 cfs @ 12.09 hrs HW=62.43' (Free Discharge)
1=Culvert (Inlet Controls 1.98 cfs @ 2.60 fps)

Pond 69P: CB 72



Stage-Area-Storage for Pond 69P: CB 72

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.50	**0.000**	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000		
61.99	0.000		
62.00	0.000		
62.01	0.000		
62.02	0.000		

Summary for Pond 70P: CB 73

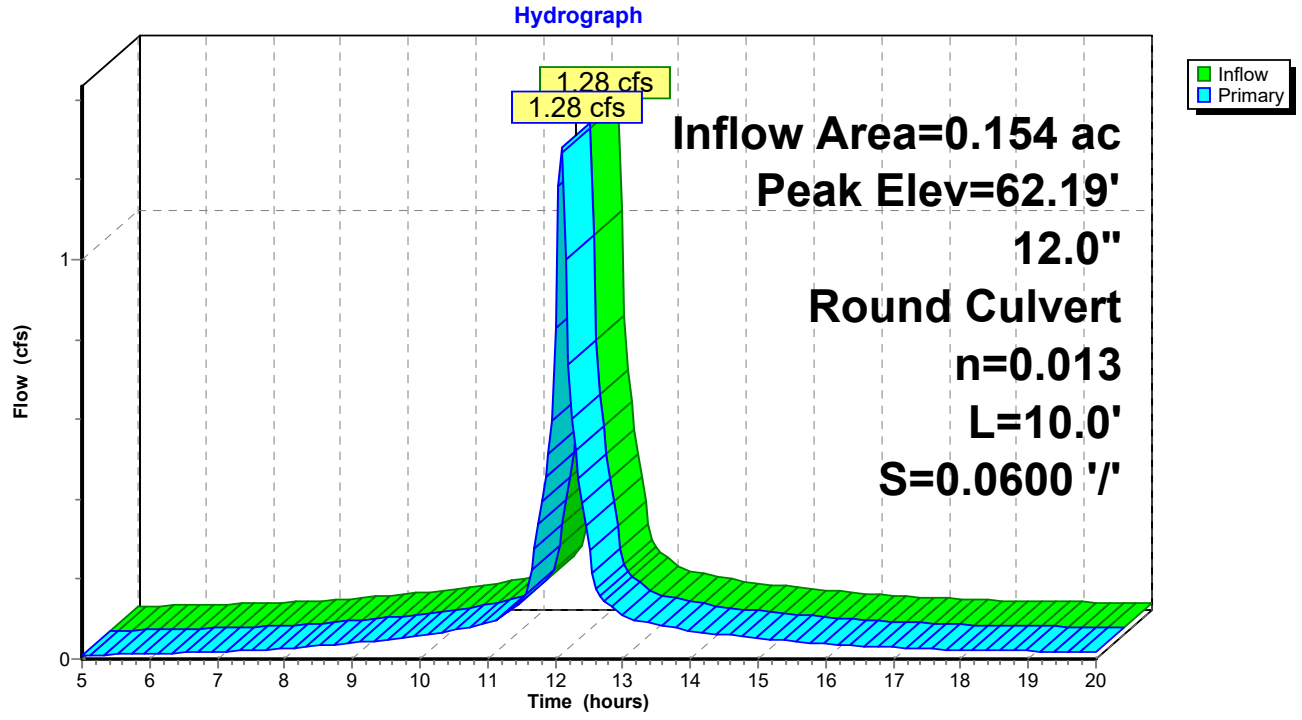
Inflow Area = 0.154 ac, 76.98% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 1.28 cfs @ 12.09 hrs, Volume= 0.096 af
Outflow = 1.28 cfs @ 12.09 hrs, Volume= 0.096 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.09 hrs, Volume= 0.096 af
Routed to Pond 71P : DMH 54

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.50' / 60.90' S= 0.0600 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.25 cfs @ 12.09 hrs HW=62.18' (Free Discharge)
1=Culvert (Inlet Controls 1.25 cfs @ 2.21 fps)

Pond 70P: CB 73



Stage-Area-Storage for Pond 70P: CB 73

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.50	**0.000**	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000		
61.99	0.000		
62.00	0.000		
62.01	0.000		
62.02	0.000		

Summary for Pond 71P: DMH 54

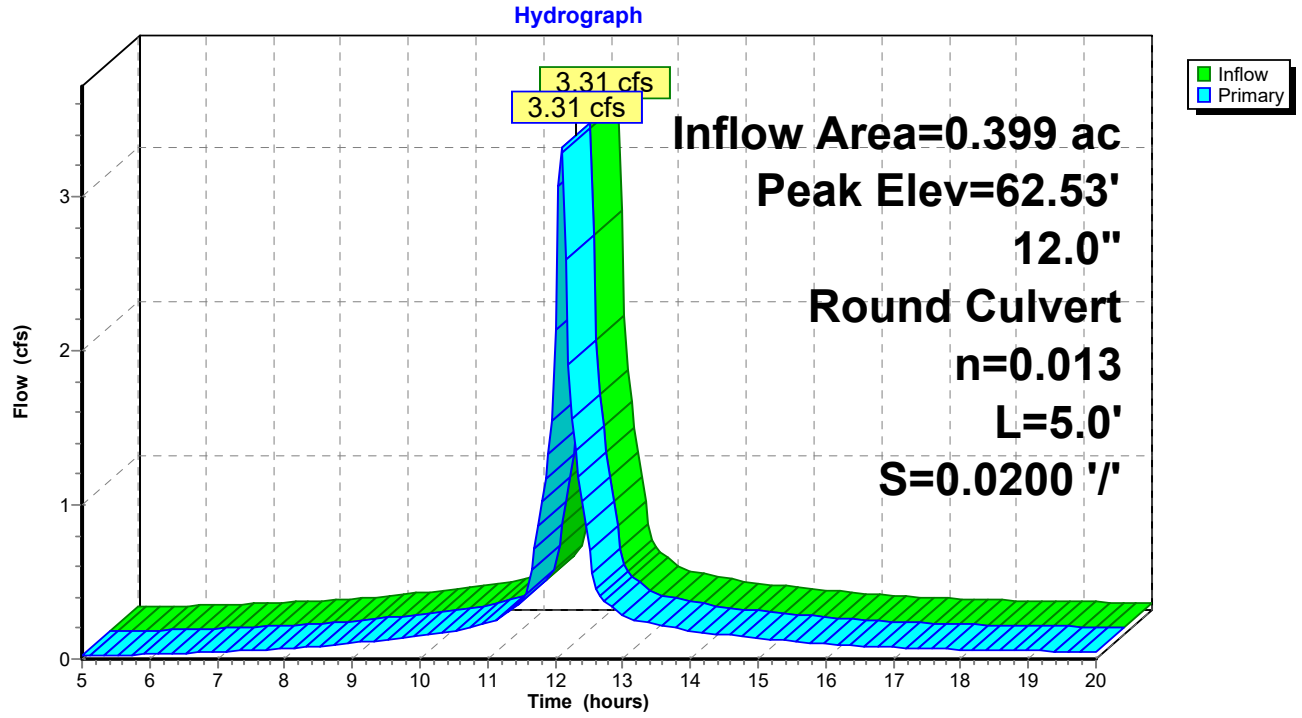
Inflow Area = 0.399 ac, 74.45% Impervious, Inflow Depth > 7.44" for 100-Year event
Inflow = 3.31 cfs @ 12.09 hrs, Volume= 0.247 af
Outflow = 3.31 cfs @ 12.09 hrs, Volume= 0.247 af, Atten= 0%, Lag= 0.0 min
Primary = 3.31 cfs @ 12.09 hrs, Volume= 0.247 af
Routed to Pond 72P : Sub. Inf. 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.53' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 60.70' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.23 cfs @ 12.09 hrs HW=62.47' (Free Discharge)
1=Culvert (Inlet Controls 3.23 cfs @ 4.11 fps)

Pond 71P: DMH 54



Stage-Area-Storage for Pond 71P: DMH 54

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.86	0.000
60.82	0.000	61.88	0.000
60.84	0.000	61.90	0.000
60.86	0.000	61.92	0.000
60.88	0.000	61.94	0.000
60.90	0.000	61.96	0.000
60.92	0.000	61.98	0.000
60.94	0.000	62.00	0.000
60.96	0.000	62.02	0.000
60.98	0.000	62.04	0.000
61.00	0.000	62.06	0.000
61.02	0.000	62.08	0.000
61.04	0.000	62.10	0.000
61.06	0.000	62.12	0.000
61.08	0.000	62.14	0.000
61.10	0.000	62.16	0.000
61.12	0.000	62.18	0.000
61.14	0.000	62.20	0.000
61.16	0.000	62.22	0.000
61.18	0.000	62.24	0.000
61.20	0.000	62.26	0.000
61.22	0.000	62.28	0.000
61.24	0.000	62.30	0.000
61.26	0.000	62.32	0.000
61.28	0.000	62.34	0.000
61.30	0.000	62.36	0.000
61.32	0.000	62.38	0.000
61.34	0.000	62.40	0.000
61.36	0.000	62.42	0.000
61.38	0.000	62.44	0.000
61.40	0.000	62.46	0.000
61.42	0.000	62.48	0.000
61.44	0.000	62.50	0.000
61.46	0.000		
61.48	0.000		
61.50	0.000		
61.52	0.000		
61.54	0.000		
61.56	0.000		
61.58	0.000		
61.60	0.000		
61.62	0.000		
61.64	0.000		
61.66	0.000		
61.68	0.000		
61.70	0.000		
61.72	0.000		
61.74	0.000		
61.76	0.000		
61.78	0.000		
61.80	0.000		
61.82	0.000		
61.84	0.000		

Summary for Pond 72P: Sub. Inf. 7

Inflow Area = 0.399 ac, 74.45% Impervious, Inflow Depth > 7.44" for 100-Year event
Inflow = 3.31 cfs @ 12.09 hrs, Volume= 0.247 af
Outflow = 3.28 cfs @ 12.10 hrs, Volume= 0.221 af, Atten= 1%, Lag= 1.0 min
Discarded = 0.07 cfs @ 12.10 hrs, Volume= 0.063 af
Primary = 3.21 cfs @ 12.10 hrs, Volume= 0.158 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.45' @ 12.10 hrs Surf.Area= 0.034 ac Storage= 0.042 af

Plug-Flow detention time= 61.2 min calculated for 0.220 af (89% of inflow)
Center-of-Mass det. time= 26.4 min (771.4 - 744.9)

Volume	Invert	Avail.Storage	Storage Description
#1A	60.20'	0.024 af	**38.17'W x 38.80'L x 2.33'H Field A** 0.079 af Overall - 0.019 af Embedded = 0.061 af x 40.0% Voids
#2A	60.70'	0.019 af	**ADS_StormTech SC-310 +Cap** x 55 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 55 Chambers in 11 Rows
		0.043 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	60.20'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 58.10'
#2	Primary	60.20'	**12.0" Round Culvert** L= 32.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.20' / 57.00' S= 0.1000 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	61.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	62.20'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.07 cfs @ 12.10 hrs HW=62.45' (Free Discharge)
└**1=Exfiltration** (Controls 0.07 cfs)

Primary OutFlow Max=3.17 cfs @ 12.10 hrs HW=62.45' (Free Discharge)
└**2=Culvert** (Passes 3.17 cfs of 3.94 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 1.58 cfs @ 4.02 fps)
  └**4=Sharp-Crested Vee/Trap Weir** (Weir Controls 1.60 cfs @ 1.62 fps)

Pond 72P: Sub. Inf. 7 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-310 +Cap (ADS StormTech® SC-310 with cap length)
Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf
Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap

34.0" Wide + 6.0" Spacing = 40.0" C-C Row Spacing

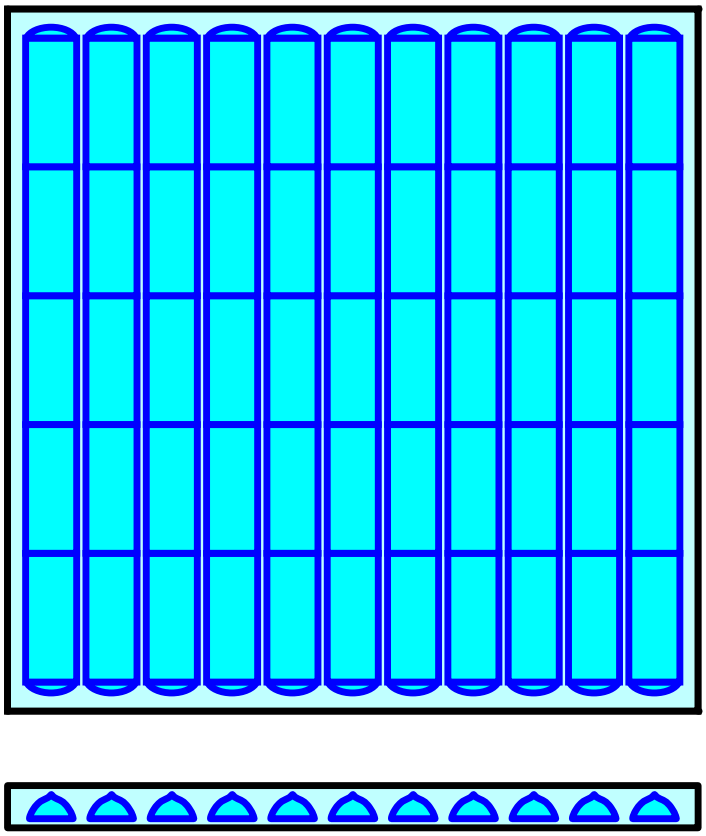
5 Chambers/Row x 7.12' Long +0.60' Cap Length x 2 = 36.80' Row Length +12.0" End Stone x 2 = 38.80' Base Length
11 Rows x 34.0" Wide + 6.0" Spacing x 10 + 12.0" Side Stone x 2 = 38.17' Base Width
6.0" Stone Base + 16.0" Chamber Height + 6.0" Stone Cover = 2.33' Field Height

55 Chambers x 14.7 cf = 810.8 cf Chamber Storage

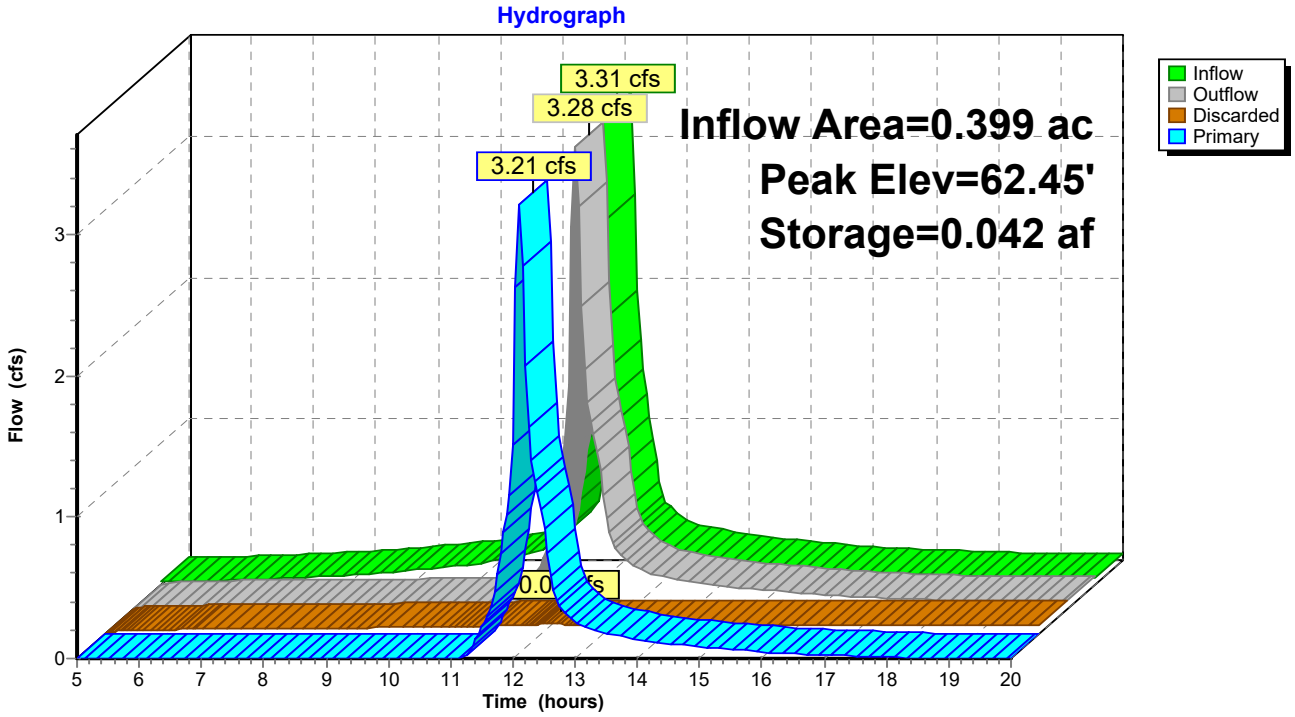
3,455.4 cf Field - 810.8 cf Chambers = 2,644.5 cf Stone x 40.0% Voids = 1,057.8 cf Stone Storage

Chamber Storage + Stone Storage = 1,868.6 cf = 0.043 af
Overall Storage Efficiency = 54.1%
Overall System Size = 38.80' x 38.17' x 2.33'

55 Chambers
128.0 cy Field
97.9 cy Stone



Pond 72P: Sub. Inf. 7



Stage-Area-Storage for Pond 72P: Sub. Inf. 7

Elevation (feet)	Surface (acres)	Storage (acre-feet)
60.20	**0.034**	0.000
60.25	0.034	0.001
60.30	0.034	0.001
60.35	0.034	0.002
60.40	0.034	0.003
60.45	0.034	0.003
60.50	0.034	0.004
60.55	0.034	0.005
60.60	0.034	0.005
60.65	0.034	0.006
60.70	0.034	0.007
60.75	0.034	0.008
60.80	0.034	0.009
60.85	0.034	0.011
60.90	0.034	0.012
60.95	0.034	0.013
61.00	0.034	0.015
61.05	0.034	0.016
61.10	0.034	0.017
61.15	0.034	0.018
61.20	0.034	0.020
61.25	0.034	0.021
61.30	0.034	0.022
61.35	0.034	0.023
61.40	0.034	0.024
61.45	0.034	0.026
61.50	0.034	0.027
61.55	0.034	0.028
61.60	0.034	0.029
61.65	0.034	0.030
61.70	0.034	0.031
61.75	0.034	0.032
61.80	0.034	0.033
61.85	0.034	0.033
61.90	0.034	0.034
61.95	0.034	0.035
62.00	0.034	0.036
62.05	0.034	0.036
62.10	0.034	0.037
62.15	0.034	0.038
62.20	0.034	0.038
62.25	0.034	0.039
62.30	0.034	0.040
62.35	0.034	0.040
62.40	0.034	0.041
62.45	0.034	0.042
62.50	0.034	**0.042**

Summary for Pond 73P: CB 64

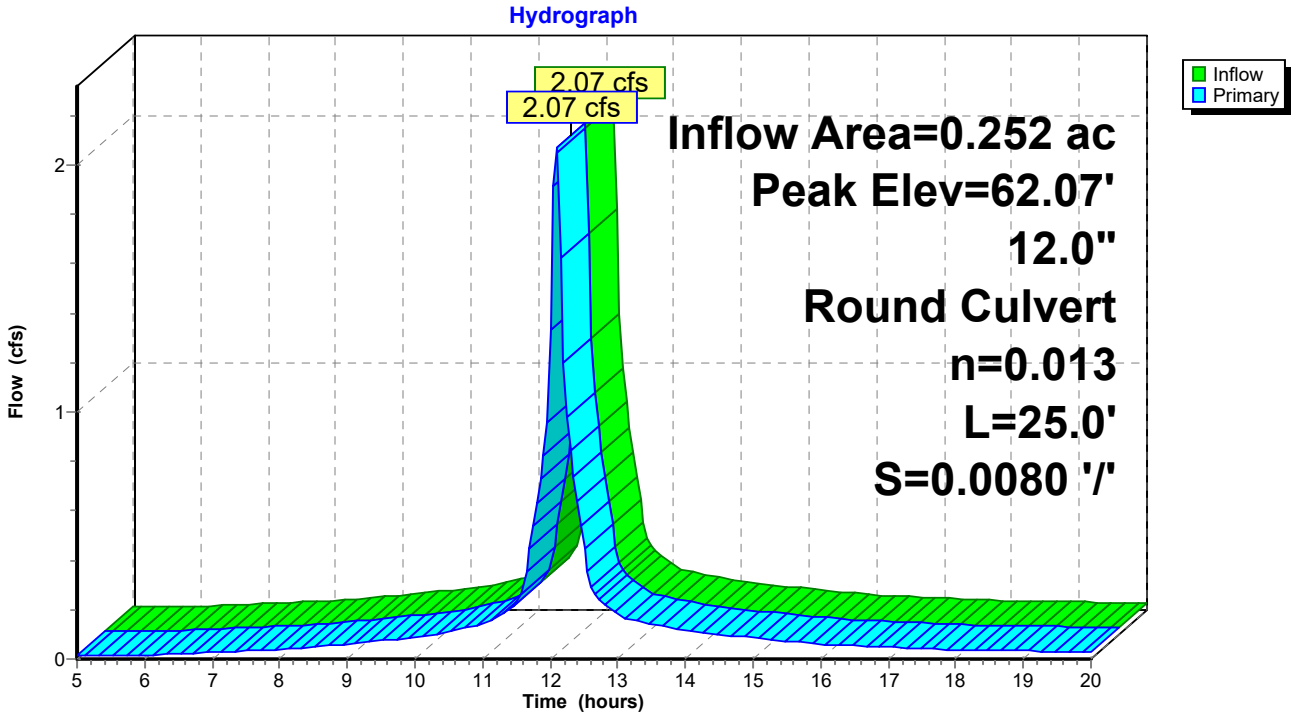
Inflow Area = 0.252 ac, 65.83% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 2.07 cfs @ 12.09 hrs, Volume= 0.153 af
Outflow = 2.07 cfs @ 12.09 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Primary = 2.07 cfs @ 12.09 hrs, Volume= 0.153 af
Routed to Pond 75P : DMH 46

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.07' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.10'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.10' / 60.90' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.02 cfs @ 12.09 hrs HW=62.06' (Free Discharge)
1=Culvert (Barrel Controls 2.02 cfs @ 3.35 fps)

Pond 73P: CB 64



Stage-Area-Storage for Pond 73P: CB 64

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.10	**0.000**	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000		
61.59	0.000		
61.60	0.000		
61.61	0.000		
61.62	0.000		

Summary for Pond 74P: CB 65

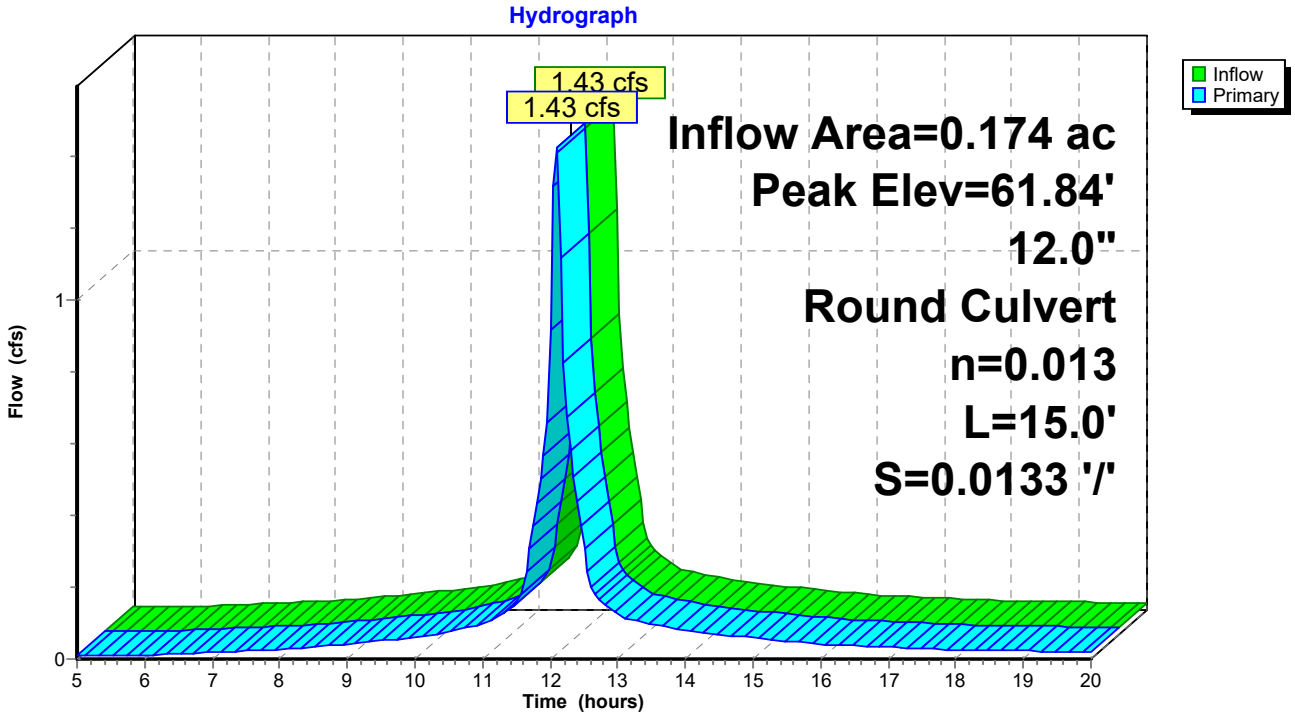
Inflow Area = 0.174 ac, 65.05% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 1.43 cfs @ 12.09 hrs, Volume= 0.106 af
Outflow = 1.43 cfs @ 12.09 hrs, Volume= 0.106 af, Atten= 0%, Lag= 0.0 min
Primary = 1.43 cfs @ 12.09 hrs, Volume= 0.106 af
Routed to Pond 75P : DMH 46

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.84' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.10'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.10' / 60.90' S= 0.0133 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.39 cfs @ 12.09 hrs HW=61.82' (Free Discharge)
1=Culvert (Inlet Controls 1.39 cfs @ 2.29 fps)

Pond 74P: CB 65



Stage-Area-Storage for Pond 74P: CB 65

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.10	**0.000**	61.63	0.000
61.11	0.000	61.64	0.000
61.12	0.000	61.65	0.000
61.13	0.000	61.66	0.000
61.14	0.000	61.67	0.000
61.15	0.000	61.68	0.000
61.16	0.000	61.69	0.000
61.17	0.000	61.70	0.000
61.18	0.000	61.71	0.000
61.19	0.000	61.72	0.000
61.20	0.000	61.73	0.000
61.21	0.000	61.74	0.000
61.22	0.000	61.75	0.000
61.23	0.000	61.76	0.000
61.24	0.000	61.77	0.000
61.25	0.000	61.78	0.000
61.26	0.000	61.79	0.000
61.27	0.000	61.80	0.000
61.28	0.000	61.81	0.000
61.29	0.000	61.82	0.000
61.30	0.000	61.83	0.000
61.31	0.000	61.84	0.000
61.32	0.000	61.85	0.000
61.33	0.000	61.86	0.000
61.34	0.000	61.87	0.000
61.35	0.000	61.88	0.000
61.36	0.000	61.89	0.000
61.37	0.000	61.90	0.000
61.38	0.000	61.91	0.000
61.39	0.000	61.92	0.000
61.40	0.000	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000		
61.59	0.000		
61.60	0.000		
61.61	0.000		
61.62	0.000		

Summary for Pond 75P: DMH 46

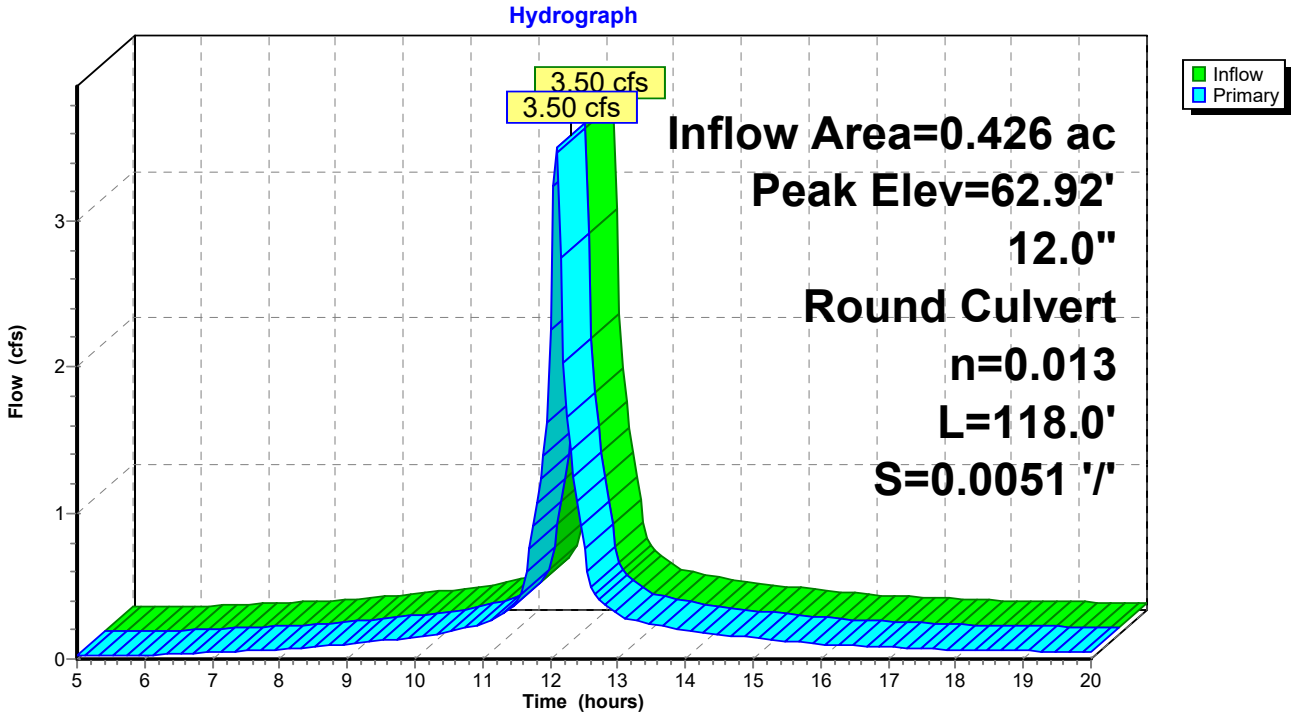
Inflow Area = 0.426 ac, 65.51% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 3.50 cfs @ 12.09 hrs, Volume= 0.259 af
Outflow = 3.50 cfs @ 12.09 hrs, Volume= 0.259 af, Atten= 0%, Lag= 0.0 min
Primary = 3.50 cfs @ 12.09 hrs, Volume= 0.259 af
Routed to Pond 64P : DMH 47

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**12.0" Round Culvert** L= 118.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 60.20' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.41 cfs @ 12.09 hrs HW=62.84' (Free Discharge)
1=Culvert (Barrel Controls 3.41 cfs @ 4.34 fps)

Pond 75P: DMH 46



Stage-Area-Storage for Pond 75P: DMH 46

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.86	0.000
60.82	0.000	61.88	0.000
60.84	0.000	61.90	0.000
60.86	0.000	61.92	0.000
60.88	0.000	61.94	0.000
60.90	0.000	61.96	0.000
60.92	0.000	61.98	0.000
60.94	0.000	62.00	0.000
60.96	0.000	62.02	0.000
60.98	0.000	62.04	0.000
61.00	0.000	62.06	0.000
61.02	0.000	62.08	0.000
61.04	0.000	62.10	0.000
61.06	0.000	62.12	0.000
61.08	0.000	62.14	0.000
61.10	0.000	62.16	0.000
61.12	0.000	62.18	0.000
61.14	0.000	62.20	0.000
61.16	0.000	62.22	0.000
61.18	0.000	62.24	0.000
61.20	0.000	62.26	0.000
61.22	0.000	62.28	0.000
61.24	0.000	62.30	0.000
61.26	0.000	62.32	0.000
61.28	0.000	62.34	0.000
61.30	0.000	62.36	0.000
61.32	0.000	62.38	0.000
61.34	0.000	62.40	0.000
61.36	0.000	62.42	0.000
61.38	0.000	62.44	0.000
61.40	0.000	62.46	0.000
61.42	0.000	62.48	0.000
61.44	0.000	62.50	0.000
61.46	0.000	62.52	0.000
61.48	0.000	62.54	0.000
61.50	0.000	62.56	0.000
61.52	0.000	62.58	0.000
61.54	0.000	62.60	0.000
61.56	0.000	62.62	0.000
61.58	0.000	62.64	0.000
61.60	0.000	62.66	0.000
61.62	0.000	62.68	0.000
61.64	0.000	62.70	0.000
61.66	0.000	62.72	0.000
61.68	0.000	62.74	0.000
61.70	0.000	62.76	0.000
61.72	0.000	62.78	0.000
61.74	0.000	62.80	0.000
61.76	0.000	62.82	0.000
61.78	0.000	62.84	0.000
61.80	0.000	62.86	0.000
61.82	0.000	62.88	0.000
61.84	0.000	62.90	0.000

Summary for Pond 76P: CB 70

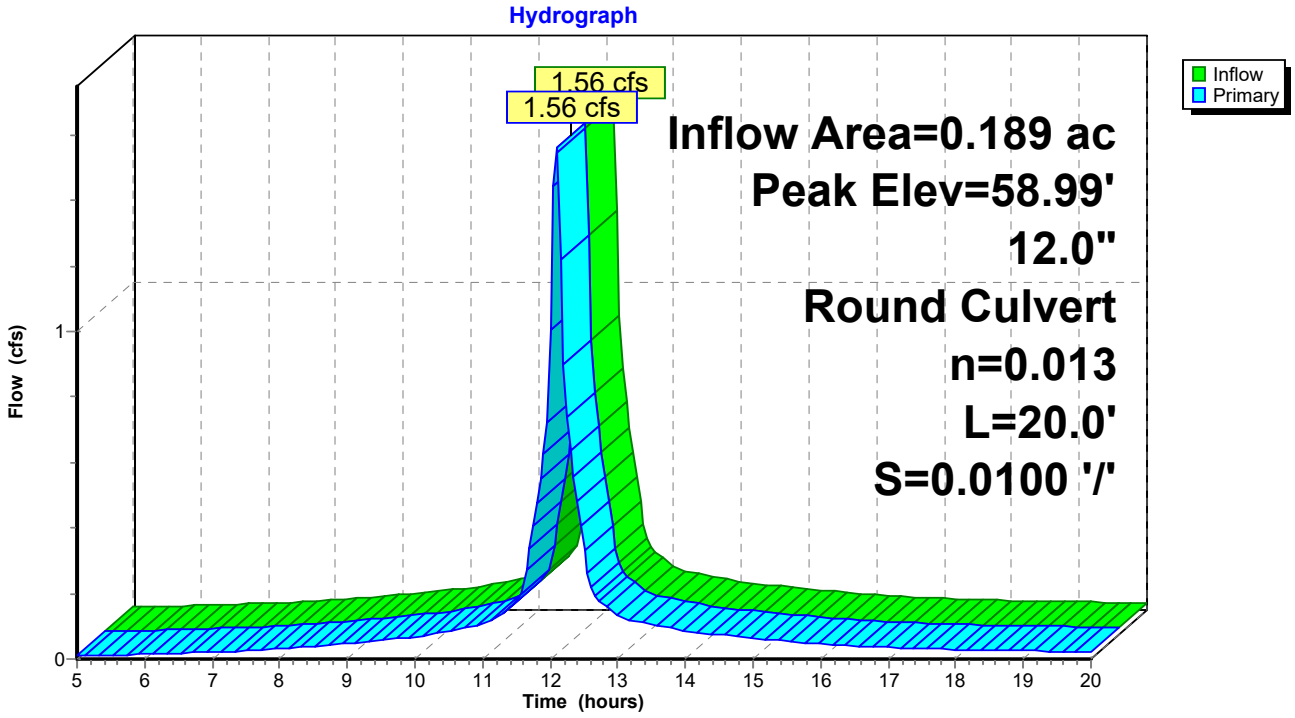
Inflow Area = 0.189 ac, 71.07% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 1.56 cfs @ 12.09 hrs, Volume= 0.116 af
Outflow = 1.56 cfs @ 12.09 hrs, Volume= 0.116 af, Atten= 0%, Lag= 0.0 min
Primary = 1.56 cfs @ 12.09 hrs, Volume= 0.116 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.99' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 58.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.52 cfs @ 12.09 hrs HW=58.98' (Free Discharge)
1=Culvert (Barrel Controls 1.52 cfs @ 3.21 fps)

Pond 76P: CB 70



Stage-Area-Storage for Pond 76P: CB 70

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000		
58.69	0.000		
58.70	0.000		
58.71	0.000		
58.72	0.000		

Summary for Pond 77P: CB 71

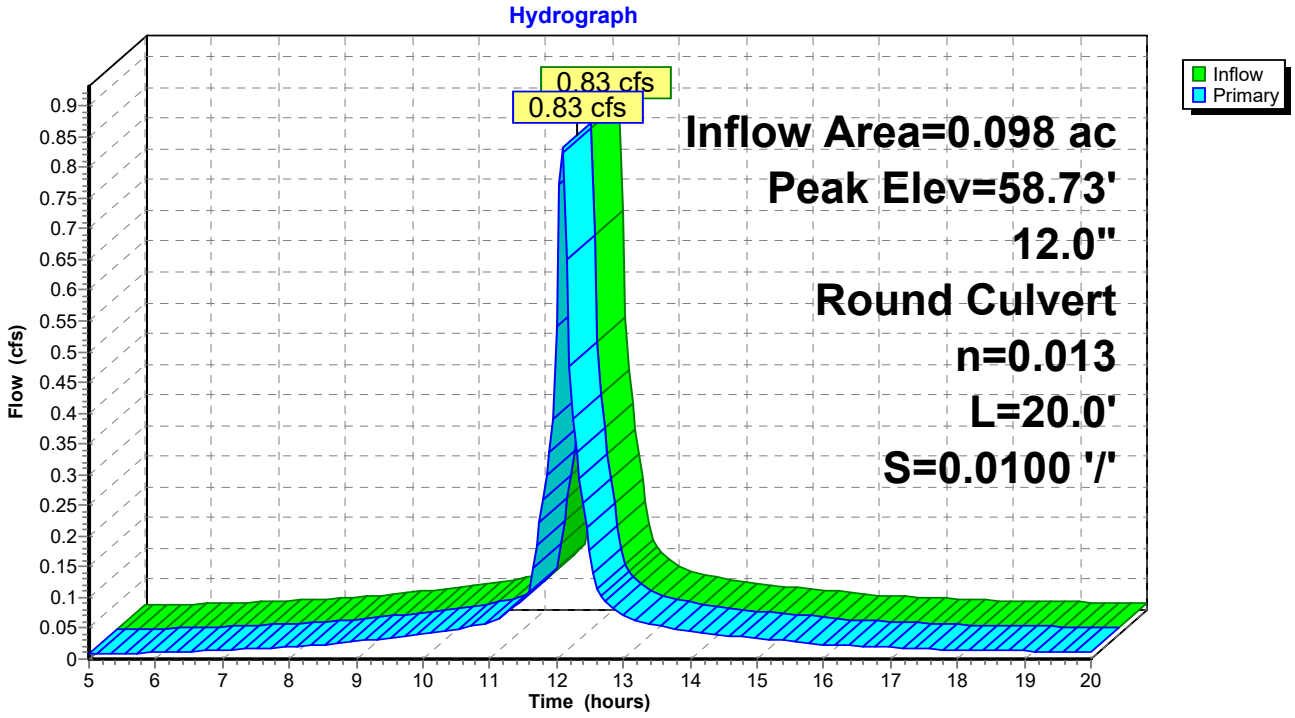
Inflow Area = 0.098 ac, 95.31% Impervious, Inflow Depth > 7.78" for 100-Year event
Inflow = 0.83 cfs @ 12.09 hrs, Volume= 0.064 af
Outflow = 0.83 cfs @ 12.09 hrs, Volume= 0.064 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.09 hrs, Volume= 0.064 af
Routed to Pond 78P : DMH 50

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.73' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 58.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.81 cfs @ 12.09 hrs HW=58.72' (Free Discharge)
1=Culvert (Barrel Controls 0.81 cfs @ 2.82 fps)

Pond 77P: CB 71



Stage-Area-Storage for Pond 77P: CB 71

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000	59.01	0.000
58.49	0.000	59.02	0.000
58.50	0.000	59.03	0.000
58.51	0.000	59.04	0.000
58.52	0.000	59.05	0.000
58.53	0.000	59.06	0.000
58.54	0.000	59.07	0.000
58.55	0.000	59.08	0.000
58.56	0.000	59.09	0.000
58.57	0.000	59.10	0.000
58.58	0.000	59.11	0.000
58.59	0.000	59.12	0.000
58.60	0.000	59.13	0.000
58.61	0.000	59.14	0.000
58.62	0.000	59.15	0.000
58.63	0.000	59.16	0.000
58.64	0.000	59.17	0.000
58.65	0.000	59.18	0.000
58.66	0.000	59.19	0.000
58.67	0.000	59.20	0.000
58.68	0.000		
58.69	0.000		
58.70	0.000		
58.71	0.000		
58.72	0.000		

Summary for Pond 78P: DMH 50

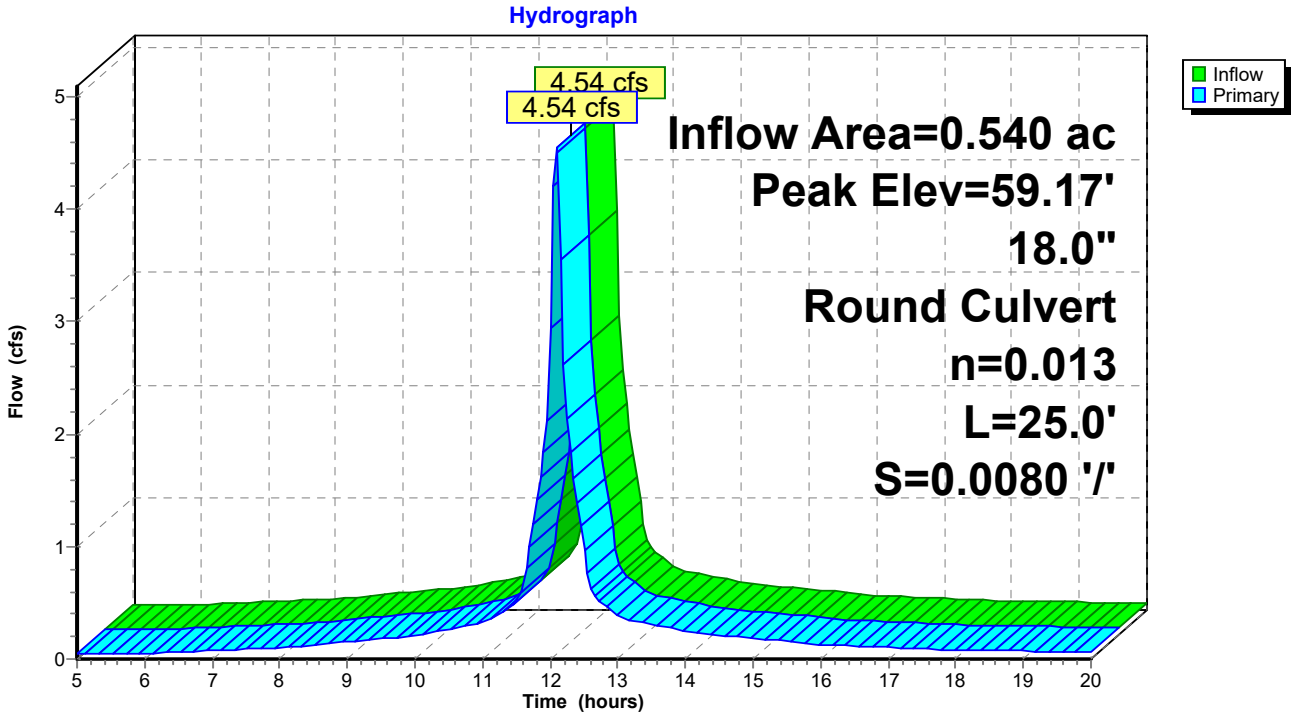
Inflow Area = 0.540 ac, 83.81% Impervious, Inflow Depth > 7.66" for 100-Year event
Inflow = 4.54 cfs @ 12.09 hrs, Volume= 0.344 af
Outflow = 4.54 cfs @ 12.09 hrs, Volume= 0.344 af, Atten= 0%, Lag= 0.0 min
Primary = 4.54 cfs @ 12.09 hrs, Volume= 0.344 af
Routed to Pond 79P : DMH 51

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.17' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.90'	**18.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.90' / 57.70' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.42 cfs @ 12.09 hrs HW=59.15' (Free Discharge)
1=Culvert (Barrel Controls 4.42 cfs @ 3.80 fps)

Pond 78P: DMH 50



Stage-Area-Storage for Pond 78P: DMH 50

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.90	**0.000**	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000	59.11	0.000
58.06	0.000	58.59	0.000	59.12	0.000
58.07	0.000	58.60	0.000	59.13	0.000
58.08	0.000	58.61	0.000	59.14	0.000
58.09	0.000	58.62	0.000	59.15	0.000
58.10	0.000	58.63	0.000	59.16	0.000
58.11	0.000	58.64	0.000	59.17	0.000
58.12	0.000	58.65	0.000	59.18	0.000
58.13	0.000	58.66	0.000	59.19	0.000
58.14	0.000	58.67	0.000	59.20	0.000
58.15	0.000	58.68	0.000	59.21	0.000
58.16	0.000	58.69	0.000	59.22	0.000
58.17	0.000	58.70	0.000	59.23	0.000
58.18	0.000	58.71	0.000	59.24	0.000
58.19	0.000	58.72	0.000	59.25	0.000
58.20	0.000	58.73	0.000	59.26	0.000
58.21	0.000	58.74	0.000	59.27	0.000
58.22	0.000	58.75	0.000	59.28	0.000
58.23	0.000	58.76	0.000	59.29	0.000
58.24	0.000	58.77	0.000	59.30	0.000
58.25	0.000	58.78	0.000	59.31	0.000
58.26	0.000	58.79	0.000	59.32	0.000
58.27	0.000	58.80	0.000	59.33	0.000
58.28	0.000	58.81	0.000	59.34	0.000
58.29	0.000	58.82	0.000	59.35	0.000
58.30	0.000	58.83	0.000	59.36	0.000
58.31	0.000	58.84	0.000	59.37	0.000
58.32	0.000	58.85	0.000	59.38	0.000
58.33	0.000	58.86	0.000	59.39	0.000
58.34	0.000	58.87	0.000	59.40	0.000
58.35	0.000	58.88	0.000		
58.36	0.000	58.89	0.000		
58.37	0.000	58.90	0.000		
58.38	0.000	58.91	0.000		
58.39	0.000	58.92	0.000		
58.40	0.000	58.93	0.000		
58.41	0.000	58.94	0.000		
58.42	0.000	58.95	0.000		

Summary for Pond 79P: DMH 51

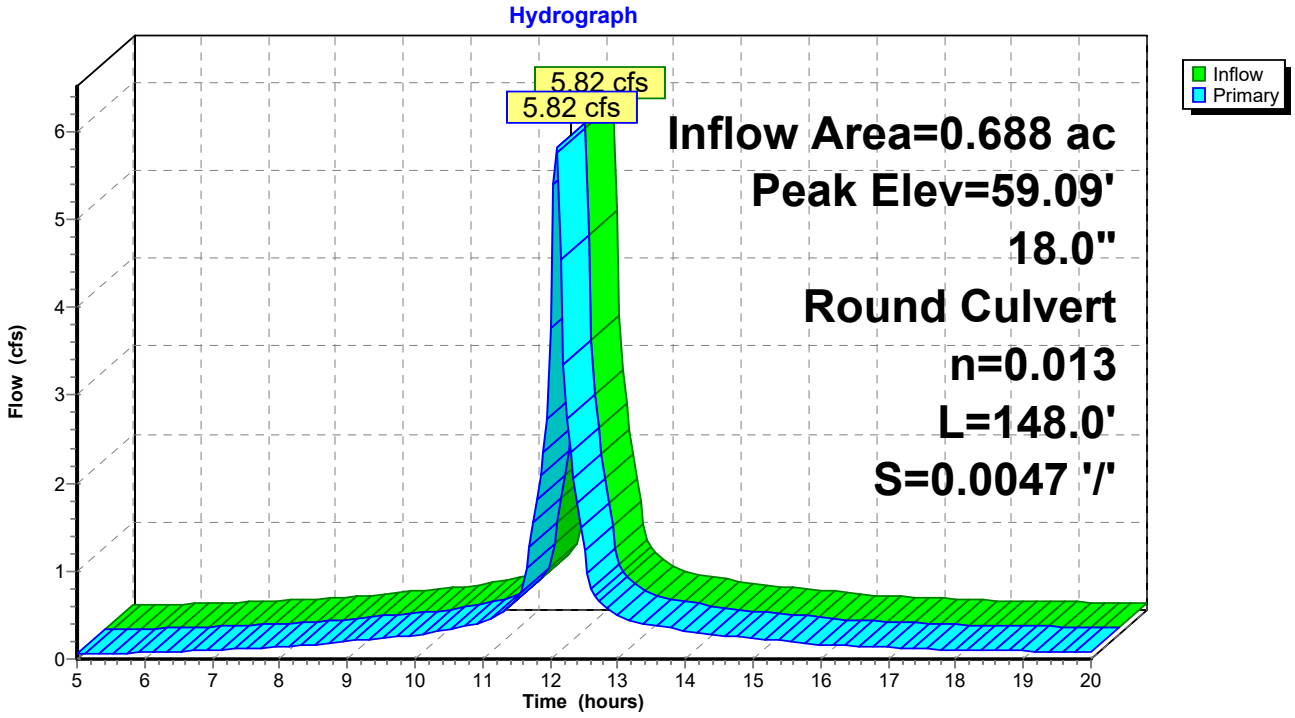
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 7.73" for 100-Year event
Inflow = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af
Outflow = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af, Atten= 0%, Lag= 0.0 min
Primary = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af
Routed to Pond 80P : DMH 52

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.09' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.60'	**18.0" Round Culvert** L= 148.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.60' / 56.91' S= 0.0047 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.67 cfs @ 12.09 hrs HW=59.06' (Free Discharge)
1=Culvert (Barrel Controls 5.67 cfs @ 4.11 fps)

Pond 79P: DMH 51



Stage-Area-Storage for Pond 79P: DMH 51

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.60	**0.000**	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000	58.90	0.000
57.85	0.000	58.38	0.000	58.91	0.000
57.86	0.000	58.39	0.000	58.92	0.000
57.87	0.000	58.40	0.000	58.93	0.000
57.88	0.000	58.41	0.000	58.94	0.000
57.89	0.000	58.42	0.000	58.95	0.000
57.90	0.000	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000		
58.06	0.000	58.59	0.000		
58.07	0.000	58.60	0.000		
58.08	0.000	58.61	0.000		
58.09	0.000	58.62	0.000		
58.10	0.000	58.63	0.000		
58.11	0.000	58.64	0.000		
58.12	0.000	58.65	0.000		

Summary for Pond 80P: DMH 52

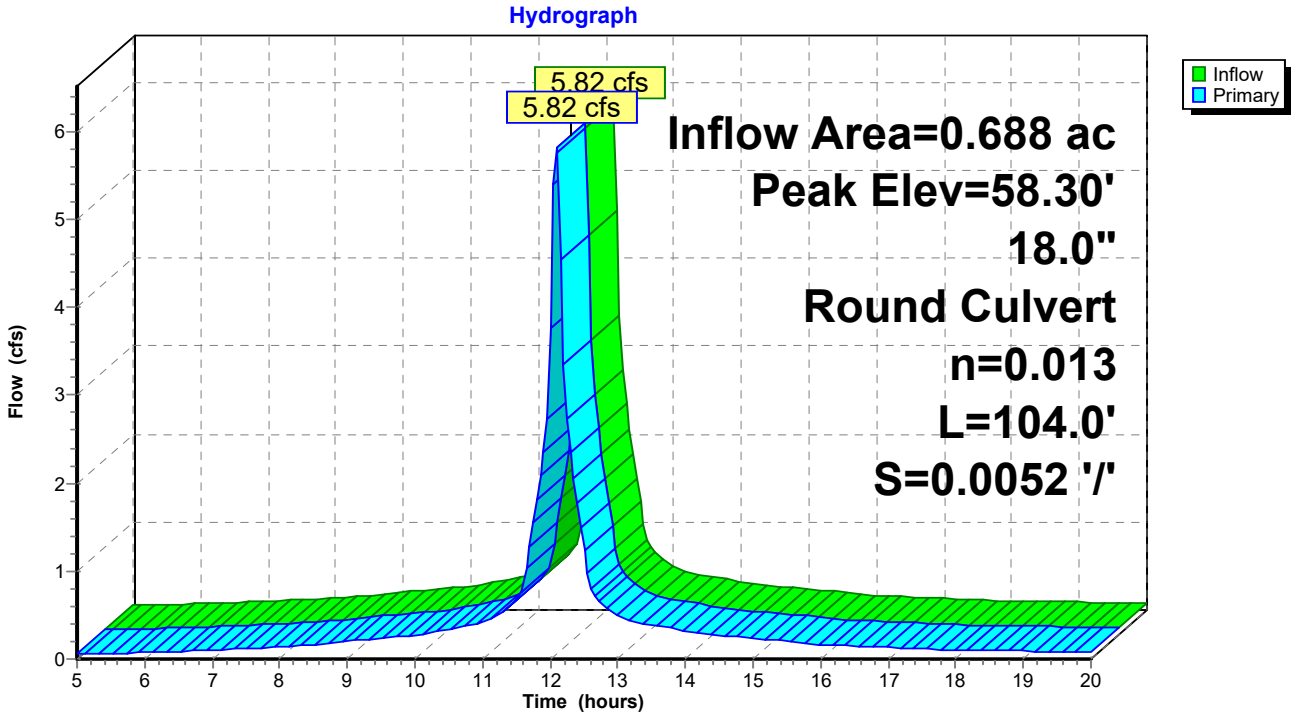
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 7.73" for 100-Year event
Inflow = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af
Outflow = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af, Atten= 0%, Lag= 0.0 min
Primary = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af
Routed to Pond 81P : DMH 53

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.81'	**18.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.81' / 56.27' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.69 cfs @ 12.09 hrs HW=58.27' (Free Discharge)
1=Culvert (Inlet Controls 5.69 cfs @ 3.24 fps)

Pond 80P: DMH 52



Stage-Area-Storage for Pond 80P: DMH 52

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.81	**0.000**	57.34	0.000	57.87	0.000
56.82	0.000	57.35	0.000	57.88	0.000
56.83	0.000	57.36	0.000	57.89	0.000
56.84	0.000	57.37	0.000	57.90	0.000
56.85	0.000	57.38	0.000	57.91	0.000
56.86	0.000	57.39	0.000	57.92	0.000
56.87	0.000	57.40	0.000	57.93	0.000
56.88	0.000	57.41	0.000	57.94	0.000
56.89	0.000	57.42	0.000	57.95	0.000
56.90	0.000	57.43	0.000	57.96	0.000
56.91	0.000	57.44	0.000	57.97	0.000
56.92	0.000	57.45	0.000	57.98	0.000
56.93	0.000	57.46	0.000	57.99	0.000
56.94	0.000	57.47	0.000	58.00	0.000
56.95	0.000	57.48	0.000	58.01	0.000
56.96	0.000	57.49	0.000	58.02	0.000
56.97	0.000	57.50	0.000	58.03	0.000
56.98	0.000	57.51	0.000	58.04	0.000
56.99	0.000	57.52	0.000	58.05	0.000
57.00	0.000	57.53	0.000	58.06	0.000
57.01	0.000	57.54	0.000	58.07	0.000
57.02	0.000	57.55	0.000	58.08	0.000
57.03	0.000	57.56	0.000	58.09	0.000
57.04	0.000	57.57	0.000	58.10	0.000
57.05	0.000	57.58	0.000	58.11	0.000
57.06	0.000	57.59	0.000	58.12	0.000
57.07	0.000	57.60	0.000	58.13	0.000
57.08	0.000	57.61	0.000	58.14	0.000
57.09	0.000	57.62	0.000	58.15	0.000
57.10	0.000	57.63	0.000	58.16	0.000
57.11	0.000	57.64	0.000	58.17	0.000
57.12	0.000	57.65	0.000	58.18	0.000
57.13	0.000	57.66	0.000	58.19	0.000
57.14	0.000	57.67	0.000	58.20	0.000
57.15	0.000	57.68	0.000	58.21	0.000
57.16	0.000	57.69	0.000	58.22	0.000
57.17	0.000	57.70	0.000	58.23	0.000
57.18	0.000	57.71	0.000	58.24	0.000
57.19	0.000	57.72	0.000	58.25	0.000
57.20	0.000	57.73	0.000	58.26	0.000
57.21	0.000	57.74	0.000	58.27	0.000
57.22	0.000	57.75	0.000	58.28	0.000
57.23	0.000	57.76	0.000	58.29	0.000
57.24	0.000	57.77	0.000	58.30	0.000
57.25	0.000	57.78	0.000	58.31	0.000
57.26	0.000	57.79	0.000		
57.27	0.000	57.80	0.000		
57.28	0.000	57.81	0.000		
57.29	0.000	57.82	0.000		
57.30	0.000	57.83	0.000		
57.31	0.000	57.84	0.000		
57.32	0.000	57.85	0.000		
57.33	0.000	57.86	0.000		

Summary for Pond 81P: DMH 53

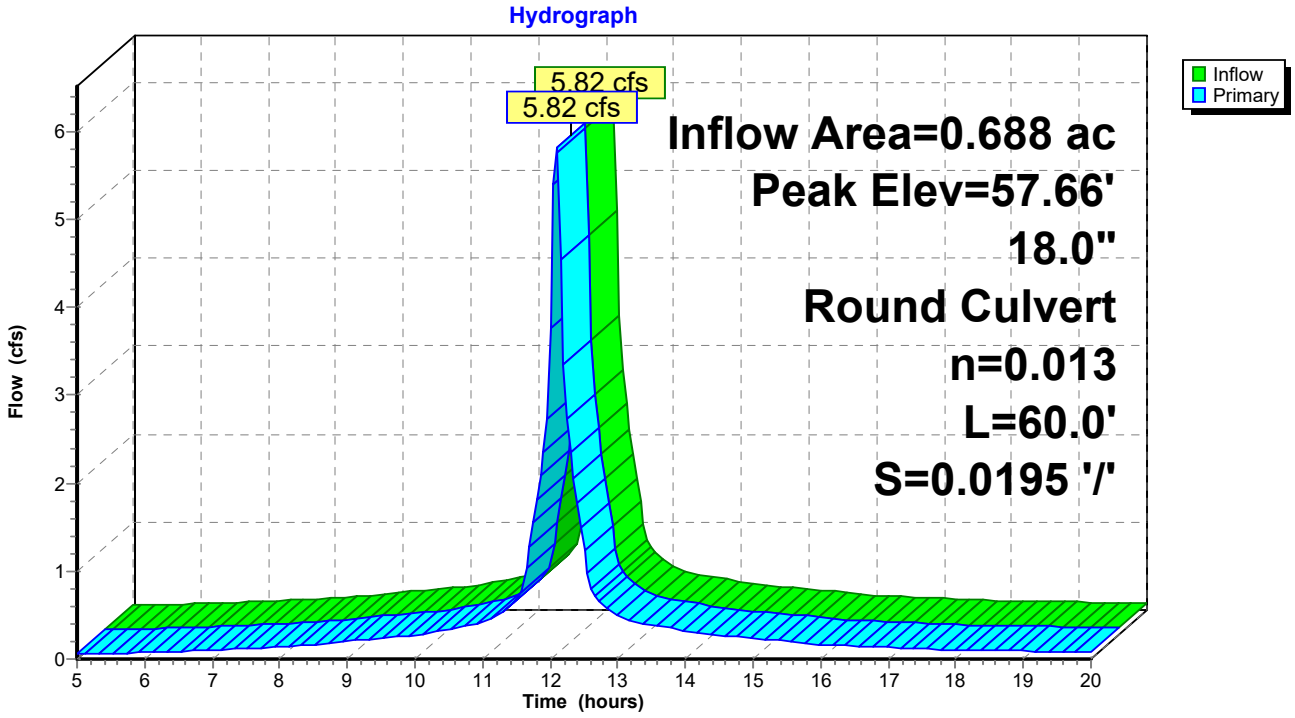
Inflow Area = 0.688 ac, 87.30% Impervious, Inflow Depth > 7.73" for 100-Year event
Inflow = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af
Outflow = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af, Atten= 0%, Lag= 0.0 min
Primary = 5.82 cfs @ 12.09 hrs, Volume= 0.443 af
Routed to Pond 82P : Constructed Wetland 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.17'	**18.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.17' / 55.00' S= 0.0195 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.67 cfs @ 12.09 hrs HW=57.62' (Free Discharge)
1=Culvert (Inlet Controls 5.67 cfs @ 3.24 fps)

Pond 81P: DMH 53



Stage-Area-Storage for Pond 81P: DMH 53

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.17	**0.000**	56.70	0.000	57.23	0.000
56.18	0.000	56.71	0.000	57.24	0.000
56.19	0.000	56.72	0.000	57.25	0.000
56.20	0.000	56.73	0.000	57.26	0.000
56.21	0.000	56.74	0.000	57.27	0.000
56.22	0.000	56.75	0.000	57.28	0.000
56.23	0.000	56.76	0.000	57.29	0.000
56.24	0.000	56.77	0.000	57.30	0.000
56.25	0.000	56.78	0.000	57.31	0.000
56.26	0.000	56.79	0.000	57.32	0.000
56.27	0.000	56.80	0.000	57.33	0.000
56.28	0.000	56.81	0.000	57.34	0.000
56.29	0.000	56.82	0.000	57.35	0.000
56.30	0.000	56.83	0.000	57.36	0.000
56.31	0.000	56.84	0.000	57.37	0.000
56.32	0.000	56.85	0.000	57.38	0.000
56.33	0.000	56.86	0.000	57.39	0.000
56.34	0.000	56.87	0.000	57.40	0.000
56.35	0.000	56.88	0.000	57.41	0.000
56.36	0.000	56.89	0.000	57.42	0.000
56.37	0.000	56.90	0.000	57.43	0.000
56.38	0.000	56.91	0.000	57.44	0.000
56.39	0.000	56.92	0.000	57.45	0.000
56.40	0.000	56.93	0.000	57.46	0.000
56.41	0.000	56.94	0.000	57.47	0.000
56.42	0.000	56.95	0.000	57.48	0.000
56.43	0.000	56.96	0.000	57.49	0.000
56.44	0.000	56.97	0.000	57.50	0.000
56.45	0.000	56.98	0.000	57.51	0.000
56.46	0.000	56.99	0.000	57.52	0.000
56.47	0.000	57.00	0.000	57.53	0.000
56.48	0.000	57.01	0.000	57.54	0.000
56.49	0.000	57.02	0.000	57.55	0.000
56.50	0.000	57.03	0.000	57.56	0.000
56.51	0.000	57.04	0.000	57.57	0.000
56.52	0.000	57.05	0.000	57.58	0.000
56.53	0.000	57.06	0.000	57.59	0.000
56.54	0.000	57.07	0.000	57.60	0.000
56.55	0.000	57.08	0.000	57.61	0.000
56.56	0.000	57.09	0.000	57.62	0.000
56.57	0.000	57.10	0.000	57.63	0.000
56.58	0.000	57.11	0.000	57.64	0.000
56.59	0.000	57.12	0.000	57.65	0.000
56.60	0.000	57.13	0.000	57.66	0.000
56.61	0.000	57.14	0.000	57.67	0.000
56.62	0.000	57.15	0.000		
56.63	0.000	57.16	0.000		
56.64	0.000	57.17	0.000		
56.65	0.000	57.18	0.000		
56.66	0.000	57.19	0.000		
56.67	0.000	57.20	0.000		
56.68	0.000	57.21	0.000		
56.69	0.000	57.22	0.000		

Summary for Pond 82P: Constructed Wetland 2

Inflow Area = 1.006 ac, 75.98% Impervious, Inflow Depth > 7.19" for 100-Year event
Inflow = 8.10 cfs @ 12.09 hrs, Volume= 0.603 af
Outflow = 1.91 cfs @ 12.48 hrs, Volume= 0.536 af, Atten= 76%, Lag= 23.5 min
Primary = 1.91 cfs @ 12.48 hrs, Volume= 0.536 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.45' @ 12.48 hrs Surf.Area= 4,524 sf Storage= 11,040 cf

Plug-Flow detention time= 107.3 min calculated for 0.536 af (89% of inflow)
Center-of-Mass det. time= 70.7 min (817.4 - 746.7)

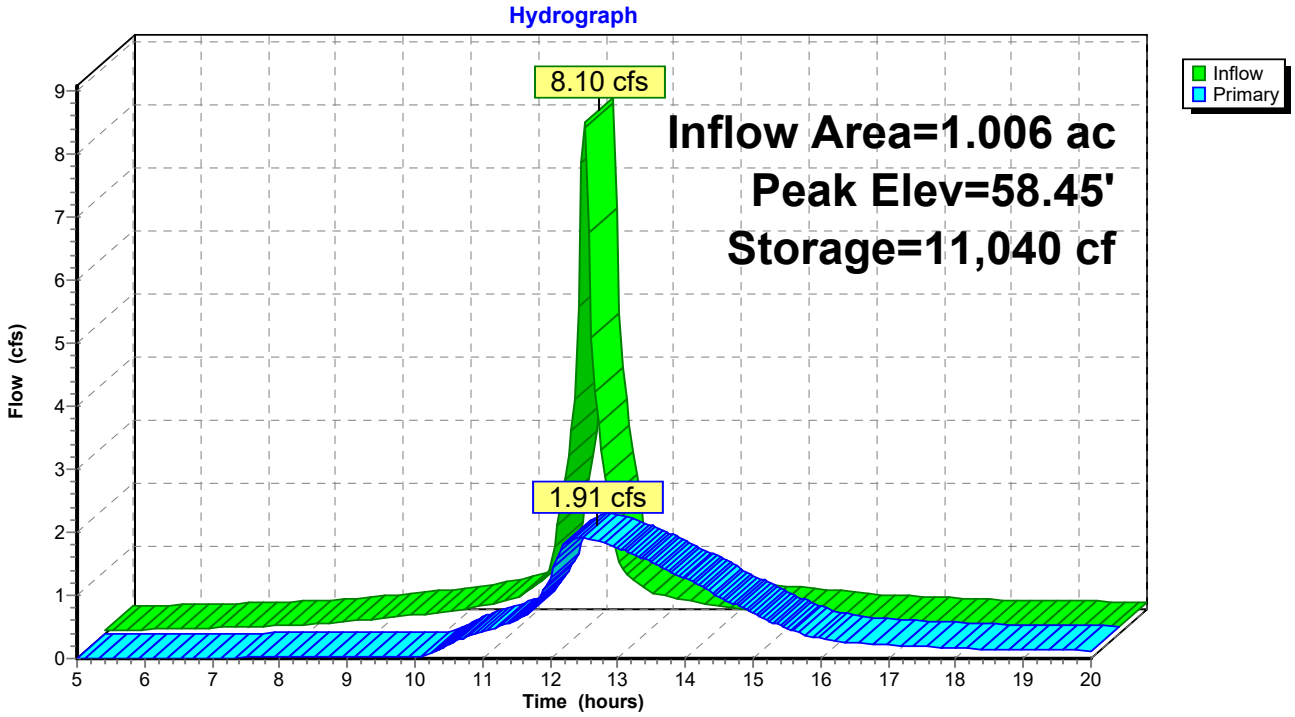
Volume	Invert	Avail.Storage	Storage Description
#1	55.00'	13,641 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
55.00	1,981	0	0
56.00	2,646	2,314	2,314
57.00	3,368	3,007	5,321
58.00	4,146	3,757	9,078
59.00	4,980	4,563	13,641

Device	Routing	Invert	Outlet Devices
#1	Primary	55.00'	**12.0" Round Culvert** L= 52.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.00' / 54.00' S= 0.0192 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	55.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.10'	**4.0" Vert. Orifice/Grate X 3.00** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=1.91 cfs @ 12.48 hrs HW=58.45' (Free Discharge)
└**1=Culvert** (Passes 1.91 cfs of 5.13 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 8.89 fps)
  └**3=Orifice/Grate** (Orifice Controls 1.86 cfs @ 7.12 fps)

Pond 82P: Constructed Wetland 2



Stage-Area-Storage for Pond 82P: Constructed Wetland 2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
55.00	1,981	0
55.05	2,014	100
55.10	2,048	201
55.15	2,081	305
55.20	2,114	410
55.25	2,147	516
55.30	2,180	624
55.35	2,214	734
55.40	2,247	846
55.45	2,280	959
55.50	2,314	1,074
55.55	2,347	1,190
55.60	2,380	1,308
55.65	2,413	1,428
55.70	2,447	1,550
55.75	2,480	1,673
55.80	2,513	1,798
55.85	2,546	1,924
55.90	2,579	2,052
55.95	2,613	2,182
56.00	2,646	2,314
56.05	2,682	2,447
56.10	2,718	2,582
56.15	2,754	2,719
56.20	2,790	2,857
56.25	2,827	2,998
56.30	2,863	3,140
56.35	2,899	3,284
56.40	2,935	3,430
56.45	2,971	3,577
56.50	3,007	3,727
56.55	3,043	3,878
56.60	3,079	4,031
56.65	3,115	4,186
56.70	3,151	4,343
56.75	3,188	4,501
56.80	3,224	4,661
56.85	3,260	4,823
56.90	3,296	4,987
56.95	3,332	5,153
57.00	3,368	5,321
57.05	3,407	5,490
57.10	3,446	5,661
57.15	3,485	5,834
57.20	3,524	6,010
57.25	3,563	6,187
57.30	3,601	6,366
57.35	3,640	6,547
57.40	3,679	6,730
57.45	3,718	6,915
57.50	3,757	7,102
57.55	3,796	7,291
57.60	3,835	7,481
57.65	3,874	7,674
57.70	3,913	7,869
57.75	3,952	8,065
57.80	3,990	8,264
57.85	4,029	8,464
57.90	4,068	8,667
57.95	4,107	8,871
58.00	4,146	9,078
58.05	4,188	9,286
58.10	4,229	9,496
58.15	4,271	9,709
58.20	4,313	9,923
58.25	4,355	10,140
58.30	4,396	10,359
58.35	4,438	10,580
58.40	4,480	10,803
58.45	4,521	11,028
58.50	4,563	11,255
58.55	4,605	11,484
58.60	4,646	11,715
58.65	4,688	11,949
58.70	4,730	12,184
58.75	4,772	12,422
58.80	4,813	12,661
58.85	4,855	12,903
58.90	4,897	13,147
58.95	4,938	13,393
59.00	**4,980**	**13,641**

Summary for Pond 83P: CB 86

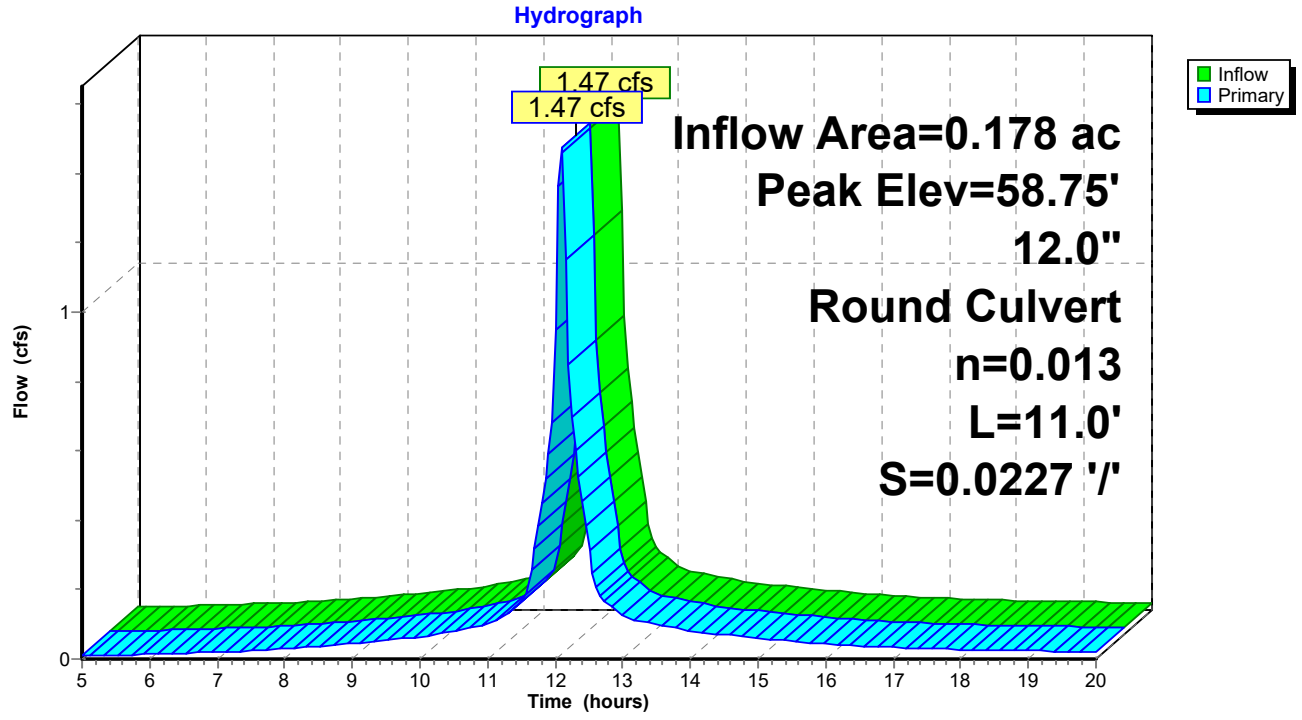
Inflow Area = 0.178 ac, 72.79% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 1.47 cfs @ 12.09 hrs, Volume= 0.110 af
Outflow = 1.47 cfs @ 12.09 hrs, Volume= 0.110 af, Atten= 0%, Lag= 0.0 min
Primary = 1.47 cfs @ 12.09 hrs, Volume= 0.110 af
Routed to Pond 85P : DMH 65

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.75' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.00' / 57.75' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.43 cfs @ 12.09 hrs HW=58.74' (Free Discharge)
1=Culvert (Inlet Controls 1.43 cfs @ 2.31 fps)

Pond 83P: CB 86



Stage-Area-Storage for Pond 83P: CB 86

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.00	**0.000**	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000	58.66	0.000
58.14	0.000	58.67	0.000
58.15	0.000	58.68	0.000
58.16	0.000	58.69	0.000
58.17	0.000	58.70	0.000
58.18	0.000	58.71	0.000
58.19	0.000	58.72	0.000
58.20	0.000	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000		
58.49	0.000		
58.50	0.000		
58.51	0.000		
58.52	0.000		

Summary for Pond 84P: CB 87

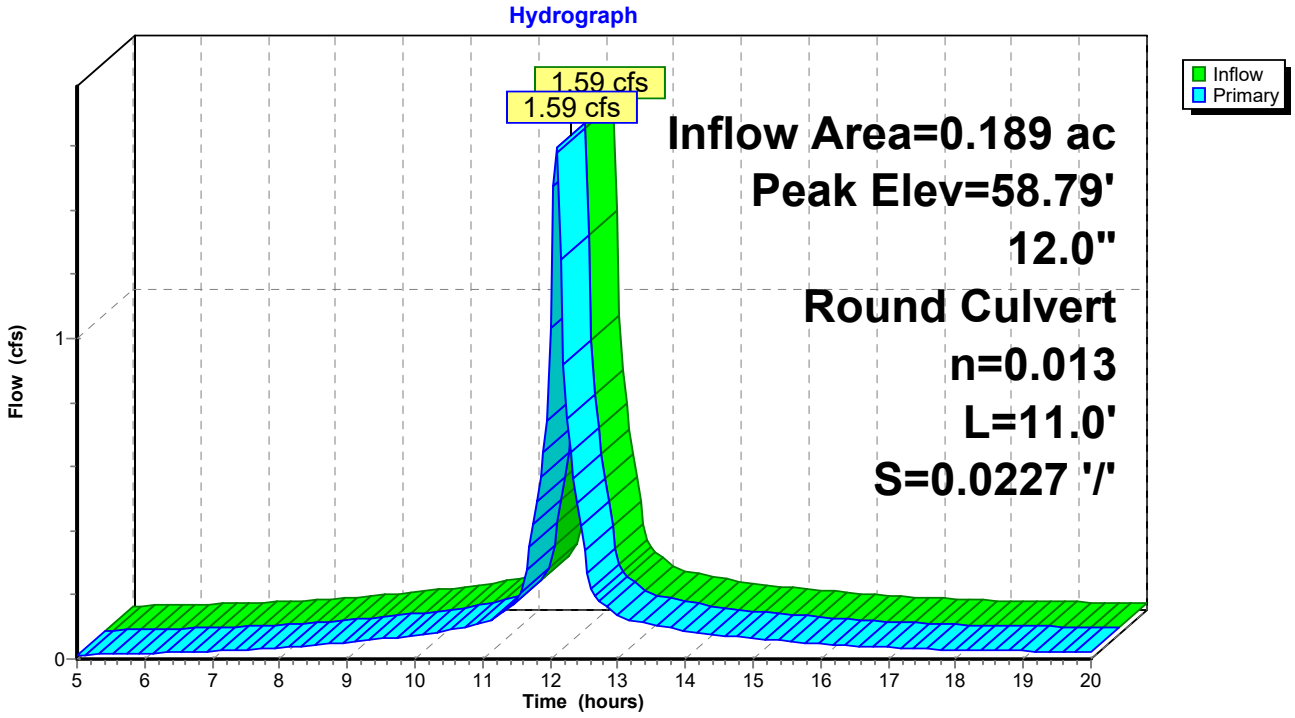
Inflow Area = 0.189 ac, 78.29% Impervious, Inflow Depth > 7.60" for 100-Year event
Inflow = 1.59 cfs @ 12.09 hrs, Volume= 0.120 af
Outflow = 1.59 cfs @ 12.09 hrs, Volume= 0.120 af, Atten= 0%, Lag= 0.0 min
Primary = 1.59 cfs @ 12.09 hrs, Volume= 0.120 af
Routed to Pond 85P : DMH 65

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.79' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.00' / 57.75' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.55 cfs @ 12.09 hrs HW=58.78' (Free Discharge)
1=Culvert (Inlet Controls 1.55 cfs @ 2.37 fps)

Pond 84P: CB 87



Stage-Area-Storage for Pond 84P: CB 87

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.00	**0.000**	58.53	0.000
58.01	0.000	58.54	0.000
58.02	0.000	58.55	0.000
58.03	0.000	58.56	0.000
58.04	0.000	58.57	0.000
58.05	0.000	58.58	0.000
58.06	0.000	58.59	0.000
58.07	0.000	58.60	0.000
58.08	0.000	58.61	0.000
58.09	0.000	58.62	0.000
58.10	0.000	58.63	0.000
58.11	0.000	58.64	0.000
58.12	0.000	58.65	0.000
58.13	0.000	58.66	0.000
58.14	0.000	58.67	0.000
58.15	0.000	58.68	0.000
58.16	0.000	58.69	0.000
58.17	0.000	58.70	0.000
58.18	0.000	58.71	0.000
58.19	0.000	58.72	0.000
58.20	0.000	58.73	0.000
58.21	0.000	58.74	0.000
58.22	0.000	58.75	0.000
58.23	0.000	58.76	0.000
58.24	0.000	58.77	0.000
58.25	0.000	58.78	0.000
58.26	0.000	58.79	0.000
58.27	0.000	58.80	0.000
58.28	0.000	58.81	0.000
58.29	0.000	58.82	0.000
58.30	0.000	58.83	0.000
58.31	0.000	58.84	0.000
58.32	0.000	58.85	0.000
58.33	0.000	58.86	0.000
58.34	0.000	58.87	0.000
58.35	0.000	58.88	0.000
58.36	0.000	58.89	0.000
58.37	0.000	58.90	0.000
58.38	0.000	58.91	0.000
58.39	0.000	58.92	0.000
58.40	0.000	58.93	0.000
58.41	0.000	58.94	0.000
58.42	0.000	58.95	0.000
58.43	0.000	58.96	0.000
58.44	0.000	58.97	0.000
58.45	0.000	58.98	0.000
58.46	0.000	58.99	0.000
58.47	0.000	59.00	0.000
58.48	0.000		
58.49	0.000		
58.50	0.000		
58.51	0.000		
58.52	0.000		

Summary for Pond 85P: DMH 65

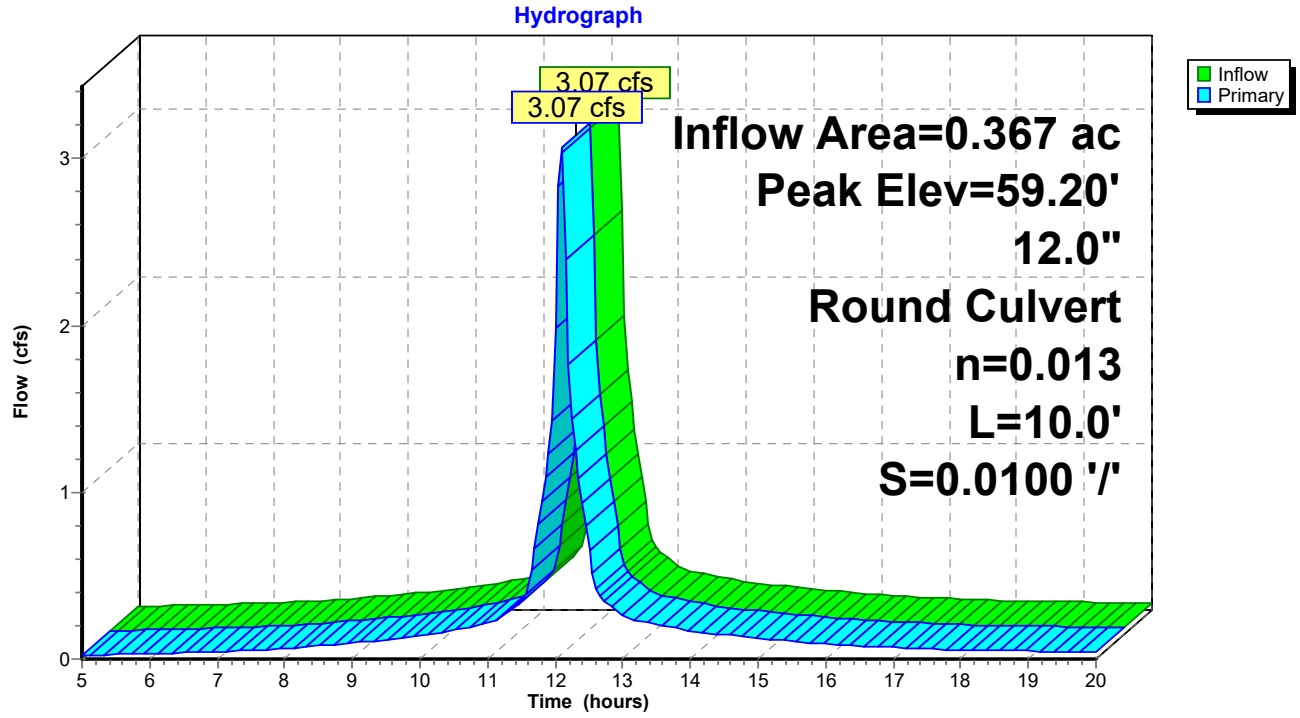
Inflow Area = 0.367 ac, 75.63% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 3.07 cfs @ 12.09 hrs, Volume= 0.230 af
Outflow = 3.07 cfs @ 12.09 hrs, Volume= 0.230 af, Atten= 0%, Lag= 0.0 min
Primary = 3.07 cfs @ 12.09 hrs, Volume= 0.230 af
Routed to Pond 97P : Sub. Det. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.20' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.65'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.65' / 57.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.99 cfs @ 12.09 hrs HW=59.15' (Free Discharge)
1=Culvert (Inlet Controls 2.99 cfs @ 3.80 fps)

Pond 85P: DMH 65



Stage-Area-Storage for Pond 85P: DMH 65

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.65	**0.000**	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000	58.90	0.000
57.85	0.000	58.38	0.000	58.91	0.000
57.86	0.000	58.39	0.000	58.92	0.000
57.87	0.000	58.40	0.000	58.93	0.000
57.88	0.000	58.41	0.000	58.94	0.000
57.89	0.000	58.42	0.000	58.95	0.000
57.90	0.000	58.43	0.000	58.96	0.000
57.91	0.000	58.44	0.000	58.97	0.000
57.92	0.000	58.45	0.000	58.98	0.000
57.93	0.000	58.46	0.000	58.99	0.000
57.94	0.000	58.47	0.000	59.00	0.000
57.95	0.000	58.48	0.000	59.01	0.000
57.96	0.000	58.49	0.000	59.02	0.000
57.97	0.000	58.50	0.000	59.03	0.000
57.98	0.000	58.51	0.000	59.04	0.000
57.99	0.000	58.52	0.000	59.05	0.000
58.00	0.000	58.53	0.000	59.06	0.000
58.01	0.000	58.54	0.000	59.07	0.000
58.02	0.000	58.55	0.000	59.08	0.000
58.03	0.000	58.56	0.000	59.09	0.000
58.04	0.000	58.57	0.000	59.10	0.000
58.05	0.000	58.58	0.000	59.11	0.000
58.06	0.000	58.59	0.000	59.12	0.000
58.07	0.000	58.60	0.000	59.13	0.000
58.08	0.000	58.61	0.000	59.14	0.000
58.09	0.000	58.62	0.000	59.15	0.000
58.10	0.000	58.63	0.000	59.16	0.000
58.11	0.000	58.64	0.000	59.17	0.000
58.12	0.000	58.65	0.000	59.18	0.000
58.13	0.000	58.66	0.000	59.19	0.000
58.14	0.000	58.67	0.000		
58.15	0.000	58.68	0.000		
58.16	0.000	58.69	0.000		
58.17	0.000	58.70	0.000		

Summary for Pond 86P: Sub. Inf. 6

Inflow Area = 0.589 ac, 36.87% Impervious, Inflow Depth > 6.50" for 100-Year event
Inflow = 4.49 cfs @ 12.09 hrs, Volume= 0.319 af
Outflow = 4.52 cfs @ 12.12 hrs, Volume= 0.281 af, Atten= 0%, Lag= 1.6 min
Discarded = 0.09 cfs @ 12.12 hrs, Volume= 0.069 af
Primary = 4.43 cfs @ 12.12 hrs, Volume= 0.213 af
Routed to Link 60L : DP 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.83' @ 12.12 hrs Surf.Area= 0.037 ac Storage= 0.069 af

Plug-Flow detention time= 63.2 min calculated for 0.280 af (88% of inflow)
Center-of-Mass det. time= 26.5 min (788.1 - 761.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	61.00'	0.034 af	**30.00'W x 53.46'L x 3.50'H Field A** 0.129 af Overall - 0.045 af Embedded = 0.084 af x 40.0% Voids
#2A	61.50'	0.045 af	**ADS_StormTech SC-740 b +Cap** x 42 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 42 Chambers in 6 Rows Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf
		0.079 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	61.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 59.00'
#2	Primary	61.00'	**12.0" Round Culvert** L= 105.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 57.00' S= 0.0381 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	62.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	63.50'	**4.0' long Sharp-Crested Vee/Trap Weir** Cv= 2.62 (C= 3.28)

Discarded OutFlow Max=0.09 cfs @ 12.12 hrs HW=63.81' (Free Discharge)
└**1=Exfiltration** (Controls 0.09 cfs)

Primary OutFlow Max=4.16 cfs @ 12.12 hrs HW=63.81' (Free Discharge)
└**2=Culvert** (Passes 4.16 cfs of 4.53 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 1.94 cfs @ 4.95 fps)
  └**4=Sharp-Crested Vee/Trap Weir** (Weir Controls 2.22 cfs @ 1.81 fps)

Pond 86P: Sub. Inf. 6 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

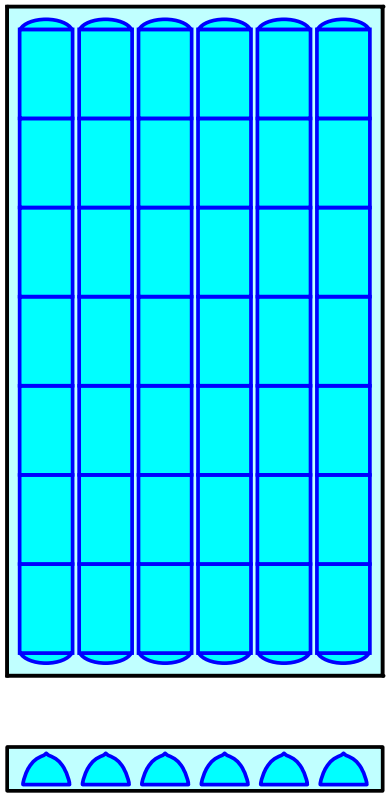
7 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 51.46' Row Length +12.0" End Stone x 2 = 53.46' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

42 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 1,961.3 cf Chamber Storage

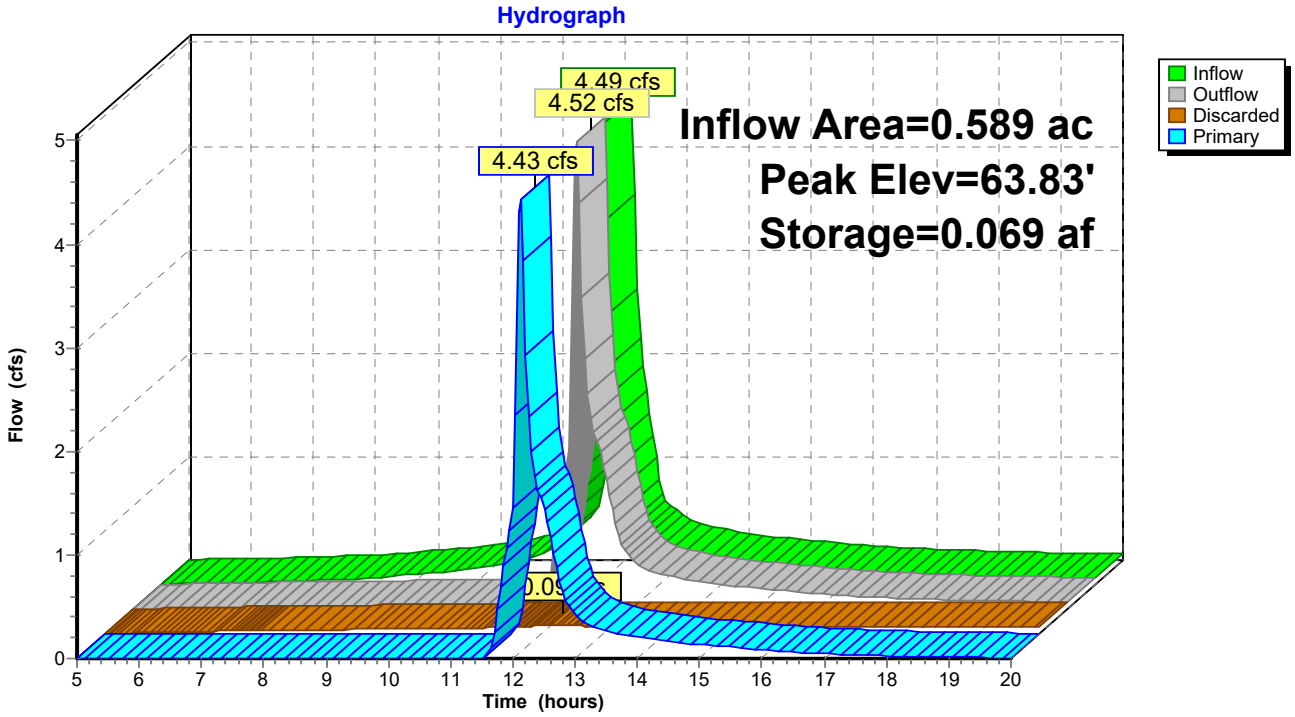
5,613.0 cf Field - 1,961.3 cf Chambers = 3,651.6 cf Stone x 40.0% Voids = 1,460.6 cf Stone Storage

Chamber Storage + Stone Storage = 3,422.0 cf = 0.079 af
Overall Storage Efficiency = 61.0%
Overall System Size = 53.46' x 30.00' x 3.50'

42 Chambers
207.9 cy Field
135.2 cy Stone



Pond 86P: Sub. Inf. 6



Stage-Area-Storage for Pond 86P: Sub. Inf. 6

Elevation (feet)	Surface (acres)	Storage (acre-feet)
61.00	**0.037**	0.000
61.05	0.037	0.001
61.10	0.037	0.001
61.15	0.037	0.002
61.20	0.037	0.003
61.25	0.037	0.004
61.30	0.037	0.004
61.35	0.037	0.005
61.40	0.037	0.006
61.45	0.037	0.007
61.50	0.037	0.007
61.55	0.037	0.009
61.60	0.037	0.010
61.65	0.037	0.012
61.70	0.037	0.013
61.75	0.037	0.015
61.80	0.037	0.016
61.85	0.037	0.018
61.90	0.037	0.019
61.95	0.037	0.021
62.00	0.037	0.022
62.05	0.037	0.024
62.10	0.037	0.025
62.15	0.037	0.027
62.20	0.037	0.028
62.25	0.037	0.030
62.30	0.037	0.031
62.35	0.037	0.032
62.40	0.037	0.034
62.45	0.037	0.035
62.50	0.037	0.037
62.55	0.037	0.038
62.60	0.037	0.040
62.65	0.037	0.041
62.70	0.037	0.042
62.75	0.037	0.044
62.80	0.037	0.045
62.85	0.037	0.046
62.90	0.037	0.048
62.95	0.037	0.049
63.00	0.037	0.050
63.05	0.037	0.051
63.10	0.037	0.053
63.15	0.037	0.054
63.20	0.037	0.055
63.25	0.037	0.056
63.30	0.037	0.058
63.35	0.037	0.059
63.40	0.037	0.060
63.45	0.037	0.061
63.50	0.037	0.062
63.55	0.037	0.063
63.60	0.037	0.064
63.65	0.037	0.065
63.70	0.037	0.066
63.75	0.037	0.067
63.80	0.037	0.068
63.85	0.037	0.069
63.90	0.037	0.070
63.95	0.037	0.070
64.00	0.037	0.071
64.05	0.037	0.072
64.10	0.037	0.073
64.15	0.037	0.073
64.20	0.037	0.074
64.25	0.037	0.075
64.30	0.037	0.076
64.35	0.037	0.076
64.40	0.037	0.077
64.45	0.037	0.078
64.50	0.037	**0.079**

Summary for Pond 87P: CB 85

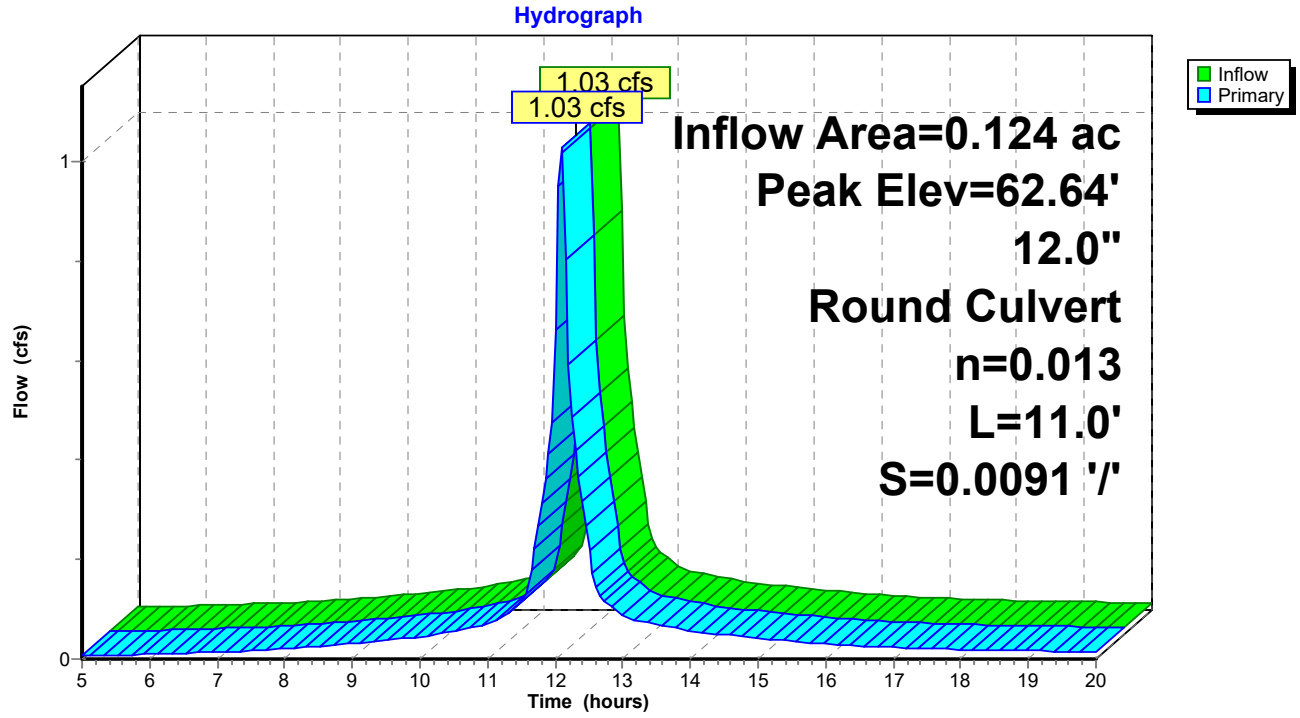
Inflow Area = 0.124 ac, 69.69% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 1.03 cfs @ 12.09 hrs, Volume= 0.076 af
Outflow = 1.03 cfs @ 12.09 hrs, Volume= 0.076 af, Atten= 0%, Lag= 0.0 min
Primary = 1.03 cfs @ 12.09 hrs, Volume= 0.076 af
Routed to Pond 92P : DMH 63

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.64' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=62.63' (Free Discharge)
1=Culvert (Barrel Controls 1.00 cfs @ 2.71 fps)

Pond 87P: CB 85



Stage-Area-Storage for Pond 87P: CB 85

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000		
62.49	0.000		
62.50	0.000		
62.51	0.000		
62.52	0.000		

Summary for Pond 88P: CB 84

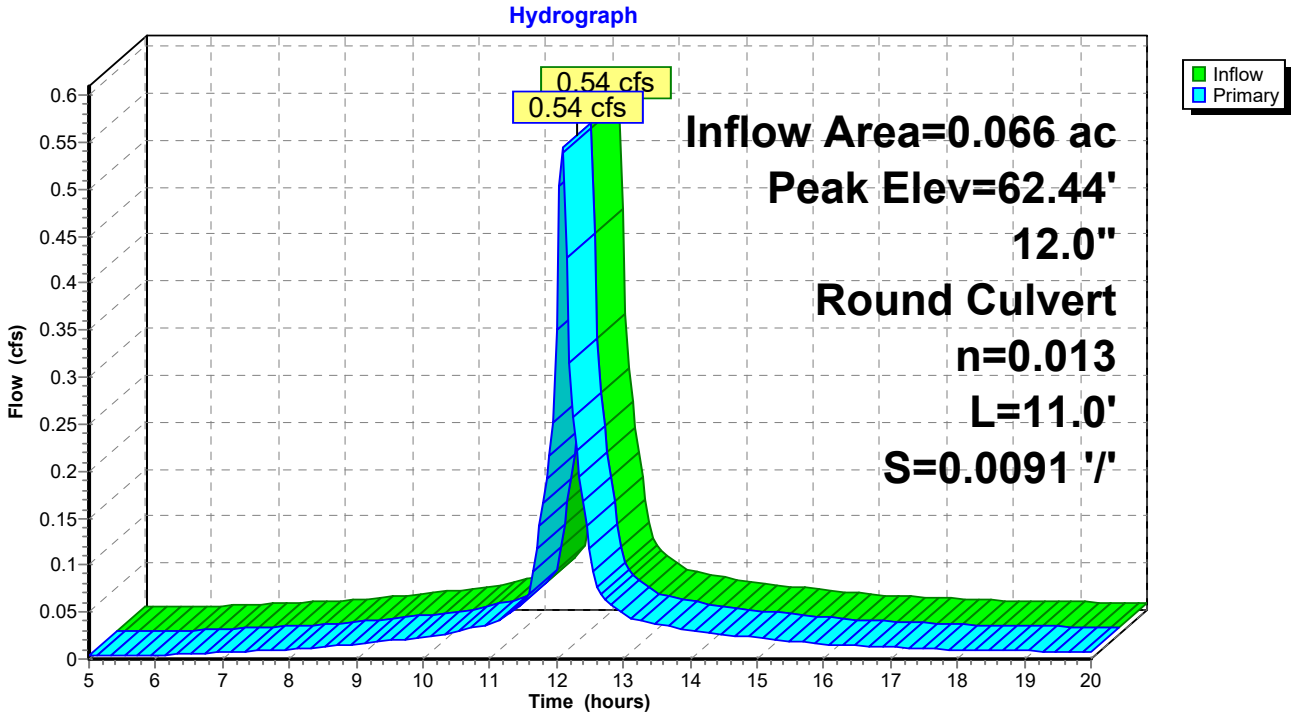
Inflow Area = 0.066 ac, 66.55% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 0.040 af
Outflow = 0.54 cfs @ 12.09 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.54 cfs @ 12.09 hrs, Volume= 0.040 af
Routed to Pond 92P : DMH 63

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.44' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.53 cfs @ 12.09 hrs HW=62.44' (Free Discharge)
1=Culvert (Barrel Controls 0.53 cfs @ 2.36 fps)

Pond 88P: CB 84



Stage-Area-Storage for Pond 88P: CB 84

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000	62.81	0.000
62.29	0.000	62.82	0.000
62.30	0.000	62.83	0.000
62.31	0.000	62.84	0.000
62.32	0.000	62.85	0.000
62.33	0.000	62.86	0.000
62.34	0.000	62.87	0.000
62.35	0.000	62.88	0.000
62.36	0.000	62.89	0.000
62.37	0.000	62.90	0.000
62.38	0.000	62.91	0.000
62.39	0.000	62.92	0.000
62.40	0.000	62.93	0.000
62.41	0.000	62.94	0.000
62.42	0.000	62.95	0.000
62.43	0.000	62.96	0.000
62.44	0.000	62.97	0.000
62.45	0.000	62.98	0.000
62.46	0.000	62.99	0.000
62.47	0.000	63.00	0.000
62.48	0.000		
62.49	0.000		
62.50	0.000		
62.51	0.000		
62.52	0.000		

Summary for Pond 89P: CB 74

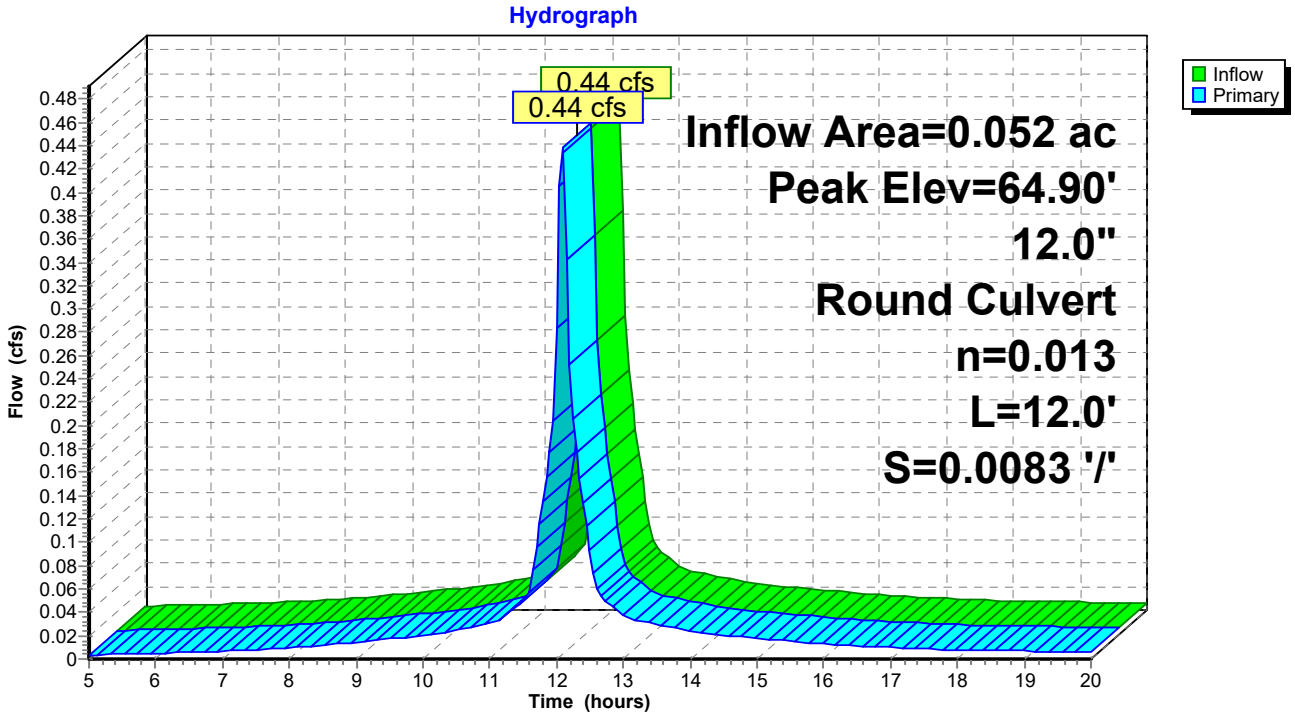
Inflow Area = 0.052 ac, 80.20% Impervious, Inflow Depth > 7.60" for 100-Year event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af
Routed to Pond 91P : DMH 55

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.50'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.50' / 64.40' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=64.89' (Free Discharge)
1=Culvert (Barrel Controls 0.43 cfs @ 2.23 fps)

Pond 89P: CB 74



Stage-Area-Storage for Pond 89P: CB 74

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.50	**0.000**	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000	65.31	0.000
64.79	0.000	65.32	0.000
64.80	0.000	65.33	0.000
64.81	0.000	65.34	0.000
64.82	0.000	65.35	0.000
64.83	0.000	65.36	0.000
64.84	0.000	65.37	0.000
64.85	0.000	65.38	0.000
64.86	0.000	65.39	0.000
64.87	0.000	65.40	0.000
64.88	0.000	65.41	0.000
64.89	0.000	65.42	0.000
64.90	0.000	65.43	0.000
64.91	0.000	65.44	0.000
64.92	0.000	65.45	0.000
64.93	0.000	65.46	0.000
64.94	0.000	65.47	0.000
64.95	0.000	65.48	0.000
64.96	0.000	65.49	0.000
64.97	0.000	65.50	0.000
64.98	0.000		
64.99	0.000		
65.00	0.000		
65.01	0.000		
65.02	0.000		

Summary for Pond 90P: CB 75

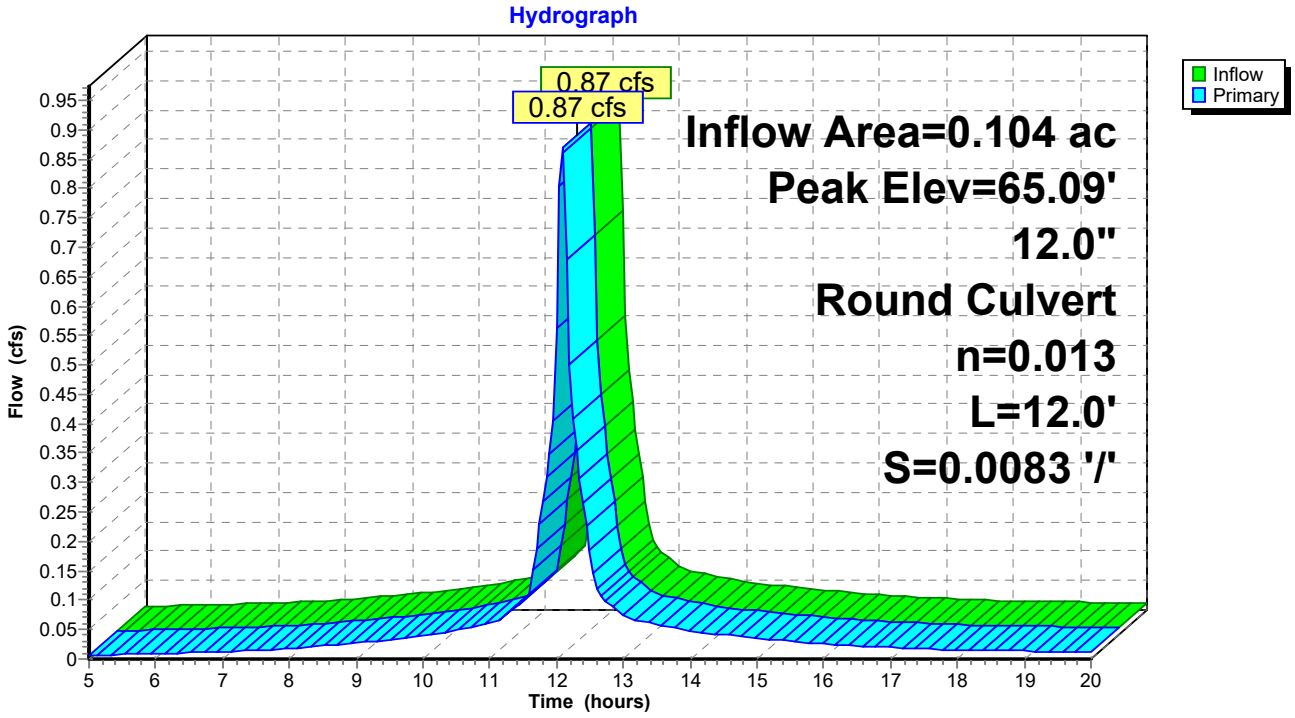
Inflow Area = 0.104 ac, 76.91% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 0.87 cfs @ 12.09 hrs, Volume= 0.065 af
Outflow = 0.87 cfs @ 12.09 hrs, Volume= 0.065 af, Atten= 0%, Lag= 0.0 min
Primary = 0.87 cfs @ 12.09 hrs, Volume= 0.065 af
Routed to Pond 91P : DMH 55

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 65.09' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.50'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.50' / 64.40' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.85 cfs @ 12.09 hrs HW=65.08' (Free Discharge)
1=Culvert (Barrel Controls 0.85 cfs @ 2.60 fps)

Pond 90P: CB 75



Stage-Area-Storage for Pond 90P: CB 75

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.50	**0.000**	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000	65.31	0.000
64.79	0.000	65.32	0.000
64.80	0.000	65.33	0.000
64.81	0.000	65.34	0.000
64.82	0.000	65.35	0.000
64.83	0.000	65.36	0.000
64.84	0.000	65.37	0.000
64.85	0.000	65.38	0.000
64.86	0.000	65.39	0.000
64.87	0.000	65.40	0.000
64.88	0.000	65.41	0.000
64.89	0.000	65.42	0.000
64.90	0.000	65.43	0.000
64.91	0.000	65.44	0.000
64.92	0.000	65.45	0.000
64.93	0.000	65.46	0.000
64.94	0.000	65.47	0.000
64.95	0.000	65.48	0.000
64.96	0.000	65.49	0.000
64.97	0.000	65.50	0.000
64.98	0.000		
64.99	0.000		
65.00	0.000		
65.01	0.000		
65.02	0.000		

Summary for Pond 91P: DMH 55

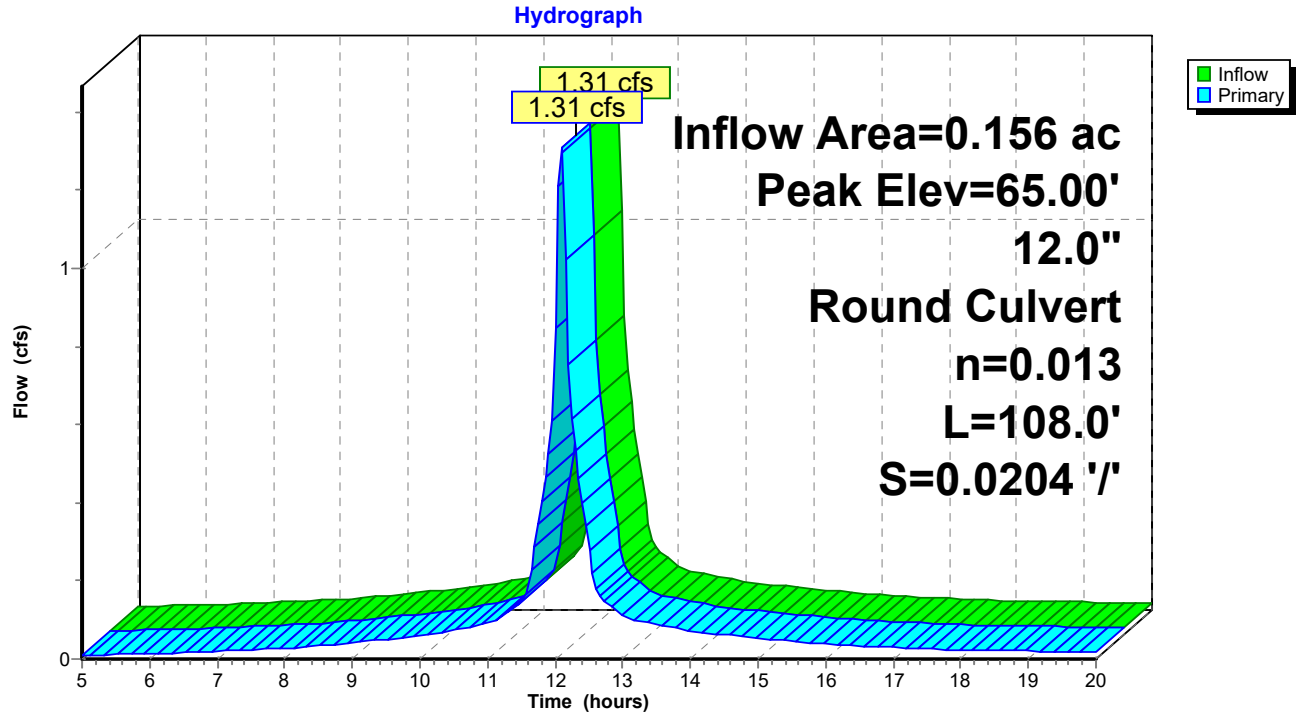
Inflow Area = 0.156 ac, 78.01% Impervious, Inflow Depth > 7.53" for 100-Year event
Inflow = 1.31 cfs @ 12.09 hrs, Volume= 0.098 af
Outflow = 1.31 cfs @ 12.09 hrs, Volume= 0.098 af, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.09 hrs, Volume= 0.098 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 65.00' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	64.30'	**12.0" Round Culvert** L= 108.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 64.30' / 62.10' S= 0.0204 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.27 cfs @ 12.09 hrs HW=64.98' (Free Discharge)
1=Culvert (Inlet Controls 1.27 cfs @ 2.22 fps)

Pond 91P: DMH 55



Stage-Area-Storage for Pond 91P: DMH 55

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
64.30	**0.000**	64.83	0.000
64.31	0.000	64.84	0.000
64.32	0.000	64.85	0.000
64.33	0.000	64.86	0.000
64.34	0.000	64.87	0.000
64.35	0.000	64.88	0.000
64.36	0.000	64.89	0.000
64.37	0.000	64.90	0.000
64.38	0.000	64.91	0.000
64.39	0.000	64.92	0.000
64.40	0.000	64.93	0.000
64.41	0.000	64.94	0.000
64.42	0.000	64.95	0.000
64.43	0.000	64.96	0.000
64.44	0.000	64.97	0.000
64.45	0.000	64.98	0.000
64.46	0.000	64.99	0.000
64.47	0.000	65.00	0.000
64.48	0.000	65.01	0.000
64.49	0.000	65.02	0.000
64.50	0.000	65.03	0.000
64.51	0.000	65.04	0.000
64.52	0.000	65.05	0.000
64.53	0.000	65.06	0.000
64.54	0.000	65.07	0.000
64.55	0.000	65.08	0.000
64.56	0.000	65.09	0.000
64.57	0.000	65.10	0.000
64.58	0.000	65.11	0.000
64.59	0.000	65.12	0.000
64.60	0.000	65.13	0.000
64.61	0.000	65.14	0.000
64.62	0.000	65.15	0.000
64.63	0.000	65.16	0.000
64.64	0.000	65.17	0.000
64.65	0.000	65.18	0.000
64.66	0.000	65.19	0.000
64.67	0.000	65.20	0.000
64.68	0.000	65.21	0.000
64.69	0.000	65.22	0.000
64.70	0.000	65.23	0.000
64.71	0.000	65.24	0.000
64.72	0.000	65.25	0.000
64.73	0.000	65.26	0.000
64.74	0.000	65.27	0.000
64.75	0.000	65.28	0.000
64.76	0.000	65.29	0.000
64.77	0.000	65.30	0.000
64.78	0.000		
64.79	0.000		
64.80	0.000		
64.81	0.000		
64.82	0.000		

Summary for Pond 92P: DMH 63

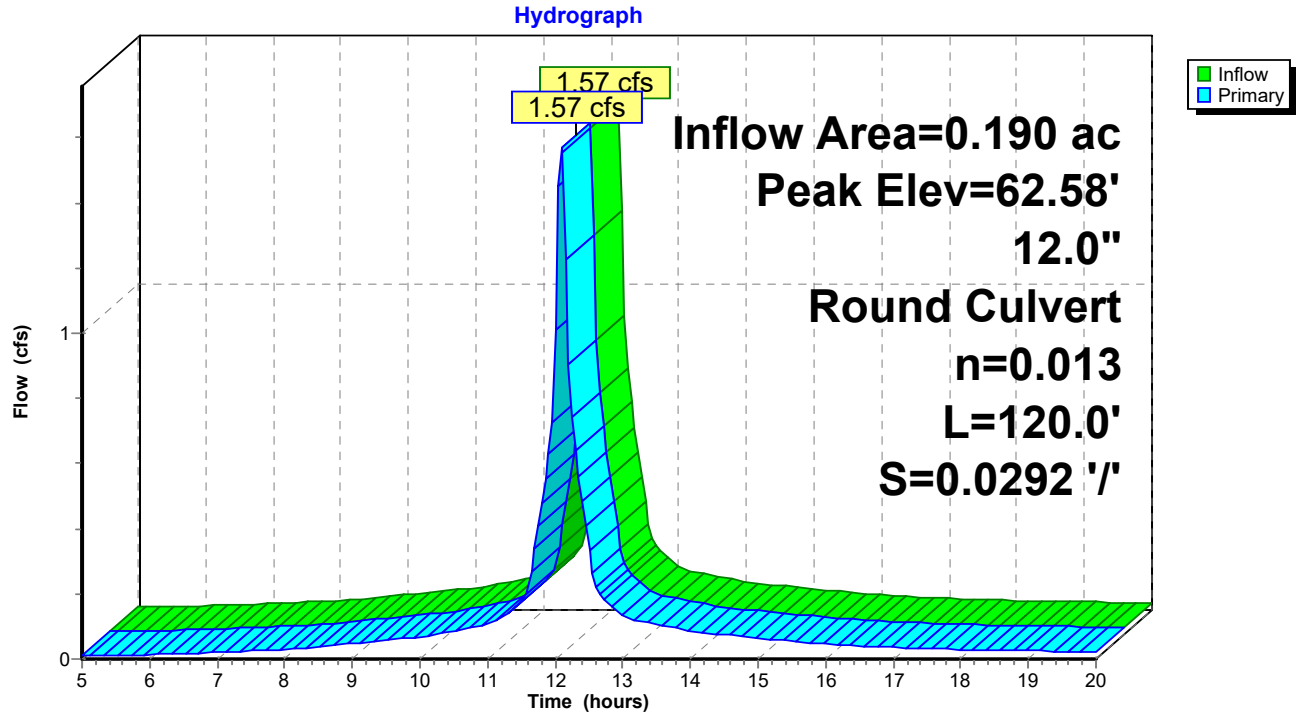
Inflow Area = 0.190 ac, 68.59% Impervious, Inflow Depth > 7.36" for 100-Year event
Inflow = 1.57 cfs @ 12.09 hrs, Volume= 0.117 af
Outflow = 1.57 cfs @ 12.09 hrs, Volume= 0.117 af, Atten= 0%, Lag= 0.0 min
Primary = 1.57 cfs @ 12.09 hrs, Volume= 0.117 af
Routed to Pond 93P : DMH 62

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.58' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.80'	**12.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.80' / 58.30' S= 0.0292 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.53 cfs @ 12.09 hrs HW=62.57' (Free Discharge)
1=Culvert (Inlet Controls 1.53 cfs @ 2.36 fps)

Pond 92P: DMH 63



Stage-Area-Storage for Pond 92P: DMH 63

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.80	**0.000**	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000	62.41	0.000
61.89	0.000	62.42	0.000
61.90	0.000	62.43	0.000
61.91	0.000	62.44	0.000
61.92	0.000	62.45	0.000
61.93	0.000	62.46	0.000
61.94	0.000	62.47	0.000
61.95	0.000	62.48	0.000
61.96	0.000	62.49	0.000
61.97	0.000	62.50	0.000
61.98	0.000	62.51	0.000
61.99	0.000	62.52	0.000
62.00	0.000	62.53	0.000
62.01	0.000	62.54	0.000
62.02	0.000	62.55	0.000
62.03	0.000	62.56	0.000
62.04	0.000	62.57	0.000
62.05	0.000	62.58	0.000
62.06	0.000	62.59	0.000
62.07	0.000	62.60	0.000
62.08	0.000	62.61	0.000
62.09	0.000	62.62	0.000
62.10	0.000	62.63	0.000
62.11	0.000	62.64	0.000
62.12	0.000	62.65	0.000
62.13	0.000	62.66	0.000
62.14	0.000	62.67	0.000
62.15	0.000	62.68	0.000
62.16	0.000	62.69	0.000
62.17	0.000	62.70	0.000
62.18	0.000	62.71	0.000
62.19	0.000	62.72	0.000
62.20	0.000	62.73	0.000
62.21	0.000	62.74	0.000
62.22	0.000	62.75	0.000
62.23	0.000	62.76	0.000
62.24	0.000	62.77	0.000
62.25	0.000	62.78	0.000
62.26	0.000	62.79	0.000
62.27	0.000	62.80	0.000
62.28	0.000		
62.29	0.000		
62.30	0.000		
62.31	0.000		
62.32	0.000		

Summary for Pond 93P: DMH 62

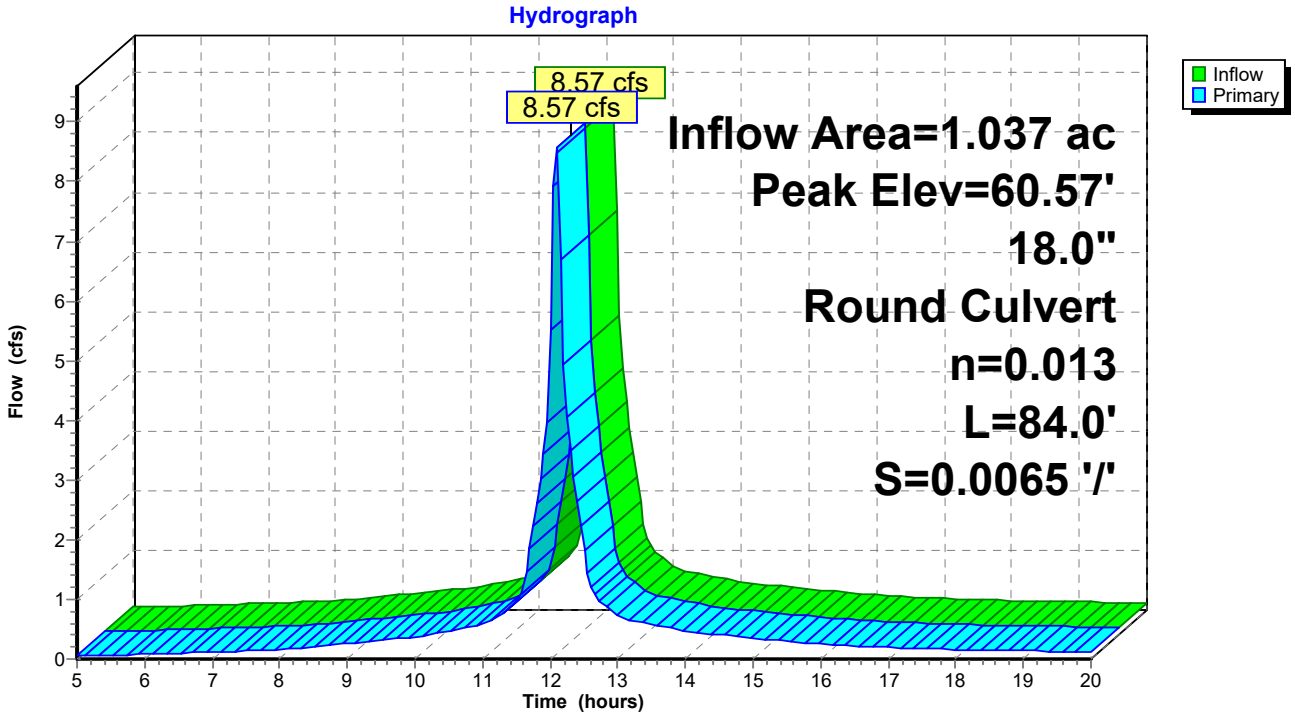
Inflow Area = 1.037 ac, 70.16% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 8.57 cfs @ 12.09 hrs, Volume= 0.637 af
Outflow = 8.57 cfs @ 12.09 hrs, Volume= 0.637 af, Atten= 0%, Lag= 0.0 min
Primary = 8.57 cfs @ 12.09 hrs, Volume= 0.637 af
Routed to Pond 209P : DMH 64

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.57' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.20'	**18.0" Round Culvert** L= 84.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.20' / 57.65' S= 0.0065 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=8.35 cfs @ 12.09 hrs HW=60.49' (Free Discharge)
1=Culvert (Inlet Controls 8.35 cfs @ 4.72 fps)

Pond 93P: DMH 62



Stage-Area-Storage for Pond 93P: DMH 62

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.20	**0.000**	59.26	0.000	60.32	0.000
58.22	0.000	59.28	0.000	60.34	0.000
58.24	0.000	59.30	0.000	60.36	0.000
58.26	0.000	59.32	0.000	60.38	0.000
58.28	0.000	59.34	0.000	60.40	0.000
58.30	0.000	59.36	0.000	60.42	0.000
58.32	0.000	59.38	0.000	60.44	0.000
58.34	0.000	59.40	0.000	60.46	0.000
58.36	0.000	59.42	0.000	60.48	0.000
58.38	0.000	59.44	0.000	60.50	0.000
58.40	0.000	59.46	0.000	60.52	0.000
58.42	0.000	59.48	0.000	60.54	0.000
58.44	0.000	59.50	0.000	60.56	0.000
58.46	0.000	59.52	0.000		
58.48	0.000	59.54	0.000		
58.50	0.000	59.56	0.000		
58.52	0.000	59.58	0.000		
58.54	0.000	59.60	0.000		
58.56	0.000	59.62	0.000		
58.58	0.000	59.64	0.000		
58.60	0.000	59.66	0.000		
58.62	0.000	59.68	0.000		
58.64	0.000	59.70	0.000		
58.66	0.000	59.72	0.000		
58.68	0.000	59.74	0.000		
58.70	0.000	59.76	0.000		
58.72	0.000	59.78	0.000		
58.74	0.000	59.80	0.000		
58.76	0.000	59.82	0.000		
58.78	0.000	59.84	0.000		
58.80	0.000	59.86	0.000		
58.82	0.000	59.88	0.000		
58.84	0.000	59.90	0.000		
58.86	0.000	59.92	0.000		
58.88	0.000	59.94	0.000		
58.90	0.000	59.96	0.000		
58.92	0.000	59.98	0.000		
58.94	0.000	60.00	0.000		
58.96	0.000	60.02	0.000		
58.98	0.000	60.04	0.000		
59.00	0.000	60.06	0.000		
59.02	0.000	60.08	0.000		
59.04	0.000	60.10	0.000		
59.06	0.000	60.12	0.000		
59.08	0.000	60.14	0.000		
59.10	0.000	60.16	0.000		
59.12	0.000	60.18	0.000		
59.14	0.000	60.20	0.000		
59.16	0.000	60.22	0.000		
59.18	0.000	60.24	0.000		
59.20	0.000	60.26	0.000		
59.22	0.000	60.28	0.000		
59.24	0.000	60.30	0.000		

Summary for Pond 94P: CB 77

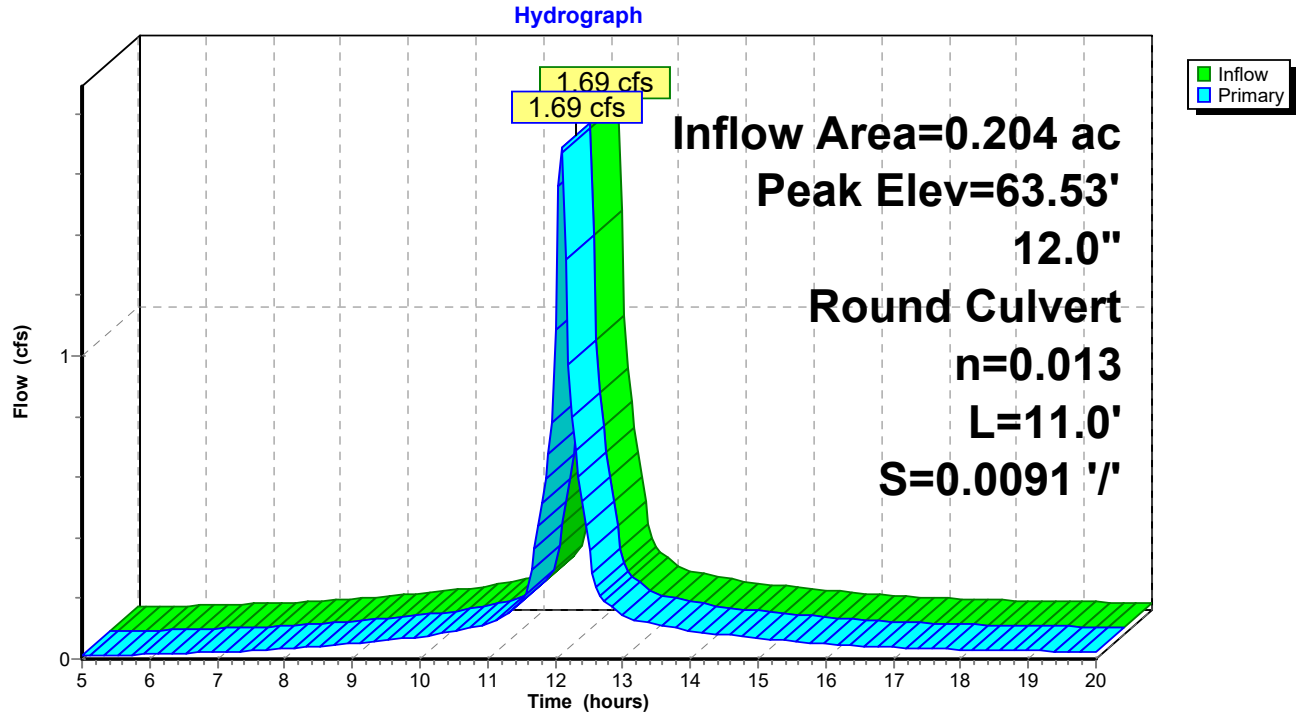
Inflow Area = 0.204 ac, 71.21% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 1.69 cfs @ 12.09 hrs, Volume= 0.126 af
Outflow = 1.69 cfs @ 12.09 hrs, Volume= 0.126 af, Atten= 0%, Lag= 0.0 min
Primary = 1.69 cfs @ 12.09 hrs, Volume= 0.126 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.53' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.65'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.65' / 62.55' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.65 cfs @ 12.09 hrs HW=63.52' (Free Discharge)
1=Culvert (Barrel Controls 1.65 cfs @ 3.05 fps)

Pond 94P: CB 77



Stage-Area-Storage for Pond 94P: CB 77

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.65	**0.000**	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000	63.31	0.000
62.79	0.000	63.32	0.000
62.80	0.000	63.33	0.000
62.81	0.000	63.34	0.000
62.82	0.000	63.35	0.000
62.83	0.000	63.36	0.000
62.84	0.000	63.37	0.000
62.85	0.000	63.38	0.000
62.86	0.000	63.39	0.000
62.87	0.000	63.40	0.000
62.88	0.000	63.41	0.000
62.89	0.000	63.42	0.000
62.90	0.000	63.43	0.000
62.91	0.000	63.44	0.000
62.92	0.000	63.45	0.000
62.93	0.000	63.46	0.000
62.94	0.000	63.47	0.000
62.95	0.000	63.48	0.000
62.96	0.000	63.49	0.000
62.97	0.000	63.50	0.000
62.98	0.000	63.51	0.000
62.99	0.000	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000		
63.14	0.000		
63.15	0.000		
63.16	0.000		
63.17	0.000		

Summary for Pond 95P: CB 76

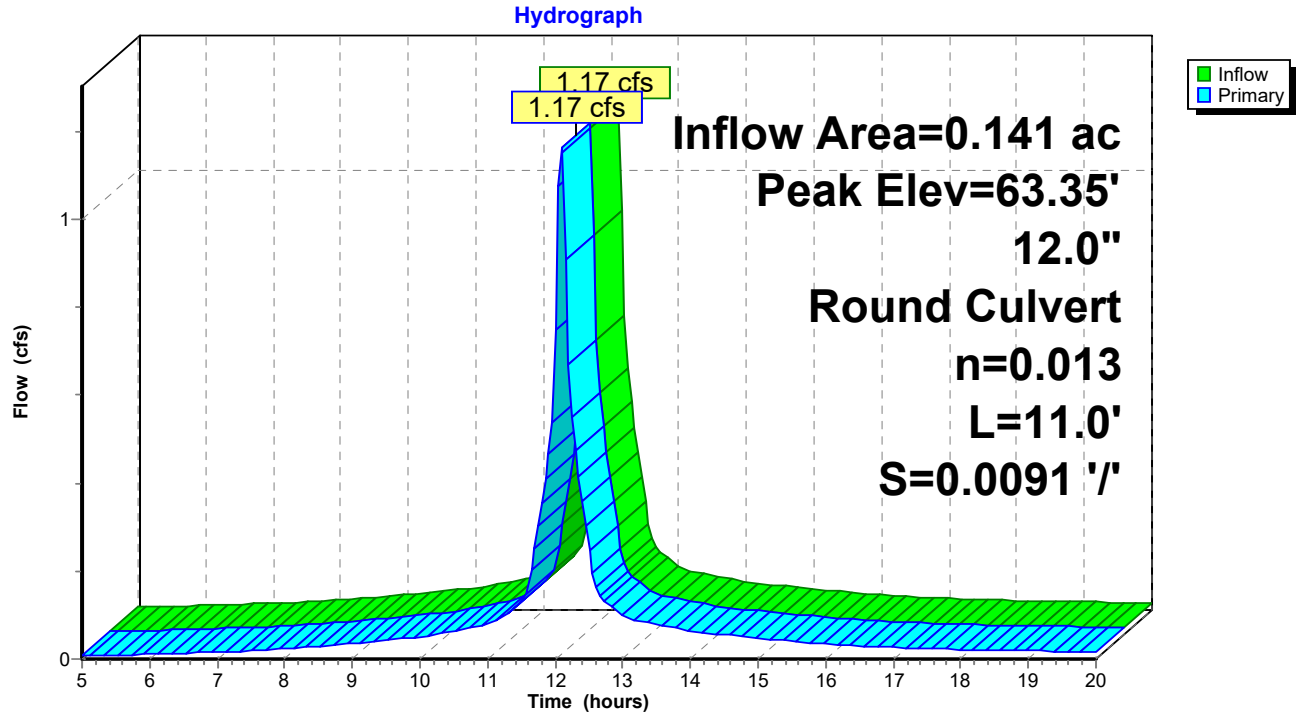
Inflow Area = 0.141 ac, 70.69% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 1.17 cfs @ 12.09 hrs, Volume= 0.087 af
Outflow = 1.17 cfs @ 12.09 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.0 min
Primary = 1.17 cfs @ 12.09 hrs, Volume= 0.087 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.35' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.65'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.65' / 62.55' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.13 cfs @ 12.09 hrs HW=63.33' (Free Discharge)
1=Culvert (Barrel Controls 1.13 cfs @ 2.79 fps)

Pond 95P: CB 76



Stage-Area-Storage for Pond 95P: CB 76

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.65	**0.000**	63.18	0.000
62.66	0.000	63.19	0.000
62.67	0.000	63.20	0.000
62.68	0.000	63.21	0.000
62.69	0.000	63.22	0.000
62.70	0.000	63.23	0.000
62.71	0.000	63.24	0.000
62.72	0.000	63.25	0.000
62.73	0.000	63.26	0.000
62.74	0.000	63.27	0.000
62.75	0.000	63.28	0.000
62.76	0.000	63.29	0.000
62.77	0.000	63.30	0.000
62.78	0.000	63.31	0.000
62.79	0.000	63.32	0.000
62.80	0.000	63.33	0.000
62.81	0.000	63.34	0.000
62.82	0.000	63.35	0.000
62.83	0.000	63.36	0.000
62.84	0.000	63.37	0.000
62.85	0.000	63.38	0.000
62.86	0.000	63.39	0.000
62.87	0.000	63.40	0.000
62.88	0.000	63.41	0.000
62.89	0.000	63.42	0.000
62.90	0.000	63.43	0.000
62.91	0.000	63.44	0.000
62.92	0.000	63.45	0.000
62.93	0.000	63.46	0.000
62.94	0.000	63.47	0.000
62.95	0.000	63.48	0.000
62.96	0.000	63.49	0.000
62.97	0.000	63.50	0.000
62.98	0.000	63.51	0.000
62.99	0.000	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000		
63.14	0.000		
63.15	0.000		
63.16	0.000		
63.17	0.000		

Summary for Pond 96P: DMH 56

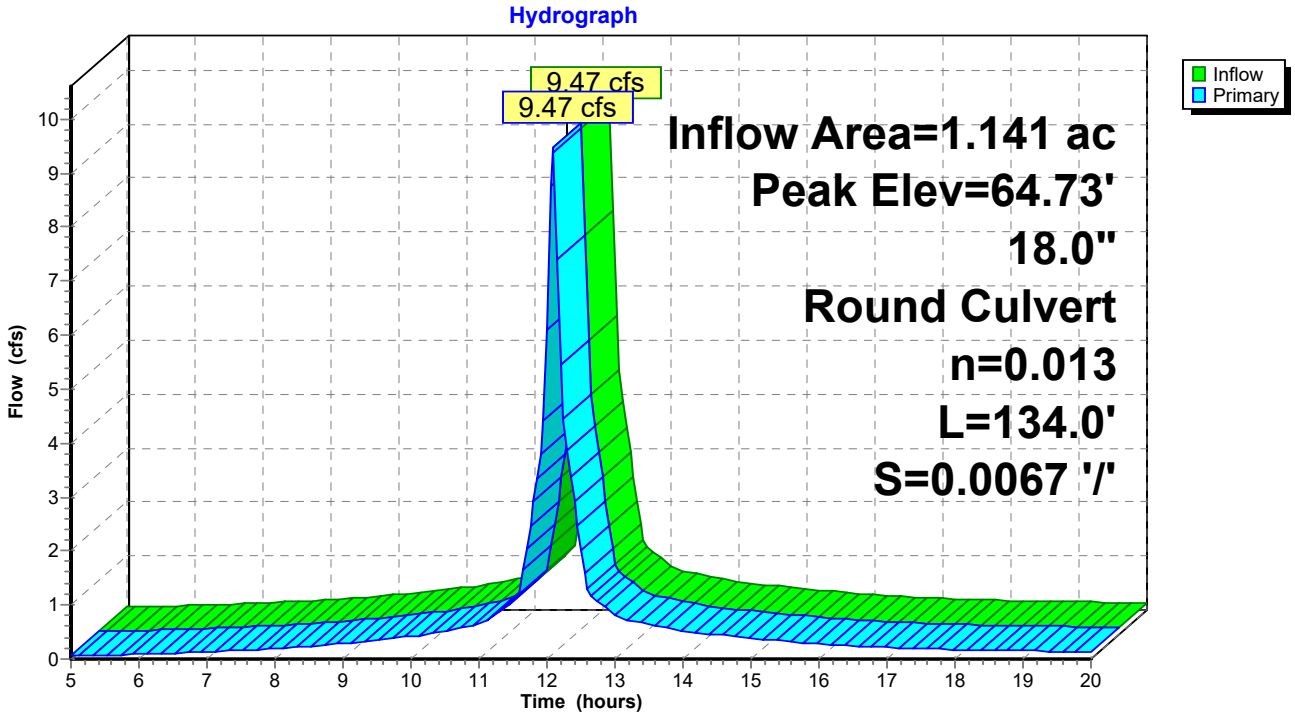
Inflow Area = 1.141 ac, 72.03% Impervious, Inflow Depth > 7.43" for 100-Year event
Inflow = 9.47 cfs @ 12.09 hrs, Volume= 0.706 af
Outflow = 9.47 cfs @ 12.09 hrs, Volume= 0.706 af, Atten= 0%, Lag= 0.0 min
Primary = 9.47 cfs @ 12.09 hrs, Volume= 0.706 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.73' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.00'	**18.0" Round Culvert** L= 134.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.10' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=9.23 cfs @ 12.09 hrs HW=64.64' (Free Discharge)
1=Culvert (Inlet Controls 9.23 cfs @ 5.22 fps)

Pond 96P: DMH 56



Stage-Area-Storage for Pond 96P: DMH 56

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.00	**0.000**	63.06	0.000	64.12	0.000
62.02	0.000	63.08	0.000	64.14	0.000
62.04	0.000	63.10	0.000	64.16	0.000
62.06	0.000	63.12	0.000	64.18	0.000
62.08	0.000	63.14	0.000	64.20	0.000
62.10	0.000	63.16	0.000	64.22	0.000
62.12	0.000	63.18	0.000	64.24	0.000
62.14	0.000	63.20	0.000	64.26	0.000
62.16	0.000	63.22	0.000	64.28	0.000
62.18	0.000	63.24	0.000	64.30	0.000
62.20	0.000	63.26	0.000	64.32	0.000
62.22	0.000	63.28	0.000	64.34	0.000
62.24	0.000	63.30	0.000	64.36	0.000
62.26	0.000	63.32	0.000	64.38	0.000
62.28	0.000	63.34	0.000	64.40	0.000
62.30	0.000	63.36	0.000	64.42	0.000
62.32	0.000	63.38	0.000	64.44	0.000
62.34	0.000	63.40	0.000	64.46	0.000
62.36	0.000	63.42	0.000	64.48	0.000
62.38	0.000	63.44	0.000	64.50	0.000
62.40	0.000	63.46	0.000	64.52	0.000
62.42	0.000	63.48	0.000	64.54	0.000
62.44	0.000	63.50	0.000	64.56	0.000
62.46	0.000	63.52	0.000	64.58	0.000
62.48	0.000	63.54	0.000	64.60	0.000
62.50	0.000	63.56	0.000	64.62	0.000
62.52	0.000	63.58	0.000	64.64	0.000
62.54	0.000	63.60	0.000	64.66	0.000
62.56	0.000	63.62	0.000	64.68	0.000
62.58	0.000	63.64	0.000	64.70	0.000
62.60	0.000	63.66	0.000	64.72	0.000
62.62	0.000	63.68	0.000		
62.64	0.000	63.70	0.000		
62.66	0.000	63.72	0.000		
62.68	0.000	63.74	0.000		
62.70	0.000	63.76	0.000		
62.72	0.000	63.78	0.000		
62.74	0.000	63.80	0.000		
62.76	0.000	63.82	0.000		
62.78	0.000	63.84	0.000		
62.80	0.000	63.86	0.000		
62.82	0.000	63.88	0.000		
62.84	0.000	63.90	0.000		
62.86	0.000	63.92	0.000		
62.88	0.000	63.94	0.000		
62.90	0.000	63.96	0.000		
62.92	0.000	63.98	0.000		
62.94	0.000	64.00	0.000		
62.96	0.000	64.02	0.000		
62.98	0.000	64.04	0.000		
63.00	0.000	64.06	0.000		
63.02	0.000	64.08	0.000		
63.04	0.000	64.10	0.000		

Summary for Pond 97P: Sub. Det. 2

Inflow Area = 1.404 ac, 71.59% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 11.64 cfs @ 12.09 hrs, Volume= 0.867 af
Outflow = 9.14 cfs @ 12.16 hrs, Volume= 0.566 af, Atten= 21%, Lag= 4.5 min
Primary = 9.14 cfs @ 12.16 hrs, Volume= 0.566 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.49' @ 12.16 hrs Surf.Area= 0.088 ac Storage= 0.376 af

Plug-Flow detention time= 151.0 min calculated for 0.566 af (65% of inflow)
Center-of-Mass det. time= 78.5 min (824.0 - 745.5)

Volume	Invert	Avail.Storage	Storage Description
#1A	57.50'	0.014 af	**66.00'W x 58.00'L x 5.71'H Field A** 0.502 af Overall - 0.467 af Embedded = 0.035 af x 40.0% Voids
#2A	57.54'	0.367 af	**Shea Leaching Chamber 8x14x5.7** x 32 Inside #1 Inside= 84.0"W x 60.0"H => 38.46 sf x 13.00'L = 500.0 cf Outside= 96.0"W x 68.0"H => 45.36 sf x 14.00'L = 635.0 cf 32 Chambers in 8 Rows
		0.381 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	57.50'	**18.0" Round Culvert** L= 30.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.50' / 53.00' S= 0.1500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	57.50'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	60.50'	**2.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 1	61.70'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=8.91 cfs @ 12.16 hrs HW=62.47' (Free Discharge)
└**1=Culvert** (Passes 8.91 cfs of 13.81 cfs potential flow)
├**2=Orifice/Grate** (Orifice Controls 0.06 cfs @ 10.69 fps)
├**3=Orifice/Grate** (Orifice Controls 0.29 cfs @ 6.62 fps)
└**4=Sharp-Crested Rectangular Weir** (Weir Controls 8.56 cfs @ 2.88 fps)

Pond 97P: Sub. Det. 2 - Chamber Wizard Field A

Chamber Model = Shea Leaching Chamber 8x14x5.7 (Shea Galley)
Inside= 84.0"W x 60.0"H => 38.46 sf x 13.00'L = 500.0 cf
Outside= 96.0"W x 68.0"H => 45.36 sf x 14.00'L = 635.0 cf

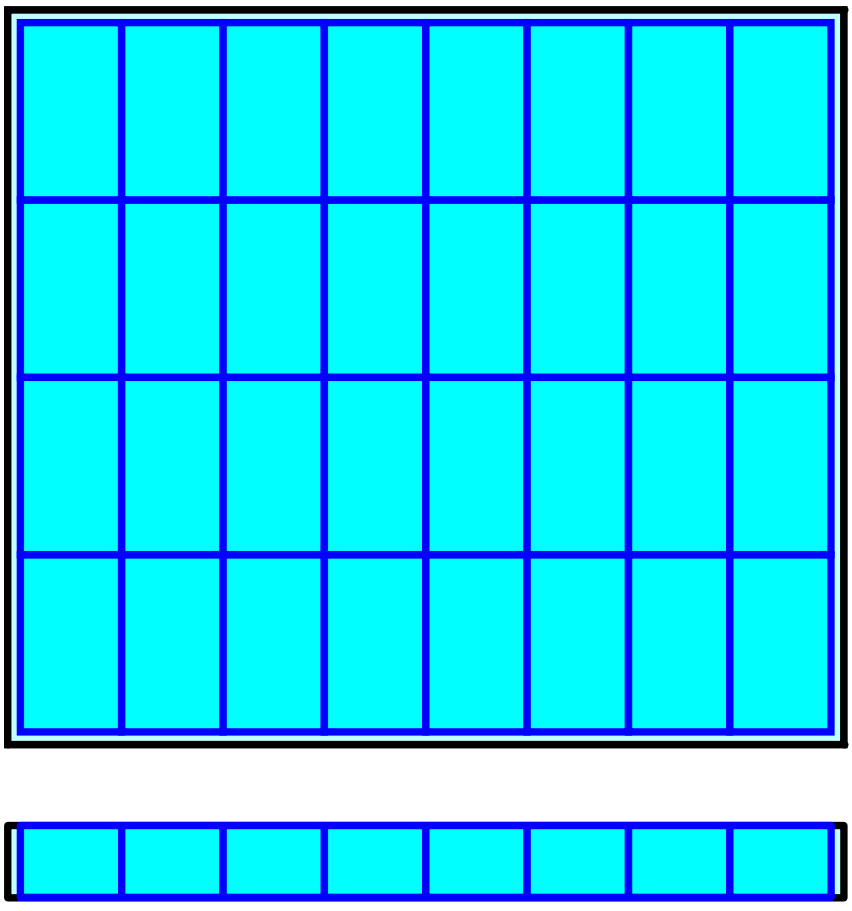
4 Chambers/Row x 14.00' Long = 56.00' Row Length +12.0" End Stone x 2 = 58.00' Base Length
8 Rows x 96.0" Wide + 12.0" Side Stone x 2 = 66.00' Base Width
0.5" Stone Base + 68.0" Chamber Height = 5.71' Field Height

32 Chambers x 500.0 cf = 16,000.0 cf Chamber Storage
32 Chambers x 635.0 cf = 20,321.3 cf Displacement

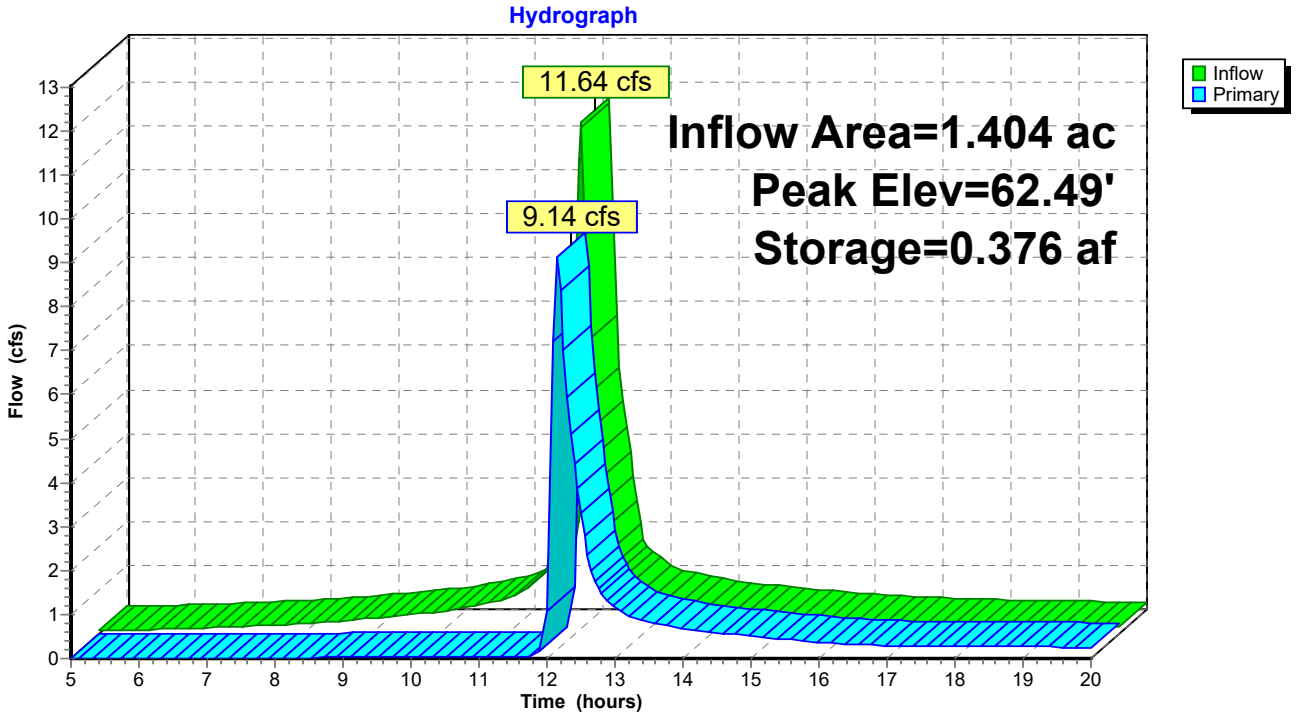
21,864.3 cf Field - 20,321.3 cf Chambers = 1,543.0 cf Stone x 40.0% Voids = 617.2 cf Stone Storage

Chamber Storage + Stone Storage = 16,617.2 cf = 0.381 af
Overall Storage Efficiency = 76.0%
Overall System Size = 58.00' x 66.00' x 5.71'

32 Chambers
809.8 cy Field
57.1 cy Stone



Pond 97P: Sub. Det. 2



Stage-Area-Storage for Pond 97P: Sub. Det. 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.50	0.000	60.15	0.199	62.80	0.381
57.55	0.002	60.20	0.203	62.85	0.381
57.60	0.006	60.25	0.206	62.90	0.381
57.65	0.010	60.30	0.210	62.95	0.381
57.70	0.013	60.35	0.214	63.00	0.381
57.75	0.017	60.40	0.218	63.05	0.381
57.80	0.021	60.45	0.222	63.10	0.381
57.85	0.025	60.50	0.225	63.15	0.381
57.90	0.029	60.55	0.229	63.20	**0.381**
57.95	0.032	60.60	0.233		
58.00	0.036	60.65	0.237		
58.05	0.040	60.70	0.241		
58.10	0.044	60.75	0.244		
58.15	0.048	60.80	0.248		
58.20	0.051	60.85	0.252		
58.25	0.055	60.90	0.256		
58.30	0.059	60.95	0.259		
58.35	0.063	61.00	0.263		
58.40	0.066	61.05	0.267		
58.45	0.070	61.10	0.271		
58.50	0.074	61.15	0.275		
58.55	0.078	61.20	0.278		
58.60	0.082	61.25	0.282		
58.65	0.085	61.30	0.286		
58.70	0.089	61.35	0.290		
58.75	0.093	61.40	0.294		
58.80	0.097	61.45	0.297		
58.85	0.101	61.50	0.301		
58.90	0.104	61.55	0.305		
58.95	0.108	61.60	0.309		
59.00	0.112	61.65	0.312		
59.05	0.116	61.70	0.316		
59.10	0.119	61.75	0.320		
59.15	0.123	61.80	0.324		
59.20	0.127	61.85	0.328		
59.25	0.131	61.90	0.331		
59.30	0.135	61.95	0.335		
59.35	0.138	62.00	0.339		
59.40	0.142	62.05	0.343		
59.45	0.146	62.10	0.347		
59.50	0.150	62.15	0.350		
59.55	0.154	62.20	0.354		
59.60	0.157	62.25	0.358		
59.65	0.161	62.30	0.362		
59.70	0.165	62.35	0.365		
59.75	0.169	62.40	0.369		
59.80	0.172	62.45	0.373		
59.85	0.176	62.50	0.377		
59.90	0.180	62.55	0.380		
59.95	0.184	62.60	0.380		
60.00	0.188	62.65	0.380		
60.05	0.191	62.70	0.380		
60.10	0.195	62.75	0.380		

Summary for Pond 98P: DMH 61

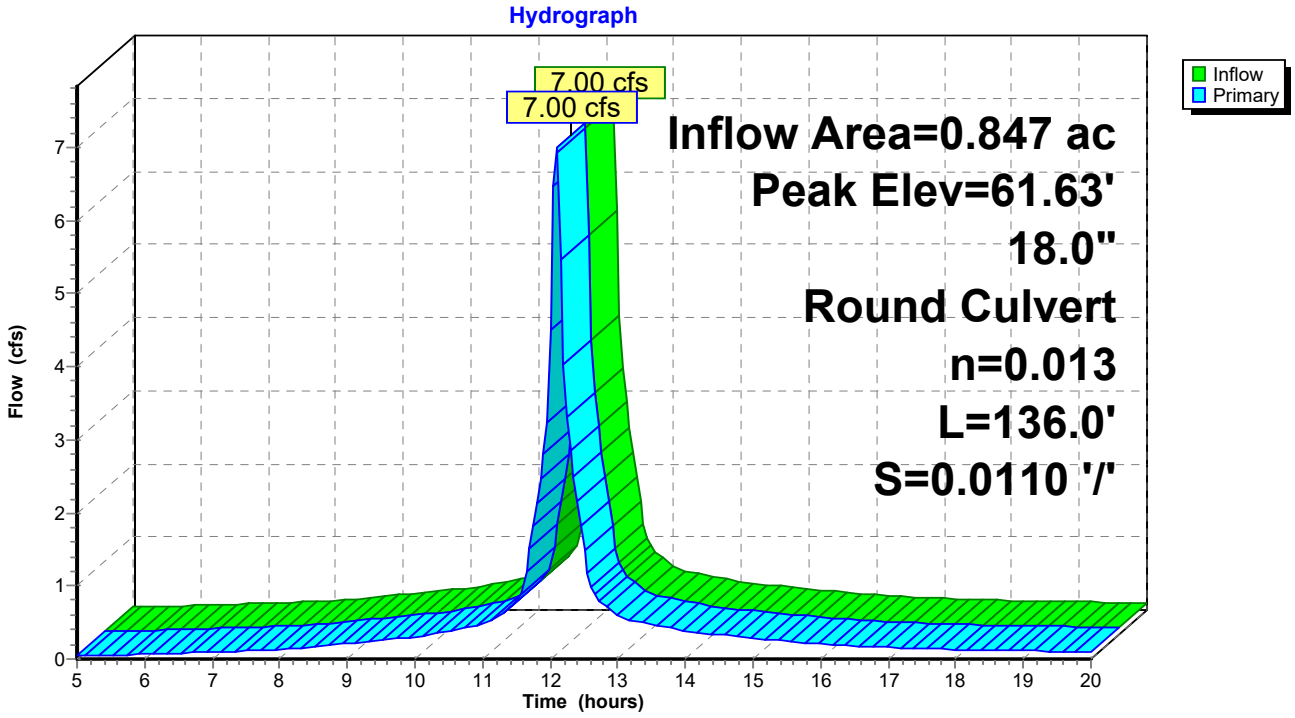
Inflow Area = 0.847 ac, 70.52% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 7.00 cfs @ 12.09 hrs, Volume= 0.520 af
Outflow = 7.00 cfs @ 12.09 hrs, Volume= 0.520 af, Atten= 0%, Lag= 0.0 min
Primary = 7.00 cfs @ 12.09 hrs, Volume= 0.520 af
Routed to Pond 93P : DMH 62

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.63' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.80'	**18.0" Round Culvert** L= 136.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.80' / 58.30' S= 0.0110 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.82 cfs @ 12.09 hrs HW=61.58' (Free Discharge)
1=Culvert (Inlet Controls 6.82 cfs @ 3.86 fps)

Pond 98P: DMH 61



Stage-Area-Storage for Pond 98P: DMH 61

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.80	**0.000**	60.86	0.000
59.82	0.000	60.88	0.000
59.84	0.000	60.90	0.000
59.86	0.000	60.92	0.000
59.88	0.000	60.94	0.000
59.90	0.000	60.96	0.000
59.92	0.000	60.98	0.000
59.94	0.000	61.00	0.000
59.96	0.000	61.02	0.000
59.98	0.000	61.04	0.000
60.00	0.000	61.06	0.000
60.02	0.000	61.08	0.000
60.04	0.000	61.10	0.000
60.06	0.000	61.12	0.000
60.08	0.000	61.14	0.000
60.10	0.000	61.16	0.000
60.12	0.000	61.18	0.000
60.14	0.000	61.20	0.000
60.16	0.000	61.22	0.000
60.18	0.000	61.24	0.000
60.20	0.000	61.26	0.000
60.22	0.000	61.28	0.000
60.24	0.000	61.30	0.000
60.26	0.000	61.32	0.000
60.28	0.000	61.34	0.000
60.30	0.000	61.36	0.000
60.32	0.000	61.38	0.000
60.34	0.000	61.40	0.000
60.36	0.000	61.42	0.000
60.38	0.000	61.44	0.000
60.40	0.000	61.46	0.000
60.42	0.000	61.48	0.000
60.44	0.000	61.50	0.000
60.46	0.000	61.52	0.000
60.48	0.000	61.54	0.000
60.50	0.000	61.56	0.000
60.52	0.000	61.58	0.000
60.54	0.000	61.60	0.000
60.56	0.000	61.62	0.000
60.58	0.000		
60.60	0.000		
60.62	0.000		
60.64	0.000		
60.66	0.000		
60.68	0.000		
60.70	0.000		
60.72	0.000		
60.74	0.000		
60.76	0.000		
60.78	0.000		
60.80	0.000		
60.82	0.000		
60.84	0.000		

Summary for Pond 99P: CB 81

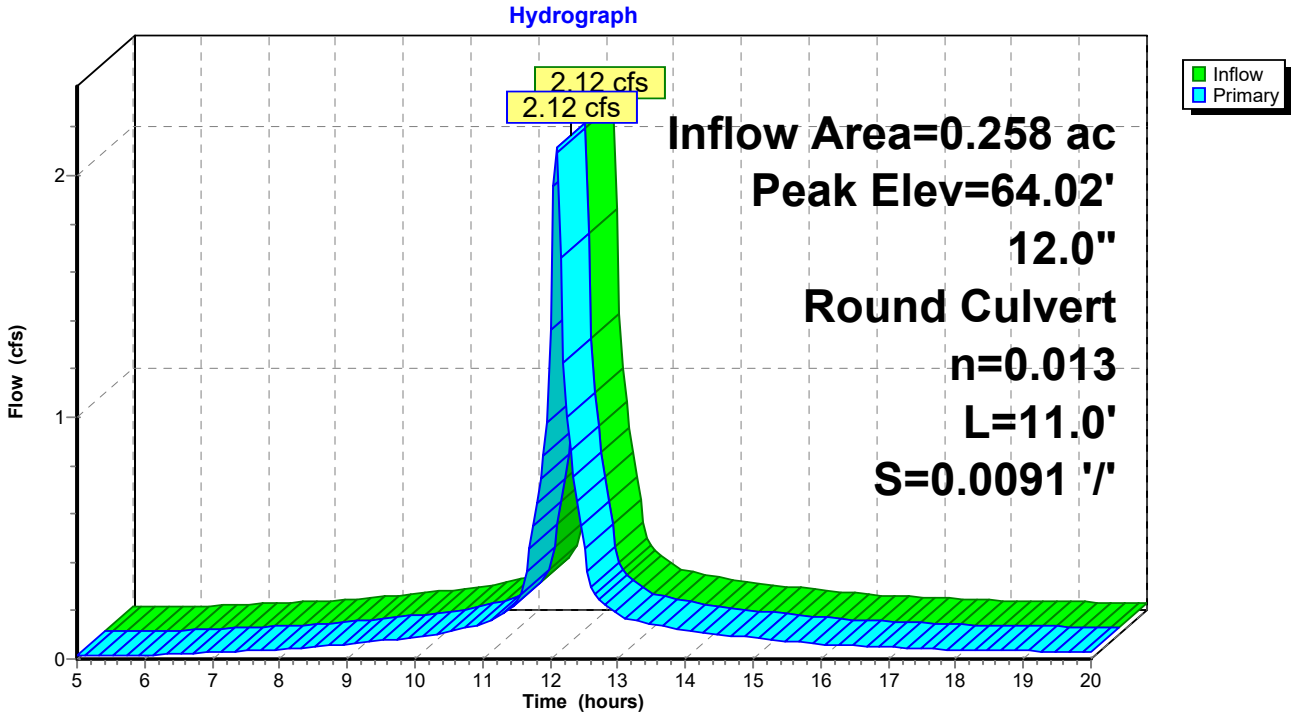
Inflow Area = 0.258 ac, 68.08% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 2.12 cfs @ 12.09 hrs, Volume= 0.157 af
Outflow = 2.12 cfs @ 12.09 hrs, Volume= 0.157 af, Atten= 0%, Lag= 0.0 min
Primary = 2.12 cfs @ 12.09 hrs, Volume= 0.157 af
Routed to Pond 101P : DMH 59

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.02' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.99'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.99' / 62.89' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.06 cfs @ 12.09 hrs HW=64.00' (Free Discharge)
1=Culvert (Barrel Controls 2.06 cfs @ 3.23 fps)

Pond 99P: CB 81



Stage-Area-Storage for Pond 99P: CB 81

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.99	**0.000**	63.52	0.000
63.00	0.000	63.53	0.000
63.01	0.000	63.54	0.000
63.02	0.000	63.55	0.000
63.03	0.000	63.56	0.000
63.04	0.000	63.57	0.000
63.05	0.000	63.58	0.000
63.06	0.000	63.59	0.000
63.07	0.000	63.60	0.000
63.08	0.000	63.61	0.000
63.09	0.000	63.62	0.000
63.10	0.000	63.63	0.000
63.11	0.000	63.64	0.000
63.12	0.000	63.65	0.000
63.13	0.000	63.66	0.000
63.14	0.000	63.67	0.000
63.15	0.000	63.68	0.000
63.16	0.000	63.69	0.000
63.17	0.000	63.70	0.000
63.18	0.000	63.71	0.000
63.19	0.000	63.72	0.000
63.20	0.000	63.73	0.000
63.21	0.000	63.74	0.000
63.22	0.000	63.75	0.000
63.23	0.000	63.76	0.000
63.24	0.000	63.77	0.000
63.25	0.000	63.78	0.000
63.26	0.000	63.79	0.000
63.27	0.000	63.80	0.000
63.28	0.000	63.81	0.000
63.29	0.000	63.82	0.000
63.30	0.000	63.83	0.000
63.31	0.000	63.84	0.000
63.32	0.000	63.85	0.000
63.33	0.000	63.86	0.000
63.34	0.000	63.87	0.000
63.35	0.000	63.88	0.000
63.36	0.000	63.89	0.000
63.37	0.000	63.90	0.000
63.38	0.000	63.91	0.000
63.39	0.000	63.92	0.000
63.40	0.000	63.93	0.000
63.41	0.000	63.94	0.000
63.42	0.000	63.95	0.000
63.43	0.000	63.96	0.000
63.44	0.000	63.97	0.000
63.45	0.000	63.98	0.000
63.46	0.000	63.99	0.000
63.47	0.000	64.00	0.000
63.48	0.000	64.01	0.000
63.49	0.000	64.02	0.000
63.50	0.000		
63.51	0.000		

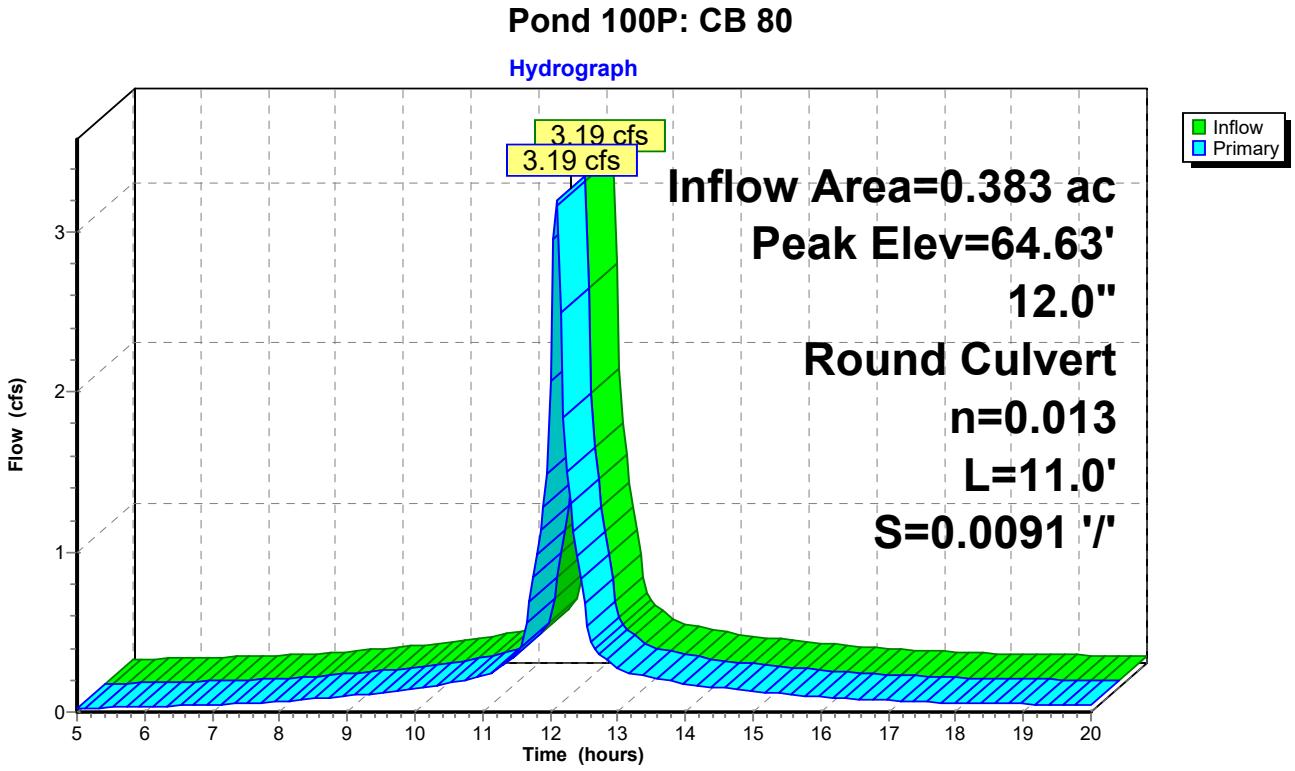
Summary for Pond 100P: CB 80

Inflow Area = 0.383 ac, 73.17% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 3.19 cfs @ 12.09 hrs, Volume= 0.239 af
Outflow = 3.19 cfs @ 12.09 hrs, Volume= 0.239 af, Atten= 0%, Lag= 0.0 min
Primary = 3.19 cfs @ 12.09 hrs, Volume= 0.239 af
Routed to Pond 101P : DMH 59

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.63' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.99'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.99' / 62.89' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.11 cfs @ 12.09 hrs HW=64.57' (Free Discharge)
1=Culvert (Inlet Controls 3.11 cfs @ 3.96 fps)



Stage-Area-Storage for Pond 100P: CB 80

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.99	**0.000**	64.05	0.000
63.01	0.000	64.07	0.000
63.03	0.000	64.09	0.000
63.05	0.000	64.11	0.000
63.07	0.000	64.13	0.000
63.09	0.000	64.15	0.000
63.11	0.000	64.17	0.000
63.13	0.000	64.19	0.000
63.15	0.000	64.21	0.000
63.17	0.000	64.23	0.000
63.19	0.000	64.25	0.000
63.21	0.000	64.27	0.000
63.23	0.000	64.29	0.000
63.25	0.000	64.31	0.000
63.27	0.000	64.33	0.000
63.29	0.000	64.35	0.000
63.31	0.000	64.37	0.000
63.33	0.000	64.39	0.000
63.35	0.000	64.41	0.000
63.37	0.000	64.43	0.000
63.39	0.000	64.45	0.000
63.41	0.000	64.47	0.000
63.43	0.000	64.49	0.000
63.45	0.000	64.51	0.000
63.47	0.000	64.53	0.000
63.49	0.000	64.55	0.000
63.51	0.000	64.57	0.000
63.53	0.000	64.59	0.000
63.55	0.000	64.61	0.000
63.57	0.000		
63.59	0.000		
63.61	0.000		
63.63	0.000		
63.65	0.000		
63.67	0.000		
63.69	0.000		
63.71	0.000		
63.73	0.000		
63.75	0.000		
63.77	0.000		
63.79	0.000		
63.81	0.000		
63.83	0.000		
63.85	0.000		
63.87	0.000		
63.89	0.000		
63.91	0.000		
63.93	0.000		
63.95	0.000		
63.97	0.000		
63.99	0.000		
64.01	0.000		
64.03	0.000		

Summary for Pond 101P: DMH 59

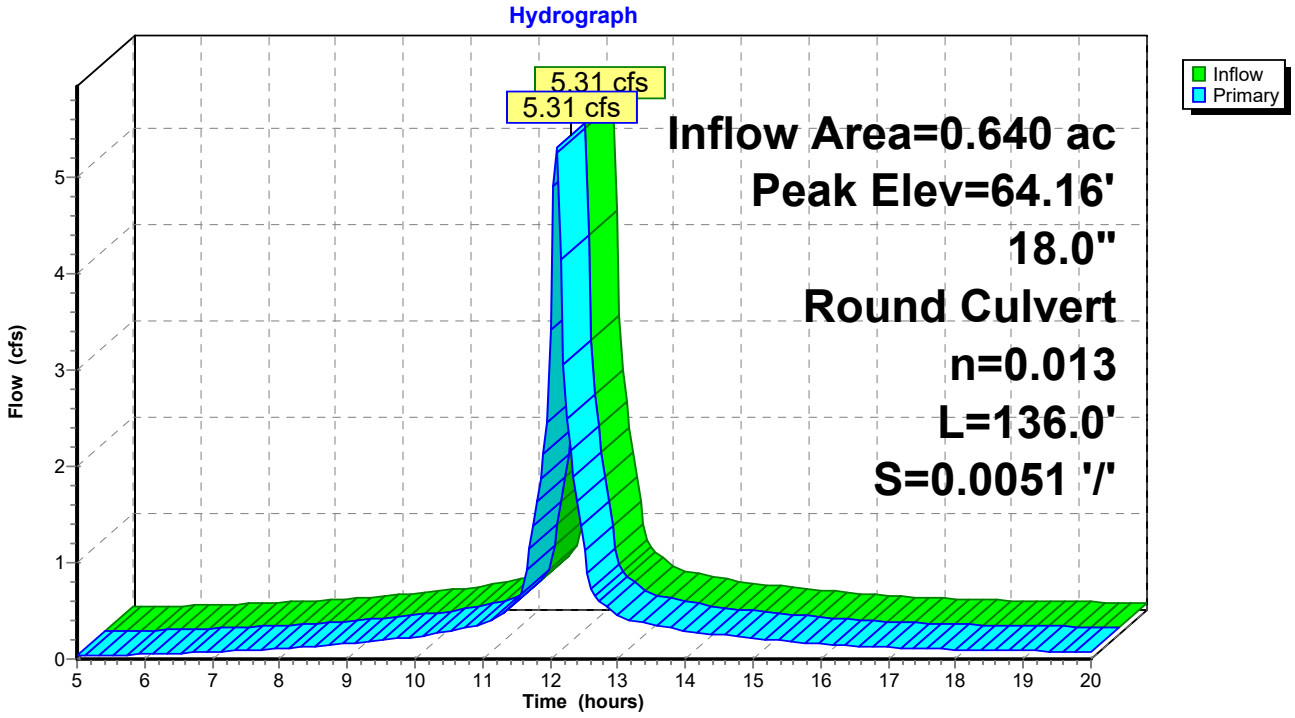
Inflow Area = 0.640 ac, 71.12% Impervious, Inflow Depth > 7.42" for 100-Year event
Inflow = 5.31 cfs @ 12.09 hrs, Volume= 0.396 af
Outflow = 5.31 cfs @ 12.09 hrs, Volume= 0.396 af, Atten= 0%, Lag= 0.0 min
Primary = 5.31 cfs @ 12.09 hrs, Volume= 0.396 af
Routed to Pond 96P : DMH 56

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 64.16' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	62.79'	**18.0" Round Culvert** L= 136.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 62.79' / 62.10' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.17 cfs @ 12.09 hrs HW=64.13' (Free Discharge)
1=Culvert (Barrel Controls 5.17 cfs @ 4.10 fps)

Pond 101P: DMH 59



Stage-Area-Storage for Pond 101P: DMH 59

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
62.79	**0.000**	63.32	0.000	63.85	0.000
62.80	0.000	63.33	0.000	63.86	0.000
62.81	0.000	63.34	0.000	63.87	0.000
62.82	0.000	63.35	0.000	63.88	0.000
62.83	0.000	63.36	0.000	63.89	0.000
62.84	0.000	63.37	0.000	63.90	0.000
62.85	0.000	63.38	0.000	63.91	0.000
62.86	0.000	63.39	0.000	63.92	0.000
62.87	0.000	63.40	0.000	63.93	0.000
62.88	0.000	63.41	0.000	63.94	0.000
62.89	0.000	63.42	0.000	63.95	0.000
62.90	0.000	63.43	0.000	63.96	0.000
62.91	0.000	63.44	0.000	63.97	0.000
62.92	0.000	63.45	0.000	63.98	0.000
62.93	0.000	63.46	0.000	63.99	0.000
62.94	0.000	63.47	0.000	64.00	0.000
62.95	0.000	63.48	0.000	64.01	0.000
62.96	0.000	63.49	0.000	64.02	0.000
62.97	0.000	63.50	0.000	64.03	0.000
62.98	0.000	63.51	0.000	64.04	0.000
62.99	0.000	63.52	0.000	64.05	0.000
63.00	0.000	63.53	0.000	64.06	0.000
63.01	0.000	63.54	0.000	64.07	0.000
63.02	0.000	63.55	0.000	64.08	0.000
63.03	0.000	63.56	0.000	64.09	0.000
63.04	0.000	63.57	0.000	64.10	0.000
63.05	0.000	63.58	0.000	64.11	0.000
63.06	0.000	63.59	0.000	64.12	0.000
63.07	0.000	63.60	0.000	64.13	0.000
63.08	0.000	63.61	0.000	64.14	0.000
63.09	0.000	63.62	0.000	64.15	0.000
63.10	0.000	63.63	0.000	64.16	0.000
63.11	0.000	63.64	0.000	64.17	0.000
63.12	0.000	63.65	0.000	64.18	0.000
63.13	0.000	63.66	0.000	64.19	0.000
63.14	0.000	63.67	0.000	64.20	0.000
63.15	0.000	63.68	0.000	64.21	0.000
63.16	0.000	63.69	0.000	64.22	0.000
63.17	0.000	63.70	0.000	64.23	0.000
63.18	0.000	63.71	0.000	64.24	0.000
63.19	0.000	63.72	0.000	64.25	0.000
63.20	0.000	63.73	0.000	64.26	0.000
63.21	0.000	63.74	0.000	64.27	0.000
63.22	0.000	63.75	0.000	64.28	0.000
63.23	0.000	63.76	0.000	64.29	0.000
63.24	0.000	63.77	0.000		
63.25	0.000	63.78	0.000		
63.26	0.000	63.79	0.000		
63.27	0.000	63.80	0.000		
63.28	0.000	63.81	0.000		
63.29	0.000	63.82	0.000		
63.30	0.000	63.83	0.000		
63.31	0.000	63.84	0.000		

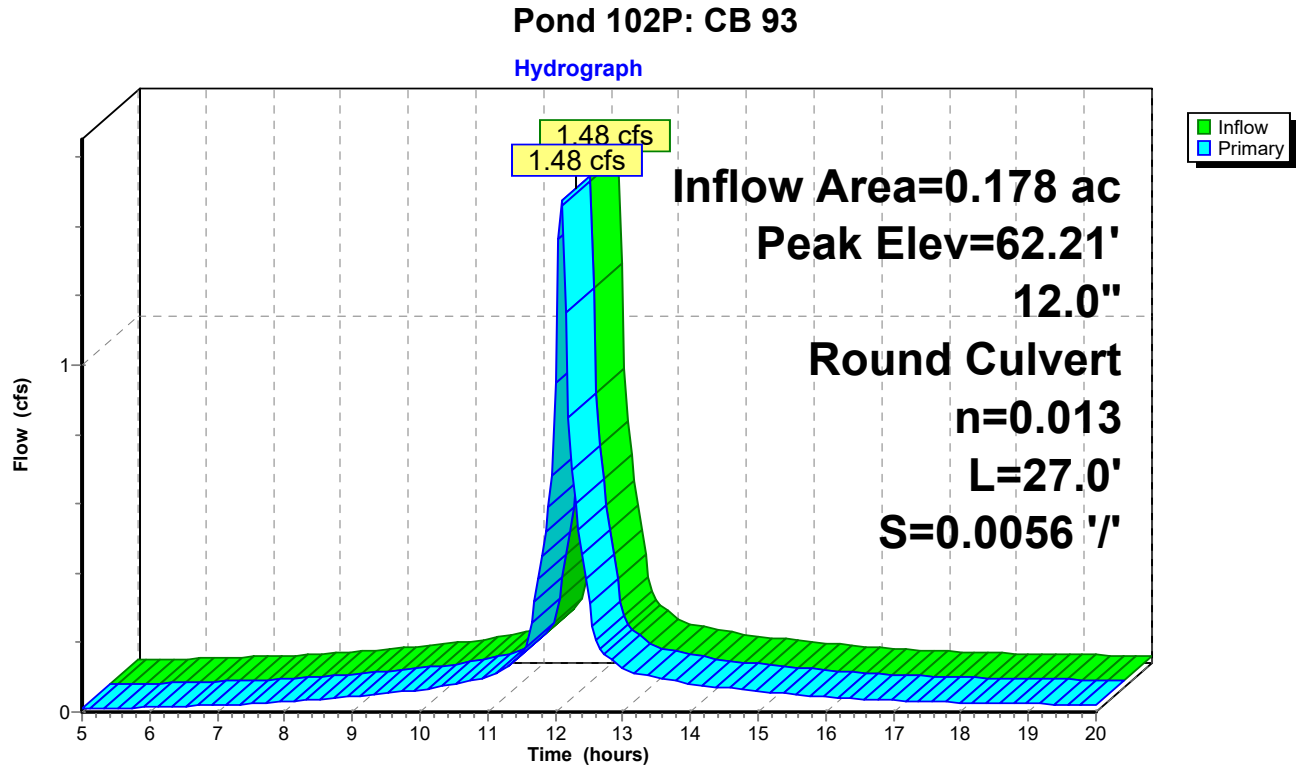
Summary for Pond 102P: CB 93

Inflow Area = 0.178 ac, 69.60% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 1.48 cfs @ 12.09 hrs, Volume= 0.110 af
Outflow = 1.48 cfs @ 12.09 hrs, Volume= 0.110 af, Atten= 0%, Lag= 0.0 min
Primary = 1.48 cfs @ 12.09 hrs, Volume= 0.110 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.21' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.25' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.44 cfs @ 12.09 hrs HW=62.20' (Free Discharge)
1=Culvert (Barrel Controls 1.44 cfs @ 2.92 fps)



Stage-Area-Storage for Pond 102P: CB 93

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000
61.41	0.000	61.94	0.000
61.42	0.000	61.95	0.000
61.43	0.000	61.96	0.000
61.44	0.000	61.97	0.000
61.45	0.000	61.98	0.000
61.46	0.000	61.99	0.000
61.47	0.000	62.00	0.000
61.48	0.000	62.01	0.000
61.49	0.000	62.02	0.000
61.50	0.000	62.03	0.000
61.51	0.000	62.04	0.000
61.52	0.000	62.05	0.000
61.53	0.000	62.06	0.000
61.54	0.000	62.07	0.000
61.55	0.000	62.08	0.000
61.56	0.000	62.09	0.000
61.57	0.000	62.10	0.000
61.58	0.000	62.11	0.000
61.59	0.000	62.12	0.000
61.60	0.000	62.13	0.000
61.61	0.000	62.14	0.000
61.62	0.000	62.15	0.000
61.63	0.000	62.16	0.000
61.64	0.000	62.17	0.000
61.65	0.000	62.18	0.000
61.66	0.000	62.19	0.000
61.67	0.000	62.20	0.000
61.68	0.000	62.21	0.000
61.69	0.000	62.22	0.000
61.70	0.000	62.23	0.000
61.71	0.000	62.24	0.000
61.72	0.000	62.25	0.000
61.73	0.000	62.26	0.000
61.74	0.000	62.27	0.000
61.75	0.000	62.28	0.000
61.76	0.000	62.29	0.000
61.77	0.000	62.30	0.000
61.78	0.000	62.31	0.000
61.79	0.000	62.32	0.000
61.80	0.000	62.33	0.000
61.81	0.000	62.34	0.000
61.82	0.000	62.35	0.000
61.83	0.000	62.36	0.000
61.84	0.000	62.37	0.000
61.85	0.000	62.38	0.000
61.86	0.000	62.39	0.000
61.87	0.000	62.40	0.000
61.88	0.000		
61.89	0.000		
61.90	0.000		
61.91	0.000		
61.92	0.000		

Summary for Pond 103P: CB 92

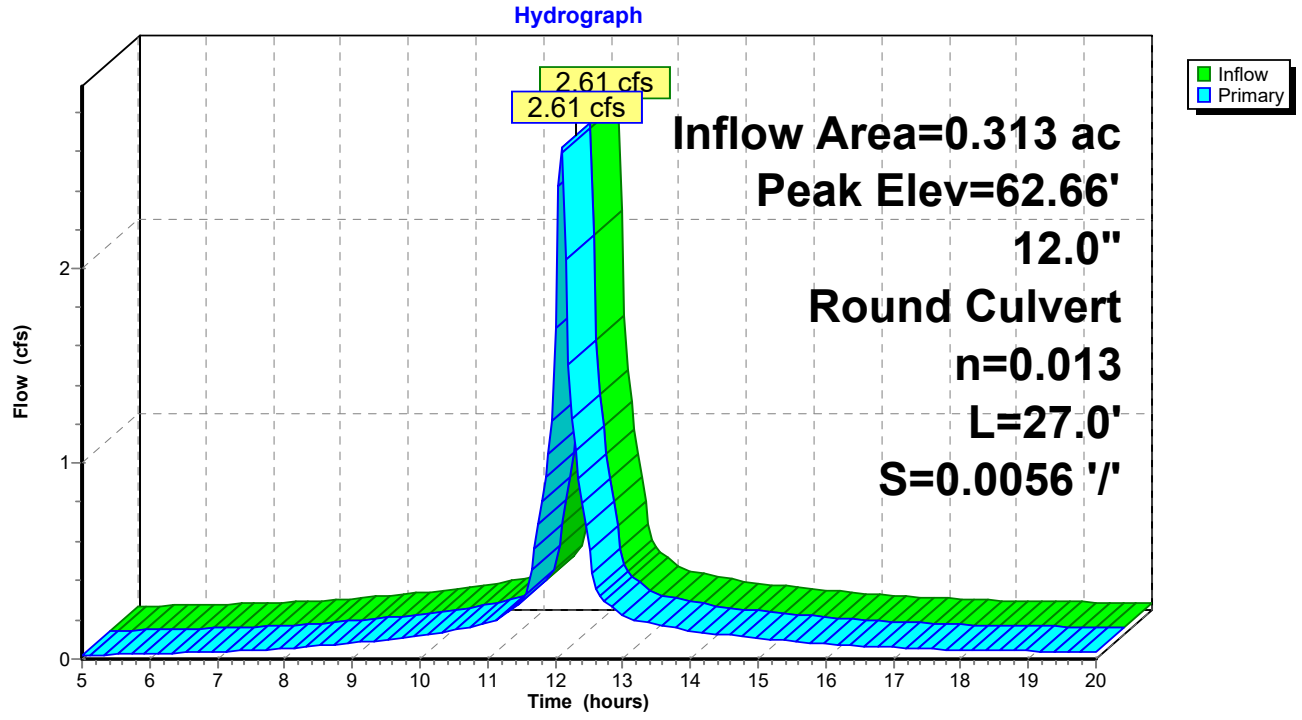
Inflow Area = 0.313 ac, 76.83% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 2.61 cfs @ 12.09 hrs, Volume= 0.196 af
Outflow = 2.61 cfs @ 12.09 hrs, Volume= 0.196 af, Atten= 0%, Lag= 0.0 min
Primary = 2.61 cfs @ 12.09 hrs, Volume= 0.196 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.25' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.55 cfs @ 12.09 hrs HW=62.63' (Free Discharge)
1=Culvert (Inlet Controls 2.55 cfs @ 3.25 fps)

Pond 103P: CB 92



Stage-Area-Storage for Pond 103P: CB 92

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000	62.46	0.000
61.41	0.000	61.94	0.000	62.47	0.000
61.42	0.000	61.95	0.000	62.48	0.000
61.43	0.000	61.96	0.000	62.49	0.000
61.44	0.000	61.97	0.000	62.50	0.000
61.45	0.000	61.98	0.000	62.51	0.000
61.46	0.000	61.99	0.000	62.52	0.000
61.47	0.000	62.00	0.000	62.53	0.000
61.48	0.000	62.01	0.000	62.54	0.000
61.49	0.000	62.02	0.000	62.55	0.000
61.50	0.000	62.03	0.000	62.56	0.000
61.51	0.000	62.04	0.000	62.57	0.000
61.52	0.000	62.05	0.000	62.58	0.000
61.53	0.000	62.06	0.000	62.59	0.000
61.54	0.000	62.07	0.000	62.60	0.000
61.55	0.000	62.08	0.000	62.61	0.000
61.56	0.000	62.09	0.000	62.62	0.000
61.57	0.000	62.10	0.000	62.63	0.000
61.58	0.000	62.11	0.000	62.64	0.000
61.59	0.000	62.12	0.000	62.65	0.000
61.60	0.000	62.13	0.000	62.66	0.000
61.61	0.000	62.14	0.000		
61.62	0.000	62.15	0.000		
61.63	0.000	62.16	0.000		
61.64	0.000	62.17	0.000		
61.65	0.000	62.18	0.000		
61.66	0.000	62.19	0.000		
61.67	0.000	62.20	0.000		
61.68	0.000	62.21	0.000		
61.69	0.000	62.22	0.000		
61.70	0.000	62.23	0.000		
61.71	0.000	62.24	0.000		
61.72	0.000	62.25	0.000		
61.73	0.000	62.26	0.000		
61.74	0.000	62.27	0.000		
61.75	0.000	62.28	0.000		
61.76	0.000	62.29	0.000		
61.77	0.000	62.30	0.000		
61.78	0.000	62.31	0.000		
61.79	0.000	62.32	0.000		
61.80	0.000	62.33	0.000		
61.81	0.000	62.34	0.000		
61.82	0.000	62.35	0.000		
61.83	0.000	62.36	0.000		
61.84	0.000	62.37	0.000		
61.85	0.000	62.38	0.000		
61.86	0.000	62.39	0.000		
61.87	0.000	62.40	0.000		
61.88	0.000	62.41	0.000		
61.89	0.000	62.42	0.000		
61.90	0.000	62.43	0.000		
61.91	0.000	62.44	0.000		
61.92	0.000	62.45	0.000		

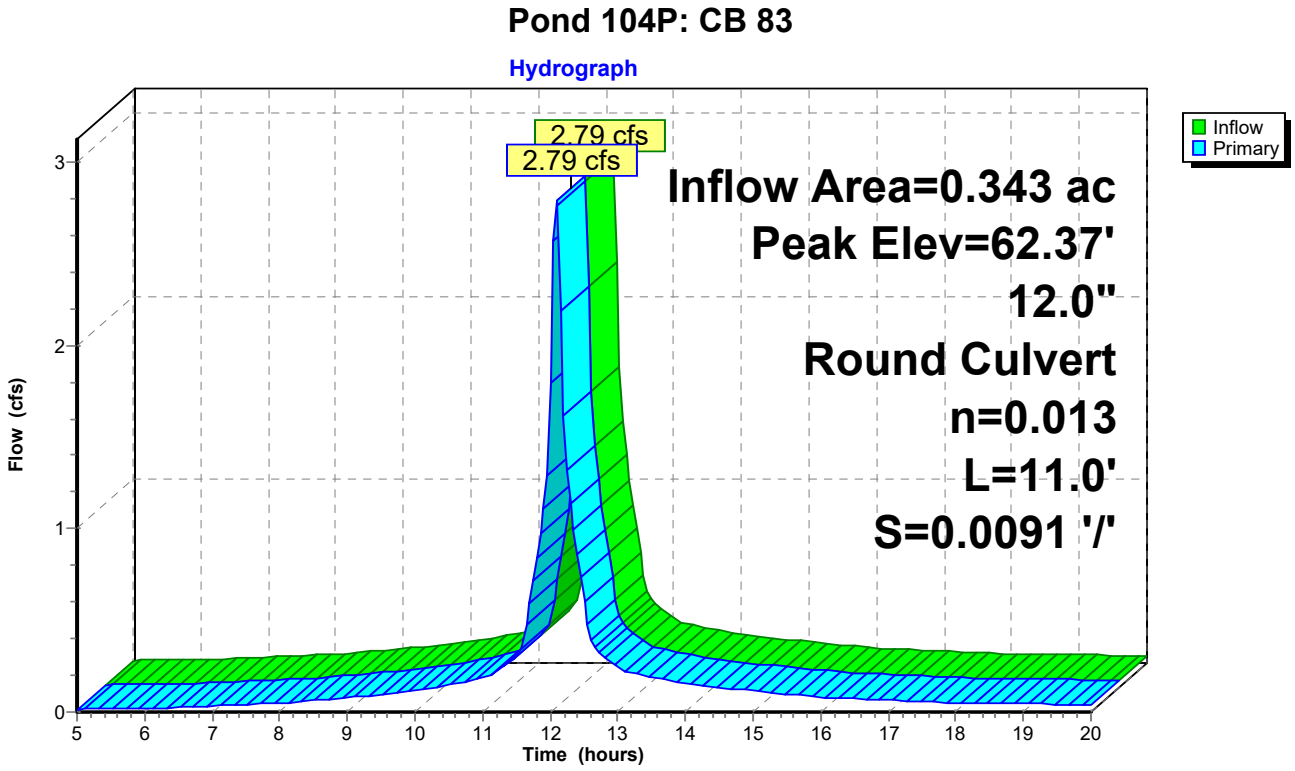
Summary for Pond 104P: CB 83

Inflow Area = 0.343 ac, 64.21% Impervious, Inflow Depth > 7.18" for 100-Year event
Inflow = 2.79 cfs @ 12.09 hrs, Volume= 0.205 af
Outflow = 2.79 cfs @ 12.09 hrs, Volume= 0.205 af, Atten= 0%, Lag= 0.0 min
Primary = 2.79 cfs @ 12.09 hrs, Volume= 0.205 af
Routed to Pond 106P : DMH 60

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.37' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.72 cfs @ 12.09 hrs HW=62.33' (Free Discharge)
1=Culvert (Inlet Controls 2.72 cfs @ 3.46 fps)



Stage-Area-Storage for Pond 104P: CB 83

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	61.53	0.000	62.06	0.000
61.01	0.000	61.54	0.000	62.07	0.000
61.02	0.000	61.55	0.000	62.08	0.000
61.03	0.000	61.56	0.000	62.09	0.000
61.04	0.000	61.57	0.000	62.10	0.000
61.05	0.000	61.58	0.000	62.11	0.000
61.06	0.000	61.59	0.000	62.12	0.000
61.07	0.000	61.60	0.000	62.13	0.000
61.08	0.000	61.61	0.000	62.14	0.000
61.09	0.000	61.62	0.000	62.15	0.000
61.10	0.000	61.63	0.000	62.16	0.000
61.11	0.000	61.64	0.000	62.17	0.000
61.12	0.000	61.65	0.000	62.18	0.000
61.13	0.000	61.66	0.000	62.19	0.000
61.14	0.000	61.67	0.000	62.20	0.000
61.15	0.000	61.68	0.000	62.21	0.000
61.16	0.000	61.69	0.000	62.22	0.000
61.17	0.000	61.70	0.000	62.23	0.000
61.18	0.000	61.71	0.000	62.24	0.000
61.19	0.000	61.72	0.000	62.25	0.000
61.20	0.000	61.73	0.000	62.26	0.000
61.21	0.000	61.74	0.000	62.27	0.000
61.22	0.000	61.75	0.000	62.28	0.000
61.23	0.000	61.76	0.000	62.29	0.000
61.24	0.000	61.77	0.000	62.30	0.000
61.25	0.000	61.78	0.000	62.31	0.000
61.26	0.000	61.79	0.000	62.32	0.000
61.27	0.000	61.80	0.000	62.33	0.000
61.28	0.000	61.81	0.000	62.34	0.000
61.29	0.000	61.82	0.000	62.35	0.000
61.30	0.000	61.83	0.000	62.36	0.000
61.31	0.000	61.84	0.000		
61.32	0.000	61.85	0.000		
61.33	0.000	61.86	0.000		
61.34	0.000	61.87	0.000		
61.35	0.000	61.88	0.000		
61.36	0.000	61.89	0.000		
61.37	0.000	61.90	0.000		
61.38	0.000	61.91	0.000		
61.39	0.000	61.92	0.000		
61.40	0.000	61.93	0.000		
61.41	0.000	61.94	0.000		
61.42	0.000	61.95	0.000		
61.43	0.000	61.96	0.000		
61.44	0.000	61.97	0.000		
61.45	0.000	61.98	0.000		
61.46	0.000	61.99	0.000		
61.47	0.000	62.00	0.000		
61.48	0.000	62.01	0.000		
61.49	0.000	62.02	0.000		
61.50	0.000	62.03	0.000		
61.51	0.000	62.04	0.000		
61.52	0.000	62.05	0.000		

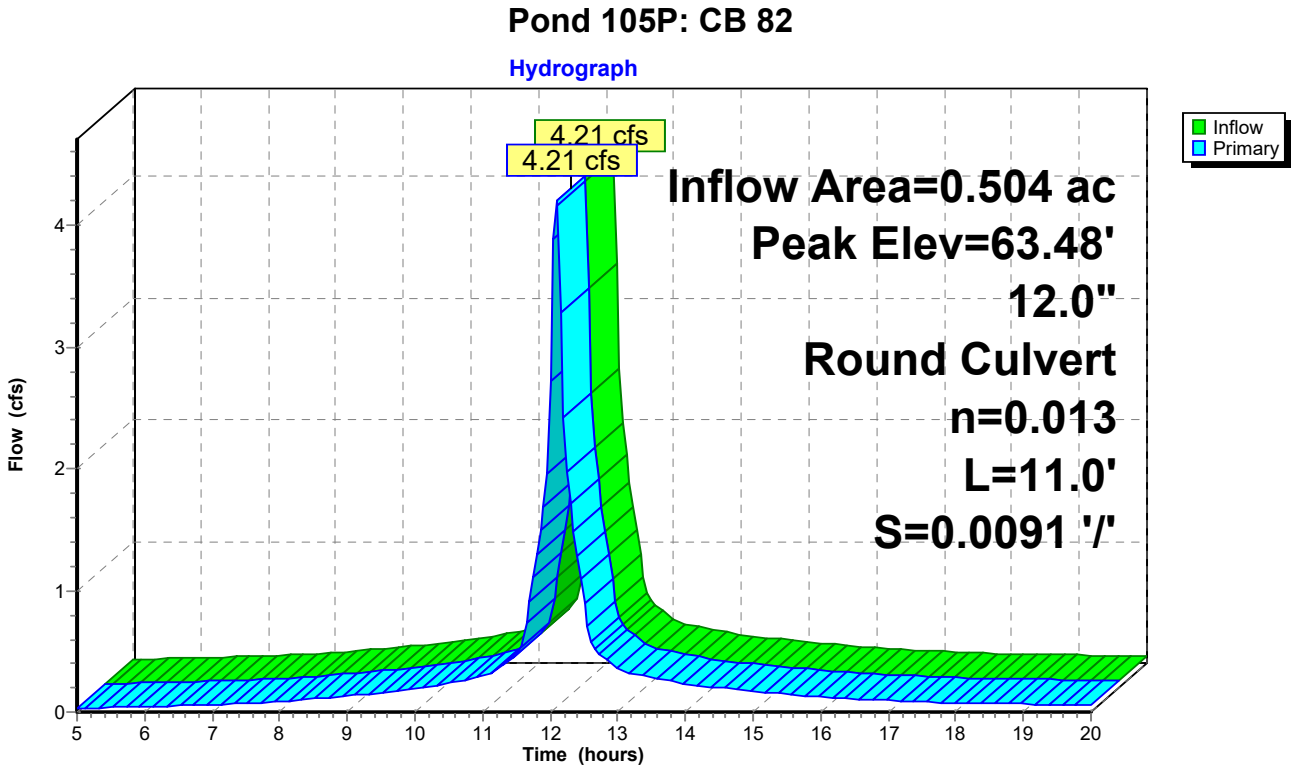
Summary for Pond 105P: CB 82

Inflow Area = 0.504 ac, 74.80% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 4.21 cfs @ 12.09 hrs, Volume= 0.315 af
Outflow = 4.21 cfs @ 12.09 hrs, Volume= 0.315 af, Atten= 0%, Lag= 0.0 min
Primary = 4.21 cfs @ 12.09 hrs, Volume= 0.315 af
Routed to Pond 106P : DMH 60

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.48' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.10 cfs @ 12.09 hrs HW=63.38' (Free Discharge)
1=Culvert (Inlet Controls 4.10 cfs @ 5.22 fps)



Stage-Area-Storage for Pond 105P: CB 82

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	62.06	0.000	63.12	0.000
61.02	0.000	62.08	0.000	63.14	0.000
61.04	0.000	62.10	0.000	63.16	0.000
61.06	0.000	62.12	0.000	63.18	0.000
61.08	0.000	62.14	0.000	63.20	0.000
61.10	0.000	62.16	0.000	63.22	0.000
61.12	0.000	62.18	0.000	63.24	0.000
61.14	0.000	62.20	0.000	63.26	0.000
61.16	0.000	62.22	0.000	63.28	0.000
61.18	0.000	62.24	0.000	63.30	0.000
61.20	0.000	62.26	0.000	63.32	0.000
61.22	0.000	62.28	0.000	63.34	0.000
61.24	0.000	62.30	0.000	63.36	0.000
61.26	0.000	62.32	0.000	63.38	0.000
61.28	0.000	62.34	0.000	63.40	0.000
61.30	0.000	62.36	0.000	63.42	0.000
61.32	0.000	62.38	0.000	63.44	0.000
61.34	0.000	62.40	0.000	63.46	0.000
61.36	0.000	62.42	0.000		
61.38	0.000	62.44	0.000		
61.40	0.000	62.46	0.000		
61.42	0.000	62.48	0.000		
61.44	0.000	62.50	0.000		
61.46	0.000	62.52	0.000		
61.48	0.000	62.54	0.000		
61.50	0.000	62.56	0.000		
61.52	0.000	62.58	0.000		
61.54	0.000	62.60	0.000		
61.56	0.000	62.62	0.000		
61.58	0.000	62.64	0.000		
61.60	0.000	62.66	0.000		
61.62	0.000	62.68	0.000		
61.64	0.000	62.70	0.000		
61.66	0.000	62.72	0.000		
61.68	0.000	62.74	0.000		
61.70	0.000	62.76	0.000		
61.72	0.000	62.78	0.000		
61.74	0.000	62.80	0.000		
61.76	0.000	62.82	0.000		
61.78	0.000	62.84	0.000		
61.80	0.000	62.86	0.000		
61.82	0.000	62.88	0.000		
61.84	0.000	62.90	0.000		
61.86	0.000	62.92	0.000		
61.88	0.000	62.94	0.000		
61.90	0.000	62.96	0.000		
61.92	0.000	62.98	0.000		
61.94	0.000	63.00	0.000		
61.96	0.000	63.02	0.000		
61.98	0.000	63.04	0.000		
62.00	0.000	63.06	0.000		
62.02	0.000	63.08	0.000		
62.04	0.000	63.10	0.000		

Summary for Pond 106P: DMH 60

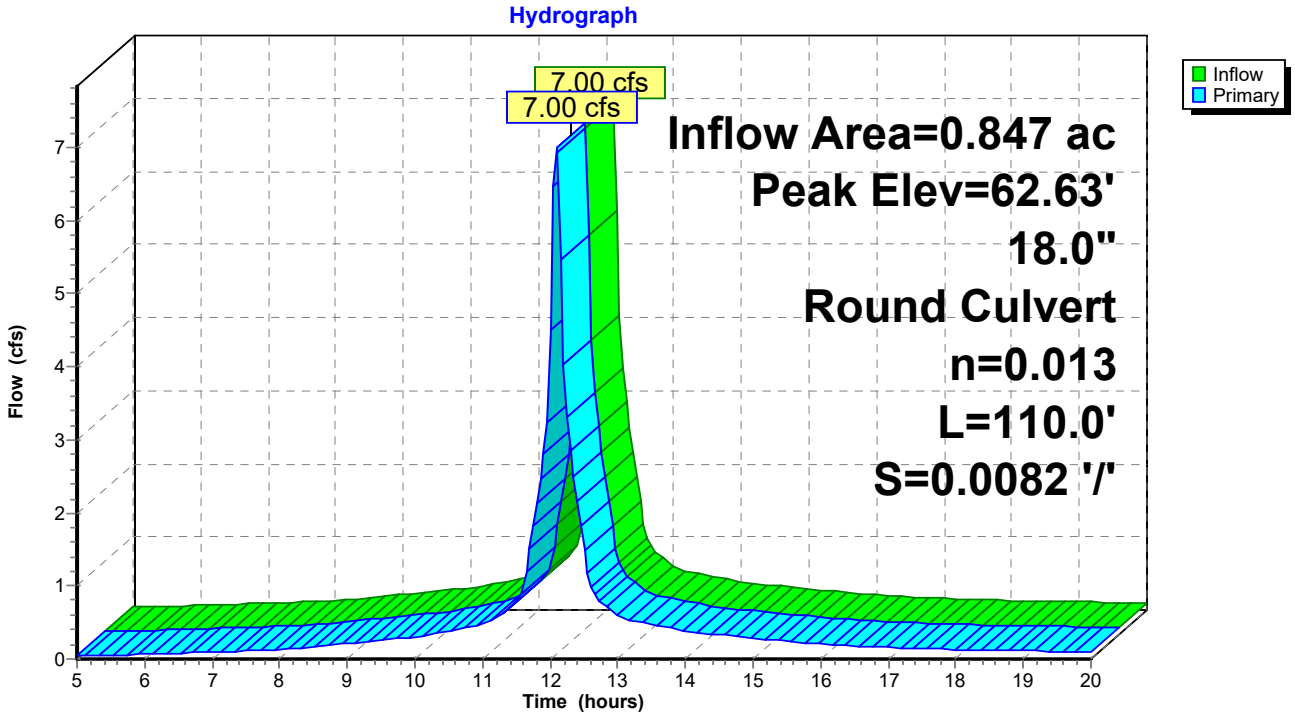
Inflow Area = 0.847 ac, 70.52% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 7.00 cfs @ 12.09 hrs, Volume= 0.520 af
Outflow = 7.00 cfs @ 12.09 hrs, Volume= 0.520 af, Atten= 0%, Lag= 0.0 min
Primary = 7.00 cfs @ 12.09 hrs, Volume= 0.520 af
Routed to Pond 98P : DMH 61

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.63' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.80'	**18.0" Round Culvert** L= 110.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.80' / 59.90' S= 0.0082 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.82 cfs @ 12.09 hrs HW=62.58' (Free Discharge)
1=Culvert (Inlet Controls 6.82 cfs @ 3.86 fps)

Pond 106P: DMH 60



Stage-Area-Storage for Pond 106P: DMH 60

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.80	**0.000**	61.86	0.000
60.82	0.000	61.88	0.000
60.84	0.000	61.90	0.000
60.86	0.000	61.92	0.000
60.88	0.000	61.94	0.000
60.90	0.000	61.96	0.000
60.92	0.000	61.98	0.000
60.94	0.000	62.00	0.000
60.96	0.000	62.02	0.000
60.98	0.000	62.04	0.000
61.00	0.000	62.06	0.000
61.02	0.000	62.08	0.000
61.04	0.000	62.10	0.000
61.06	0.000	62.12	0.000
61.08	0.000	62.14	0.000
61.10	0.000	62.16	0.000
61.12	0.000	62.18	0.000
61.14	0.000	62.20	0.000
61.16	0.000	62.22	0.000
61.18	0.000	62.24	0.000
61.20	0.000	62.26	0.000
61.22	0.000	62.28	0.000
61.24	0.000	62.30	0.000
61.26	0.000	62.32	0.000
61.28	0.000	62.34	0.000
61.30	0.000	62.36	0.000
61.32	0.000	62.38	0.000
61.34	0.000	62.40	0.000
61.36	0.000	62.42	0.000
61.38	0.000	62.44	0.000
61.40	0.000	62.46	0.000
61.42	0.000	62.48	0.000
61.44	0.000	62.50	0.000
61.46	0.000	62.52	0.000
61.48	0.000	62.54	0.000
61.50	0.000	62.56	0.000
61.52	0.000	62.58	0.000
61.54	0.000	62.60	0.000
61.56	0.000	62.62	0.000
61.58	0.000		
61.60	0.000		
61.62	0.000		
61.64	0.000		
61.66	0.000		
61.68	0.000		
61.70	0.000		
61.72	0.000		
61.74	0.000		
61.76	0.000		
61.78	0.000		
61.80	0.000		
61.82	0.000		
61.84	0.000		

Summary for Pond 107P: CB

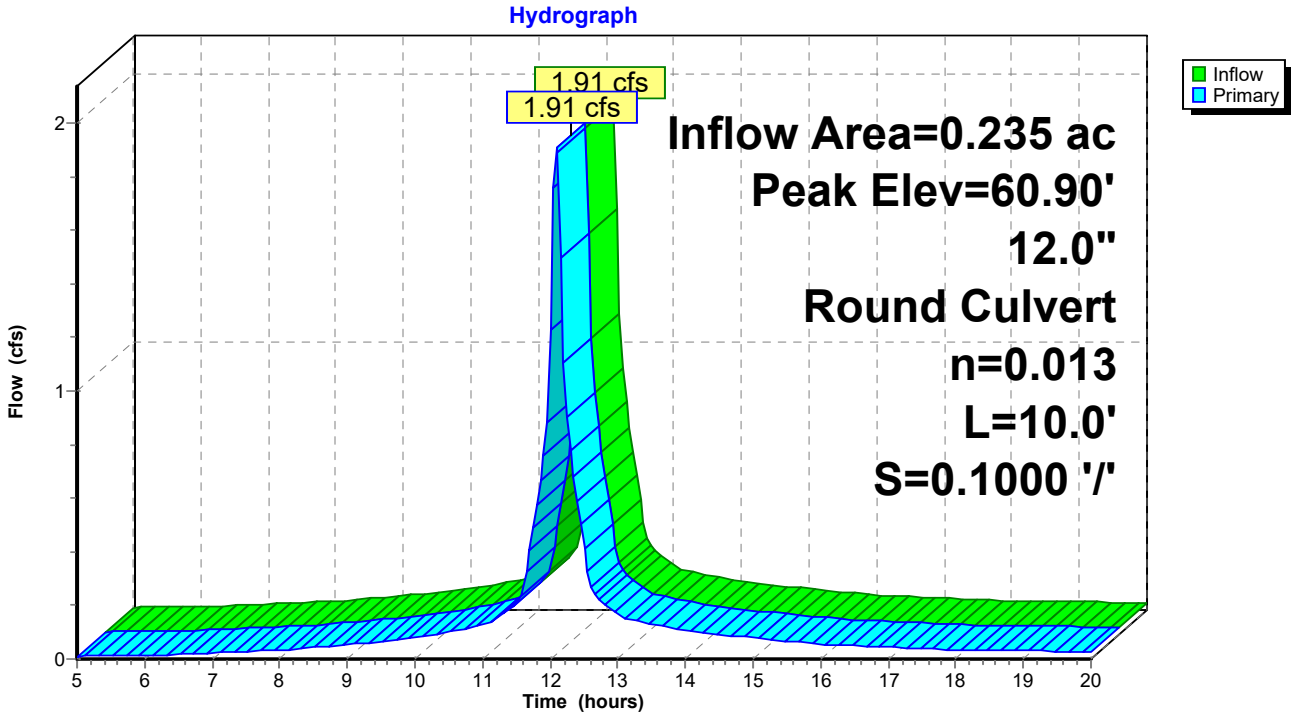
Inflow Area = 0.235 ac, 64.37% Impervious, Inflow Depth > 7.18" for 100-Year event
Inflow = 1.91 cfs @ 12.09 hrs, Volume= 0.140 af
Outflow = 1.91 cfs @ 12.09 hrs, Volume= 0.140 af, Atten= 0%, Lag= 0.0 min
Primary = 1.91 cfs @ 12.09 hrs, Volume= 0.140 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.00' S= 0.1000 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.86 cfs @ 12.09 hrs HW=60.89' (Free Discharge)
1=Culvert (Inlet Controls 1.86 cfs @ 2.53 fps)

Pond 107P: CB



Stage-Area-Storage for Pond 107P: CB

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 108P: CB 88

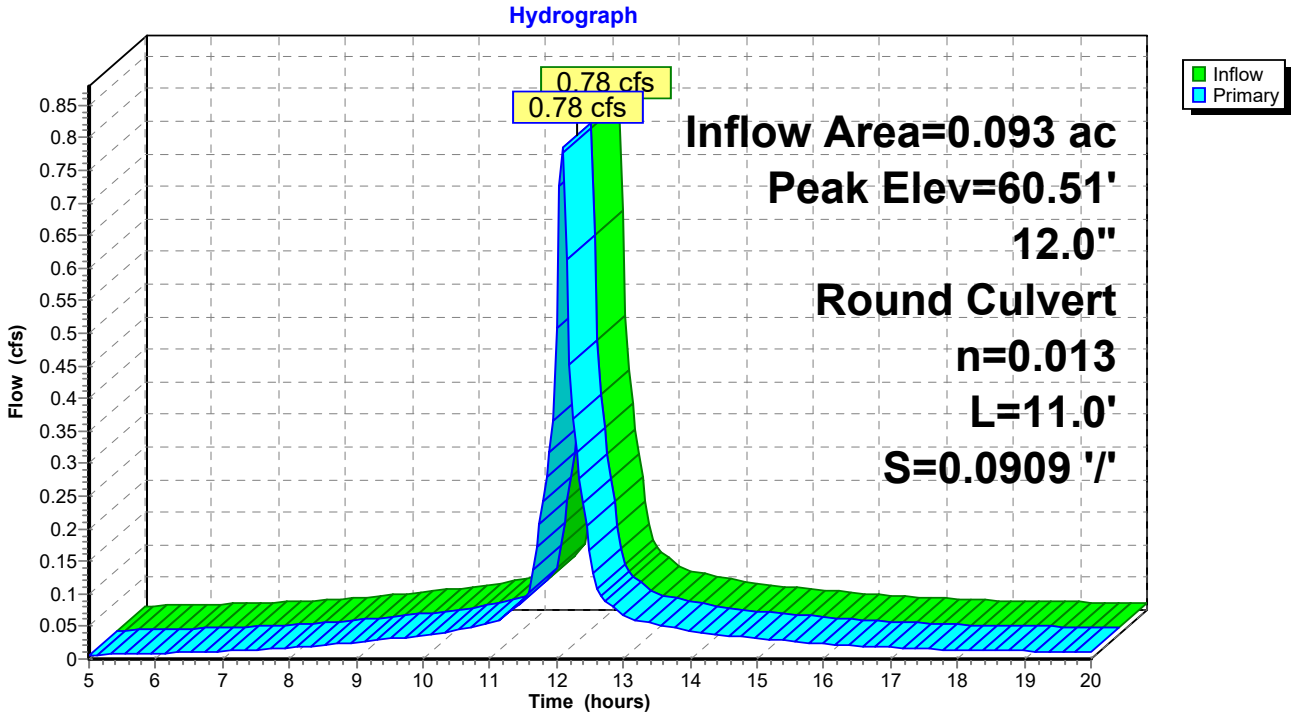
Inflow Area = 0.093 ac, 80.29% Impervious, Inflow Depth > 7.60" for 100-Year event
Inflow = 0.78 cfs @ 12.09 hrs, Volume= 0.059 af
Outflow = 0.78 cfs @ 12.09 hrs, Volume= 0.059 af, Atten= 0%, Lag= 0.0 min
Primary = 0.78 cfs @ 12.09 hrs, Volume= 0.059 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.51' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.00' S= 0.0909 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.76 cfs @ 12.09 hrs HW=60.51' (Free Discharge)
1=Culvert (Inlet Controls 0.76 cfs @ 1.91 fps)

Pond 108P: CB 88



Stage-Area-Storage for Pond 108P: CB 88

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 109P: CB 79

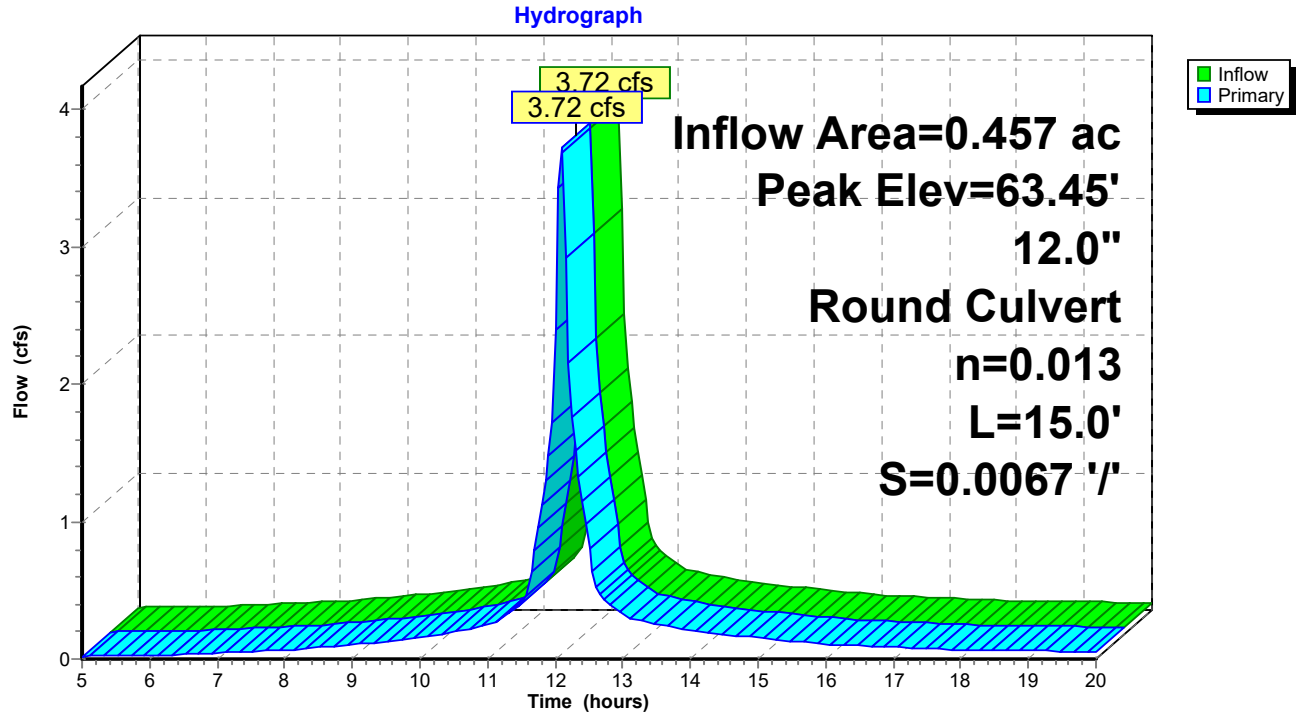
Inflow Area = 0.457 ac, 64.44% Impervious, Inflow Depth > 7.18" for 100-Year event
Inflow = 3.72 cfs @ 12.09 hrs, Volume= 0.273 af
Outflow = 3.72 cfs @ 12.09 hrs, Volume= 0.273 af, Atten= 0%, Lag= 0.0 min
Primary = 3.72 cfs @ 12.09 hrs, Volume= 0.273 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.45' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.30' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.63 cfs @ 12.09 hrs HW=63.37' (Free Discharge)
1=Culvert (Inlet Controls 3.63 cfs @ 4.62 fps)

Pond 109P: CB 79



Stage-Area-Storage for Pond 109P: CB 79

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	62.46	0.000
61.42	0.000	62.48	0.000
61.44	0.000	62.50	0.000
61.46	0.000	62.52	0.000
61.48	0.000	62.54	0.000
61.50	0.000	62.56	0.000
61.52	0.000	62.58	0.000
61.54	0.000	62.60	0.000
61.56	0.000	62.62	0.000
61.58	0.000	62.64	0.000
61.60	0.000	62.66	0.000
61.62	0.000	62.68	0.000
61.64	0.000	62.70	0.000
61.66	0.000	62.72	0.000
61.68	0.000	62.74	0.000
61.70	0.000	62.76	0.000
61.72	0.000	62.78	0.000
61.74	0.000	62.80	0.000
61.76	0.000	62.82	0.000
61.78	0.000	62.84	0.000
61.80	0.000	62.86	0.000
61.82	0.000	62.88	0.000
61.84	0.000	62.90	0.000
61.86	0.000	62.92	0.000
61.88	0.000	62.94	0.000
61.90	0.000	62.96	0.000
61.92	0.000	62.98	0.000
61.94	0.000	63.00	0.000
61.96	0.000	63.02	0.000
61.98	0.000	63.04	0.000
62.00	0.000	63.06	0.000
62.02	0.000	63.08	0.000
62.04	0.000	63.10	0.000
62.06	0.000	63.12	0.000
62.08	0.000	63.14	0.000
62.10	0.000	63.16	0.000
62.12	0.000	63.18	0.000
62.14	0.000	63.20	0.000
62.16	0.000	63.22	0.000
62.18	0.000	63.24	0.000
62.20	0.000	63.26	0.000
62.22	0.000	63.28	0.000
62.24	0.000	63.30	0.000
62.26	0.000	63.32	0.000
62.28	0.000	63.34	0.000
62.30	0.000	63.36	0.000
62.32	0.000	63.38	0.000
62.34	0.000	63.40	0.000
62.36	0.000	63.42	0.000
62.38	0.000	63.44	0.000
62.40	0.000		
62.42	0.000		
62.44	0.000		

Summary for Pond 110P: CB 78

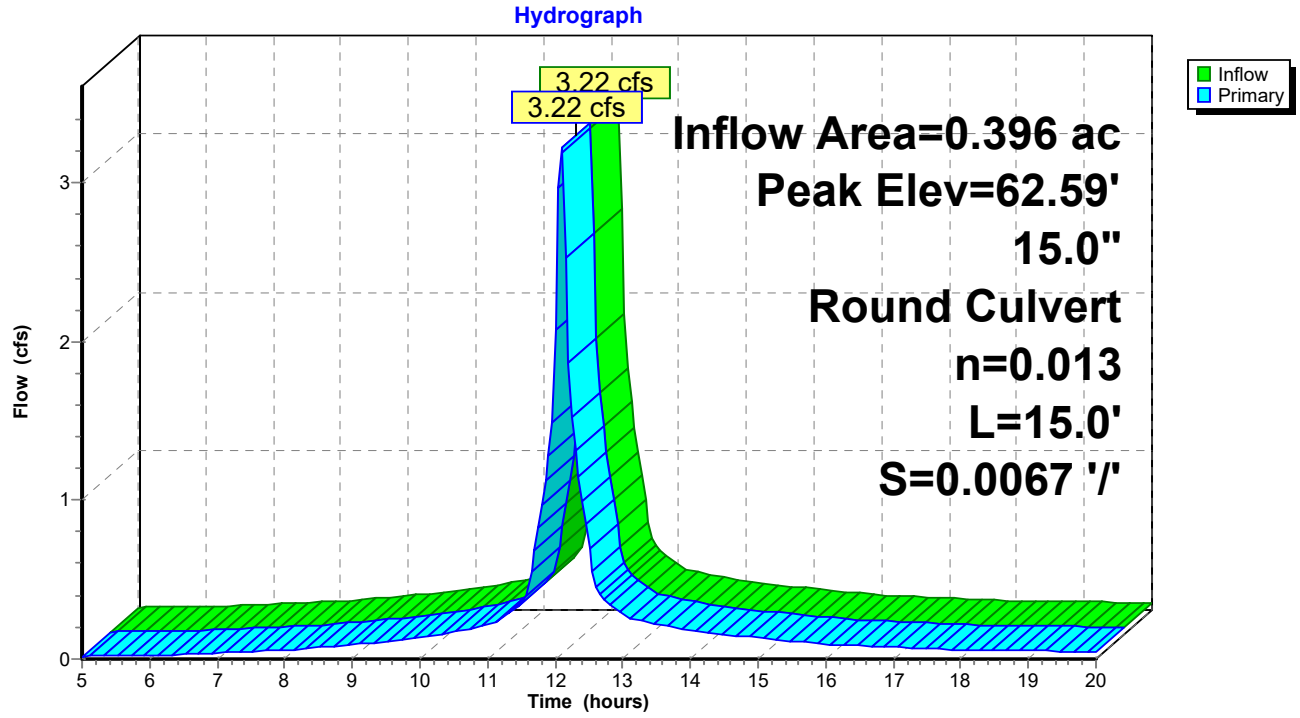
Inflow Area = 0.396 ac, 64.26% Impervious, Inflow Depth > 7.18" for 100-Year event
Inflow = 3.22 cfs @ 12.09 hrs, Volume= 0.237 af
Outflow = 3.22 cfs @ 12.09 hrs, Volume= 0.237 af, Atten= 0%, Lag= 0.0 min
Primary = 3.22 cfs @ 12.09 hrs, Volume= 0.237 af
Routed to Pond 111P : DMH 57

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.59' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.40'	**15.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.40' / 61.30' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.14 cfs @ 12.09 hrs HW=62.57' (Free Discharge)
1=Culvert (Barrel Controls 3.14 cfs @ 3.41 fps)

Pond 110P: CB 78



Stage-Area-Storage for Pond 110P: CB 78

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.40	**0.000**	61.93	0.000	62.46	0.000
61.41	0.000	61.94	0.000	62.47	0.000
61.42	0.000	61.95	0.000	62.48	0.000
61.43	0.000	61.96	0.000	62.49	0.000
61.44	0.000	61.97	0.000	62.50	0.000
61.45	0.000	61.98	0.000	62.51	0.000
61.46	0.000	61.99	0.000	62.52	0.000
61.47	0.000	62.00	0.000	62.53	0.000
61.48	0.000	62.01	0.000	62.54	0.000
61.49	0.000	62.02	0.000	62.55	0.000
61.50	0.000	62.03	0.000	62.56	0.000
61.51	0.000	62.04	0.000	62.57	0.000
61.52	0.000	62.05	0.000	62.58	0.000
61.53	0.000	62.06	0.000	62.59	0.000
61.54	0.000	62.07	0.000	62.60	0.000
61.55	0.000	62.08	0.000	62.61	0.000
61.56	0.000	62.09	0.000	62.62	0.000
61.57	0.000	62.10	0.000	62.63	0.000
61.58	0.000	62.11	0.000	62.64	0.000
61.59	0.000	62.12	0.000	62.65	0.000
61.60	0.000	62.13	0.000		
61.61	0.000	62.14	0.000		
61.62	0.000	62.15	0.000		
61.63	0.000	62.16	0.000		
61.64	0.000	62.17	0.000		
61.65	0.000	62.18	0.000		
61.66	0.000	62.19	0.000		
61.67	0.000	62.20	0.000		
61.68	0.000	62.21	0.000		
61.69	0.000	62.22	0.000		
61.70	0.000	62.23	0.000		
61.71	0.000	62.24	0.000		
61.72	0.000	62.25	0.000		
61.73	0.000	62.26	0.000		
61.74	0.000	62.27	0.000		
61.75	0.000	62.28	0.000		
61.76	0.000	62.29	0.000		
61.77	0.000	62.30	0.000		
61.78	0.000	62.31	0.000		
61.79	0.000	62.32	0.000		
61.80	0.000	62.33	0.000		
61.81	0.000	62.34	0.000		
61.82	0.000	62.35	0.000		
61.83	0.000	62.36	0.000		
61.84	0.000	62.37	0.000		
61.85	0.000	62.38	0.000		
61.86	0.000	62.39	0.000		
61.87	0.000	62.40	0.000		
61.88	0.000	62.41	0.000		
61.89	0.000	62.42	0.000		
61.90	0.000	62.43	0.000		
61.91	0.000	62.44	0.000		
61.92	0.000	62.45	0.000		

Summary for Pond 111P: DMH 57

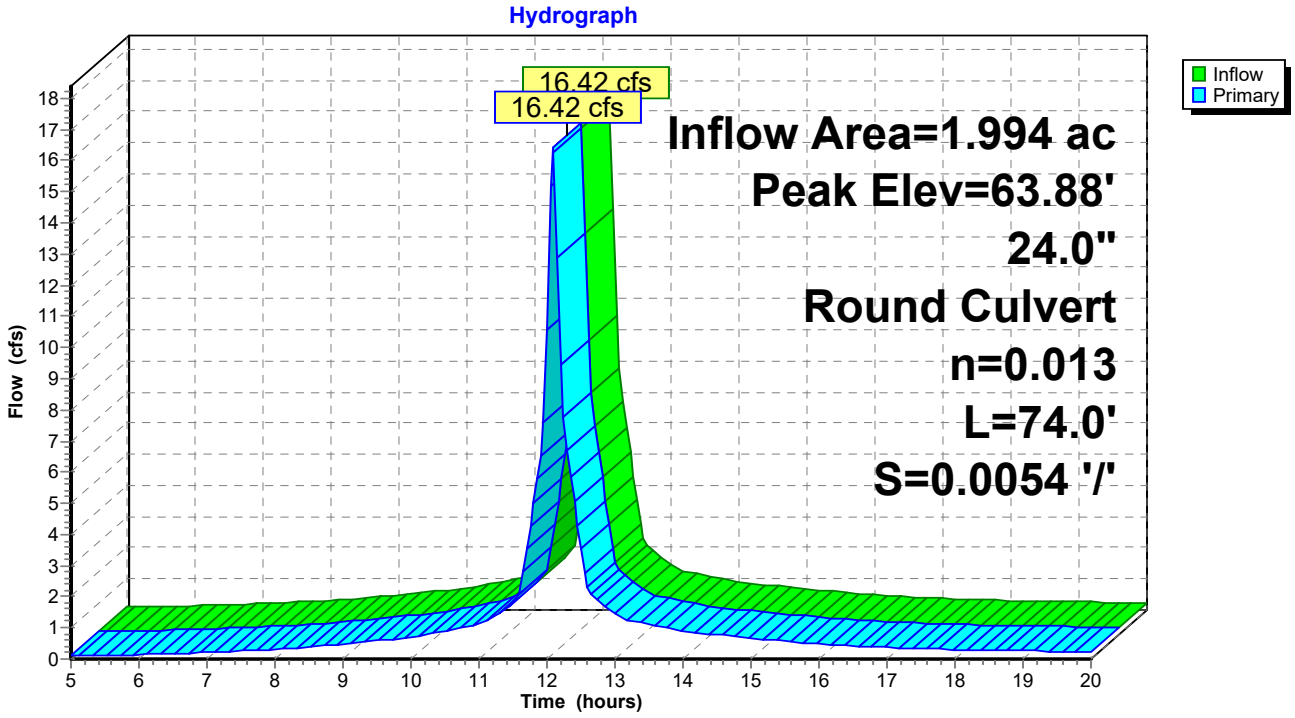
Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 7.32" for 100-Year event
Inflow = 16.42 cfs @ 12.09 hrs, Volume= 1.217 af
Outflow = 16.42 cfs @ 12.09 hrs, Volume= 1.217 af, Atten= 0%, Lag= 0.0 min
Primary = 16.42 cfs @ 12.09 hrs, Volume= 1.217 af
Routed to Pond 208P : DMH 58

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.88' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	61.00'	**24.0" Round Culvert** L= 74.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 61.00' / 60.60' S= 0.0054 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.00 cfs @ 12.09 hrs HW=63.79' (Free Discharge)
1=Culvert (Inlet Controls 16.00 cfs @ 5.09 fps)

Pond 111P: DMH 57



Stage-Area-Storage for Pond 111P: DMH 57

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
61.00	**0.000**	62.06	0.000	63.12	0.000
61.02	0.000	62.08	0.000	63.14	0.000
61.04	0.000	62.10	0.000	63.16	0.000
61.06	0.000	62.12	0.000	63.18	0.000
61.08	0.000	62.14	0.000	63.20	0.000
61.10	0.000	62.16	0.000	63.22	0.000
61.12	0.000	62.18	0.000	63.24	0.000
61.14	0.000	62.20	0.000	63.26	0.000
61.16	0.000	62.22	0.000	63.28	0.000
61.18	0.000	62.24	0.000	63.30	0.000
61.20	0.000	62.26	0.000	63.32	0.000
61.22	0.000	62.28	0.000	63.34	0.000
61.24	0.000	62.30	0.000	63.36	0.000
61.26	0.000	62.32	0.000	63.38	0.000
61.28	0.000	62.34	0.000	63.40	0.000
61.30	0.000	62.36	0.000	63.42	0.000
61.32	0.000	62.38	0.000	63.44	0.000
61.34	0.000	62.40	0.000	63.46	0.000
61.36	0.000	62.42	0.000	63.48	0.000
61.38	0.000	62.44	0.000	63.50	0.000
61.40	0.000	62.46	0.000	63.52	0.000
61.42	0.000	62.48	0.000	63.54	0.000
61.44	0.000	62.50	0.000	63.56	0.000
61.46	0.000	62.52	0.000	63.58	0.000
61.48	0.000	62.54	0.000	63.60	0.000
61.50	0.000	62.56	0.000	63.62	0.000
61.52	0.000	62.58	0.000	63.64	0.000
61.54	0.000	62.60	0.000	63.66	0.000
61.56	0.000	62.62	0.000	63.68	0.000
61.58	0.000	62.64	0.000	63.70	0.000
61.60	0.000	62.66	0.000	63.72	0.000
61.62	0.000	62.68	0.000	63.74	0.000
61.64	0.000	62.70	0.000	63.76	0.000
61.66	0.000	62.72	0.000	63.78	0.000
61.68	0.000	62.74	0.000	63.80	0.000
61.70	0.000	62.76	0.000	63.82	0.000
61.72	0.000	62.78	0.000	63.84	0.000
61.74	0.000	62.80	0.000	63.86	0.000
61.76	0.000	62.82	0.000		
61.78	0.000	62.84	0.000		
61.80	0.000	62.86	0.000		
61.82	0.000	62.88	0.000		
61.84	0.000	62.90	0.000		
61.86	0.000	62.92	0.000		
61.88	0.000	62.94	0.000		
61.90	0.000	62.96	0.000		
61.92	0.000	62.98	0.000		
61.94	0.000	63.00	0.000		
61.96	0.000	63.02	0.000		
61.98	0.000	63.04	0.000		
62.00	0.000	63.06	0.000		
62.02	0.000	63.08	0.000		
62.04	0.000	63.10	0.000		

Summary for Pond 112P: CB 45

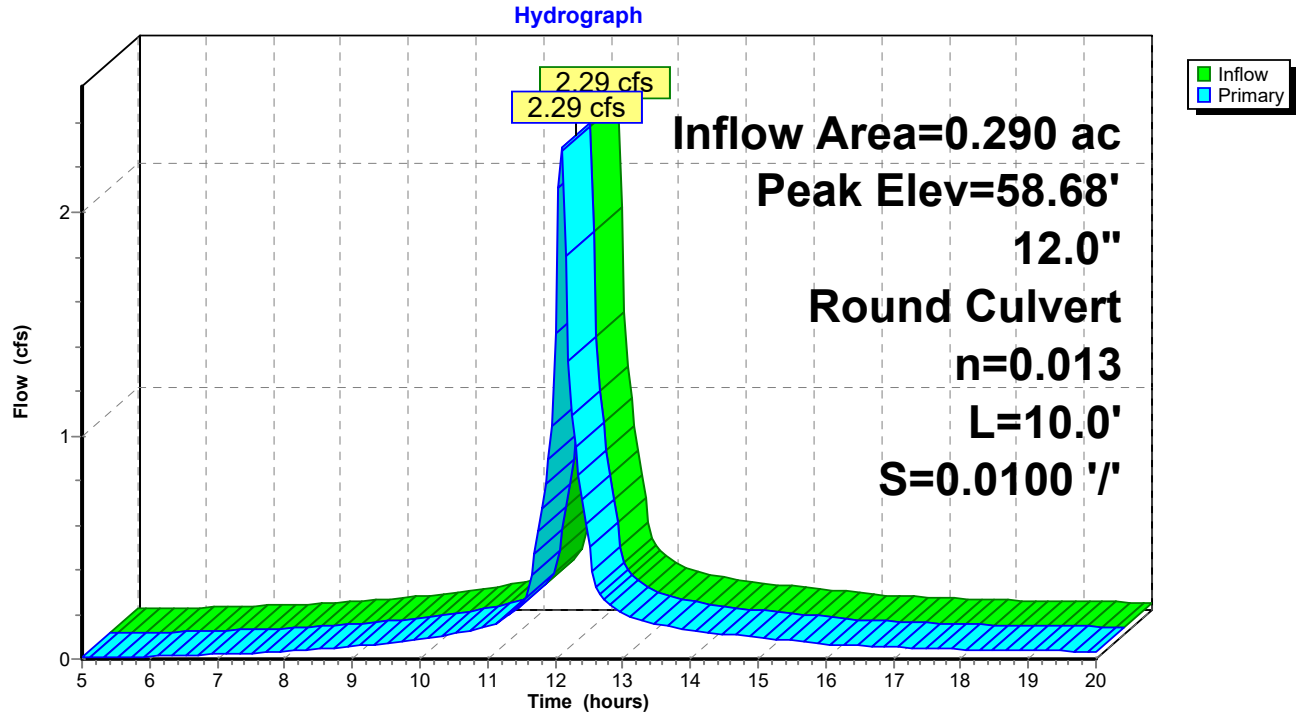
Inflow Area = 0.290 ac, 58.56% Impervious, Inflow Depth > 6.85" for 100-Year event
Inflow = 2.29 cfs @ 12.09 hrs, Volume= 0.165 af
Outflow = 2.29 cfs @ 12.09 hrs, Volume= 0.165 af, Atten= 0%, Lag= 0.0 min
Primary = 2.29 cfs @ 12.09 hrs, Volume= 0.165 af
Routed to Pond 123P : DMH 31

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.68' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.59'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.59' / 57.49' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.23 cfs @ 12.09 hrs HW=58.66' (Free Discharge)
1=Culvert (Barrel Controls 2.23 cfs @ 3.32 fps)

Pond 112P: CB 45



Stage-Area-Storage for Pond 112P: CB 45

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.59	**0.000**	58.12	0.000	58.65	0.000
57.60	0.000	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000		
57.63	0.000	58.16	0.000		
57.64	0.000	58.17	0.000		
57.65	0.000	58.18	0.000		
57.66	0.000	58.19	0.000		
57.67	0.000	58.20	0.000		
57.68	0.000	58.21	0.000		
57.69	0.000	58.22	0.000		
57.70	0.000	58.23	0.000		
57.71	0.000	58.24	0.000		
57.72	0.000	58.25	0.000		
57.73	0.000	58.26	0.000		
57.74	0.000	58.27	0.000		
57.75	0.000	58.28	0.000		
57.76	0.000	58.29	0.000		
57.77	0.000	58.30	0.000		
57.78	0.000	58.31	0.000		
57.79	0.000	58.32	0.000		
57.80	0.000	58.33	0.000		
57.81	0.000	58.34	0.000		
57.82	0.000	58.35	0.000		
57.83	0.000	58.36	0.000		
57.84	0.000	58.37	0.000		
57.85	0.000	58.38	0.000		
57.86	0.000	58.39	0.000		
57.87	0.000	58.40	0.000		
57.88	0.000	58.41	0.000		
57.89	0.000	58.42	0.000		
57.90	0.000	58.43	0.000		
57.91	0.000	58.44	0.000		
57.92	0.000	58.45	0.000		
57.93	0.000	58.46	0.000		
57.94	0.000	58.47	0.000		
57.95	0.000	58.48	0.000		
57.96	0.000	58.49	0.000		
57.97	0.000	58.50	0.000		
57.98	0.000	58.51	0.000		
57.99	0.000	58.52	0.000		
58.00	0.000	58.53	0.000		
58.01	0.000	58.54	0.000		
58.02	0.000	58.55	0.000		
58.03	0.000	58.56	0.000		
58.04	0.000	58.57	0.000		
58.05	0.000	58.58	0.000		
58.06	0.000	58.59	0.000		
58.07	0.000	58.60	0.000		
58.08	0.000	58.61	0.000		
58.09	0.000	58.62	0.000		
58.10	0.000	58.63	0.000		
58.11	0.000	58.64	0.000		

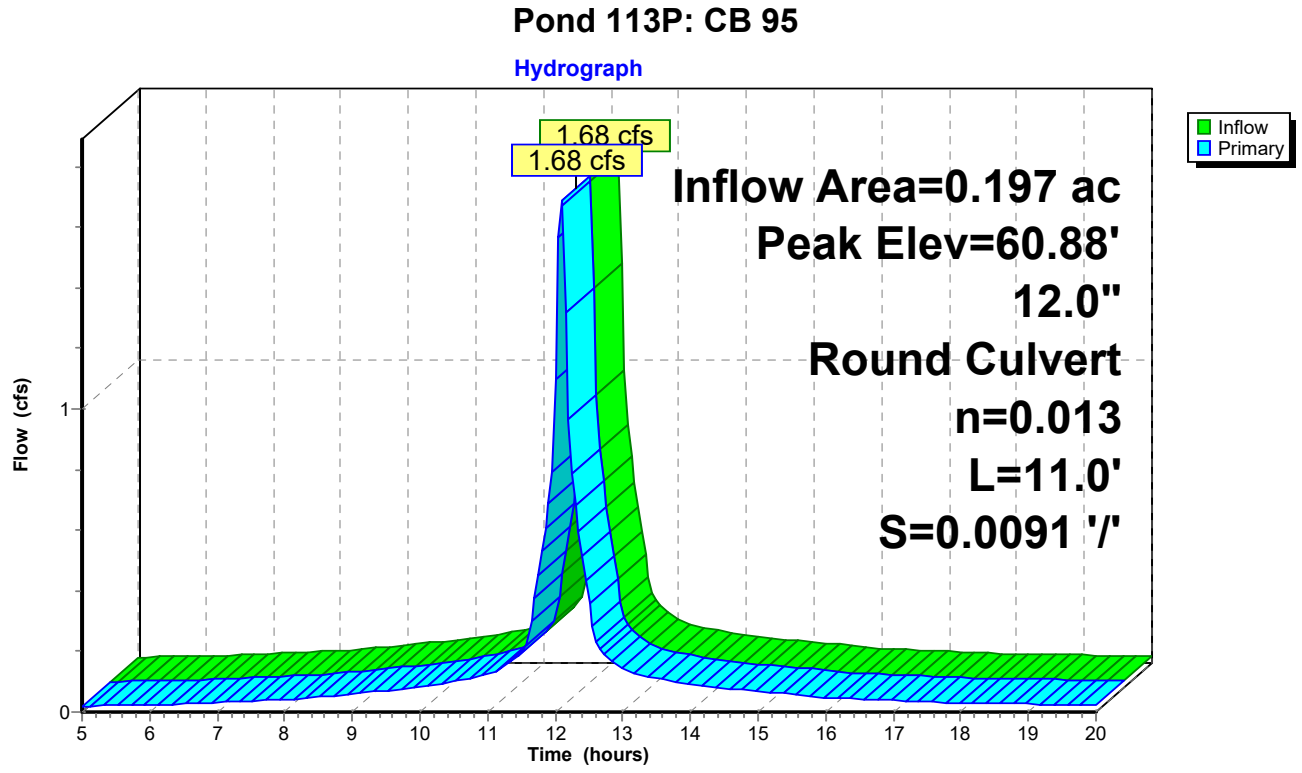
Summary for Pond 113P: CB 95

Inflow Area = 0.197 ac, 91.64% Impervious, Inflow Depth > 7.86" for 100-Year event
Inflow = 1.68 cfs @ 12.09 hrs, Volume= 0.129 af
Outflow = 1.68 cfs @ 12.09 hrs, Volume= 0.129 af, Atten= 0%, Lag= 0.0 min
Primary = 1.68 cfs @ 12.09 hrs, Volume= 0.129 af
Routed to Pond 118P : DMH 70

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.88' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.64 cfs @ 12.09 hrs HW=60.86' (Free Discharge)
1=Culvert (Barrel Controls 1.64 cfs @ 3.05 fps)



Stage-Area-Storage for Pond 113P: CB 95

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000
60.01	0.000	60.54	0.000
60.02	0.000	60.55	0.000
60.03	0.000	60.56	0.000
60.04	0.000	60.57	0.000
60.05	0.000	60.58	0.000
60.06	0.000	60.59	0.000
60.07	0.000	60.60	0.000
60.08	0.000	60.61	0.000
60.09	0.000	60.62	0.000
60.10	0.000	60.63	0.000
60.11	0.000	60.64	0.000
60.12	0.000	60.65	0.000
60.13	0.000	60.66	0.000
60.14	0.000	60.67	0.000
60.15	0.000	60.68	0.000
60.16	0.000	60.69	0.000
60.17	0.000	60.70	0.000
60.18	0.000	60.71	0.000
60.19	0.000	60.72	0.000
60.20	0.000	60.73	0.000
60.21	0.000	60.74	0.000
60.22	0.000	60.75	0.000
60.23	0.000	60.76	0.000
60.24	0.000	60.77	0.000
60.25	0.000	60.78	0.000
60.26	0.000	60.79	0.000
60.27	0.000	60.80	0.000
60.28	0.000	60.81	0.000
60.29	0.000	60.82	0.000
60.30	0.000	60.83	0.000
60.31	0.000	60.84	0.000
60.32	0.000	60.85	0.000
60.33	0.000	60.86	0.000
60.34	0.000	60.87	0.000
60.35	0.000	60.88	0.000
60.36	0.000	60.89	0.000
60.37	0.000	60.90	0.000
60.38	0.000	60.91	0.000
60.39	0.000	60.92	0.000
60.40	0.000	60.93	0.000
60.41	0.000	60.94	0.000
60.42	0.000	60.95	0.000
60.43	0.000	60.96	0.000
60.44	0.000	60.97	0.000
60.45	0.000	60.98	0.000
60.46	0.000	60.99	0.000
60.47	0.000	61.00	0.000
60.48	0.000		
60.49	0.000		
60.50	0.000		
60.51	0.000		
60.52	0.000		

Summary for Pond 114P: CB 94

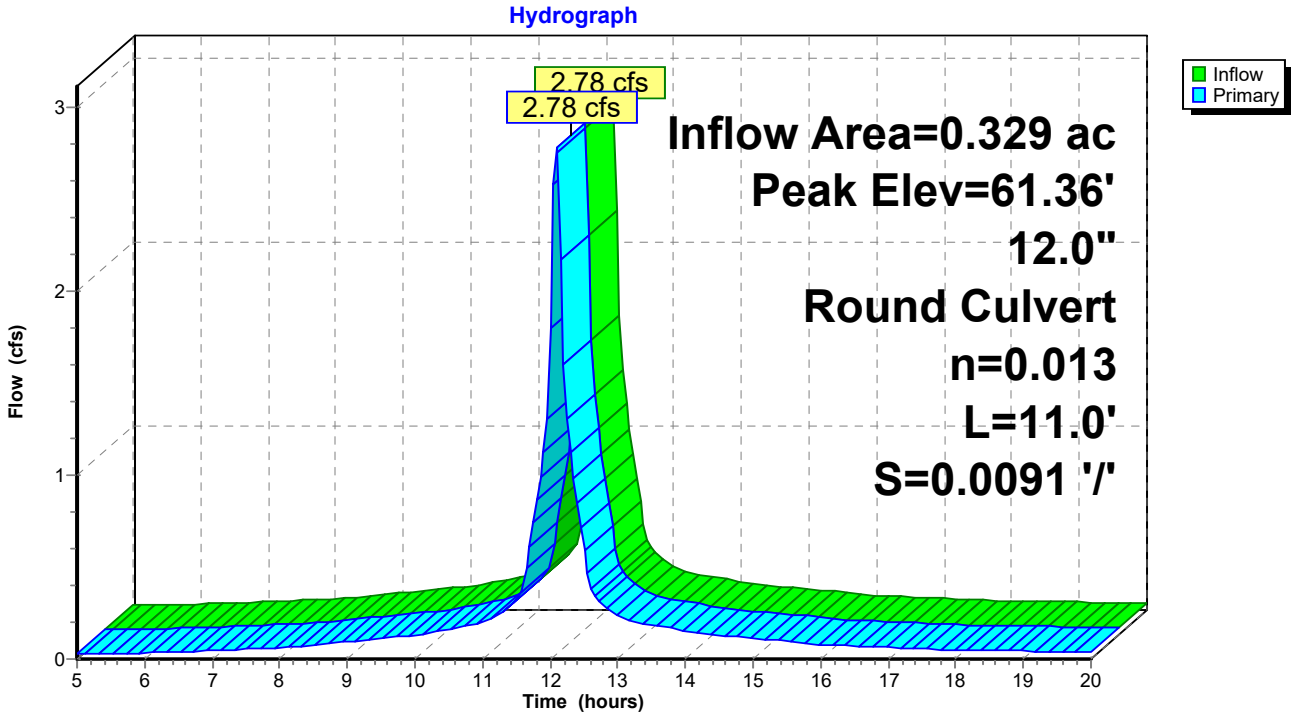
Inflow Area = 0.329 ac, 82.49% Impervious, Inflow Depth > 7.69" for 100-Year event
Inflow = 2.78 cfs @ 12.09 hrs, Volume= 0.211 af
Outflow = 2.78 cfs @ 12.09 hrs, Volume= 0.211 af, Atten= 0%, Lag= 0.0 min
Primary = 2.78 cfs @ 12.09 hrs, Volume= 0.211 af
Routed to Pond 118P : DMH 70

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.36' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.00'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.00' / 59.90' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.71 cfs @ 12.09 hrs HW=61.32' (Free Discharge)
1=Culvert (Inlet Controls 2.71 cfs @ 3.45 fps)

Pond 114P: CB 94



Stage-Area-Storage for Pond 114P: CB 94

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.00	**0.000**	60.53	0.000	61.06	0.000
60.01	0.000	60.54	0.000	61.07	0.000
60.02	0.000	60.55	0.000	61.08	0.000
60.03	0.000	60.56	0.000	61.09	0.000
60.04	0.000	60.57	0.000	61.10	0.000
60.05	0.000	60.58	0.000	61.11	0.000
60.06	0.000	60.59	0.000	61.12	0.000
60.07	0.000	60.60	0.000	61.13	0.000
60.08	0.000	60.61	0.000	61.14	0.000
60.09	0.000	60.62	0.000	61.15	0.000
60.10	0.000	60.63	0.000	61.16	0.000
60.11	0.000	60.64	0.000	61.17	0.000
60.12	0.000	60.65	0.000	61.18	0.000
60.13	0.000	60.66	0.000	61.19	0.000
60.14	0.000	60.67	0.000	61.20	0.000
60.15	0.000	60.68	0.000	61.21	0.000
60.16	0.000	60.69	0.000	61.22	0.000
60.17	0.000	60.70	0.000	61.23	0.000
60.18	0.000	60.71	0.000	61.24	0.000
60.19	0.000	60.72	0.000	61.25	0.000
60.20	0.000	60.73	0.000	61.26	0.000
60.21	0.000	60.74	0.000	61.27	0.000
60.22	0.000	60.75	0.000	61.28	0.000
60.23	0.000	60.76	0.000	61.29	0.000
60.24	0.000	60.77	0.000	61.30	0.000
60.25	0.000	60.78	0.000	61.31	0.000
60.26	0.000	60.79	0.000	61.32	0.000
60.27	0.000	60.80	0.000	61.33	0.000
60.28	0.000	60.81	0.000	61.34	0.000
60.29	0.000	60.82	0.000	61.35	0.000
60.30	0.000	60.83	0.000	61.36	0.000
60.31	0.000	60.84	0.000		
60.32	0.000	60.85	0.000		
60.33	0.000	60.86	0.000		
60.34	0.000	60.87	0.000		
60.35	0.000	60.88	0.000		
60.36	0.000	60.89	0.000		
60.37	0.000	60.90	0.000		
60.38	0.000	60.91	0.000		
60.39	0.000	60.92	0.000		
60.40	0.000	60.93	0.000		
60.41	0.000	60.94	0.000		
60.42	0.000	60.95	0.000		
60.43	0.000	60.96	0.000		
60.44	0.000	60.97	0.000		
60.45	0.000	60.98	0.000		
60.46	0.000	60.99	0.000		
60.47	0.000	61.00	0.000		
60.48	0.000	61.01	0.000		
60.49	0.000	61.02	0.000		
60.50	0.000	61.03	0.000		
60.51	0.000	61.04	0.000		
60.52	0.000	61.05	0.000		

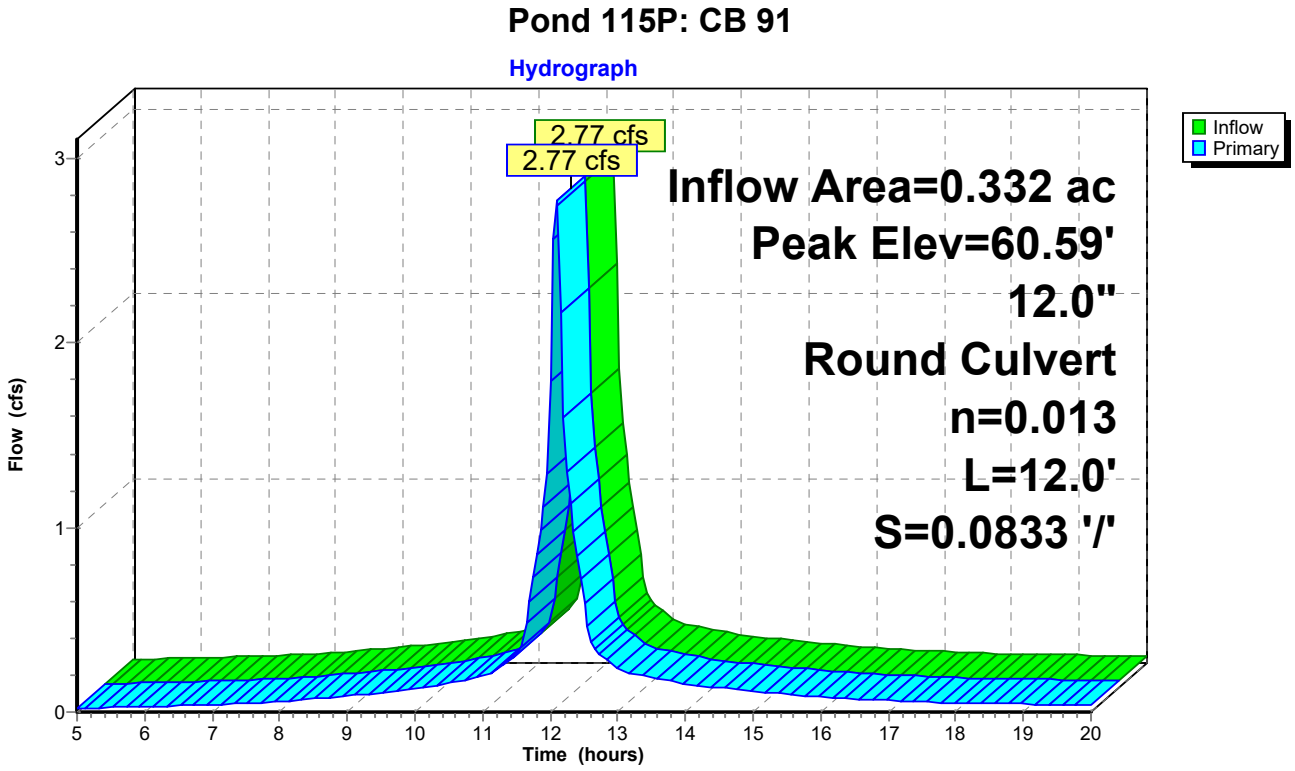
Summary for Pond 115P: CB 91

Inflow Area = 0.332 ac, 76.35% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 2.77 cfs @ 12.09 hrs, Volume= 0.208 af
Outflow = 2.77 cfs @ 12.09 hrs, Volume= 0.208 af, Atten= 0%, Lag= 0.0 min
Primary = 2.77 cfs @ 12.09 hrs, Volume= 0.208 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.59' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.23'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.23' / 58.23' S= 0.0833 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.70 cfs @ 12.09 hrs HW=60.55' (Free Discharge)
1=Culvert (Inlet Controls 2.70 cfs @ 3.44 fps)



Stage-Area-Storage for Pond 115P: CB 91

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.23	**0.000**	59.76	0.000	60.29	0.000
59.24	0.000	59.77	0.000	60.30	0.000
59.25	0.000	59.78	0.000	60.31	0.000
59.26	0.000	59.79	0.000	60.32	0.000
59.27	0.000	59.80	0.000	60.33	0.000
59.28	0.000	59.81	0.000	60.34	0.000
59.29	0.000	59.82	0.000	60.35	0.000
59.30	0.000	59.83	0.000	60.36	0.000
59.31	0.000	59.84	0.000	60.37	0.000
59.32	0.000	59.85	0.000	60.38	0.000
59.33	0.000	59.86	0.000	60.39	0.000
59.34	0.000	59.87	0.000	60.40	0.000
59.35	0.000	59.88	0.000	60.41	0.000
59.36	0.000	59.89	0.000	60.42	0.000
59.37	0.000	59.90	0.000	60.43	0.000
59.38	0.000	59.91	0.000	60.44	0.000
59.39	0.000	59.92	0.000	60.45	0.000
59.40	0.000	59.93	0.000	60.46	0.000
59.41	0.000	59.94	0.000	60.47	0.000
59.42	0.000	59.95	0.000	60.48	0.000
59.43	0.000	59.96	0.000	60.49	0.000
59.44	0.000	59.97	0.000	60.50	0.000
59.45	0.000	59.98	0.000	60.51	0.000
59.46	0.000	59.99	0.000	60.52	0.000
59.47	0.000	60.00	0.000	60.53	0.000
59.48	0.000	60.01	0.000	60.54	0.000
59.49	0.000	60.02	0.000	60.55	0.000
59.50	0.000	60.03	0.000	60.56	0.000
59.51	0.000	60.04	0.000	60.57	0.000
59.52	0.000	60.05	0.000	60.58	0.000
59.53	0.000	60.06	0.000		
59.54	0.000	60.07	0.000		
59.55	0.000	60.08	0.000		
59.56	0.000	60.09	0.000		
59.57	0.000	60.10	0.000		
59.58	0.000	60.11	0.000		
59.59	0.000	60.12	0.000		
59.60	0.000	60.13	0.000		
59.61	0.000	60.14	0.000		
59.62	0.000	60.15	0.000		
59.63	0.000	60.16	0.000		
59.64	0.000	60.17	0.000		
59.65	0.000	60.18	0.000		
59.66	0.000	60.19	0.000		
59.67	0.000	60.20	0.000		
59.68	0.000	60.21	0.000		
59.69	0.000	60.22	0.000		
59.70	0.000	60.23	0.000		
59.71	0.000	60.24	0.000		
59.72	0.000	60.25	0.000		
59.73	0.000	60.26	0.000		
59.74	0.000	60.27	0.000		
59.75	0.000	60.28	0.000		

Summary for Pond 116P: CB 90

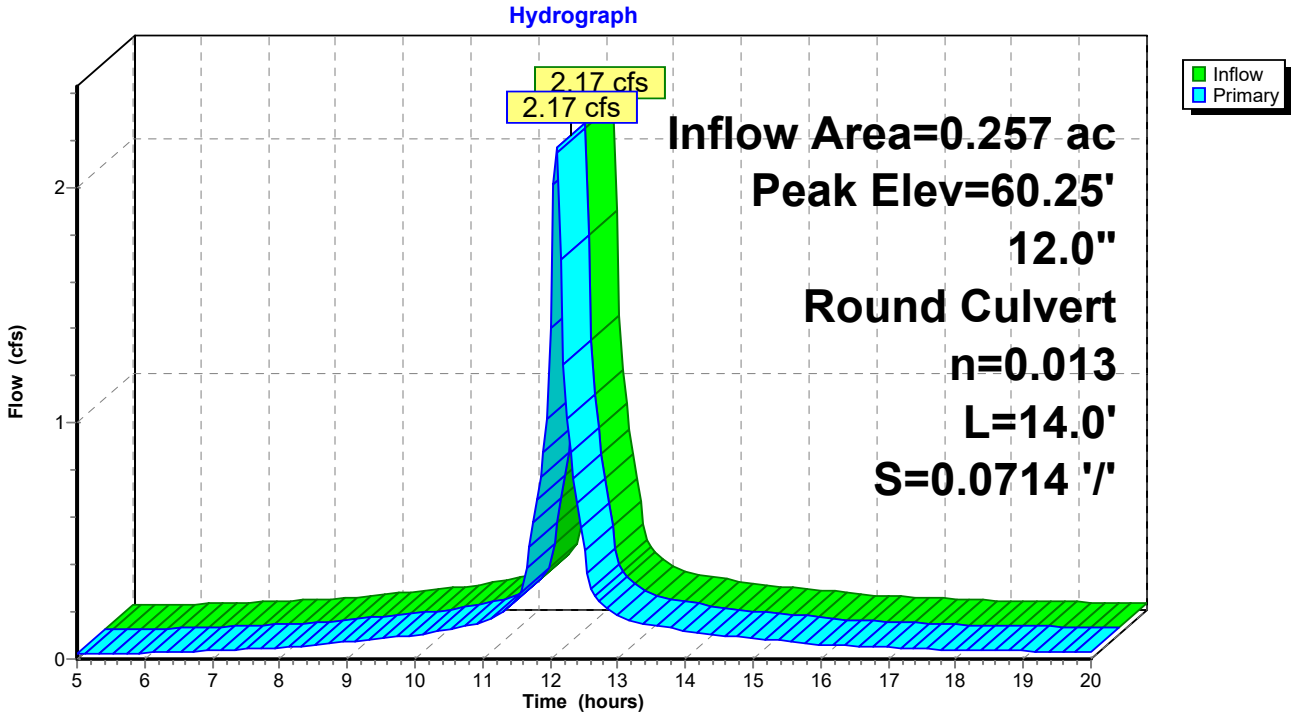
Inflow Area = 0.257 ac, 83.40% Impervious, Inflow Depth > 7.69" for 100-Year event
Inflow = 2.17 cfs @ 12.09 hrs, Volume= 0.165 af
Outflow = 2.17 cfs @ 12.09 hrs, Volume= 0.165 af, Atten= 0%, Lag= 0.0 min
Primary = 2.17 cfs @ 12.09 hrs, Volume= 0.165 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.25' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.23'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.23' / 58.23' S= 0.0714 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.11 cfs @ 12.09 hrs HW=60.23' (Free Discharge)
1=Culvert (Inlet Controls 2.11 cfs @ 2.69 fps)

Pond 116P: CB 90



Stage-Area-Storage for Pond 116P: CB 90

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.23	**0.000**	59.76	0.000
59.24	0.000	59.77	0.000
59.25	0.000	59.78	0.000
59.26	0.000	59.79	0.000
59.27	0.000	59.80	0.000
59.28	0.000	59.81	0.000
59.29	0.000	59.82	0.000
59.30	0.000	59.83	0.000
59.31	0.000	59.84	0.000
59.32	0.000	59.85	0.000
59.33	0.000	59.86	0.000
59.34	0.000	59.87	0.000
59.35	0.000	59.88	0.000
59.36	0.000	59.89	0.000
59.37	0.000	59.90	0.000
59.38	0.000	59.91	0.000
59.39	0.000	59.92	0.000
59.40	0.000	59.93	0.000
59.41	0.000	59.94	0.000
59.42	0.000	59.95	0.000
59.43	0.000	59.96	0.000
59.44	0.000	59.97	0.000
59.45	0.000	59.98	0.000
59.46	0.000	59.99	0.000
59.47	0.000	60.00	0.000
59.48	0.000	60.01	0.000
59.49	0.000	60.02	0.000
59.50	0.000	60.03	0.000
59.51	0.000	60.04	0.000
59.52	0.000	60.05	0.000
59.53	0.000	60.06	0.000
59.54	0.000	60.07	0.000
59.55	0.000	60.08	0.000
59.56	0.000	60.09	0.000
59.57	0.000	60.10	0.000
59.58	0.000	60.11	0.000
59.59	0.000	60.12	0.000
59.60	0.000	60.13	0.000
59.61	0.000	60.14	0.000
59.62	0.000	60.15	0.000
59.63	0.000	60.16	0.000
59.64	0.000	60.17	0.000
59.65	0.000	60.18	0.000
59.66	0.000	60.19	0.000
59.67	0.000	60.20	0.000
59.68	0.000	60.21	0.000
59.69	0.000	60.22	0.000
59.70	0.000	60.23	0.000
59.71	0.000	60.24	0.000
59.72	0.000	60.25	0.000
59.73	0.000		
59.74	0.000		
59.75	0.000		

Summary for Pond 117P: DMH 69

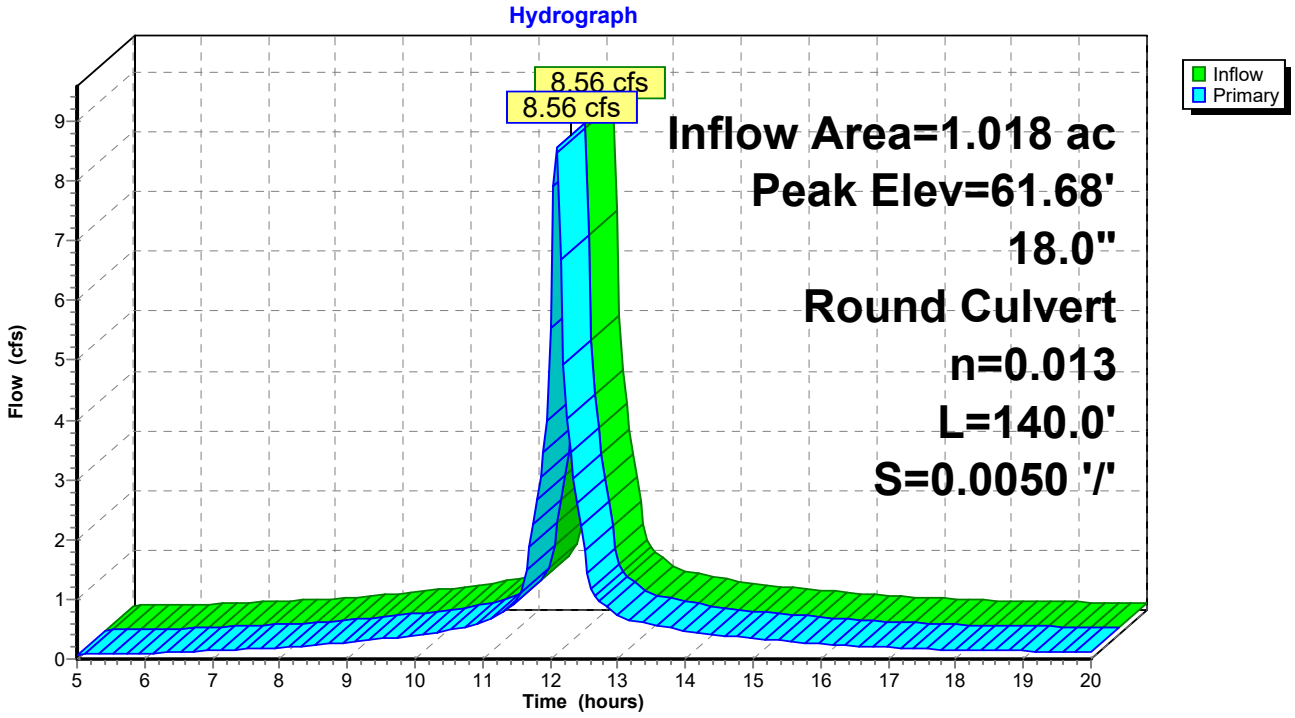
Inflow Area = 1.018 ac, 80.27% Impervious, Inflow Depth > 7.62" for 100-Year event
Inflow = 8.56 cfs @ 12.09 hrs, Volume= 0.646 af
Outflow = 8.56 cfs @ 12.09 hrs, Volume= 0.646 af, Atten= 0%, Lag= 0.0 min
Primary = 8.56 cfs @ 12.09 hrs, Volume= 0.646 af
Routed to Pond 119P : DMH 66

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.68' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.26'	**18.0" Round Culvert** L= 140.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.26' / 58.56' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=8.33 cfs @ 12.09 hrs HW=61.60' (Free Discharge)
1=Culvert (Barrel Controls 8.33 cfs @ 4.71 fps)

Pond 117P: DMH 69



Stage-Area-Storage for Pond 117P: DMH 69

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.26	**0.000**	60.32	0.000	61.38	0.000
59.28	0.000	60.34	0.000	61.40	0.000
59.30	0.000	60.36	0.000	61.42	0.000
59.32	0.000	60.38	0.000	61.44	0.000
59.34	0.000	60.40	0.000	61.46	0.000
59.36	0.000	60.42	0.000	61.48	0.000
59.38	0.000	60.44	0.000	61.50	0.000
59.40	0.000	60.46	0.000	61.52	0.000
59.42	0.000	60.48	0.000	61.54	0.000
59.44	0.000	60.50	0.000	61.56	0.000
59.46	0.000	60.52	0.000	61.58	0.000
59.48	0.000	60.54	0.000	61.60	0.000
59.50	0.000	60.56	0.000	61.62	0.000
59.52	0.000	60.58	0.000	61.64	0.000
59.54	0.000	60.60	0.000	61.66	0.000
59.56	0.000	60.62	0.000		
59.58	0.000	60.64	0.000		
59.60	0.000	60.66	0.000		
59.62	0.000	60.68	0.000		
59.64	0.000	60.70	0.000		
59.66	0.000	60.72	0.000		
59.68	0.000	60.74	0.000		
59.70	0.000	60.76	0.000		
59.72	0.000	60.78	0.000		
59.74	0.000	60.80	0.000		
59.76	0.000	60.82	0.000		
59.78	0.000	60.84	0.000		
59.80	0.000	60.86	0.000		
59.82	0.000	60.88	0.000		
59.84	0.000	60.90	0.000		
59.86	0.000	60.92	0.000		
59.88	0.000	60.94	0.000		
59.90	0.000	60.96	0.000		
59.92	0.000	60.98	0.000		
59.94	0.000	61.00	0.000		
59.96	0.000	61.02	0.000		
59.98	0.000	61.04	0.000		
60.00	0.000	61.06	0.000		
60.02	0.000	61.08	0.000		
60.04	0.000	61.10	0.000		
60.06	0.000	61.12	0.000		
60.08	0.000	61.14	0.000		
60.10	0.000	61.16	0.000		
60.12	0.000	61.18	0.000		
60.14	0.000	61.20	0.000		
60.16	0.000	61.22	0.000		
60.18	0.000	61.24	0.000		
60.20	0.000	61.26	0.000		
60.22	0.000	61.28	0.000		
60.24	0.000	61.30	0.000		
60.26	0.000	61.32	0.000		
60.28	0.000	61.34	0.000		
60.30	0.000	61.36	0.000		

Summary for Pond 118P: DMH 70

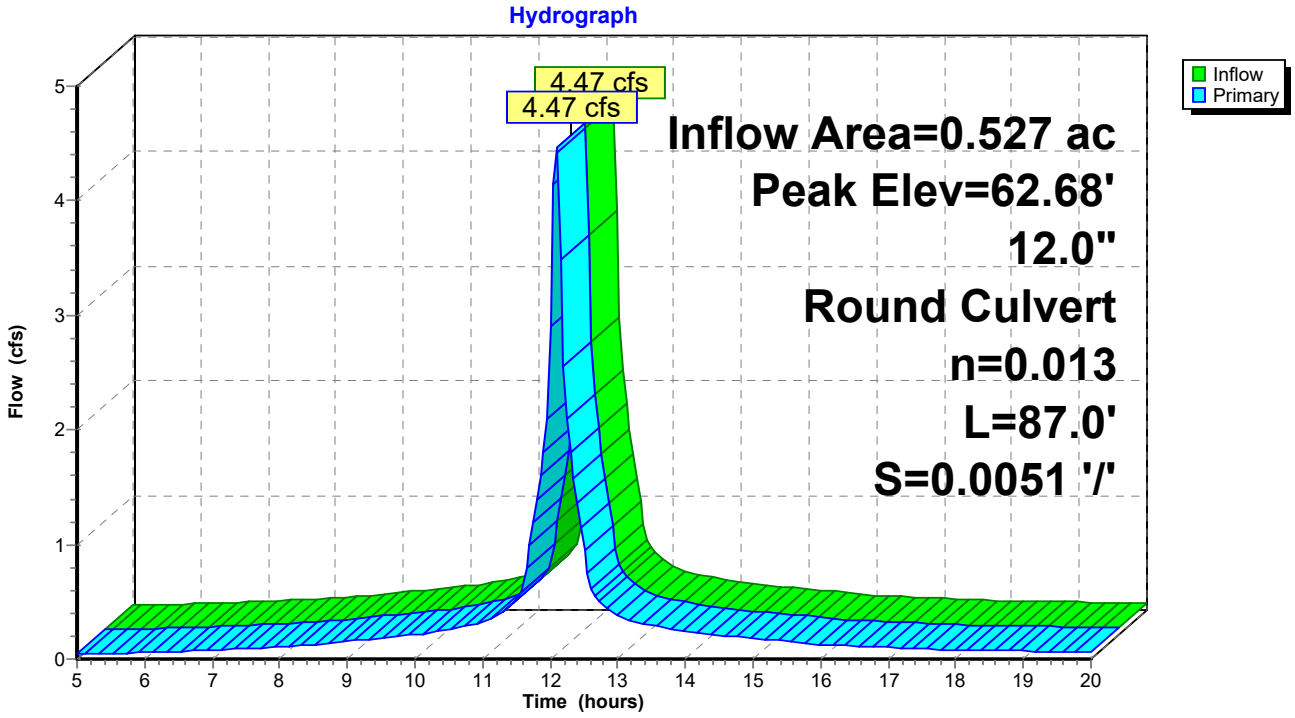
Inflow Area = 0.527 ac, 85.92% Impervious, Inflow Depth > 7.76" for 100-Year event
Inflow = 4.47 cfs @ 12.09 hrs, Volume= 0.341 af
Outflow = 4.47 cfs @ 12.09 hrs, Volume= 0.341 af, Atten= 0%, Lag= 0.0 min
Primary = 4.47 cfs @ 12.09 hrs, Volume= 0.341 af
Routed to Pond 117P : DMH 69

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.68' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.80'	**12.0" Round Culvert** L= 87.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.80' / 59.36' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.35 cfs @ 12.09 hrs HW=62.56' (Free Discharge)
1=Culvert (Barrel Controls 4.35 cfs @ 5.54 fps)

Pond 118P: DMH 70



Stage-Area-Storage for Pond 118P: DMH 70

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.80	**0.000**	60.86	0.000	61.92	0.000
59.82	0.000	60.88	0.000	61.94	0.000
59.84	0.000	60.90	0.000	61.96	0.000
59.86	0.000	60.92	0.000	61.98	0.000
59.88	0.000	60.94	0.000	62.00	0.000
59.90	0.000	60.96	0.000	62.02	0.000
59.92	0.000	60.98	0.000	62.04	0.000
59.94	0.000	61.00	0.000	62.06	0.000
59.96	0.000	61.02	0.000	62.08	0.000
59.98	0.000	61.04	0.000	62.10	0.000
60.00	0.000	61.06	0.000	62.12	0.000
60.02	0.000	61.08	0.000	62.14	0.000
60.04	0.000	61.10	0.000	62.16	0.000
60.06	0.000	61.12	0.000	62.18	0.000
60.08	0.000	61.14	0.000	62.20	0.000
60.10	0.000	61.16	0.000	62.22	0.000
60.12	0.000	61.18	0.000	62.24	0.000
60.14	0.000	61.20	0.000	62.26	0.000
60.16	0.000	61.22	0.000	62.28	0.000
60.18	0.000	61.24	0.000	62.30	0.000
60.20	0.000	61.26	0.000	62.32	0.000
60.22	0.000	61.28	0.000	62.34	0.000
60.24	0.000	61.30	0.000	62.36	0.000
60.26	0.000	61.32	0.000	62.38	0.000
60.28	0.000	61.34	0.000	62.40	0.000
60.30	0.000	61.36	0.000	62.42	0.000
60.32	0.000	61.38	0.000	62.44	0.000
60.34	0.000	61.40	0.000	62.46	0.000
60.36	0.000	61.42	0.000	62.48	0.000
60.38	0.000	61.44	0.000	62.50	0.000
60.40	0.000	61.46	0.000	62.52	0.000
60.42	0.000	61.48	0.000	62.54	0.000
60.44	0.000	61.50	0.000	62.56	0.000
60.46	0.000	61.52	0.000	62.58	0.000
60.48	0.000	61.54	0.000	62.60	0.000
60.50	0.000	61.56	0.000	62.62	0.000
60.52	0.000	61.58	0.000	62.64	0.000
60.54	0.000	61.60	0.000		
60.56	0.000	61.62	0.000		
60.58	0.000	61.64	0.000		
60.60	0.000	61.66	0.000		
60.62	0.000	61.68	0.000		
60.64	0.000	61.70	0.000		
60.66	0.000	61.72	0.000		
60.68	0.000	61.74	0.000		
60.70	0.000	61.76	0.000		
60.72	0.000	61.78	0.000		
60.74	0.000	61.80	0.000		
60.76	0.000	61.82	0.000		
60.78	0.000	61.84	0.000		
60.80	0.000	61.86	0.000		
60.82	0.000	61.88	0.000		
60.84	0.000	61.90	0.000		

Summary for Pond 119P: DMH 66

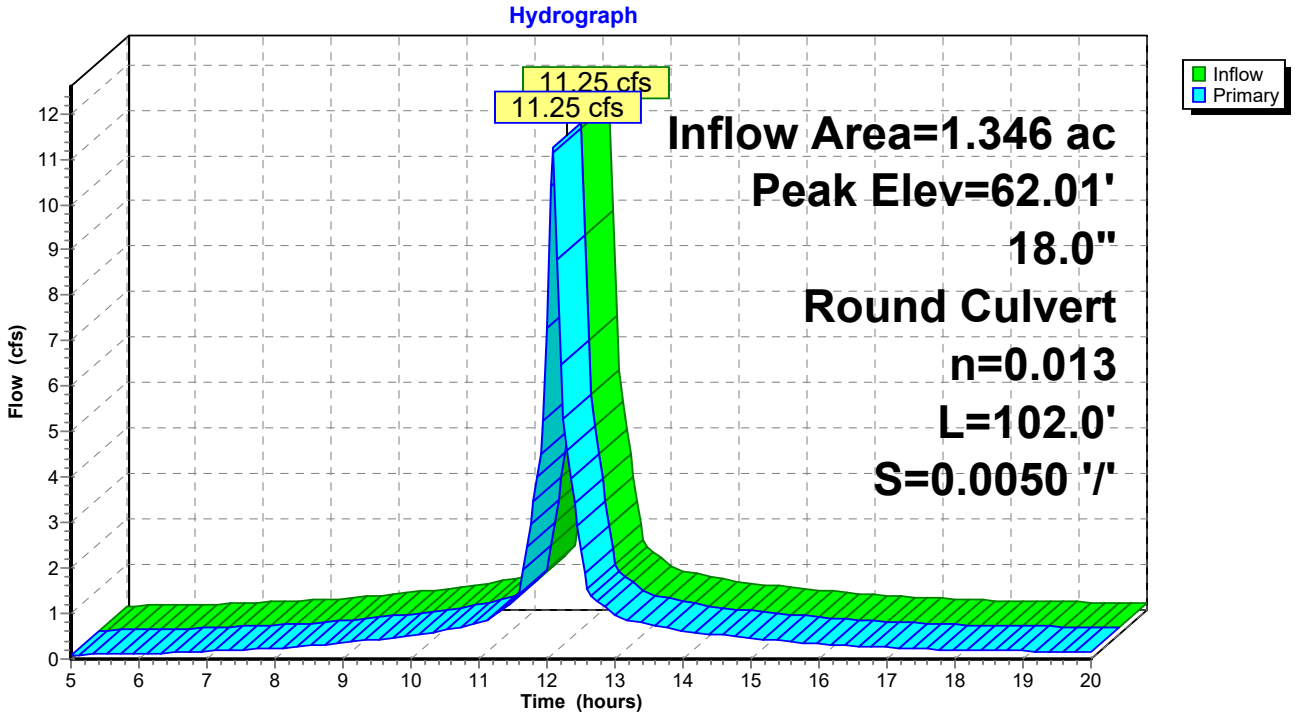
Inflow Area = 1.346 ac, 77.50% Impervious, Inflow Depth > 7.54" for 100-Year event
Inflow = 11.25 cfs @ 12.09 hrs, Volume= 0.846 af
Outflow = 11.25 cfs @ 12.09 hrs, Volume= 0.846 af, Atten= 0%, Lag= 0.0 min
Primary = 11.25 cfs @ 12.09 hrs, Volume= 0.846 af
Routed to Pond 120P : DMH 67

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 62.01' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	58.46'	**18.0" Round Culvert** L= 102.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 58.46' / 57.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=10.96 cfs @ 12.09 hrs HW=61.87' (Free Discharge)
1=Culvert (Inlet Controls 10.96 cfs @ 6.20 fps)

Pond 119P: DMH 66



Stage-Area-Storage for Pond 119P: DMH 66

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
58.46	**0.000**	61.11	0.000
58.51	0.000	61.16	0.000
58.56	0.000	61.21	0.000
58.61	0.000	61.26	0.000
58.66	0.000	61.31	0.000
58.71	0.000	61.36	0.000
58.76	0.000	61.41	0.000
58.81	0.000	61.46	0.000
58.86	0.000	61.51	0.000
58.91	0.000	61.56	0.000
58.96	0.000	61.61	0.000
59.01	0.000	61.66	0.000
59.06	0.000	61.71	0.000
59.11	0.000	61.76	0.000
59.16	0.000	61.81	0.000
59.21	0.000	61.86	0.000
59.26	0.000	61.91	0.000
59.31	0.000	61.96	0.000
59.36	0.000		
59.41	0.000		
59.46	0.000		
59.51	0.000		
59.56	0.000		
59.61	0.000		
59.66	0.000		
59.71	0.000		
59.76	0.000		
59.81	0.000		
59.86	0.000		
59.91	0.000		
59.96	0.000		
60.01	0.000		
60.06	0.000		
60.11	0.000		
60.16	0.000		
60.21	0.000		
60.26	0.000		
60.31	0.000		
60.36	0.000		
60.41	0.000		
60.46	0.000		
60.51	0.000		
60.56	0.000		
60.61	0.000		
60.66	0.000		
60.71	0.000		
60.76	0.000		
60.81	0.000		
60.86	0.000		
60.91	0.000		
60.96	0.000		
61.01	0.000		
61.06	0.000		

Summary for Pond 120P: DMH 67

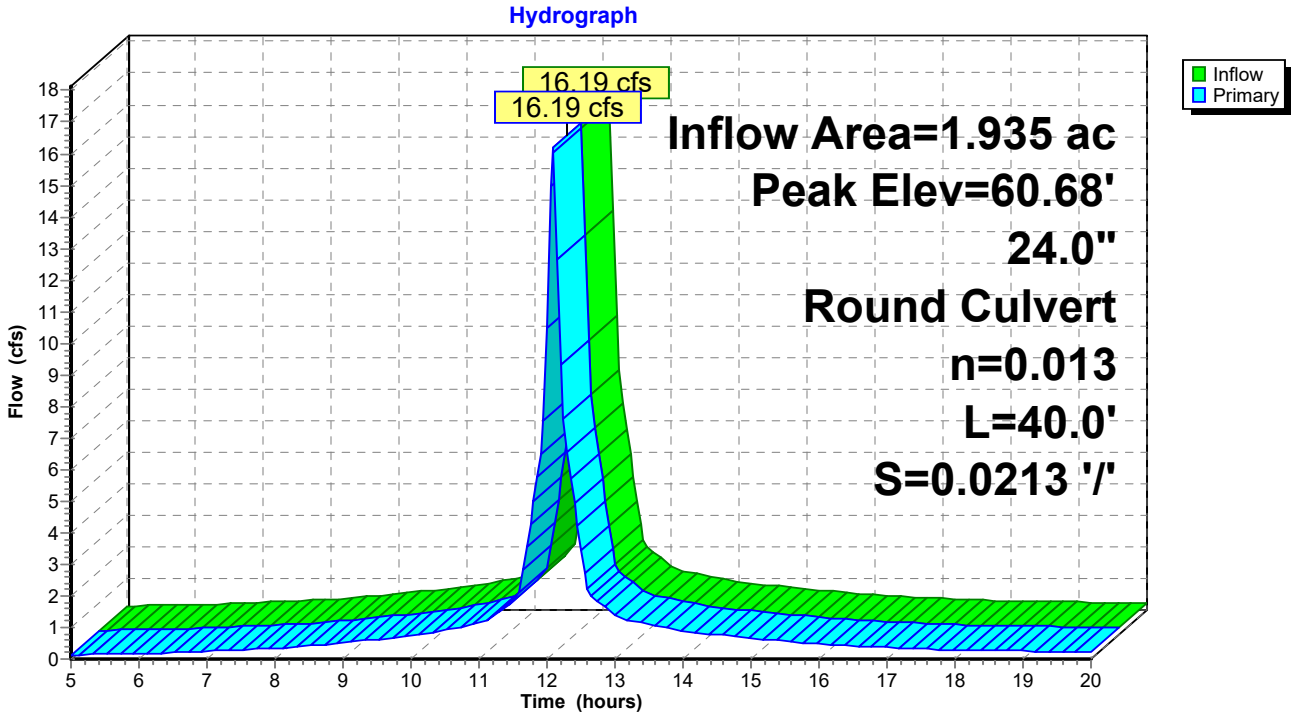
Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 7.55" for 100-Year event
Inflow = 16.19 cfs @ 12.09 hrs, Volume= 1.218 af
Outflow = 16.19 cfs @ 12.09 hrs, Volume= 1.218 af, Atten= 0%, Lag= 0.0 min
Primary = 16.19 cfs @ 12.09 hrs, Volume= 1.218 af
Routed to Pond 210P : DMH 68

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.68' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.85'	**24.0" Round Culvert** L= 40.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.85' / 57.00' S= 0.0213 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.77 cfs @ 12.09 hrs HW=60.59' (Free Discharge)
1=Culvert (Inlet Controls 15.77 cfs @ 5.02 fps)

Pond 120P: DMH 67



Stage-Area-Storage for Pond 120P: DMH 67

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.85	**0.000**	58.91	0.000	59.97	0.000
57.87	0.000	58.93	0.000	59.99	0.000
57.89	0.000	58.95	0.000	60.01	0.000
57.91	0.000	58.97	0.000	60.03	0.000
57.93	0.000	58.99	0.000	60.05	0.000
57.95	0.000	59.01	0.000	60.07	0.000
57.97	0.000	59.03	0.000	60.09	0.000
57.99	0.000	59.05	0.000	60.11	0.000
58.01	0.000	59.07	0.000	60.13	0.000
58.03	0.000	59.09	0.000	60.15	0.000
58.05	0.000	59.11	0.000	60.17	0.000
58.07	0.000	59.13	0.000	60.19	0.000
58.09	0.000	59.15	0.000	60.21	0.000
58.11	0.000	59.17	0.000	60.23	0.000
58.13	0.000	59.19	0.000	60.25	0.000
58.15	0.000	59.21	0.000	60.27	0.000
58.17	0.000	59.23	0.000	60.29	0.000
58.19	0.000	59.25	0.000	60.31	0.000
58.21	0.000	59.27	0.000	60.33	0.000
58.23	0.000	59.29	0.000	60.35	0.000
58.25	0.000	59.31	0.000	60.37	0.000
58.27	0.000	59.33	0.000	60.39	0.000
58.29	0.000	59.35	0.000	60.41	0.000
58.31	0.000	59.37	0.000	60.43	0.000
58.33	0.000	59.39	0.000	60.45	0.000
58.35	0.000	59.41	0.000	60.47	0.000
58.37	0.000	59.43	0.000	60.49	0.000
58.39	0.000	59.45	0.000	60.51	0.000
58.41	0.000	59.47	0.000	60.53	0.000
58.43	0.000	59.49	0.000	60.55	0.000
58.45	0.000	59.51	0.000	60.57	0.000
58.47	0.000	59.53	0.000	60.59	0.000
58.49	0.000	59.55	0.000	60.61	0.000
58.51	0.000	59.57	0.000	60.63	0.000
58.53	0.000	59.59	0.000	60.65	0.000
58.55	0.000	59.61	0.000	60.67	0.000
58.57	0.000	59.63	0.000		
58.59	0.000	59.65	0.000		
58.61	0.000	59.67	0.000		
58.63	0.000	59.69	0.000		
58.65	0.000	59.71	0.000		
58.67	0.000	59.73	0.000		
58.69	0.000	59.75	0.000		
58.71	0.000	59.77	0.000		
58.73	0.000	59.79	0.000		
58.75	0.000	59.81	0.000		
58.77	0.000	59.83	0.000		
58.79	0.000	59.85	0.000		
58.81	0.000	59.87	0.000		
58.83	0.000	59.89	0.000		
58.85	0.000	59.91	0.000		
58.87	0.000	59.93	0.000		
58.89	0.000	59.95	0.000		

Summary for Pond 122P: CB 46

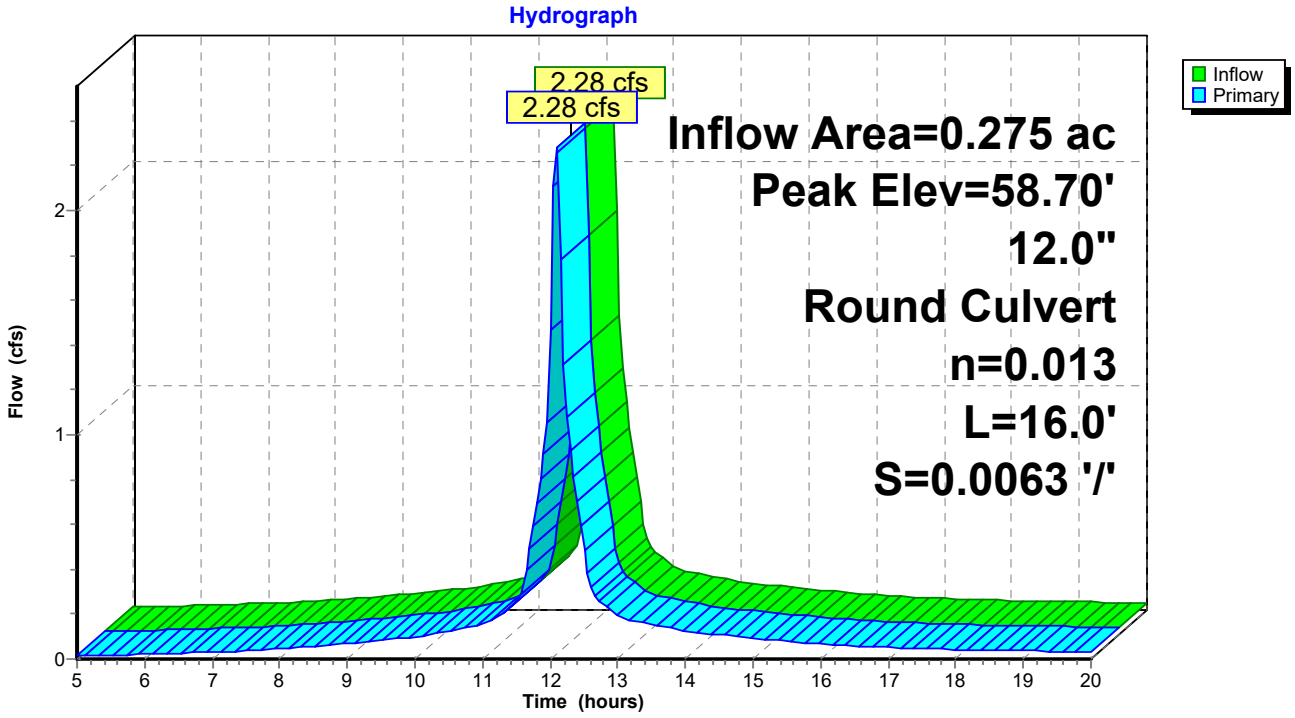
Inflow Area = 0.275 ac, 72.42% Impervious, Inflow Depth > 7.40" for 100-Year event
Inflow = 2.28 cfs @ 12.09 hrs, Volume= 0.170 af
Outflow = 2.28 cfs @ 12.09 hrs, Volume= 0.170 af, Atten= 0%, Lag= 0.0 min
Primary = 2.28 cfs @ 12.09 hrs, Volume= 0.170 af
Routed to Pond 123P : DMH 31

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.70' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.59'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.59' / 57.49' S= 0.0063 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.22 cfs @ 12.09 hrs HW=58.68' (Free Discharge)
1=Culvert (Barrel Controls 2.22 cfs @ 3.24 fps)

Pond 122P: CB 46



Stage-Area-Storage for Pond 122P: CB 46

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.59	**0.000**	58.12	0.000	58.65	0.000
57.60	0.000	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000		
57.66	0.000	58.19	0.000		
57.67	0.000	58.20	0.000		
57.68	0.000	58.21	0.000		
57.69	0.000	58.22	0.000		
57.70	0.000	58.23	0.000		
57.71	0.000	58.24	0.000		
57.72	0.000	58.25	0.000		
57.73	0.000	58.26	0.000		
57.74	0.000	58.27	0.000		
57.75	0.000	58.28	0.000		
57.76	0.000	58.29	0.000		
57.77	0.000	58.30	0.000		
57.78	0.000	58.31	0.000		
57.79	0.000	58.32	0.000		
57.80	0.000	58.33	0.000		
57.81	0.000	58.34	0.000		
57.82	0.000	58.35	0.000		
57.83	0.000	58.36	0.000		
57.84	0.000	58.37	0.000		
57.85	0.000	58.38	0.000		
57.86	0.000	58.39	0.000		
57.87	0.000	58.40	0.000		
57.88	0.000	58.41	0.000		
57.89	0.000	58.42	0.000		
57.90	0.000	58.43	0.000		
57.91	0.000	58.44	0.000		
57.92	0.000	58.45	0.000		
57.93	0.000	58.46	0.000		
57.94	0.000	58.47	0.000		
57.95	0.000	58.48	0.000		
57.96	0.000	58.49	0.000		
57.97	0.000	58.50	0.000		
57.98	0.000	58.51	0.000		
57.99	0.000	58.52	0.000		
58.00	0.000	58.53	0.000		
58.01	0.000	58.54	0.000		
58.02	0.000	58.55	0.000		
58.03	0.000	58.56	0.000		
58.04	0.000	58.57	0.000		
58.05	0.000	58.58	0.000		
58.06	0.000	58.59	0.000		
58.07	0.000	58.60	0.000		
58.08	0.000	58.61	0.000		
58.09	0.000	58.62	0.000		
58.10	0.000	58.63	0.000		
58.11	0.000	58.64	0.000		

Summary for Pond 123P: DMH 31

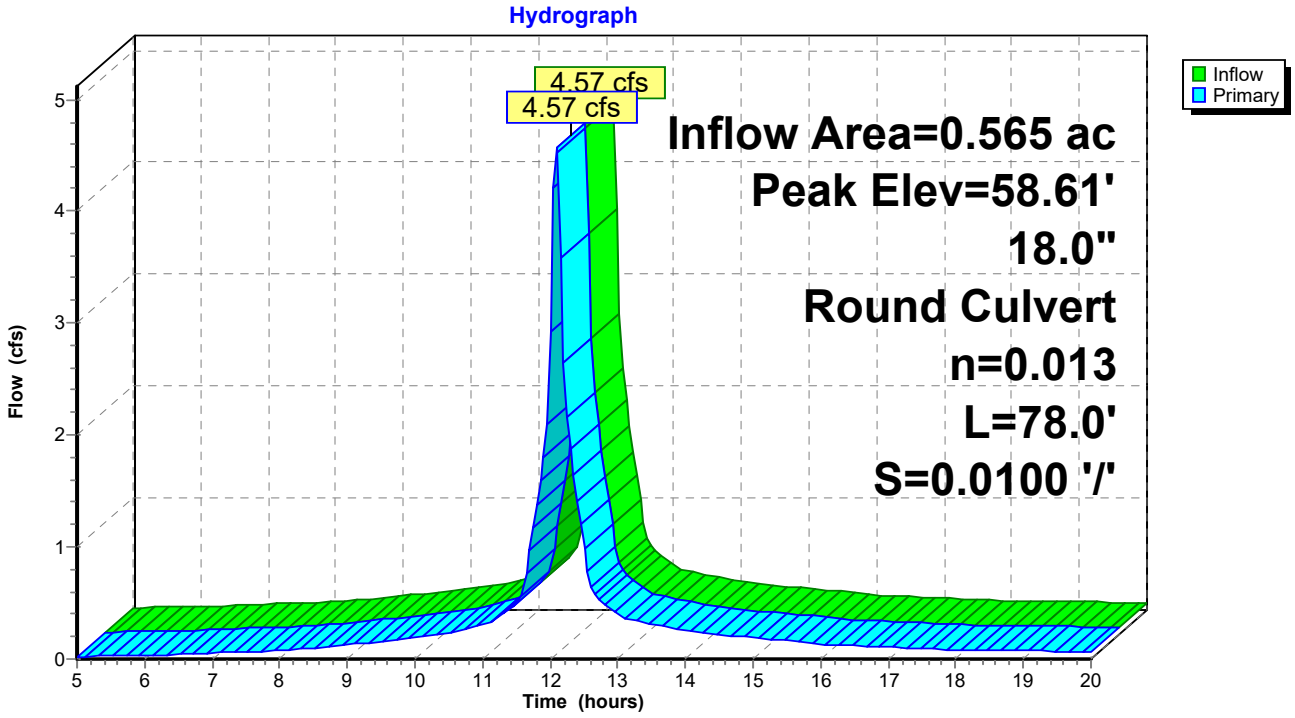
Inflow Area = 0.565 ac, 65.31% Impervious, Inflow Depth > 7.12" for 100-Year event
Inflow = 4.57 cfs @ 12.09 hrs, Volume= 0.335 af
Outflow = 4.57 cfs @ 12.09 hrs, Volume= 0.335 af, Atten= 0%, Lag= 0.0 min
Primary = 4.57 cfs @ 12.09 hrs, Volume= 0.335 af
Routed to Pond 124P : DMH 32

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.61' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.39'	**18.0" Round Culvert** L= 78.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.39' / 56.61' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.45 cfs @ 12.09 hrs HW=58.59' (Free Discharge)
1=Culvert (Inlet Controls 4.45 cfs @ 2.94 fps)

Pond 123P: DMH 31



Stage-Area-Storage for Pond 123P: DMH 31

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.39	**0.000**	57.92	0.000	58.45	0.000
57.40	0.000	57.93	0.000	58.46	0.000
57.41	0.000	57.94	0.000	58.47	0.000
57.42	0.000	57.95	0.000	58.48	0.000
57.43	0.000	57.96	0.000	58.49	0.000
57.44	0.000	57.97	0.000	58.50	0.000
57.45	0.000	57.98	0.000	58.51	0.000
57.46	0.000	57.99	0.000	58.52	0.000
57.47	0.000	58.00	0.000	58.53	0.000
57.48	0.000	58.01	0.000	58.54	0.000
57.49	0.000	58.02	0.000	58.55	0.000
57.50	0.000	58.03	0.000	58.56	0.000
57.51	0.000	58.04	0.000	58.57	0.000
57.52	0.000	58.05	0.000	58.58	0.000
57.53	0.000	58.06	0.000	58.59	0.000
57.54	0.000	58.07	0.000	58.60	0.000
57.55	0.000	58.08	0.000	58.61	0.000
57.56	0.000	58.09	0.000	58.62	0.000
57.57	0.000	58.10	0.000	58.63	0.000
57.58	0.000	58.11	0.000	58.64	0.000
57.59	0.000	58.12	0.000	58.65	0.000
57.60	0.000	58.13	0.000	58.66	0.000
57.61	0.000	58.14	0.000	58.67	0.000
57.62	0.000	58.15	0.000	58.68	0.000
57.63	0.000	58.16	0.000	58.69	0.000
57.64	0.000	58.17	0.000	58.70	0.000
57.65	0.000	58.18	0.000	58.71	0.000
57.66	0.000	58.19	0.000	58.72	0.000
57.67	0.000	58.20	0.000	58.73	0.000
57.68	0.000	58.21	0.000	58.74	0.000
57.69	0.000	58.22	0.000	58.75	0.000
57.70	0.000	58.23	0.000	58.76	0.000
57.71	0.000	58.24	0.000	58.77	0.000
57.72	0.000	58.25	0.000	58.78	0.000
57.73	0.000	58.26	0.000	58.79	0.000
57.74	0.000	58.27	0.000	58.80	0.000
57.75	0.000	58.28	0.000	58.81	0.000
57.76	0.000	58.29	0.000	58.82	0.000
57.77	0.000	58.30	0.000	58.83	0.000
57.78	0.000	58.31	0.000	58.84	0.000
57.79	0.000	58.32	0.000	58.85	0.000
57.80	0.000	58.33	0.000	58.86	0.000
57.81	0.000	58.34	0.000	58.87	0.000
57.82	0.000	58.35	0.000	58.88	0.000
57.83	0.000	58.36	0.000	58.89	0.000
57.84	0.000	58.37	0.000		
57.85	0.000	58.38	0.000		
57.86	0.000	58.39	0.000		
57.87	0.000	58.40	0.000		
57.88	0.000	58.41	0.000		
57.89	0.000	58.42	0.000		
57.90	0.000	58.43	0.000		
57.91	0.000	58.44	0.000		

Summary for Pond 124P: DMH 32

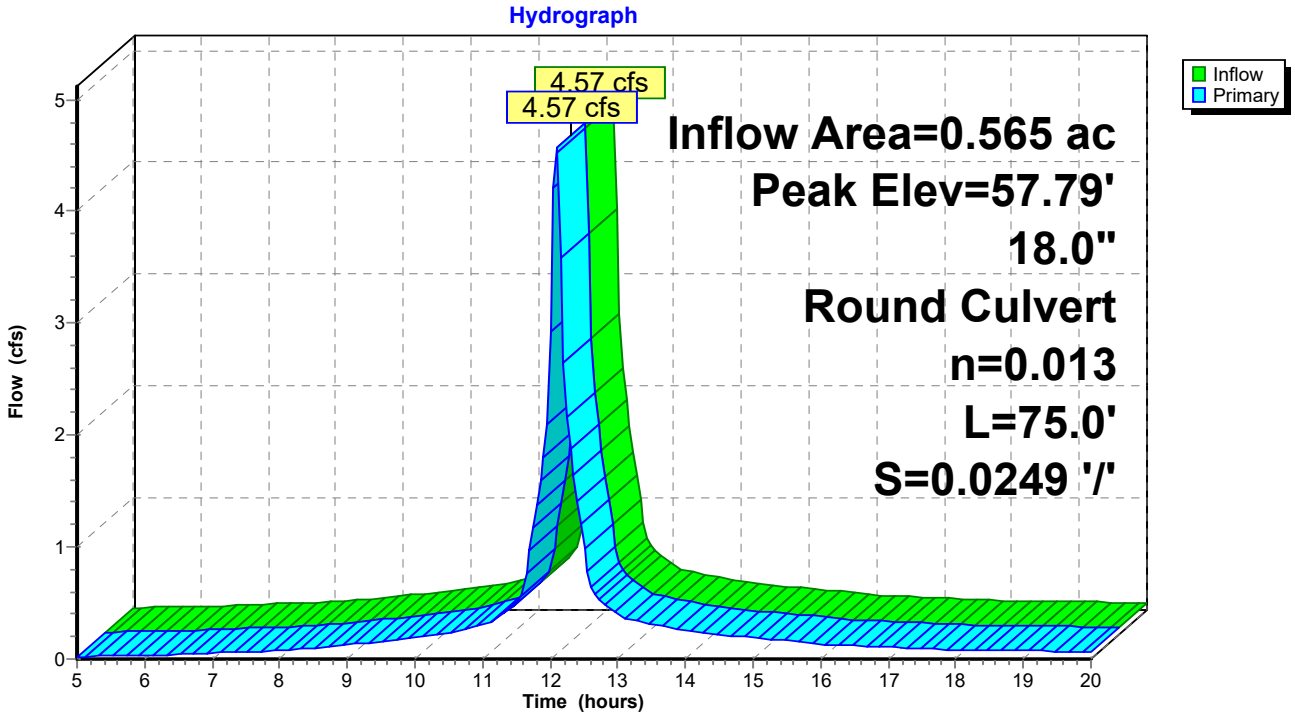
Inflow Area = 0.565 ac, 65.31% Impervious, Inflow Depth > 7.12" for 100-Year event
Inflow = 4.57 cfs @ 12.09 hrs, Volume= 0.335 af
Outflow = 4.57 cfs @ 12.09 hrs, Volume= 0.335 af, Atten= 0%, Lag= 0.0 min
Primary = 4.57 cfs @ 12.09 hrs, Volume= 0.335 af
Routed to Pond 206P : DMH 34

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.79' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	56.57'	**18.0" Round Culvert** L= 75.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.57' / 54.70' S= 0.0249 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.45 cfs @ 12.09 hrs HW=57.77' (Free Discharge)
1=Culvert (Inlet Controls 4.45 cfs @ 2.94 fps)

Pond 124P: DMH 32



Stage-Area-Storage for Pond 124P: DMH 32

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
56.57	**0.000**	57.10	0.000	57.63	0.000
56.58	0.000	57.11	0.000	57.64	0.000
56.59	0.000	57.12	0.000	57.65	0.000
56.60	0.000	57.13	0.000	57.66	0.000
56.61	0.000	57.14	0.000	57.67	0.000
56.62	0.000	57.15	0.000	57.68	0.000
56.63	0.000	57.16	0.000	57.69	0.000
56.64	0.000	57.17	0.000	57.70	0.000
56.65	0.000	57.18	0.000	57.71	0.000
56.66	0.000	57.19	0.000	57.72	0.000
56.67	0.000	57.20	0.000	57.73	0.000
56.68	0.000	57.21	0.000	57.74	0.000
56.69	0.000	57.22	0.000	57.75	0.000
56.70	0.000	57.23	0.000	57.76	0.000
56.71	0.000	57.24	0.000	57.77	0.000
56.72	0.000	57.25	0.000	57.78	0.000
56.73	0.000	57.26	0.000	57.79	0.000
56.74	0.000	57.27	0.000	57.80	0.000
56.75	0.000	57.28	0.000	57.81	0.000
56.76	0.000	57.29	0.000	57.82	0.000
56.77	0.000	57.30	0.000	57.83	0.000
56.78	0.000	57.31	0.000	57.84	0.000
56.79	0.000	57.32	0.000	57.85	0.000
56.80	0.000	57.33	0.000	57.86	0.000
56.81	0.000	57.34	0.000	57.87	0.000
56.82	0.000	57.35	0.000	57.88	0.000
56.83	0.000	57.36	0.000	57.89	0.000
56.84	0.000	57.37	0.000	57.90	0.000
56.85	0.000	57.38	0.000	57.91	0.000
56.86	0.000	57.39	0.000	57.92	0.000
56.87	0.000	57.40	0.000	57.93	0.000
56.88	0.000	57.41	0.000	57.94	0.000
56.89	0.000	57.42	0.000	57.95	0.000
56.90	0.000	57.43	0.000	57.96	0.000
56.91	0.000	57.44	0.000	57.97	0.000
56.92	0.000	57.45	0.000	57.98	0.000
56.93	0.000	57.46	0.000	57.99	0.000
56.94	0.000	57.47	0.000	58.00	0.000
56.95	0.000	57.48	0.000	58.01	0.000
56.96	0.000	57.49	0.000	58.02	0.000
56.97	0.000	57.50	0.000	58.03	0.000
56.98	0.000	57.51	0.000	58.04	0.000
56.99	0.000	57.52	0.000	58.05	0.000
57.00	0.000	57.53	0.000	58.06	0.000
57.01	0.000	57.54	0.000	58.07	0.000
57.02	0.000	57.55	0.000		
57.03	0.000	57.56	0.000		
57.04	0.000	57.57	0.000		
57.05	0.000	57.58	0.000		
57.06	0.000	57.59	0.000		
57.07	0.000	57.60	0.000		
57.08	0.000	57.61	0.000		
57.09	0.000	57.62	0.000		

Summary for Pond 125P: CB 36

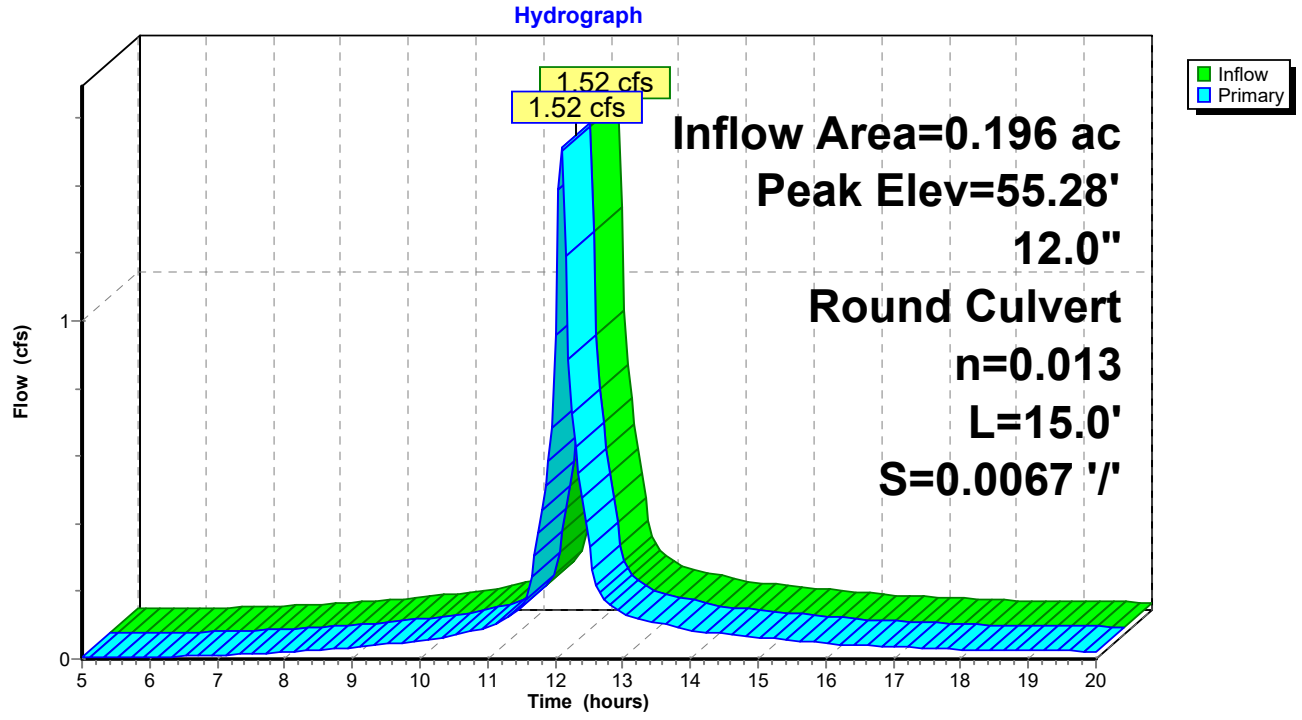
Inflow Area = 0.196 ac, 76.76% Impervious, Inflow Depth > 6.62" for 100-Year event
Inflow = 1.52 cfs @ 12.09 hrs, Volume= 0.108 af
Outflow = 1.52 cfs @ 12.09 hrs, Volume= 0.108 af, Atten= 0%, Lag= 0.0 min
Primary = 1.52 cfs @ 12.09 hrs, Volume= 0.108 af
Routed to Pond 127P : DMH 26

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.28' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.45'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.45' / 54.35' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.48 cfs @ 12.09 hrs HW=55.27' (Free Discharge)
1=Culvert (Barrel Controls 1.48 cfs @ 2.92 fps)

Pond 125P: CB 36



Stage-Area-Storage for Pond 125P: CB 36

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.45	**0.000**	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000		
54.94	0.000		
54.95	0.000		
54.96	0.000		
54.97	0.000		

Summary for Pond 126P: CB 37

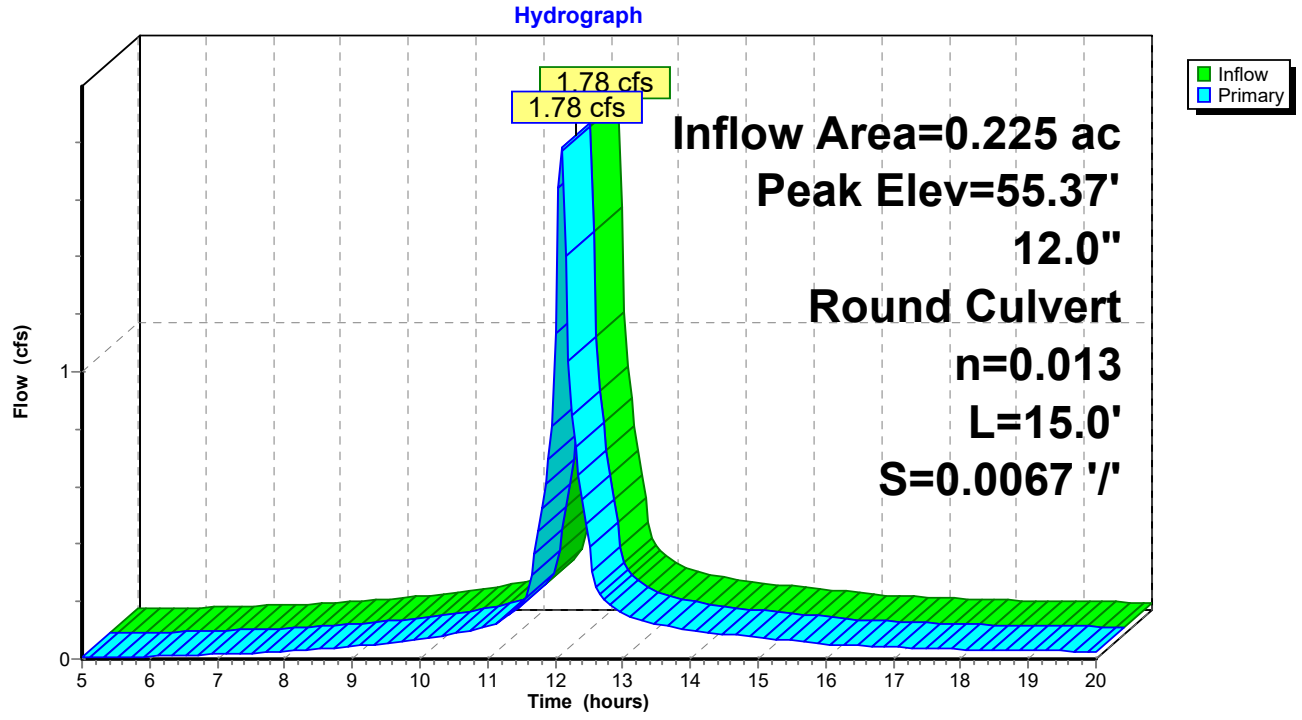
Inflow Area = 0.225 ac, 79.18% Impervious, Inflow Depth > 6.85" for 100-Year event
Inflow = 1.78 cfs @ 12.09 hrs, Volume= 0.128 af
Outflow = 1.78 cfs @ 12.09 hrs, Volume= 0.128 af, Atten= 0%, Lag= 0.0 min
Primary = 1.78 cfs @ 12.09 hrs, Volume= 0.128 af
Routed to Pond 127P : DMH 26

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.37' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.45'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.45' / 54.35' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.73 cfs @ 12.09 hrs HW=55.36' (Free Discharge)
1=Culvert (Barrel Controls 1.73 cfs @ 3.04 fps)

Pond 126P: CB 37



Stage-Area-Storage for Pond 126P: CB 37

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.45	**0.000**	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000		
54.94	0.000		
54.95	0.000		
54.96	0.000		
54.97	0.000		

Summary for Pond 127P: DMH 26

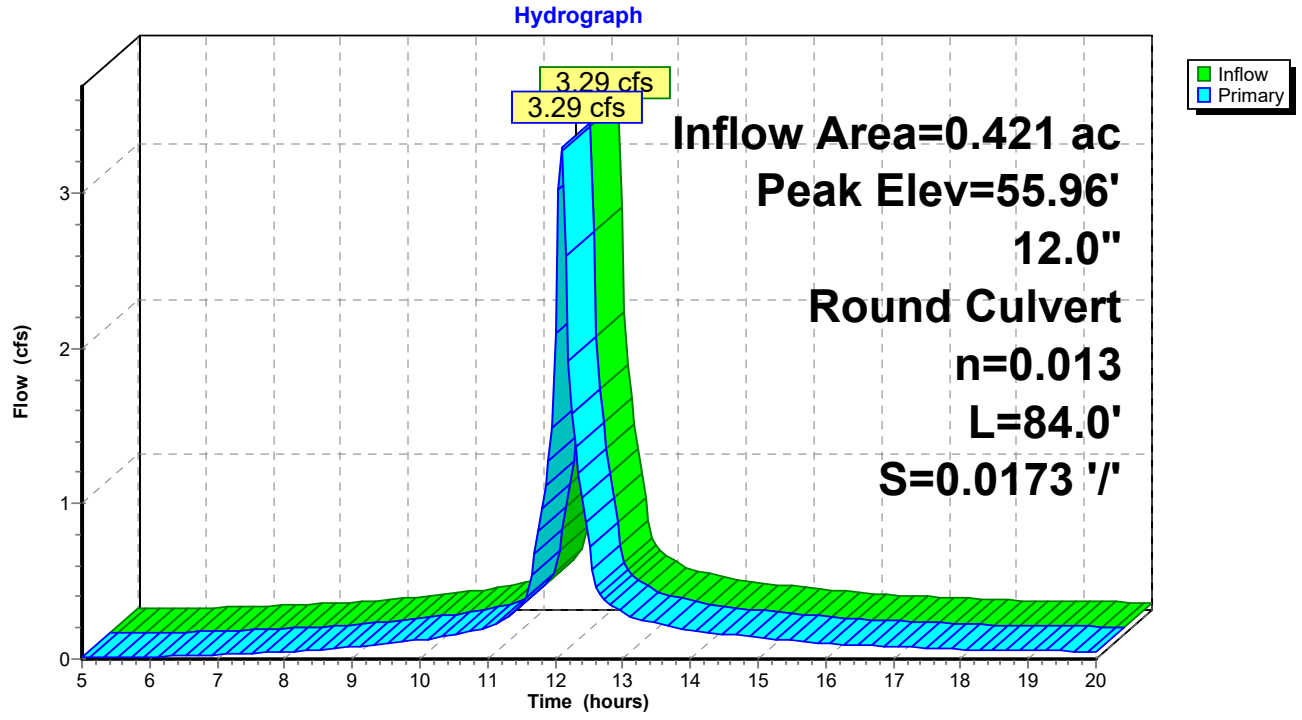
Inflow Area = 0.421 ac, 78.05% Impervious, Inflow Depth > 6.74" for 100-Year event
Inflow = 3.29 cfs @ 12.09 hrs, Volume= 0.236 af
Outflow = 3.29 cfs @ 12.09 hrs, Volume= 0.236 af, Atten= 0%, Lag= 0.0 min
Primary = 3.29 cfs @ 12.09 hrs, Volume= 0.236 af
Routed to Pond 205P : DMH 27

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.96' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.25'	**12.0" Round Culvert** L= 84.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.25' / 52.80' S= 0.0173 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.21 cfs @ 12.09 hrs HW=55.91' (Free Discharge)
1=Culvert (Inlet Controls 3.21 cfs @ 4.09 fps)

Pond 127P: DMH 26



Stage-Area-Storage for Pond 127P: DMH 26

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.25	**0.000**	55.31	0.000
54.27	0.000	55.33	0.000
54.29	0.000	55.35	0.000
54.31	0.000	55.37	0.000
54.33	0.000	55.39	0.000
54.35	0.000	55.41	0.000
54.37	0.000	55.43	0.000
54.39	0.000	55.45	0.000
54.41	0.000	55.47	0.000
54.43	0.000	55.49	0.000
54.45	0.000	55.51	0.000
54.47	0.000	55.53	0.000
54.49	0.000	55.55	0.000
54.51	0.000	55.57	0.000
54.53	0.000	55.59	0.000
54.55	0.000	55.61	0.000
54.57	0.000	55.63	0.000
54.59	0.000	55.65	0.000
54.61	0.000	55.67	0.000
54.63	0.000	55.69	0.000
54.65	0.000	55.71	0.000
54.67	0.000	55.73	0.000
54.69	0.000	55.75	0.000
54.71	0.000	55.77	0.000
54.73	0.000	55.79	0.000
54.75	0.000	55.81	0.000
54.77	0.000	55.83	0.000
54.79	0.000	55.85	0.000
54.81	0.000	55.87	0.000
54.83	0.000	55.89	0.000
54.85	0.000	55.91	0.000
54.87	0.000	55.93	0.000
54.89	0.000	55.95	0.000
54.91	0.000		
54.93	0.000		
54.95	0.000		
54.97	0.000		
54.99	0.000		
55.01	0.000		
55.03	0.000		
55.05	0.000		
55.07	0.000		
55.09	0.000		
55.11	0.000		
55.13	0.000		
55.15	0.000		
55.17	0.000		
55.19	0.000		
55.21	0.000		
55.23	0.000		
55.25	0.000		
55.27	0.000		
55.29	0.000		

Summary for Pond 128P: CB 30

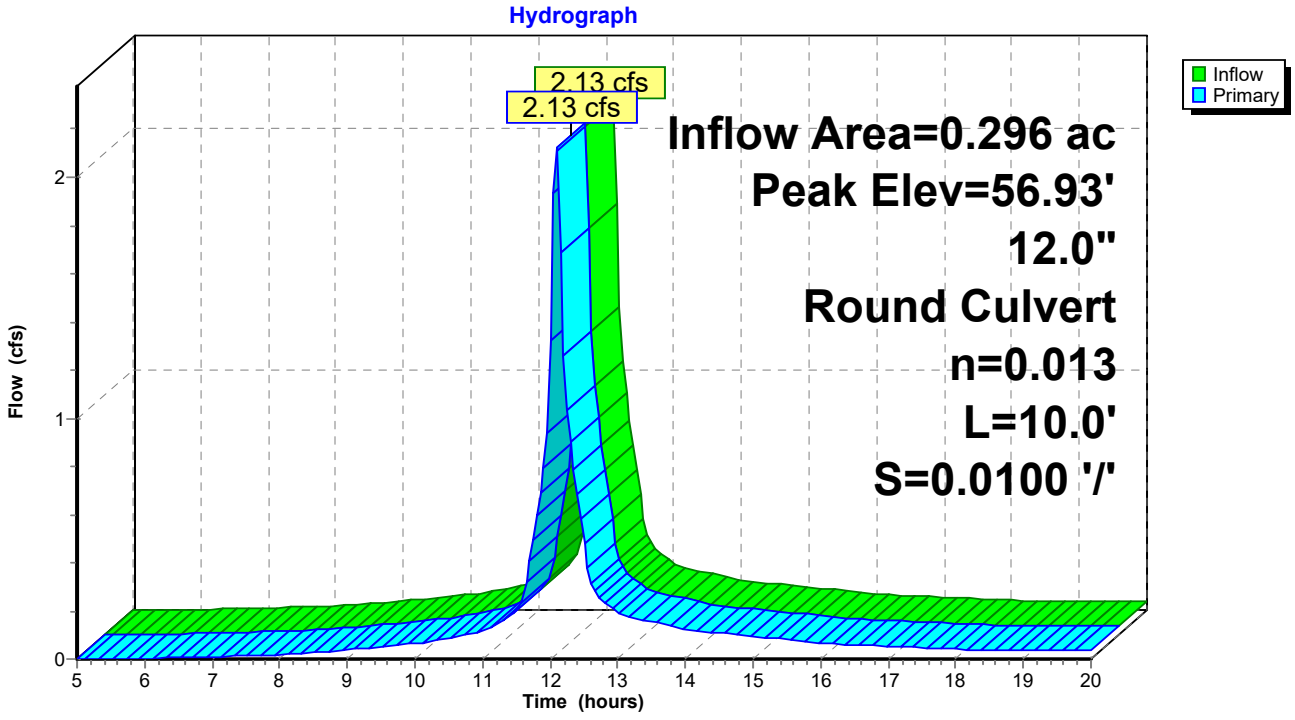
Inflow Area = 0.296 ac, 67.55% Impervious, Inflow Depth > 6.02" for 100-Year event
Inflow = 2.13 cfs @ 12.09 hrs, Volume= 0.148 af
Outflow = 2.13 cfs @ 12.09 hrs, Volume= 0.148 af, Atten= 0%, Lag= 0.0 min
Primary = 2.13 cfs @ 12.09 hrs, Volume= 0.148 af
Routed to Pond 141P : DMH 23

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.93' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.90'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.90' / 55.80' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.08 cfs @ 12.09 hrs HW=56.91' (Free Discharge)
1=Culvert (Barrel Controls 2.08 cfs @ 3.25 fps)

Pond 128P: CB 30



Stage-Area-Storage for Pond 128P: CB 30

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.90	**0.000**	56.43	0.000
55.91	0.000	56.44	0.000
55.92	0.000	56.45	0.000
55.93	0.000	56.46	0.000
55.94	0.000	56.47	0.000
55.95	0.000	56.48	0.000
55.96	0.000	56.49	0.000
55.97	0.000	56.50	0.000
55.98	0.000	56.51	0.000
55.99	0.000	56.52	0.000
56.00	0.000	56.53	0.000
56.01	0.000	56.54	0.000
56.02	0.000	56.55	0.000
56.03	0.000	56.56	0.000
56.04	0.000	56.57	0.000
56.05	0.000	56.58	0.000
56.06	0.000	56.59	0.000
56.07	0.000	56.60	0.000
56.08	0.000	56.61	0.000
56.09	0.000	56.62	0.000
56.10	0.000	56.63	0.000
56.11	0.000	56.64	0.000
56.12	0.000	56.65	0.000
56.13	0.000	56.66	0.000
56.14	0.000	56.67	0.000
56.15	0.000	56.68	0.000
56.16	0.000	56.69	0.000
56.17	0.000	56.70	0.000
56.18	0.000	56.71	0.000
56.19	0.000	56.72	0.000
56.20	0.000	56.73	0.000
56.21	0.000	56.74	0.000
56.22	0.000	56.75	0.000
56.23	0.000	56.76	0.000
56.24	0.000	56.77	0.000
56.25	0.000	56.78	0.000
56.26	0.000	56.79	0.000
56.27	0.000	56.80	0.000
56.28	0.000	56.81	0.000
56.29	0.000	56.82	0.000
56.30	0.000	56.83	0.000
56.31	0.000	56.84	0.000
56.32	0.000	56.85	0.000
56.33	0.000	56.86	0.000
56.34	0.000	56.87	0.000
56.35	0.000	56.88	0.000
56.36	0.000	56.89	0.000
56.37	0.000	56.90	0.000
56.38	0.000	56.91	0.000
56.39	0.000	56.92	0.000
56.40	0.000	56.93	0.000
56.41	0.000		
56.42	0.000		

Summary for Pond 129P: CB 34

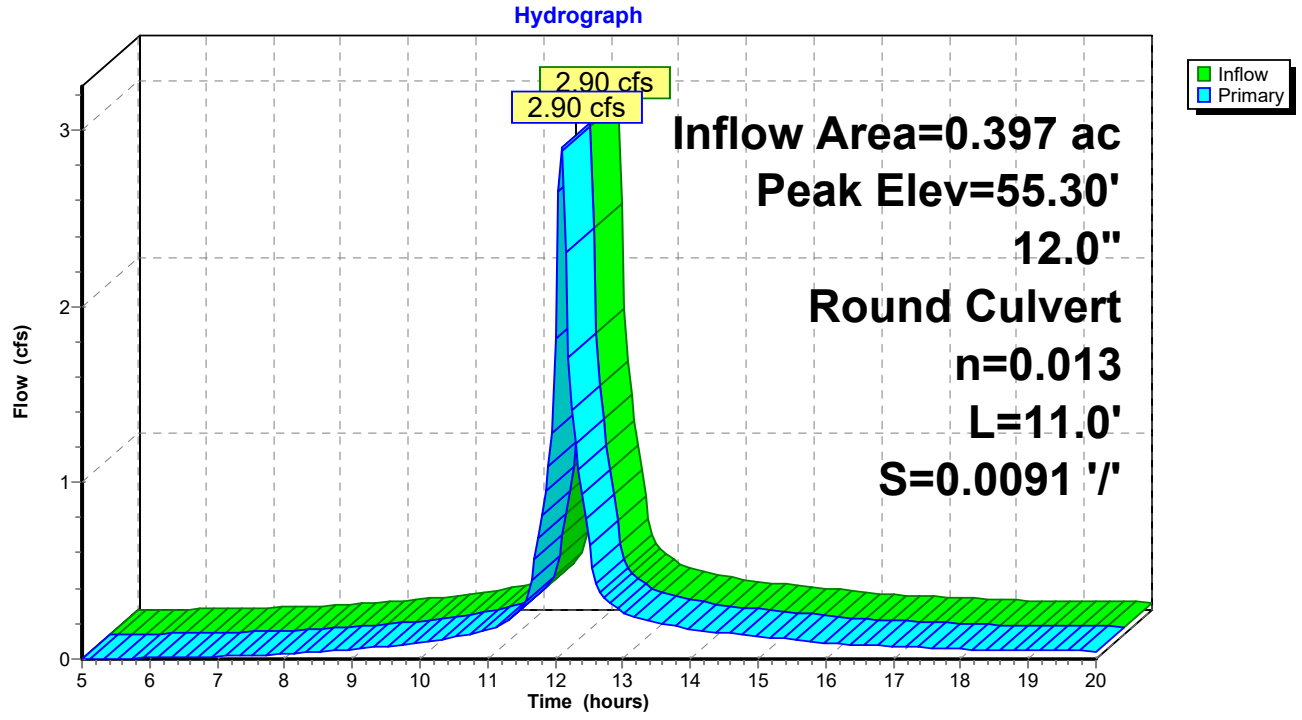
Inflow Area = 0.397 ac, 70.10% Impervious, Inflow Depth > 6.14" for 100-Year event
Inflow = 2.90 cfs @ 12.09 hrs, Volume= 0.203 af
Outflow = 2.90 cfs @ 12.09 hrs, Volume= 0.203 af, Atten= 0%, Lag= 0.0 min
Primary = 2.90 cfs @ 12.09 hrs, Volume= 0.203 af
Routed to Pond 134P : DMH 25

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.86'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.86' / 53.76' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.84 cfs @ 12.09 hrs HW=55.26' (Free Discharge)
1=Culvert (Inlet Controls 2.84 cfs @ 3.61 fps)

Pond 129P: CB 34



Stage-Area-Storage for Pond 129P: CB 34

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.86	**0.000**	54.39	0.000	54.92	0.000
53.87	0.000	54.40	0.000	54.93	0.000
53.88	0.000	54.41	0.000	54.94	0.000
53.89	0.000	54.42	0.000	54.95	0.000
53.90	0.000	54.43	0.000	54.96	0.000
53.91	0.000	54.44	0.000	54.97	0.000
53.92	0.000	54.45	0.000	54.98	0.000
53.93	0.000	54.46	0.000	54.99	0.000
53.94	0.000	54.47	0.000	55.00	0.000
53.95	0.000	54.48	0.000	55.01	0.000
53.96	0.000	54.49	0.000	55.02	0.000
53.97	0.000	54.50	0.000	55.03	0.000
53.98	0.000	54.51	0.000	55.04	0.000
53.99	0.000	54.52	0.000	55.05	0.000
54.00	0.000	54.53	0.000	55.06	0.000
54.01	0.000	54.54	0.000	55.07	0.000
54.02	0.000	54.55	0.000	55.08	0.000
54.03	0.000	54.56	0.000	55.09	0.000
54.04	0.000	54.57	0.000	55.10	0.000
54.05	0.000	54.58	0.000	55.11	0.000
54.06	0.000	54.59	0.000	55.12	0.000
54.07	0.000	54.60	0.000	55.13	0.000
54.08	0.000	54.61	0.000	55.14	0.000
54.09	0.000	54.62	0.000	55.15	0.000
54.10	0.000	54.63	0.000	55.16	0.000
54.11	0.000	54.64	0.000	55.17	0.000
54.12	0.000	54.65	0.000	55.18	0.000
54.13	0.000	54.66	0.000	55.19	0.000
54.14	0.000	54.67	0.000	55.20	0.000
54.15	0.000	54.68	0.000	55.21	0.000
54.16	0.000	54.69	0.000	55.22	0.000
54.17	0.000	54.70	0.000	55.23	0.000
54.18	0.000	54.71	0.000	55.24	0.000
54.19	0.000	54.72	0.000	55.25	0.000
54.20	0.000	54.73	0.000	55.26	0.000
54.21	0.000	54.74	0.000	55.27	0.000
54.22	0.000	54.75	0.000	55.28	0.000
54.23	0.000	54.76	0.000	55.29	0.000
54.24	0.000	54.77	0.000	55.30	0.000
54.25	0.000	54.78	0.000		
54.26	0.000	54.79	0.000		
54.27	0.000	54.80	0.000		
54.28	0.000	54.81	0.000		
54.29	0.000	54.82	0.000		
54.30	0.000	54.83	0.000		
54.31	0.000	54.84	0.000		
54.32	0.000	54.85	0.000		
54.33	0.000	54.86	0.000		
54.34	0.000	54.87	0.000		
54.35	0.000	54.88	0.000		
54.36	0.000	54.89	0.000		
54.37	0.000	54.90	0.000		
54.38	0.000	54.91	0.000		

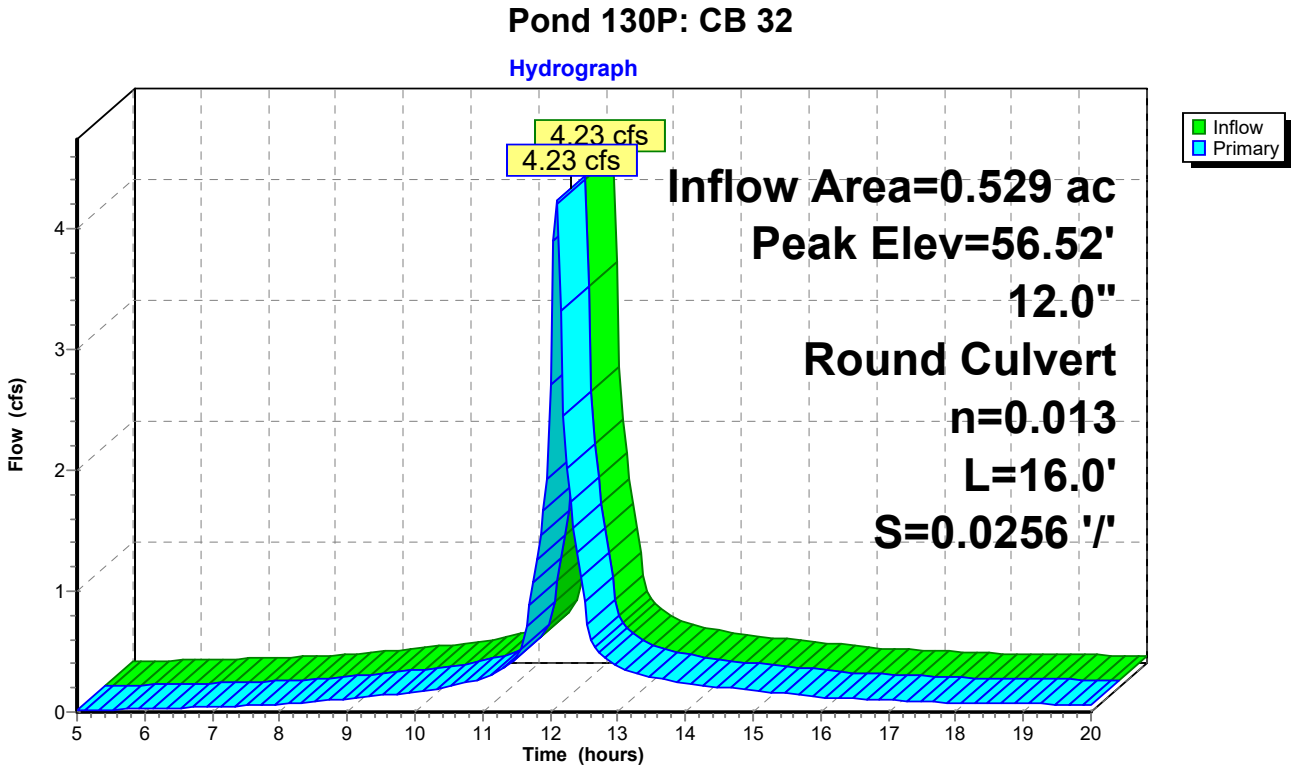
Summary for Pond 130P: CB 32

Inflow Area = 0.529 ac, 81.18% Impervious, Inflow Depth > 6.96" for 100-Year event
Inflow = 4.23 cfs @ 12.09 hrs, Volume= 0.307 af
Outflow = 4.23 cfs @ 12.09 hrs, Volume= 0.307 af, Atten= 0%, Lag= 0.0 min
Primary = 4.23 cfs @ 12.09 hrs, Volume= 0.307 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.52' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.02'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.02' / 53.61' S= 0.0256 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.12 cfs @ 12.09 hrs HW=56.43' (Free Discharge)
1=Culvert (Inlet Controls 4.12 cfs @ 5.25 fps)



Stage-Area-Storage for Pond 130P: CB 32

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.02	**0.000**	55.08	0.000	56.14	0.000
54.04	0.000	55.10	0.000	56.16	0.000
54.06	0.000	55.12	0.000	56.18	0.000
54.08	0.000	55.14	0.000	56.20	0.000
54.10	0.000	55.16	0.000	56.22	0.000
54.12	0.000	55.18	0.000	56.24	0.000
54.14	0.000	55.20	0.000	56.26	0.000
54.16	0.000	55.22	0.000	56.28	0.000
54.18	0.000	55.24	0.000	56.30	0.000
54.20	0.000	55.26	0.000	56.32	0.000
54.22	0.000	55.28	0.000	56.34	0.000
54.24	0.000	55.30	0.000	56.36	0.000
54.26	0.000	55.32	0.000	56.38	0.000
54.28	0.000	55.34	0.000	56.40	0.000
54.30	0.000	55.36	0.000	56.42	0.000
54.32	0.000	55.38	0.000	56.44	0.000
54.34	0.000	55.40	0.000	56.46	0.000
54.36	0.000	55.42	0.000	56.48	0.000
54.38	0.000	55.44	0.000	56.50	0.000
54.40	0.000	55.46	0.000		
54.42	0.000	55.48	0.000		
54.44	0.000	55.50	0.000		
54.46	0.000	55.52	0.000		
54.48	0.000	55.54	0.000		
54.50	0.000	55.56	0.000		
54.52	0.000	55.58	0.000		
54.54	0.000	55.60	0.000		
54.56	0.000	55.62	0.000		
54.58	0.000	55.64	0.000		
54.60	0.000	55.66	0.000		
54.62	0.000	55.68	0.000		
54.64	0.000	55.70	0.000		
54.66	0.000	55.72	0.000		
54.68	0.000	55.74	0.000		
54.70	0.000	55.76	0.000		
54.72	0.000	55.78	0.000		
54.74	0.000	55.80	0.000		
54.76	0.000	55.82	0.000		
54.78	0.000	55.84	0.000		
54.80	0.000	55.86	0.000		
54.82	0.000	55.88	0.000		
54.84	0.000	55.90	0.000		
54.86	0.000	55.92	0.000		
54.88	0.000	55.94	0.000		
54.90	0.000	55.96	0.000		
54.92	0.000	55.98	0.000		
54.94	0.000	56.00	0.000		
54.96	0.000	56.02	0.000		
54.98	0.000	56.04	0.000		
55.00	0.000	56.06	0.000		
55.02	0.000	56.08	0.000		
55.04	0.000	56.10	0.000		
55.06	0.000	56.12	0.000		

Summary for Pond 131P: CB 35

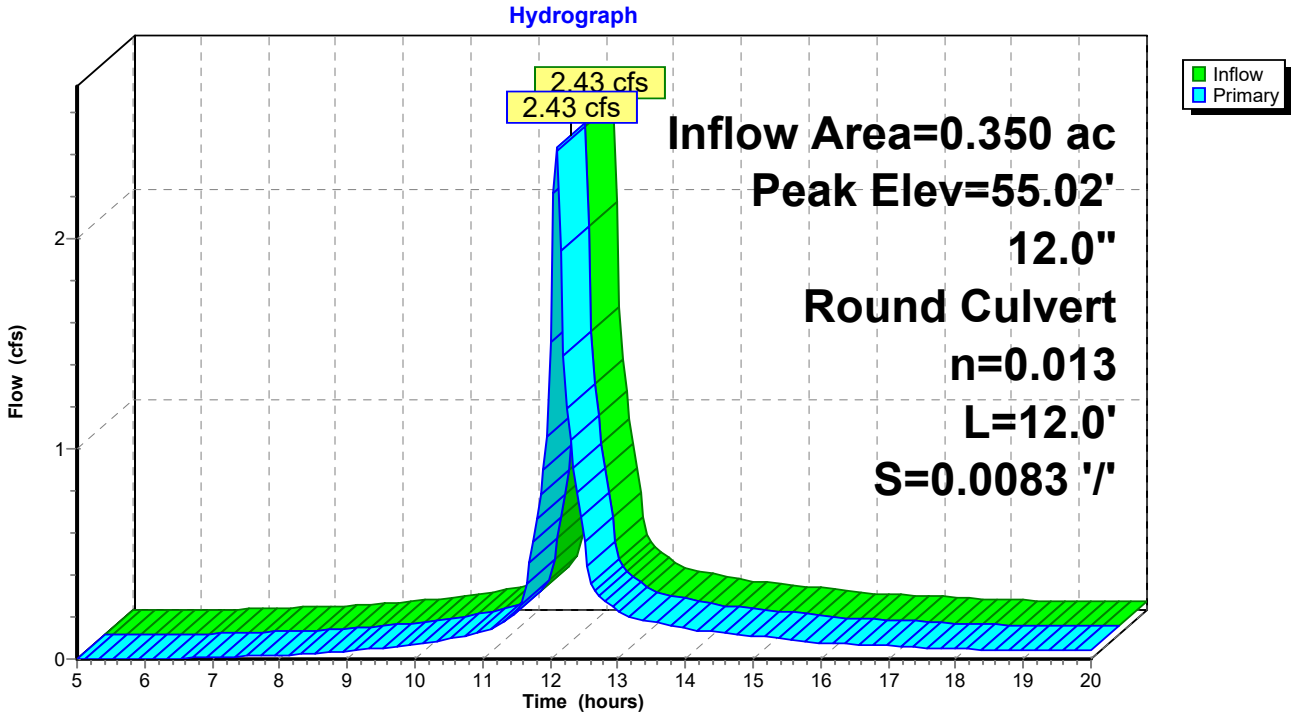
Inflow Area = 0.350 ac, 63.87% Impervious, Inflow Depth > 5.78" for 100-Year event
Inflow = 2.43 cfs @ 12.09 hrs, Volume= 0.168 af
Outflow = 2.43 cfs @ 12.09 hrs, Volume= 0.168 af, Atten= 0%, Lag= 0.0 min
Primary = 2.43 cfs @ 12.09 hrs, Volume= 0.168 af
Routed to Pond 134P : DMH 25

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.02' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.86'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.86' / 53.76' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.39 cfs @ 12.09 hrs HW=55.00' (Free Discharge)
1=Culvert (Inlet Controls 2.39 cfs @ 3.04 fps)

Pond 131P: CB 35



Stage-Area-Storage for Pond 131P: CB 35

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.86	**0.000**	54.39	0.000	54.92	0.000
53.87	0.000	54.40	0.000	54.93	0.000
53.88	0.000	54.41	0.000	54.94	0.000
53.89	0.000	54.42	0.000	54.95	0.000
53.90	0.000	54.43	0.000	54.96	0.000
53.91	0.000	54.44	0.000	54.97	0.000
53.92	0.000	54.45	0.000	54.98	0.000
53.93	0.000	54.46	0.000	54.99	0.000
53.94	0.000	54.47	0.000	55.00	0.000
53.95	0.000	54.48	0.000	55.01	0.000
53.96	0.000	54.49	0.000	55.02	0.000
53.97	0.000	54.50	0.000		
53.98	0.000	54.51	0.000		
53.99	0.000	54.52	0.000		
54.00	0.000	54.53	0.000		
54.01	0.000	54.54	0.000		
54.02	0.000	54.55	0.000		
54.03	0.000	54.56	0.000		
54.04	0.000	54.57	0.000		
54.05	0.000	54.58	0.000		
54.06	0.000	54.59	0.000		
54.07	0.000	54.60	0.000		
54.08	0.000	54.61	0.000		
54.09	0.000	54.62	0.000		
54.10	0.000	54.63	0.000		
54.11	0.000	54.64	0.000		
54.12	0.000	54.65	0.000		
54.13	0.000	54.66	0.000		
54.14	0.000	54.67	0.000		
54.15	0.000	54.68	0.000		
54.16	0.000	54.69	0.000		
54.17	0.000	54.70	0.000		
54.18	0.000	54.71	0.000		
54.19	0.000	54.72	0.000		
54.20	0.000	54.73	0.000		
54.21	0.000	54.74	0.000		
54.22	0.000	54.75	0.000		
54.23	0.000	54.76	0.000		
54.24	0.000	54.77	0.000		
54.25	0.000	54.78	0.000		
54.26	0.000	54.79	0.000		
54.27	0.000	54.80	0.000		
54.28	0.000	54.81	0.000		
54.29	0.000	54.82	0.000		
54.30	0.000	54.83	0.000		
54.31	0.000	54.84	0.000		
54.32	0.000	54.85	0.000		
54.33	0.000	54.86	0.000		
54.34	0.000	54.87	0.000		
54.35	0.000	54.88	0.000		
54.36	0.000	54.89	0.000		
54.37	0.000	54.90	0.000		
54.38	0.000	54.91	0.000		

Summary for Pond 132P: CB 33

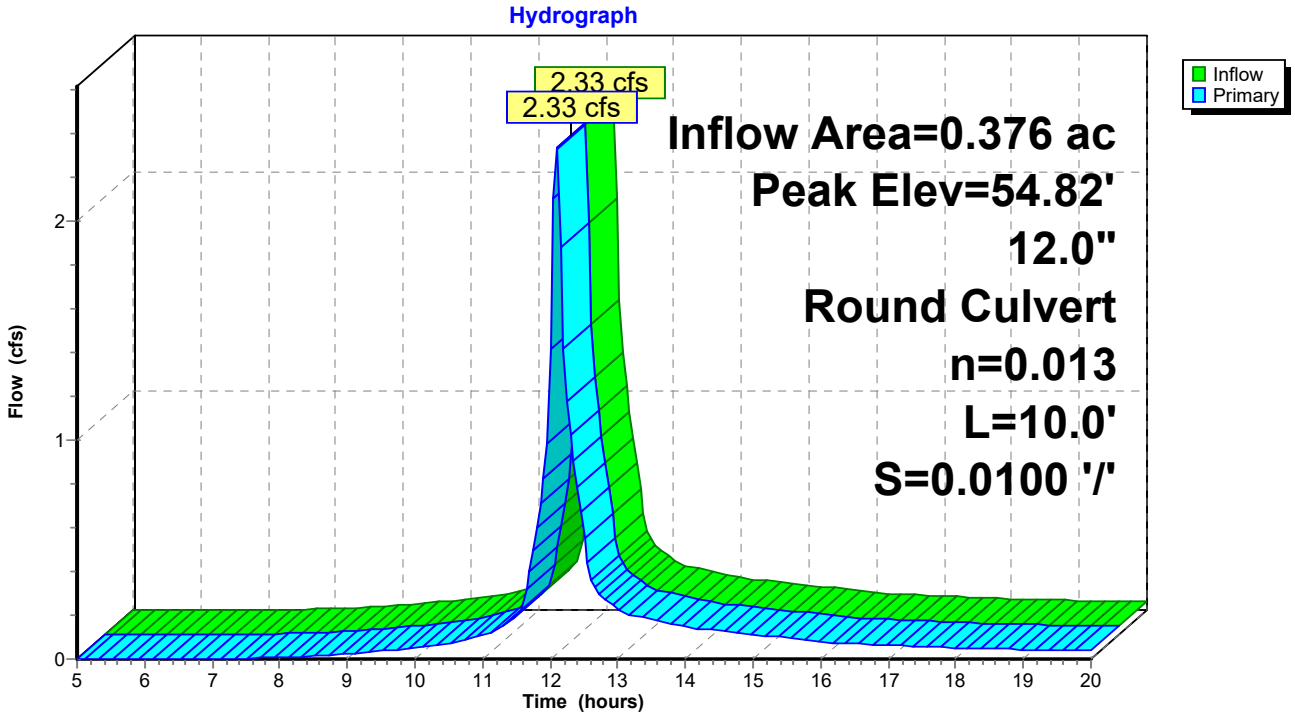
Inflow Area = 0.376 ac, 53.54% Impervious, Inflow Depth > 5.06" for 100-Year event
Inflow = 2.33 cfs @ 12.09 hrs, Volume= 0.159 af
Outflow = 2.33 cfs @ 12.09 hrs, Volume= 0.159 af, Atten= 0%, Lag= 0.0 min
Primary = 2.33 cfs @ 12.09 hrs, Volume= 0.159 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.82' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.71'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.71' / 53.61' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.29 cfs @ 12.09 hrs HW=54.80' (Free Discharge)
1=Culvert (Inlet Controls 2.29 cfs @ 2.92 fps)

Pond 132P: CB 33



Stage-Area-Storage for Pond 132P: CB 33

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.71	**0.000**	54.24	0.000	54.77	0.000
53.72	0.000	54.25	0.000	54.78	0.000
53.73	0.000	54.26	0.000	54.79	0.000
53.74	0.000	54.27	0.000	54.80	0.000
53.75	0.000	54.28	0.000	54.81	0.000
53.76	0.000	54.29	0.000	54.82	0.000
53.77	0.000	54.30	0.000		
53.78	0.000	54.31	0.000		
53.79	0.000	54.32	0.000		
53.80	0.000	54.33	0.000		
53.81	0.000	54.34	0.000		
53.82	0.000	54.35	0.000		
53.83	0.000	54.36	0.000		
53.84	0.000	54.37	0.000		
53.85	0.000	54.38	0.000		
53.86	0.000	54.39	0.000		
53.87	0.000	54.40	0.000		
53.88	0.000	54.41	0.000		
53.89	0.000	54.42	0.000		
53.90	0.000	54.43	0.000		
53.91	0.000	54.44	0.000		
53.92	0.000	54.45	0.000		
53.93	0.000	54.46	0.000		
53.94	0.000	54.47	0.000		
53.95	0.000	54.48	0.000		
53.96	0.000	54.49	0.000		
53.97	0.000	54.50	0.000		
53.98	0.000	54.51	0.000		
53.99	0.000	54.52	0.000		
54.00	0.000	54.53	0.000		
54.01	0.000	54.54	0.000		
54.02	0.000	54.55	0.000		
54.03	0.000	54.56	0.000		
54.04	0.000	54.57	0.000		
54.05	0.000	54.58	0.000		
54.06	0.000	54.59	0.000		
54.07	0.000	54.60	0.000		
54.08	0.000	54.61	0.000		
54.09	0.000	54.62	0.000		
54.10	0.000	54.63	0.000		
54.11	0.000	54.64	0.000		
54.12	0.000	54.65	0.000		
54.13	0.000	54.66	0.000		
54.14	0.000	54.67	0.000		
54.15	0.000	54.68	0.000		
54.16	0.000	54.69	0.000		
54.17	0.000	54.70	0.000		
54.18	0.000	54.71	0.000		
54.19	0.000	54.72	0.000		
54.20	0.000	54.73	0.000		
54.21	0.000	54.74	0.000		
54.22	0.000	54.75	0.000		
54.23	0.000	54.76	0.000		

Summary for Pond 133P: DMH 24

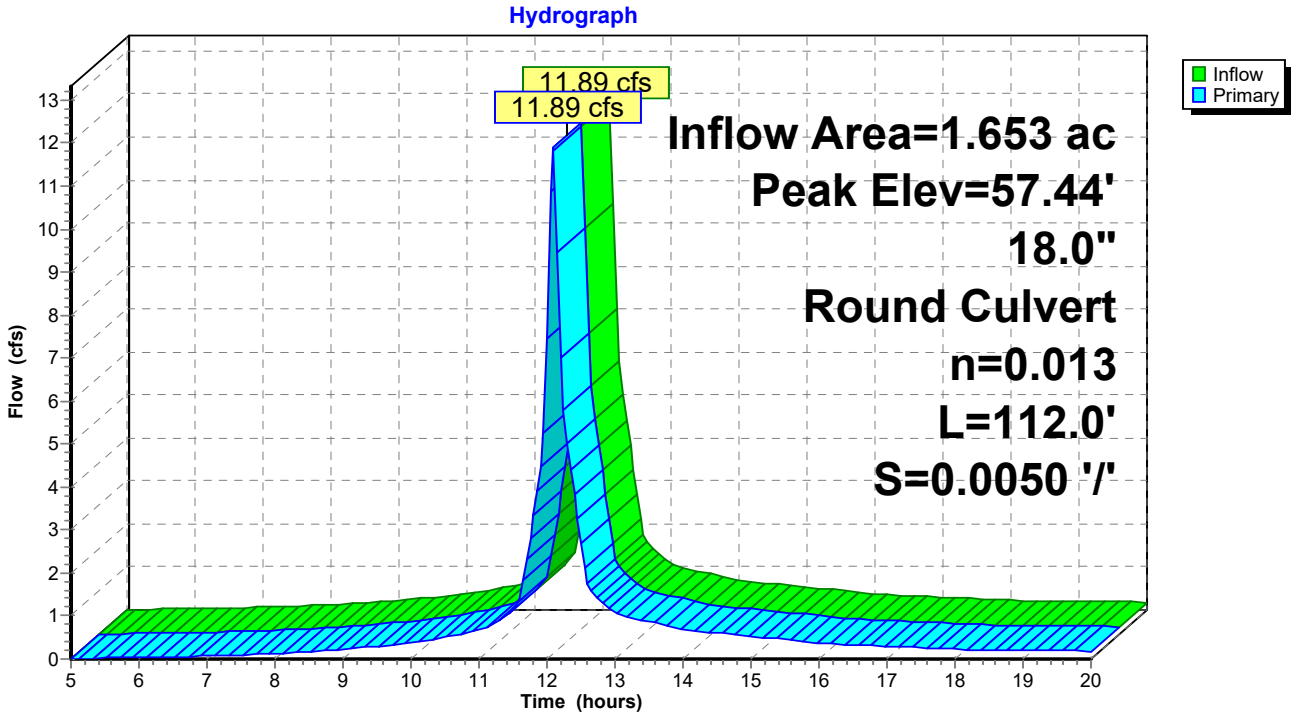
Inflow Area = 1.653 ac, 68.56% Impervious, Inflow Depth > 6.08" for 100-Year event
Inflow = 11.89 cfs @ 12.09 hrs, Volume= 0.837 af
Outflow = 11.89 cfs @ 12.09 hrs, Volume= 0.837 af, Atten= 0%, Lag= 0.0 min
Primary = 11.89 cfs @ 12.09 hrs, Volume= 0.837 af
Routed to Pond 135P : Inf. Basin 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.44' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.56'	**18.0" Round Culvert** L= 112.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.56' / 53.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=11.62 cfs @ 12.09 hrs HW=57.30' (Free Discharge)
1=Culvert (Inlet Controls 11.62 cfs @ 6.58 fps)

Pond 133P: DMH 24



Stage-Area-Storage for Pond 133P: DMH 24

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.56	**0.000**	56.21	0.000
53.61	0.000	56.26	0.000
53.66	0.000	56.31	0.000
53.71	0.000	56.36	0.000
53.76	0.000	56.41	0.000
53.81	0.000	56.46	0.000
53.86	0.000	56.51	0.000
53.91	0.000	56.56	0.000
53.96	0.000	56.61	0.000
54.01	0.000	56.66	0.000
54.06	0.000	56.71	0.000
54.11	0.000	56.76	0.000
54.16	0.000	56.81	0.000
54.21	0.000	56.86	0.000
54.26	0.000	56.91	0.000
54.31	0.000	56.96	0.000
54.36	0.000	57.01	0.000
54.41	0.000	57.06	0.000
54.46	0.000	57.11	0.000
54.51	0.000	57.16	0.000
54.56	0.000	57.21	0.000
54.61	0.000	57.26	0.000
54.66	0.000	57.31	0.000
54.71	0.000	57.36	0.000
54.76	0.000	57.41	0.000
54.81	0.000		
54.86	0.000		
54.91	0.000		
54.96	0.000		
55.01	0.000		
55.06	0.000		
55.11	0.000		
55.16	0.000		
55.21	0.000		
55.26	0.000		
55.31	0.000		
55.36	0.000		
55.41	0.000		
55.46	0.000		
55.51	0.000		
55.56	0.000		
55.61	0.000		
55.66	0.000		
55.71	0.000		
55.76	0.000		
55.81	0.000		
55.86	0.000		
55.91	0.000		
55.96	0.000		
56.01	0.000		
56.06	0.000		
56.11	0.000		
56.16	0.000		

Summary for Pond 134P: DMH 25

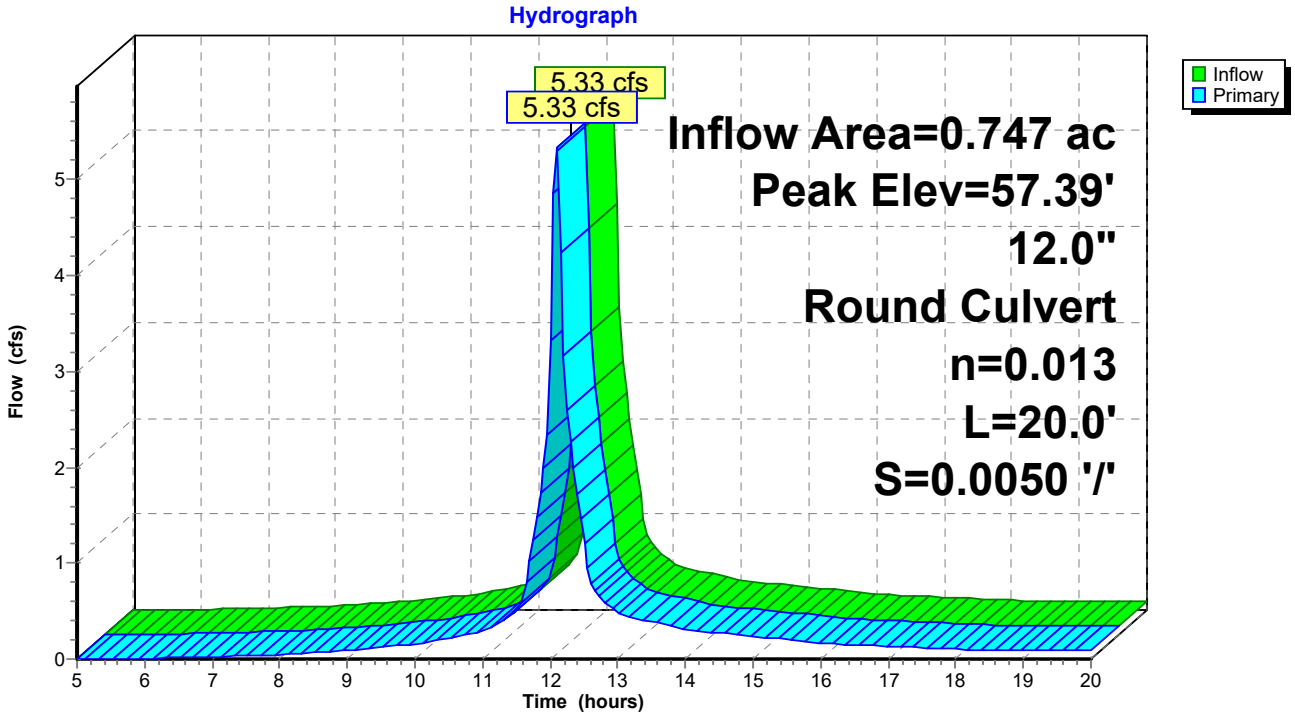
Inflow Area = 0.747 ac, 67.18% Impervious, Inflow Depth > 5.97" for 100-Year event
Inflow = 5.33 cfs @ 12.09 hrs, Volume= 0.372 af
Outflow = 5.33 cfs @ 12.09 hrs, Volume= 0.372 af, Atten= 0%, Lag= 0.0 min
Primary = 5.33 cfs @ 12.09 hrs, Volume= 0.372 af
Routed to Pond 133P : DMH 24

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.39' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.71'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.71' / 53.61' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.21 cfs @ 12.09 hrs HW=57.26' (Free Discharge)
1=Culvert (Inlet Controls 5.21 cfs @ 6.64 fps)

Pond 134P: DMH 25



Stage-Area-Storage for Pond 134P: DMH 25

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.71	**0.000**	56.36	0.000
53.76	0.000	56.41	0.000
53.81	0.000	56.46	0.000
53.86	0.000	56.51	0.000
53.91	0.000	56.56	0.000
53.96	0.000	56.61	0.000
54.01	0.000	56.66	0.000
54.06	0.000	56.71	0.000
54.11	0.000	56.76	0.000
54.16	0.000	56.81	0.000
54.21	0.000	56.86	0.000
54.26	0.000	56.91	0.000
54.31	0.000	56.96	0.000
54.36	0.000	57.01	0.000
54.41	0.000	57.06	0.000
54.46	0.000	57.11	0.000
54.51	0.000	57.16	0.000
54.56	0.000	57.21	0.000
54.61	0.000	57.26	0.000
54.66	0.000	57.31	0.000
54.71	0.000	57.36	0.000
54.76	0.000		
54.81	0.000		
54.86	0.000		
54.91	0.000		
54.96	0.000		
55.01	0.000		
55.06	0.000		
55.11	0.000		
55.16	0.000		
55.21	0.000		
55.26	0.000		
55.31	0.000		
55.36	0.000		
55.41	0.000		
55.46	0.000		
55.51	0.000		
55.56	0.000		
55.61	0.000		
55.66	0.000		
55.71	0.000		
55.76	0.000		
55.81	0.000		
55.86	0.000		
55.91	0.000		
55.96	0.000		
56.01	0.000		
56.06	0.000		
56.11	0.000		
56.16	0.000		
56.21	0.000		
56.26	0.000		
56.31	0.000		

Summary for Pond 135P: Inf. Basin 3

Inflow Area = 2.229 ac, 60.86% Impervious, Inflow Depth > 5.51" for 100-Year event
Inflow = 14.34 cfs @ 12.09 hrs, Volume= 1.024 af
Outflow = 4.14 cfs @ 12.44 hrs, Volume= 1.023 af, Atten= 71%, Lag= 21.1 min
Discarded = 4.14 cfs @ 12.44 hrs, Volume= 1.023 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.82' @ 12.44 hrs Surf.Area= 6,675 sf Storage= 12,609 cf

Plug-Flow detention time= 27.2 min calculated for 1.023 af (100% of inflow)
Center-of-Mass det. time= 26.9 min (795.3 - 768.3)

Volume	Invert	Avail.Storage	Storage Description
#1	53.00'	21,308 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

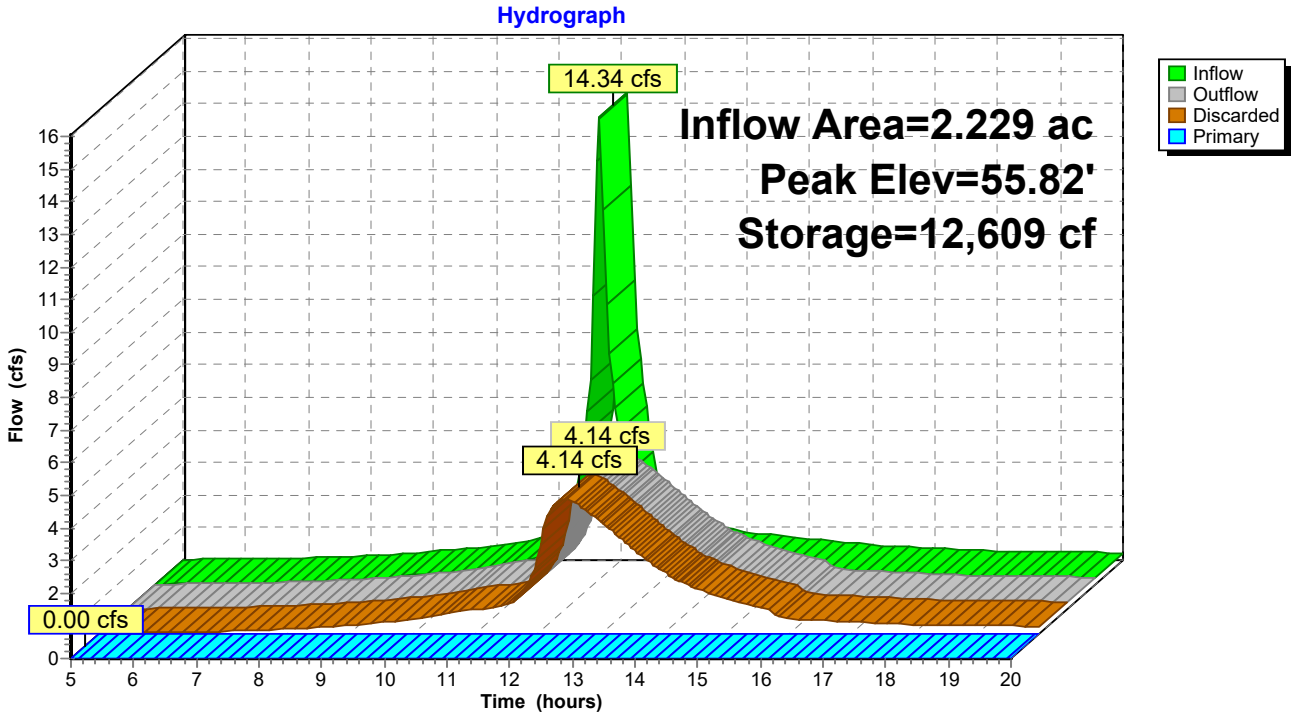
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
53.00	2,016	0	0
54.00	3,650	2,833	2,833
55.00	5,702	4,676	7,509
56.00	6,883	6,293	13,802
57.00	8,130	7,507	21,308

Device	Routing	Invert	Outlet Devices
#1	Discarded	53.00'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 51.00'
#2	Primary	53.00'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.00' / 52.00' S= 0.0400 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.40'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=4.14 cfs @ 12.44 hrs HW=55.82' (Free Discharge)
└**1=Exfiltration** (Controls 4.14 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=53.00' (Free Discharge)
└**2=Culvert** (Passes 0.00 cfs of 0.00 cfs potential flow)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Pond 135P: Inf. Basin 3



Stage-Area-Storage for Pond 135P: Inf. Basin 3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
53.00	2,016	0
53.05	2,098	103
53.10	2,179	210
53.15	2,261	321
53.20	2,343	436
53.25	2,425	555
53.30	2,506	678
53.35	2,588	806
53.40	2,670	937
53.45	2,751	1,073
53.50	2,833	1,212
53.55	2,915	1,356
53.60	2,996	1,504
53.65	3,078	1,656
53.70	3,160	1,812
53.75	3,242	1,972
53.80	3,323	2,136
53.85	3,405	2,304
53.90	3,487	2,476
53.95	3,568	2,653
54.00	3,650	2,833
54.05	3,753	3,018
54.10	3,855	3,208
54.15	3,958	3,404
54.20	4,060	3,604
54.25	4,163	3,810
54.30	4,266	4,020
54.35	4,368	4,236
54.40	4,471	4,457
54.45	4,573	4,683
54.50	4,676	4,915
54.55	4,779	5,151
54.60	4,881	5,392
54.65	4,984	5,639
54.70	5,086	5,891
54.75	5,189	6,148
54.80	5,292	6,410
54.85	5,394	6,677
54.90	5,497	6,949
54.95	5,599	7,226
55.00	5,702	7,509
55.05	5,761	7,796
55.10	5,820	8,085
55.15	5,879	8,378
55.20	5,938	8,673
55.25	5,997	8,971
55.30	6,056	9,273
55.35	6,115	9,577
55.40	6,174	9,884
55.45	6,233	10,194
55.50	6,293	10,508
55.55	6,352	10,824
55.60	6,411	11,143
55.65	6,470	11,465
55.70	6,529	11,790
55.75	6,588	12,118
55.80	6,647	12,449
55.85	6,706	12,782
55.90	6,765	13,119
55.95	6,824	13,459
56.00	6,883	13,802
56.05	6,945	14,147
56.10	7,008	14,496
56.15	7,070	14,848
56.20	7,132	15,203
56.25	7,195	15,561
56.30	7,257	15,923
56.35	7,319	16,287
56.40	7,382	16,654
56.45	7,444	17,025
56.50	7,507	17,399
56.55	7,569	17,776
56.60	7,631	18,156
56.65	7,694	18,539
56.70	7,756	18,925
56.75	7,818	19,314
56.80	7,881	19,707
56.85	7,943	20,103
56.90	8,005	20,501
56.95	8,068	20,903
57.00	**8,130**	**21,308**

Summary for Pond 136P: CB 38

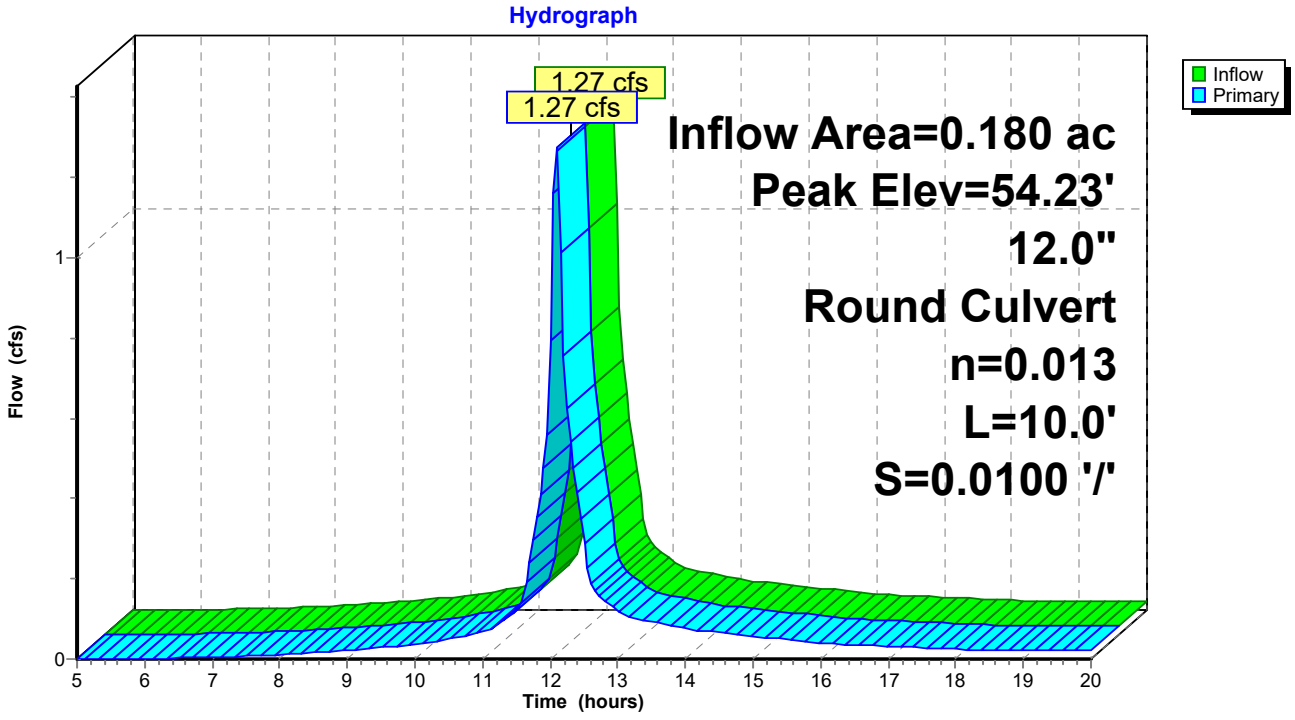
Inflow Area = 0.180 ac, 66.23% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 1.27 cfs @ 12.09 hrs, Volume= 0.088 af
Outflow = 1.27 cfs @ 12.09 hrs, Volume= 0.088 af, Atten= 0%, Lag= 0.0 min
Primary = 1.27 cfs @ 12.09 hrs, Volume= 0.088 af
Routed to Pond 139P : DMH 28

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.23' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.40' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.24 cfs @ 12.09 hrs HW=54.22' (Free Discharge)
1=Culvert (Barrel Controls 1.24 cfs @ 2.87 fps)

Pond 136P: CB 38



Stage-Area-Storage for Pond 136P: CB 38

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 137P: CB

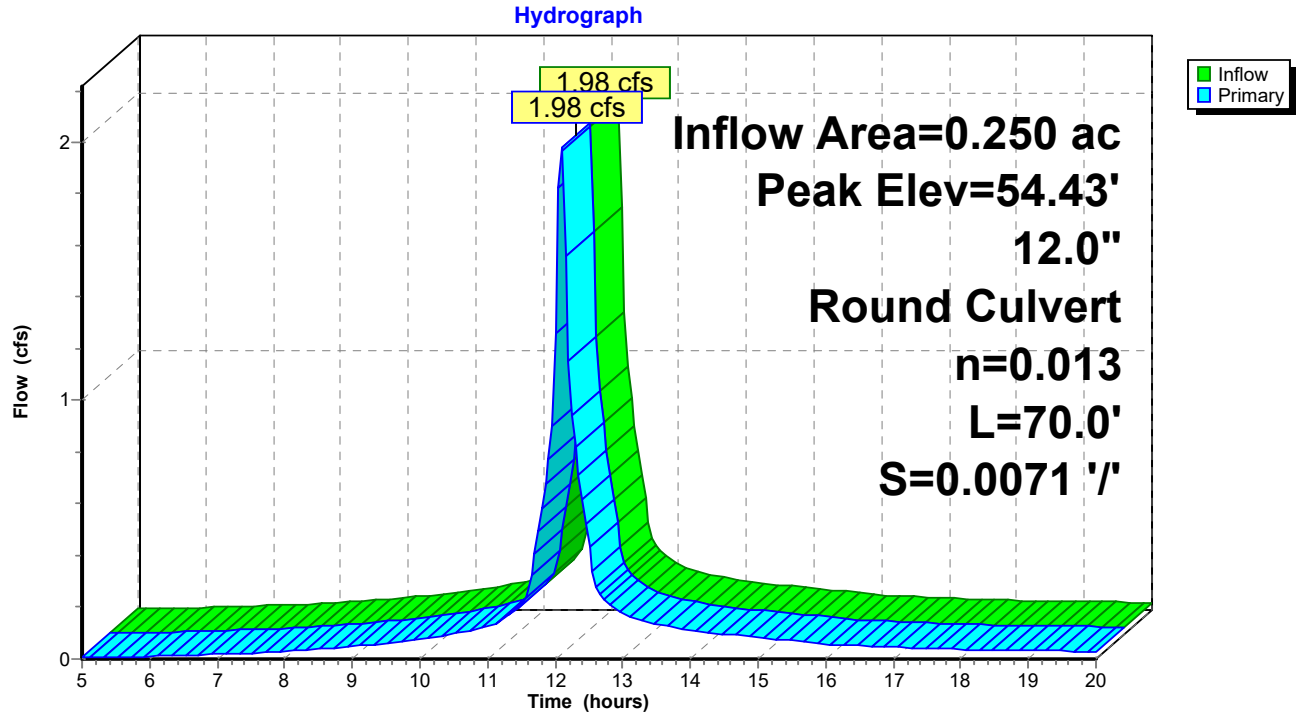
Inflow Area = 0.250 ac, 80.29% Impervious, Inflow Depth > 6.85" for 100-Year event
Inflow = 1.98 cfs @ 12.09 hrs, Volume= 0.143 af
Outflow = 1.98 cfs @ 12.09 hrs, Volume= 0.143 af, Atten= 0%, Lag= 0.0 min
Primary = 1.98 cfs @ 12.09 hrs, Volume= 0.143 af
Routed to Pond 135P : Inf. Basin 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.43' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 70.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.00' S= 0.0071 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.93 cfs @ 12.09 hrs HW=54.41' (Free Discharge)
1=Culvert (Inlet Controls 1.93 cfs @ 2.57 fps)

Pond 137P: CB



Stage-Area-Storage for Pond 137P: CB

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

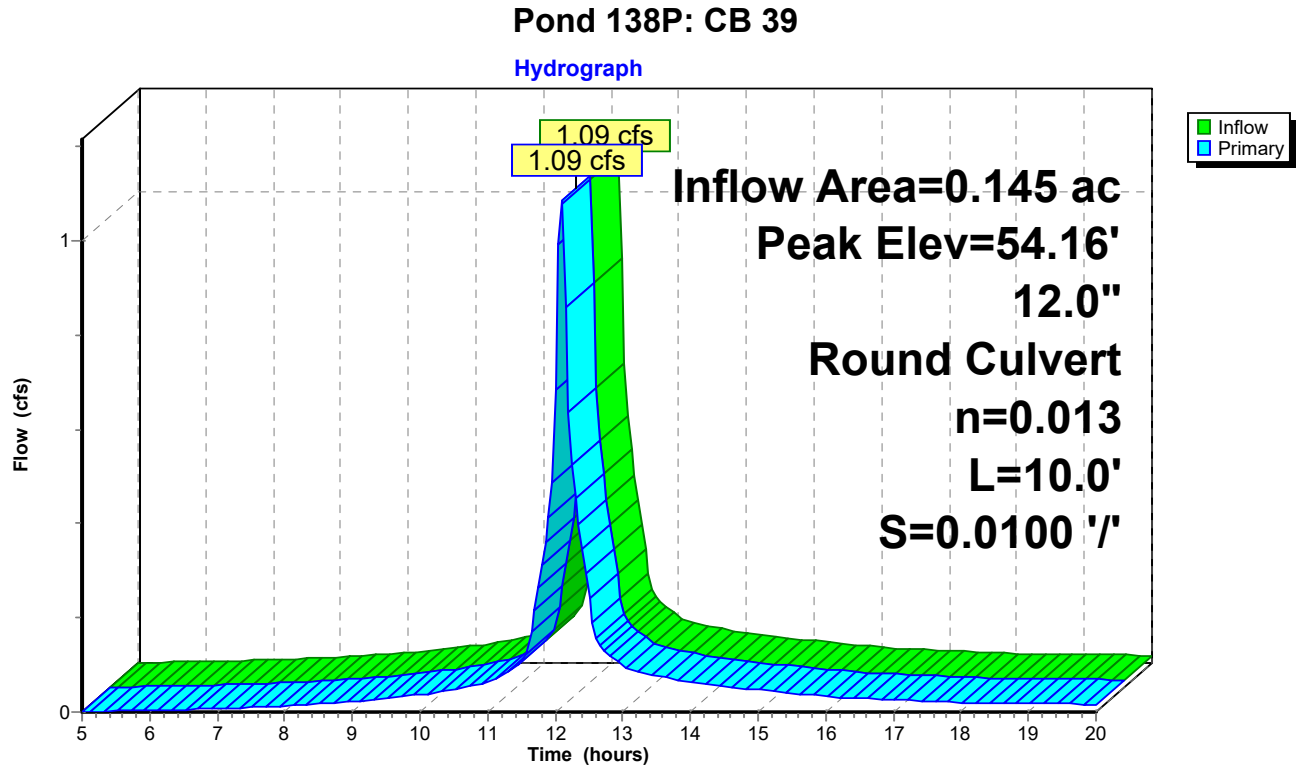
Summary for Pond 138P: CB 39

Inflow Area = 0.145 ac, 72.58% Impervious, Inflow Depth > 6.38" for 100-Year event
Inflow = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af
Outflow = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af, Atten= 0%, Lag= 0.0 min
Primary = 1.09 cfs @ 12.09 hrs, Volume= 0.077 af
Routed to Pond 139P : DMH 28

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.16' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.50'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.50' / 53.40' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.06 cfs @ 12.09 hrs HW=54.15' (Free Discharge)
1=Culvert (Barrel Controls 1.06 cfs @ 2.77 fps)



Stage-Area-Storage for Pond 138P: CB 39

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.50	**0.000**	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000		
53.99	0.000		
54.00	0.000		
54.01	0.000		
54.02	0.000		

Summary for Pond 139P: DMH 28

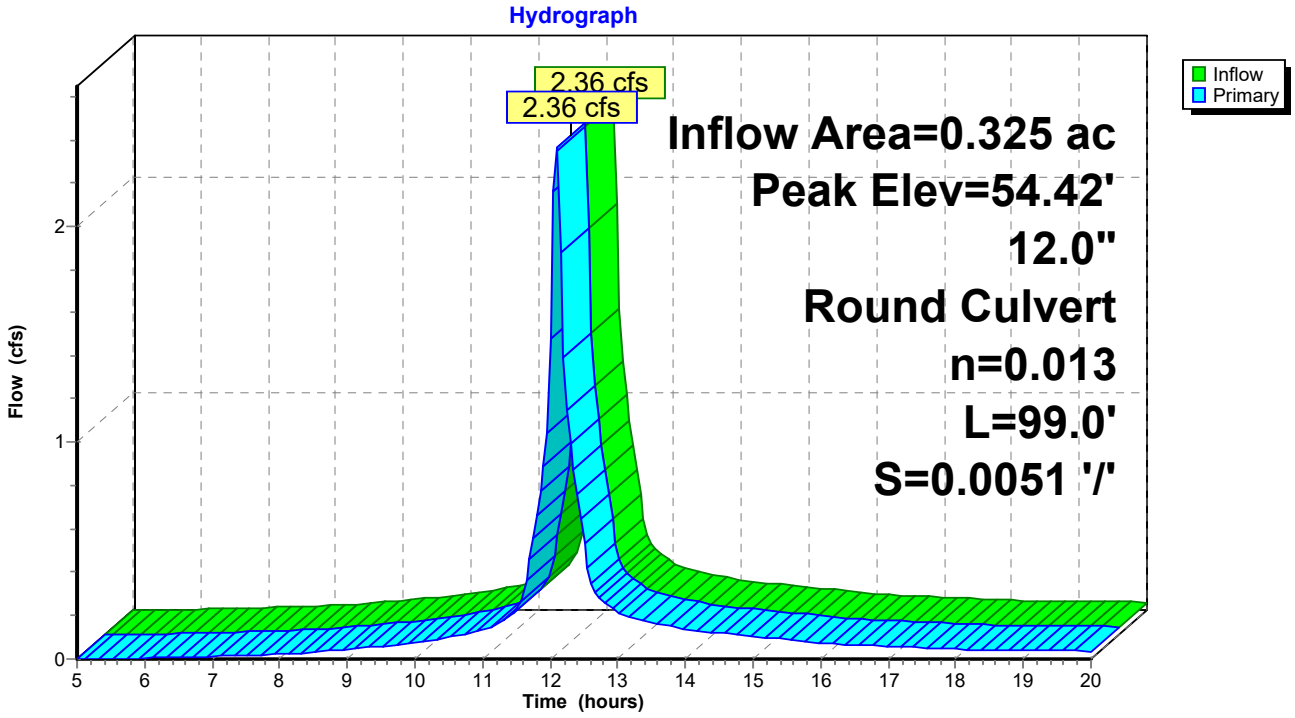
Inflow Area = 0.325 ac, 69.06% Impervious, Inflow Depth > 6.11" for 100-Year event
Inflow = 2.36 cfs @ 12.09 hrs, Volume= 0.165 af
Outflow = 2.36 cfs @ 12.09 hrs, Volume= 0.165 af, Atten= 0%, Lag= 0.0 min
Primary = 2.36 cfs @ 12.09 hrs, Volume= 0.165 af
Routed to Pond 205P : DMH 27

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.42' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.30'	**12.0" Round Culvert** L= 99.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.30' / 52.80' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.31 cfs @ 12.09 hrs HW=54.40' (Free Discharge)
1=Culvert (Inlet Controls 2.31 cfs @ 2.94 fps)

Pond 139P: DMH 28



Stage-Area-Storage for Pond 139P: DMH 28

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.30	**0.000**	53.83	0.000	54.36	0.000
53.31	0.000	53.84	0.000	54.37	0.000
53.32	0.000	53.85	0.000	54.38	0.000
53.33	0.000	53.86	0.000	54.39	0.000
53.34	0.000	53.87	0.000	54.40	0.000
53.35	0.000	53.88	0.000	54.41	0.000
53.36	0.000	53.89	0.000	54.42	0.000
53.37	0.000	53.90	0.000		
53.38	0.000	53.91	0.000		
53.39	0.000	53.92	0.000		
53.40	0.000	53.93	0.000		
53.41	0.000	53.94	0.000		
53.42	0.000	53.95	0.000		
53.43	0.000	53.96	0.000		
53.44	0.000	53.97	0.000		
53.45	0.000	53.98	0.000		
53.46	0.000	53.99	0.000		
53.47	0.000	54.00	0.000		
53.48	0.000	54.01	0.000		
53.49	0.000	54.02	0.000		
53.50	0.000	54.03	0.000		
53.51	0.000	54.04	0.000		
53.52	0.000	54.05	0.000		
53.53	0.000	54.06	0.000		
53.54	0.000	54.07	0.000		
53.55	0.000	54.08	0.000		
53.56	0.000	54.09	0.000		
53.57	0.000	54.10	0.000		
53.58	0.000	54.11	0.000		
53.59	0.000	54.12	0.000		
53.60	0.000	54.13	0.000		
53.61	0.000	54.14	0.000		
53.62	0.000	54.15	0.000		
53.63	0.000	54.16	0.000		
53.64	0.000	54.17	0.000		
53.65	0.000	54.18	0.000		
53.66	0.000	54.19	0.000		
53.67	0.000	54.20	0.000		
53.68	0.000	54.21	0.000		
53.69	0.000	54.22	0.000		
53.70	0.000	54.23	0.000		
53.71	0.000	54.24	0.000		
53.72	0.000	54.25	0.000		
53.73	0.000	54.26	0.000		
53.74	0.000	54.27	0.000		
53.75	0.000	54.28	0.000		
53.76	0.000	54.29	0.000		
53.77	0.000	54.30	0.000		
53.78	0.000	54.31	0.000		
53.79	0.000	54.32	0.000		
53.80	0.000	54.33	0.000		
53.81	0.000	54.34	0.000		
53.82	0.000	54.35	0.000		

Summary for Pond 140P: CB 31

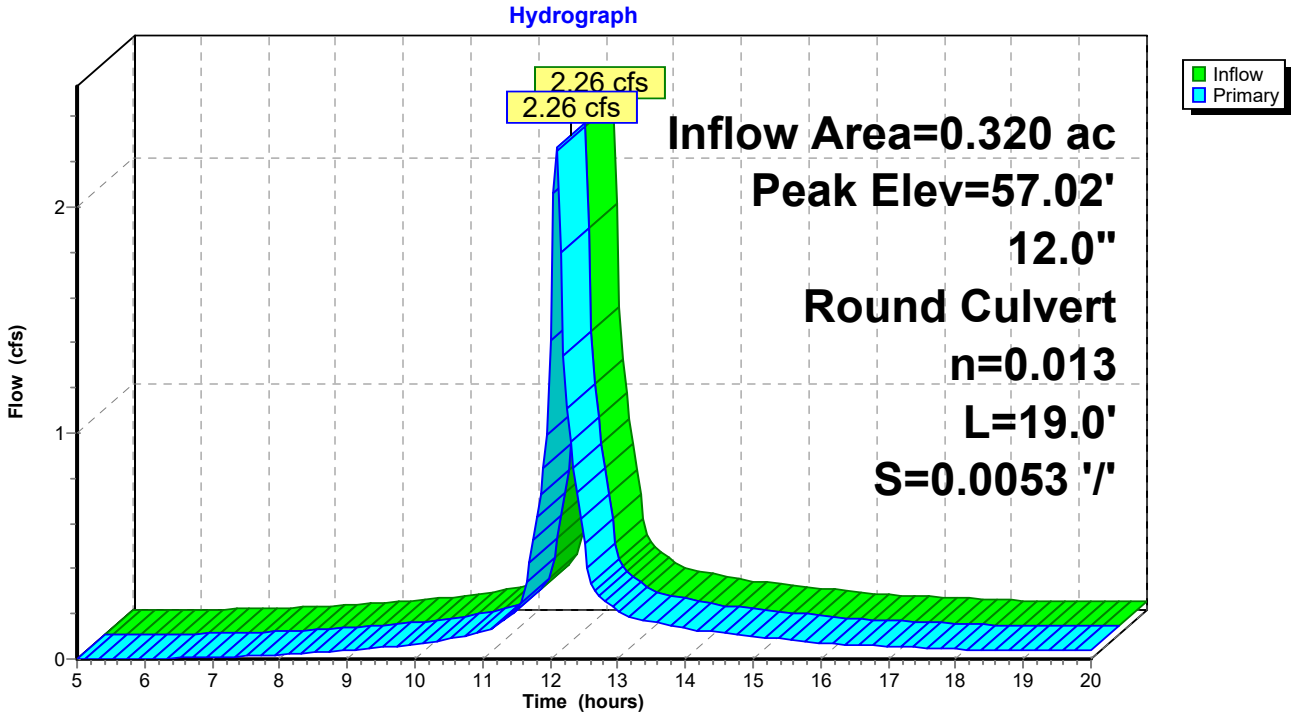
Inflow Area = 0.320 ac, 63.97% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 2.26 cfs @ 12.09 hrs, Volume= 0.157 af
Outflow = 2.26 cfs @ 12.09 hrs, Volume= 0.157 af, Atten= 0%, Lag= 0.0 min
Primary = 2.26 cfs @ 12.09 hrs, Volume= 0.157 af
Routed to Pond 141P : DMH 23

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.02' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.90'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.90' / 55.80' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.21 cfs @ 12.09 hrs HW=57.00' (Free Discharge)
1=Culvert (Barrel Controls 2.21 cfs @ 3.20 fps)

Pond 140P: CB 31



Stage-Area-Storage for Pond 140P: CB 31

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.90	**0.000**	56.43	0.000	56.96	0.000
55.91	0.000	56.44	0.000	56.97	0.000
55.92	0.000	56.45	0.000	56.98	0.000
55.93	0.000	56.46	0.000	56.99	0.000
55.94	0.000	56.47	0.000	57.00	0.000
55.95	0.000	56.48	0.000	57.01	0.000
55.96	0.000	56.49	0.000	57.02	0.000
55.97	0.000	56.50	0.000		
55.98	0.000	56.51	0.000		
55.99	0.000	56.52	0.000		
56.00	0.000	56.53	0.000		
56.01	0.000	56.54	0.000		
56.02	0.000	56.55	0.000		
56.03	0.000	56.56	0.000		
56.04	0.000	56.57	0.000		
56.05	0.000	56.58	0.000		
56.06	0.000	56.59	0.000		
56.07	0.000	56.60	0.000		
56.08	0.000	56.61	0.000		
56.09	0.000	56.62	0.000		
56.10	0.000	56.63	0.000		
56.11	0.000	56.64	0.000		
56.12	0.000	56.65	0.000		
56.13	0.000	56.66	0.000		
56.14	0.000	56.67	0.000		
56.15	0.000	56.68	0.000		
56.16	0.000	56.69	0.000		
56.17	0.000	56.70	0.000		
56.18	0.000	56.71	0.000		
56.19	0.000	56.72	0.000		
56.20	0.000	56.73	0.000		
56.21	0.000	56.74	0.000		
56.22	0.000	56.75	0.000		
56.23	0.000	56.76	0.000		
56.24	0.000	56.77	0.000		
56.25	0.000	56.78	0.000		
56.26	0.000	56.79	0.000		
56.27	0.000	56.80	0.000		
56.28	0.000	56.81	0.000		
56.29	0.000	56.82	0.000		
56.30	0.000	56.83	0.000		
56.31	0.000	56.84	0.000		
56.32	0.000	56.85	0.000		
56.33	0.000	56.86	0.000		
56.34	0.000	56.87	0.000		
56.35	0.000	56.88	0.000		
56.36	0.000	56.89	0.000		
56.37	0.000	56.90	0.000		
56.38	0.000	56.91	0.000		
56.39	0.000	56.92	0.000		
56.40	0.000	56.93	0.000		
56.41	0.000	56.94	0.000		
56.42	0.000	56.95	0.000		

Summary for Pond 141P: DMH 23

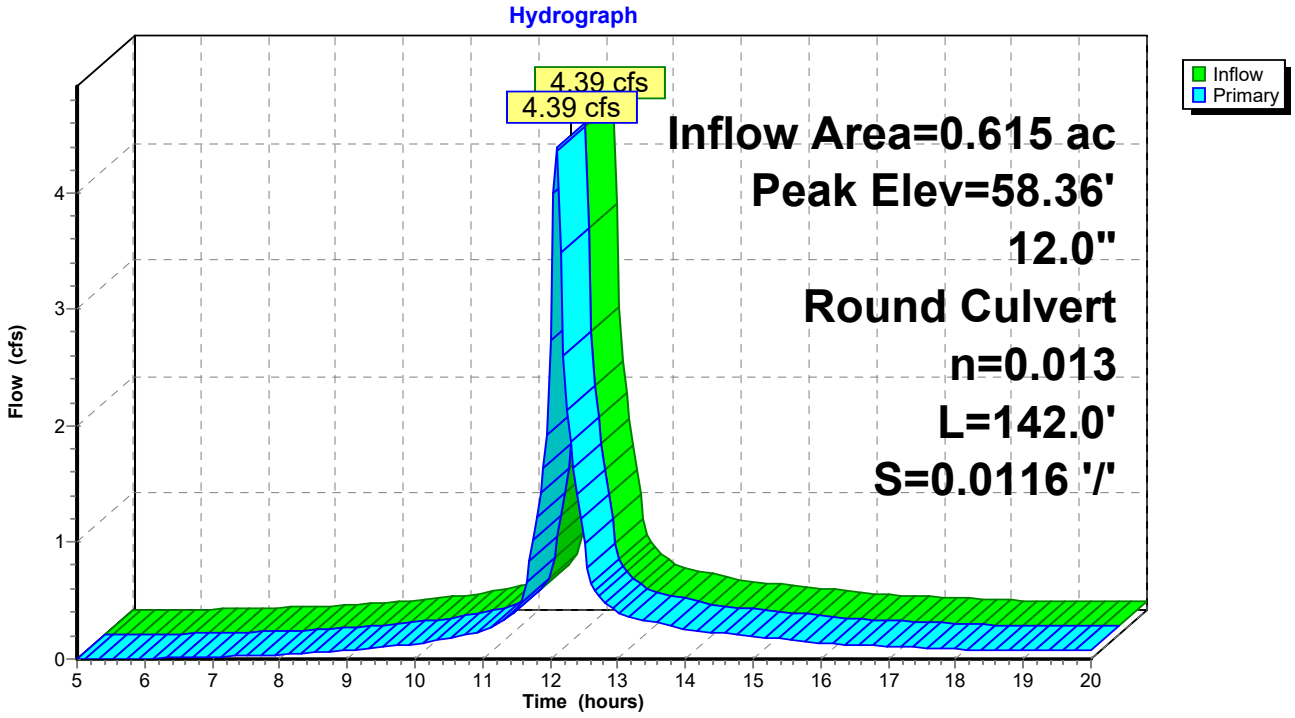
Inflow Area = 0.615 ac, 65.69% Impervious, Inflow Depth > 5.96" for 100-Year event
Inflow = 4.39 cfs @ 12.09 hrs, Volume= 0.305 af
Outflow = 4.39 cfs @ 12.09 hrs, Volume= 0.305 af, Atten= 0%, Lag= 0.0 min
Primary = 4.39 cfs @ 12.09 hrs, Volume= 0.305 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 58.36' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	55.70'	**12.0" Round Culvert** L= 142.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.70' / 54.05' S= 0.0116 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.29 cfs @ 12.09 hrs HW=58.26' (Free Discharge)
1=Culvert (Inlet Controls 4.29 cfs @ 5.46 fps)

Pond 141P: DMH 23



Stage-Area-Storage for Pond 141P: DMH 23

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
55.70	**0.000**	56.76	0.000	57.82	0.000
55.72	0.000	56.78	0.000	57.84	0.000
55.74	0.000	56.80	0.000	57.86	0.000
55.76	0.000	56.82	0.000	57.88	0.000
55.78	0.000	56.84	0.000	57.90	0.000
55.80	0.000	56.86	0.000	57.92	0.000
55.82	0.000	56.88	0.000	57.94	0.000
55.84	0.000	56.90	0.000	57.96	0.000
55.86	0.000	56.92	0.000	57.98	0.000
55.88	0.000	56.94	0.000	58.00	0.000
55.90	0.000	56.96	0.000	58.02	0.000
55.92	0.000	56.98	0.000	58.04	0.000
55.94	0.000	57.00	0.000	58.06	0.000
55.96	0.000	57.02	0.000	58.08	0.000
55.98	0.000	57.04	0.000	58.10	0.000
56.00	0.000	57.06	0.000	58.12	0.000
56.02	0.000	57.08	0.000	58.14	0.000
56.04	0.000	57.10	0.000	58.16	0.000
56.06	0.000	57.12	0.000	58.18	0.000
56.08	0.000	57.14	0.000	58.20	0.000
56.10	0.000	57.16	0.000	58.22	0.000
56.12	0.000	57.18	0.000	58.24	0.000
56.14	0.000	57.20	0.000	58.26	0.000
56.16	0.000	57.22	0.000	58.28	0.000
56.18	0.000	57.24	0.000	58.30	0.000
56.20	0.000	57.26	0.000	58.32	0.000
56.22	0.000	57.28	0.000	58.34	0.000
56.24	0.000	57.30	0.000		
56.26	0.000	57.32	0.000		
56.28	0.000	57.34	0.000		
56.30	0.000	57.36	0.000		
56.32	0.000	57.38	0.000		
56.34	0.000	57.40	0.000		
56.36	0.000	57.42	0.000		
56.38	0.000	57.44	0.000		
56.40	0.000	57.46	0.000		
56.42	0.000	57.48	0.000		
56.44	0.000	57.50	0.000		
56.46	0.000	57.52	0.000		
56.48	0.000	57.54	0.000		
56.50	0.000	57.56	0.000		
56.52	0.000	57.58	0.000		
56.54	0.000	57.60	0.000		
56.56	0.000	57.62	0.000		
56.58	0.000	57.64	0.000		
56.60	0.000	57.66	0.000		
56.62	0.000	57.68	0.000		
56.64	0.000	57.70	0.000		
56.66	0.000	57.72	0.000		
56.68	0.000	57.74	0.000		
56.70	0.000	57.76	0.000		
56.72	0.000	57.78	0.000		
56.74	0.000	57.80	0.000		

Summary for Pond 142P: CB 40

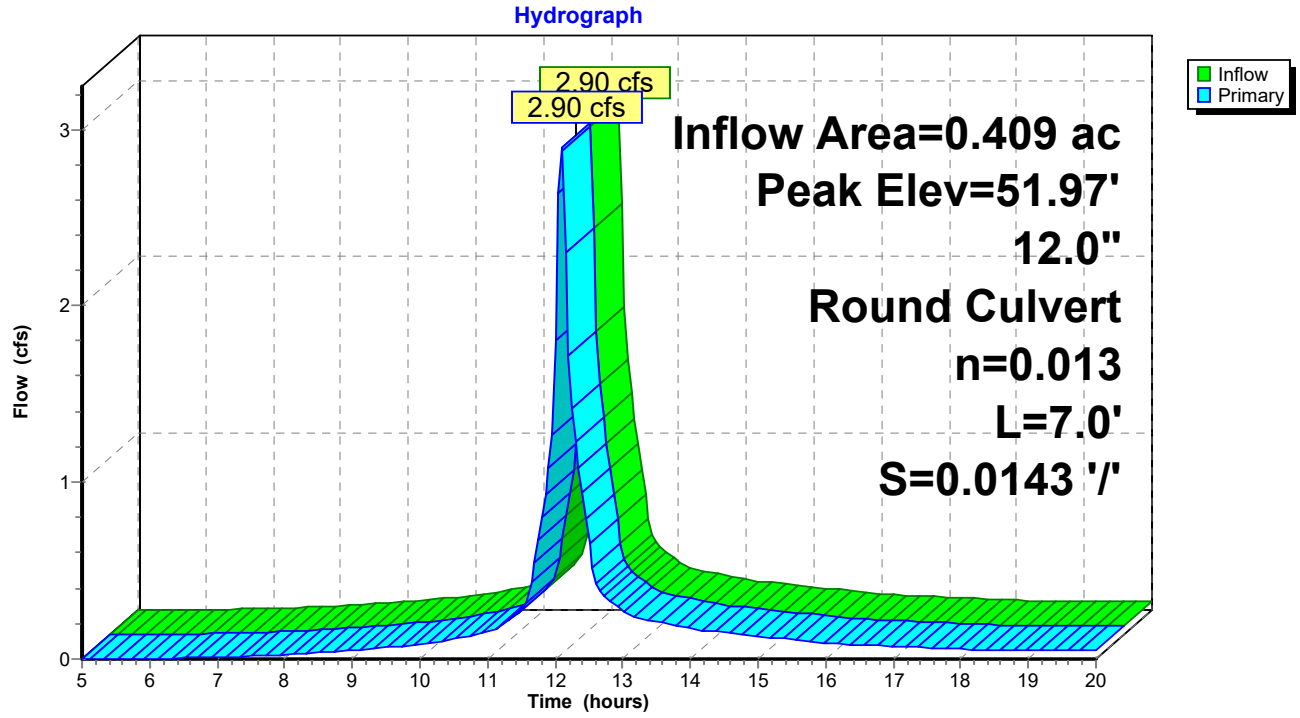
Inflow Area = 0.409 ac, 65.98% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 2.90 cfs @ 12.09 hrs, Volume= 0.201 af
Outflow = 2.90 cfs @ 12.09 hrs, Volume= 0.201 af, Atten= 0%, Lag= 0.0 min
Primary = 2.90 cfs @ 12.09 hrs, Volume= 0.201 af
Routed to Pond 144P : DMH 30

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.53'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.53' / 50.43' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.83 cfs @ 12.09 hrs HW=51.93' (Free Discharge)
1=Culvert (Inlet Controls 2.83 cfs @ 3.61 fps)

Pond 142P: CB 40



Stage-Area-Storage for Pond 142P: CB 40

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.53	**0.000**	51.06	0.000	51.59	0.000
50.54	0.000	51.07	0.000	51.60	0.000
50.55	0.000	51.08	0.000	51.61	0.000
50.56	0.000	51.09	0.000	51.62	0.000
50.57	0.000	51.10	0.000	51.63	0.000
50.58	0.000	51.11	0.000	51.64	0.000
50.59	0.000	51.12	0.000	51.65	0.000
50.60	0.000	51.13	0.000	51.66	0.000
50.61	0.000	51.14	0.000	51.67	0.000
50.62	0.000	51.15	0.000	51.68	0.000
50.63	0.000	51.16	0.000	51.69	0.000
50.64	0.000	51.17	0.000	51.70	0.000
50.65	0.000	51.18	0.000	51.71	0.000
50.66	0.000	51.19	0.000	51.72	0.000
50.67	0.000	51.20	0.000	51.73	0.000
50.68	0.000	51.21	0.000	51.74	0.000
50.69	0.000	51.22	0.000	51.75	0.000
50.70	0.000	51.23	0.000	51.76	0.000
50.71	0.000	51.24	0.000	51.77	0.000
50.72	0.000	51.25	0.000	51.78	0.000
50.73	0.000	51.26	0.000	51.79	0.000
50.74	0.000	51.27	0.000	51.80	0.000
50.75	0.000	51.28	0.000	51.81	0.000
50.76	0.000	51.29	0.000	51.82	0.000
50.77	0.000	51.30	0.000	51.83	0.000
50.78	0.000	51.31	0.000	51.84	0.000
50.79	0.000	51.32	0.000	51.85	0.000
50.80	0.000	51.33	0.000	51.86	0.000
50.81	0.000	51.34	0.000	51.87	0.000
50.82	0.000	51.35	0.000	51.88	0.000
50.83	0.000	51.36	0.000	51.89	0.000
50.84	0.000	51.37	0.000	51.90	0.000
50.85	0.000	51.38	0.000	51.91	0.000
50.86	0.000	51.39	0.000	51.92	0.000
50.87	0.000	51.40	0.000	51.93	0.000
50.88	0.000	51.41	0.000	51.94	0.000
50.89	0.000	51.42	0.000	51.95	0.000
50.90	0.000	51.43	0.000	51.96	0.000
50.91	0.000	51.44	0.000		
50.92	0.000	51.45	0.000		
50.93	0.000	51.46	0.000		
50.94	0.000	51.47	0.000		
50.95	0.000	51.48	0.000		
50.96	0.000	51.49	0.000		
50.97	0.000	51.50	0.000		
50.98	0.000	51.51	0.000		
50.99	0.000	51.52	0.000		
51.00	0.000	51.53	0.000		
51.01	0.000	51.54	0.000		
51.02	0.000	51.55	0.000		
51.03	0.000	51.56	0.000		
51.04	0.000	51.57	0.000		
51.05	0.000	51.58	0.000		

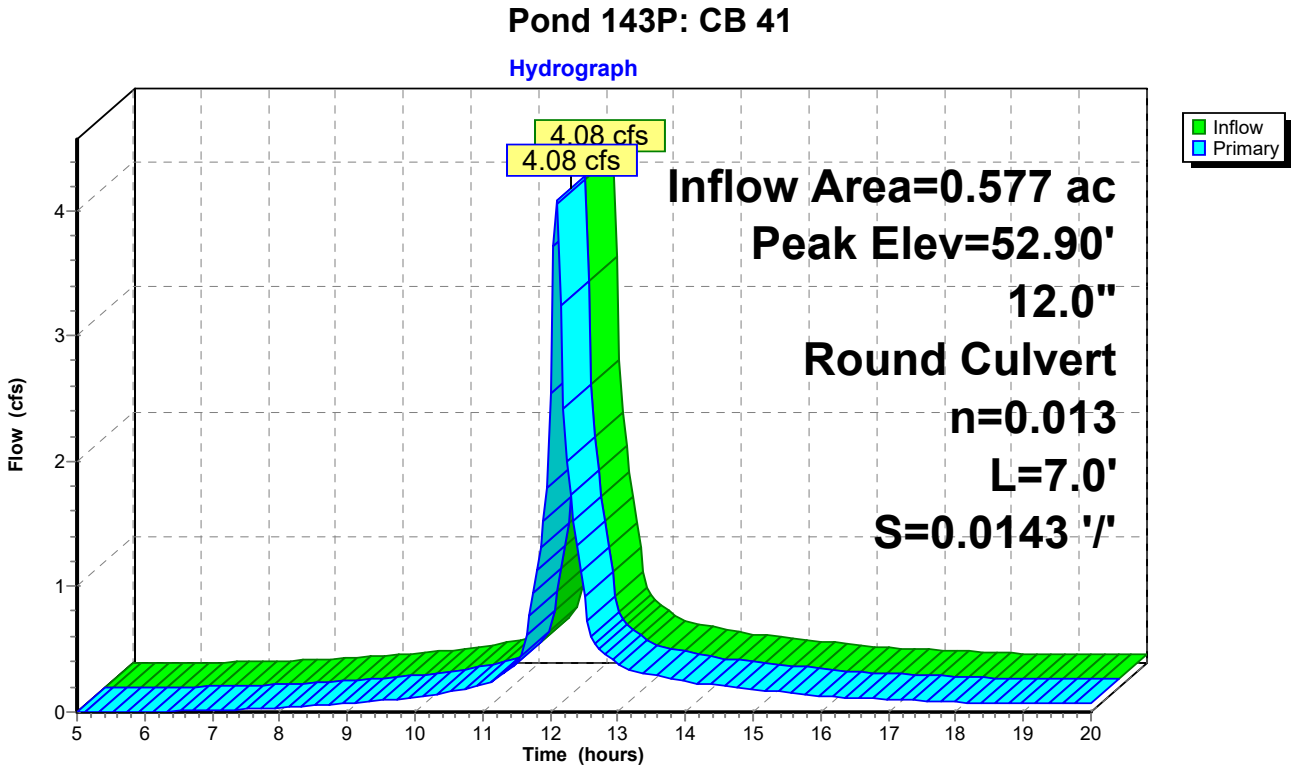
Summary for Pond 143P: CB 41

Inflow Area = 0.577 ac, 66.17% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 4.08 cfs @ 12.09 hrs, Volume= 0.284 af
Outflow = 4.08 cfs @ 12.09 hrs, Volume= 0.284 af, Atten= 0%, Lag= 0.0 min
Primary = 4.08 cfs @ 12.09 hrs, Volume= 0.284 af
Routed to Pond 144P : DMH 30

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.90' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.53'	**12.0" Round Culvert** L= 7.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.53' / 50.43' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.99 cfs @ 12.09 hrs HW=52.82' (Free Discharge)
1=Culvert (Inlet Controls 3.99 cfs @ 5.08 fps)



Stage-Area-Storage for Pond 143P: CB 41

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.53	**0.000**	51.59	0.000	52.65	0.000
50.55	0.000	51.61	0.000	52.67	0.000
50.57	0.000	51.63	0.000	52.69	0.000
50.59	0.000	51.65	0.000	52.71	0.000
50.61	0.000	51.67	0.000	52.73	0.000
50.63	0.000	51.69	0.000	52.75	0.000
50.65	0.000	51.71	0.000	52.77	0.000
50.67	0.000	51.73	0.000	52.79	0.000
50.69	0.000	51.75	0.000	52.81	0.000
50.71	0.000	51.77	0.000	52.83	0.000
50.73	0.000	51.79	0.000	52.85	0.000
50.75	0.000	51.81	0.000	52.87	0.000
50.77	0.000	51.83	0.000	52.89	0.000
50.79	0.000	51.85	0.000		
50.81	0.000	51.87	0.000		
50.83	0.000	51.89	0.000		
50.85	0.000	51.91	0.000		
50.87	0.000	51.93	0.000		
50.89	0.000	51.95	0.000		
50.91	0.000	51.97	0.000		
50.93	0.000	51.99	0.000		
50.95	0.000	52.01	0.000		
50.97	0.000	52.03	0.000		
50.99	0.000	52.05	0.000		
51.01	0.000	52.07	0.000		
51.03	0.000	52.09	0.000		
51.05	0.000	52.11	0.000		
51.07	0.000	52.13	0.000		
51.09	0.000	52.15	0.000		
51.11	0.000	52.17	0.000		
51.13	0.000	52.19	0.000		
51.15	0.000	52.21	0.000		
51.17	0.000	52.23	0.000		
51.19	0.000	52.25	0.000		
51.21	0.000	52.27	0.000		
51.23	0.000	52.29	0.000		
51.25	0.000	52.31	0.000		
51.27	0.000	52.33	0.000		
51.29	0.000	52.35	0.000		
51.31	0.000	52.37	0.000		
51.33	0.000	52.39	0.000		
51.35	0.000	52.41	0.000		
51.37	0.000	52.43	0.000		
51.39	0.000	52.45	0.000		
51.41	0.000	52.47	0.000		
51.43	0.000	52.49	0.000		
51.45	0.000	52.51	0.000		
51.47	0.000	52.53	0.000		
51.49	0.000	52.55	0.000		
51.51	0.000	52.57	0.000		
51.53	0.000	52.59	0.000		
51.55	0.000	52.61	0.000		
51.57	0.000	52.63	0.000		

Summary for Pond 144P: DMH 30

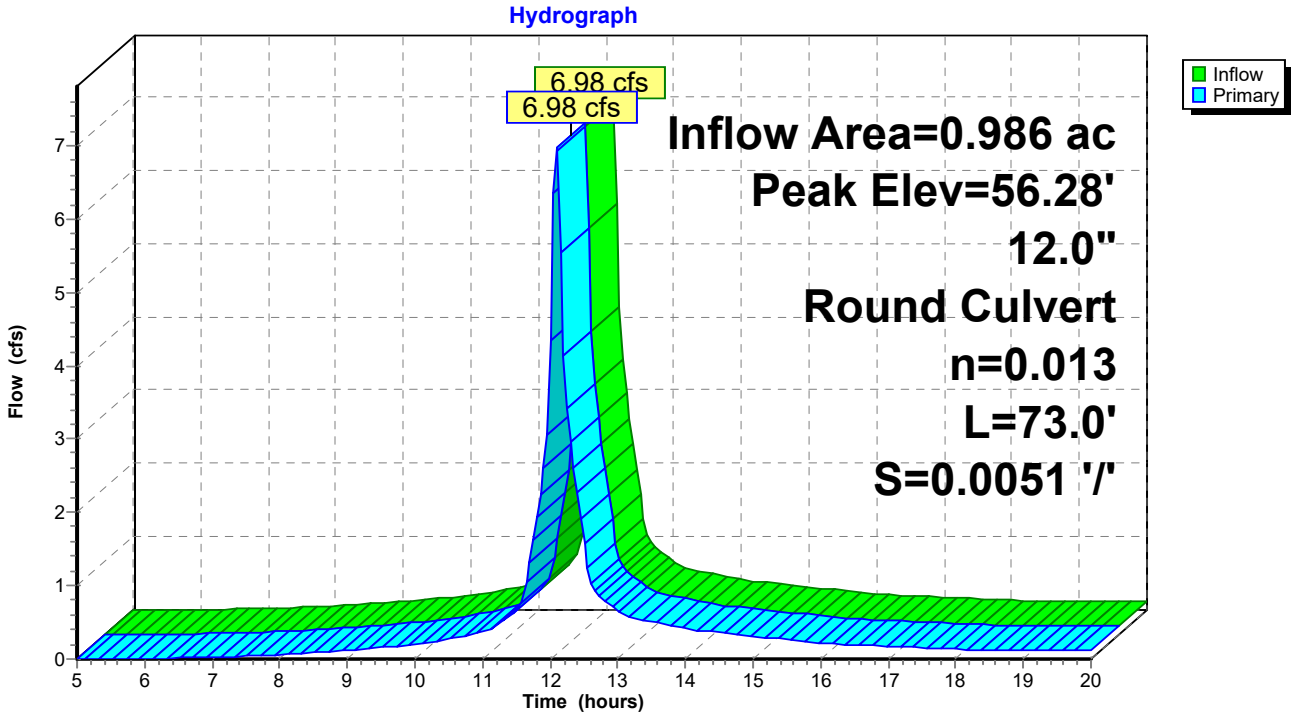
Inflow Area = 0.986 ac, 66.09% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 6.98 cfs @ 12.09 hrs, Volume= 0.485 af
Outflow = 6.98 cfs @ 12.09 hrs, Volume= 0.485 af, Atten= 0%, Lag= 0.0 min
Primary = 6.98 cfs @ 12.09 hrs, Volume= 0.485 af
Routed to Pond 145P : DMH 29

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.28' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.33'	**12.0" Round Culvert** L= 73.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.33' / 49.96' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=6.82 cfs @ 12.09 hrs HW=56.05' (Free Discharge)
1=Culvert (Inlet Controls 6.82 cfs @ 8.69 fps)

Pond 144P: DMH 30



Stage-Area-Storage for Pond 144P: DMH 30

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.33	**0.000**	52.98	0.000	55.63	0.000
50.38	0.000	53.03	0.000	55.68	0.000
50.43	0.000	53.08	0.000	55.73	0.000
50.48	0.000	53.13	0.000	55.78	0.000
50.53	0.000	53.18	0.000	55.83	0.000
50.58	0.000	53.23	0.000	55.88	0.000
50.63	0.000	53.28	0.000	55.93	0.000
50.68	0.000	53.33	0.000	55.98	0.000
50.73	0.000	53.38	0.000	56.03	0.000
50.78	0.000	53.43	0.000	56.08	0.000
50.83	0.000	53.48	0.000	56.13	0.000
50.88	0.000	53.53	0.000	56.18	0.000
50.93	0.000	53.58	0.000	56.23	0.000
50.98	0.000	53.63	0.000		
51.03	0.000	53.68	0.000		
51.08	0.000	53.73	0.000		
51.13	0.000	53.78	0.000		
51.18	0.000	53.83	0.000		
51.23	0.000	53.88	0.000		
51.28	0.000	53.93	0.000		
51.33	0.000	53.98	0.000		
51.38	0.000	54.03	0.000		
51.43	0.000	54.08	0.000		
51.48	0.000	54.13	0.000		
51.53	0.000	54.18	0.000		
51.58	0.000	54.23	0.000		
51.63	0.000	54.28	0.000		
51.68	0.000	54.33	0.000		
51.73	0.000	54.38	0.000		
51.78	0.000	54.43	0.000		
51.83	0.000	54.48	0.000		
51.88	0.000	54.53	0.000		
51.93	0.000	54.58	0.000		
51.98	0.000	54.63	0.000		
52.03	0.000	54.68	0.000		
52.08	0.000	54.73	0.000		
52.13	0.000	54.78	0.000		
52.18	0.000	54.83	0.000		
52.23	0.000	54.88	0.000		
52.28	0.000	54.93	0.000		
52.33	0.000	54.98	0.000		
52.38	0.000	55.03	0.000		
52.43	0.000	55.08	0.000		
52.48	0.000	55.13	0.000		
52.53	0.000	55.18	0.000		
52.58	0.000	55.23	0.000		
52.63	0.000	55.28	0.000		
52.68	0.000	55.33	0.000		
52.73	0.000	55.38	0.000		
52.78	0.000	55.43	0.000		
52.83	0.000	55.48	0.000		
52.88	0.000	55.53	0.000		
52.93	0.000	55.58	0.000		

Summary for Pond 145P: DMH 29

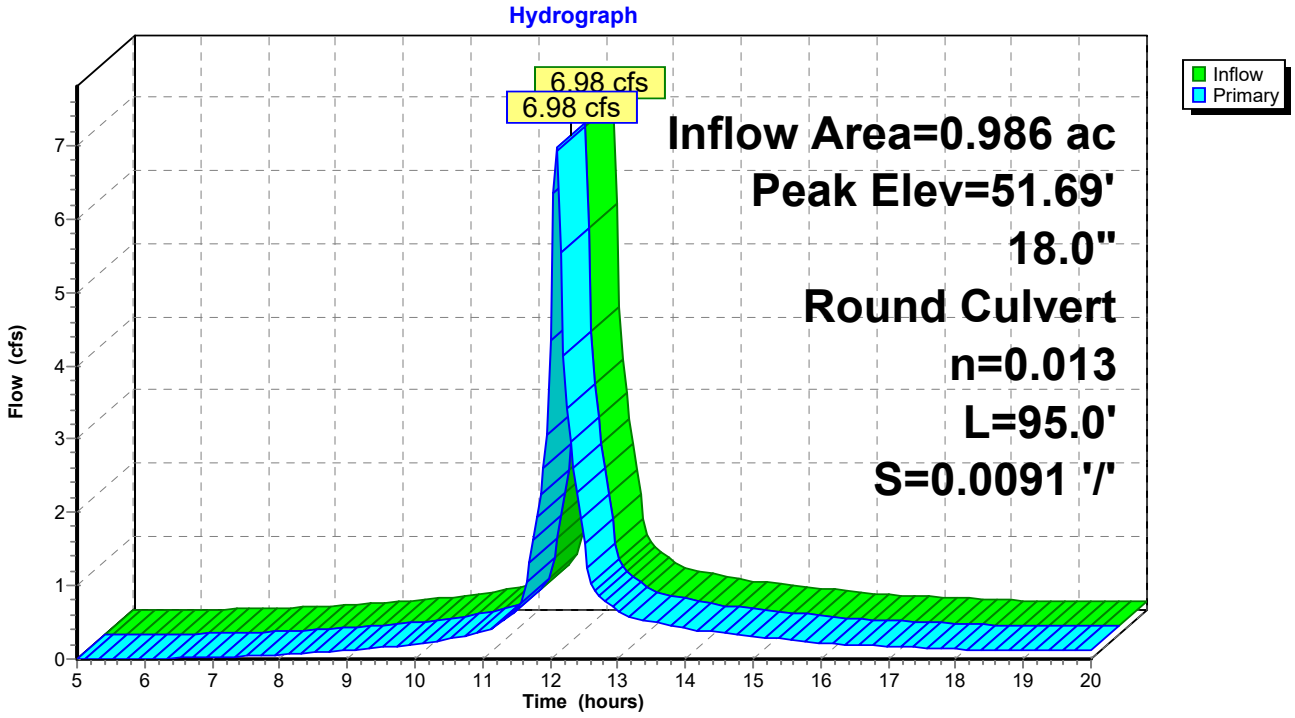
Inflow Area = 0.986 ac, 66.09% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 6.98 cfs @ 12.09 hrs, Volume= 0.485 af
Outflow = 6.98 cfs @ 12.09 hrs, Volume= 0.485 af, Atten= 0%, Lag= 0.0 min
Primary = 6.98 cfs @ 12.09 hrs, Volume= 0.485 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.69' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.86'	**18.0" Round Culvert** L= 95.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.86' / 49.00' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.82 cfs @ 12.09 hrs HW=51.64' (Free Discharge)
1=Culvert (Inlet Controls 6.82 cfs @ 3.86 fps)

Pond 145P: DMH 29



Stage-Area-Storage for Pond 145P: DMH 29

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.86	**0.000**	50.92	0.000
49.88	0.000	50.94	0.000
49.90	0.000	50.96	0.000
49.92	0.000	50.98	0.000
49.94	0.000	51.00	0.000
49.96	0.000	51.02	0.000
49.98	0.000	51.04	0.000
50.00	0.000	51.06	0.000
50.02	0.000	51.08	0.000
50.04	0.000	51.10	0.000
50.06	0.000	51.12	0.000
50.08	0.000	51.14	0.000
50.10	0.000	51.16	0.000
50.12	0.000	51.18	0.000
50.14	0.000	51.20	0.000
50.16	0.000	51.22	0.000
50.18	0.000	51.24	0.000
50.20	0.000	51.26	0.000
50.22	0.000	51.28	0.000
50.24	0.000	51.30	0.000
50.26	0.000	51.32	0.000
50.28	0.000	51.34	0.000
50.30	0.000	51.36	0.000
50.32	0.000	51.38	0.000
50.34	0.000	51.40	0.000
50.36	0.000	51.42	0.000
50.38	0.000	51.44	0.000
50.40	0.000	51.46	0.000
50.42	0.000	51.48	0.000
50.44	0.000	51.50	0.000
50.46	0.000	51.52	0.000
50.48	0.000	51.54	0.000
50.50	0.000	51.56	0.000
50.52	0.000	51.58	0.000
50.54	0.000	51.60	0.000
50.56	0.000	51.62	0.000
50.58	0.000	51.64	0.000
50.60	0.000	51.66	0.000
50.62	0.000	51.68	0.000
50.64	0.000		
50.66	0.000		
50.68	0.000		
50.70	0.000		
50.72	0.000		
50.74	0.000		
50.76	0.000		
50.78	0.000		
50.80	0.000		
50.82	0.000		
50.84	0.000		
50.86	0.000		
50.88	0.000		
50.90	0.000		

Summary for Pond 146P: Inf. Basin 2

Inflow Area = 1.642 ac, 64.89% Impervious, Inflow Depth > 5.78" for 100-Year event
Inflow = 11.10 cfs @ 12.09 hrs, Volume= 0.791 af
Outflow = 3.30 cfs @ 12.43 hrs, Volume= 0.791 af, Atten= 70%, Lag= 20.4 min
Discarded = 3.30 cfs @ 12.43 hrs, Volume= 0.791 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.59' @ 12.43 hrs Surf.Area= 5,385 sf Storage= 9,472 cf

Plug-Flow detention time= 25.1 min calculated for 0.791 af (100% of inflow)
Center-of-Mass det. time= 24.9 min (791.2 - 766.4)

Volume	Invert	Avail.Storage	Storage Description
#1	49.00'	18,306 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

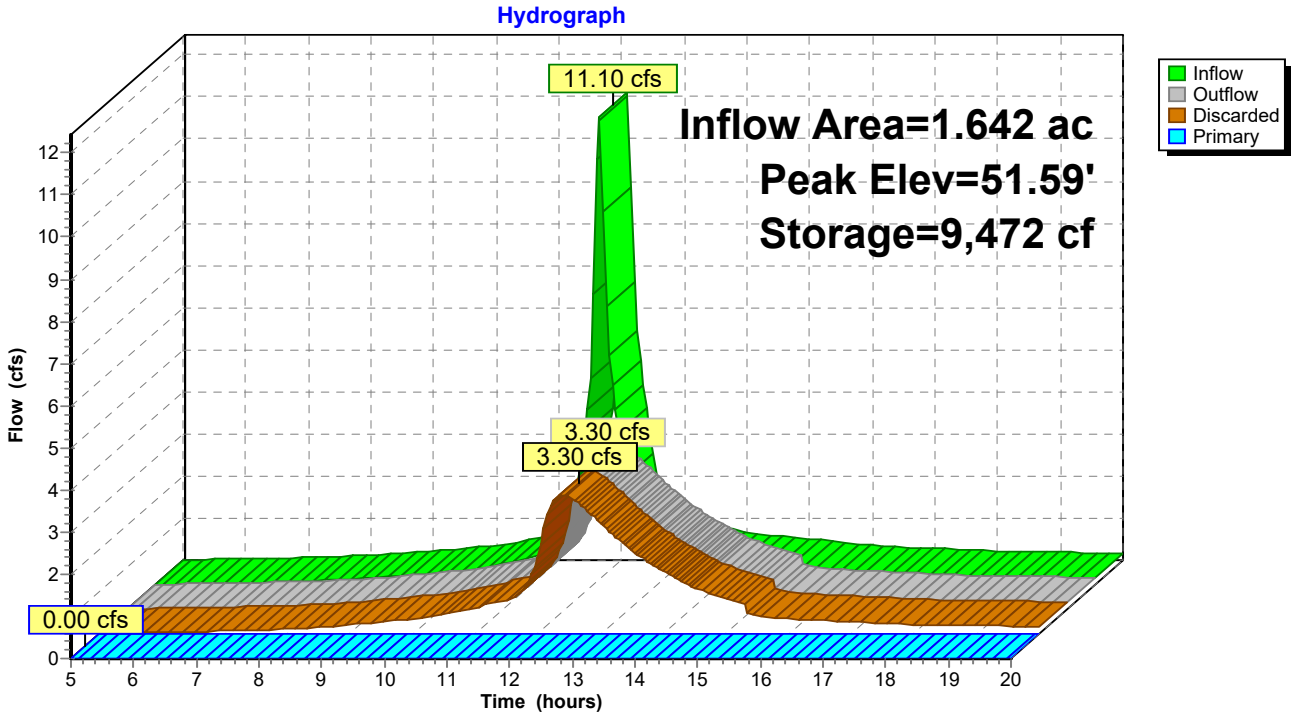
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
49.00	1,966	0	0
50.00	3,261	2,614	2,614
51.00	4,560	3,911	6,524
52.00	5,952	5,256	11,780
53.00	7,099	6,526	18,306

Device	Routing	Invert	Outlet Devices
#1	Discarded	49.00'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 47.00'
#2	Primary	49.00'	**12.0" Round Culvert** L= 42.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.00' / 45.00' S= 0.0952 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	52.20'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=3.29 cfs @ 12.43 hrs HW=51.59' (Free Discharge)
└**1=Exfiltration** (Controls 3.29 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=49.00' (Free Discharge)
└**2=Culvert** (Passes 0.00 cfs of 0.00 cfs potential flow)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Pond 146P: Inf. Basin 2



Stage-Area-Storage for Pond 146P: Inf. Basin 2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
49.00	1,966	0
49.05	2,031	100
49.10	2,096	203
49.15	2,160	309
49.20	2,225	419
49.25	2,290	532
49.30	2,354	648
49.35	2,419	767
49.40	2,484	890
49.45	2,549	1,016
49.50	2,614	1,145
49.55	2,678	1,277
49.60	2,743	1,413
49.65	2,808	1,551
49.70	2,873	1,693
49.75	2,937	1,839
49.80	3,002	1,987
49.85	3,067	2,139
49.90	3,131	2,294
49.95	3,196	2,452
50.00	3,261	2,614
50.05	3,326	2,778
50.10	3,391	2,946
50.15	3,456	3,117
50.20	3,521	3,292
50.25	3,586	3,469
50.30	3,651	3,650
50.35	3,716	3,834
50.40	3,781	4,022
50.45	3,846	4,212
50.50	3,911	4,406
50.55	3,975	4,604
50.60	4,040	4,804
50.65	4,105	5,008
50.70	4,170	5,214
50.75	4,235	5,425
50.80	4,300	5,638
50.85	4,365	5,855
50.90	4,430	6,074
50.95	4,495	6,298
51.00	4,560	6,524
51.05	4,630	6,754
51.10	4,699	6,987
51.15	4,769	7,224
51.20	4,838	7,464
51.25	4,908	7,708
51.30	4,978	7,955
51.35	5,047	8,205
51.40	5,117	8,459
51.45	5,186	8,717
51.50	5,256	8,978
51.55	5,326	9,243
51.60	5,395	9,511
51.65	5,465	9,782
51.70	5,534	10,057
51.75	5,604	10,336
51.80	5,674	10,617
51.85	5,743	10,903
51.90	5,813	11,192
51.95	5,882	11,484
52.00	5,952	11,780
52.05	6,009	12,079
52.10	6,067	12,381
52.15	6,124	12,686
52.20	6,181	12,993
52.25	6,239	13,304
52.30	6,296	13,617
52.35	6,353	13,933
52.40	6,411	14,253
52.45	6,468	14,575
52.50	6,526	14,899
52.55	6,583	15,227
52.60	6,640	15,558
52.65	6,698	15,891
52.70	6,755	16,227
52.75	6,812	16,567
52.80	6,870	16,909
52.85	6,927	17,254
52.90	6,984	17,601
52.95	7,042	17,952
53.00	**7,099**	**18,306**

Summary for Pond 147P: CB 28

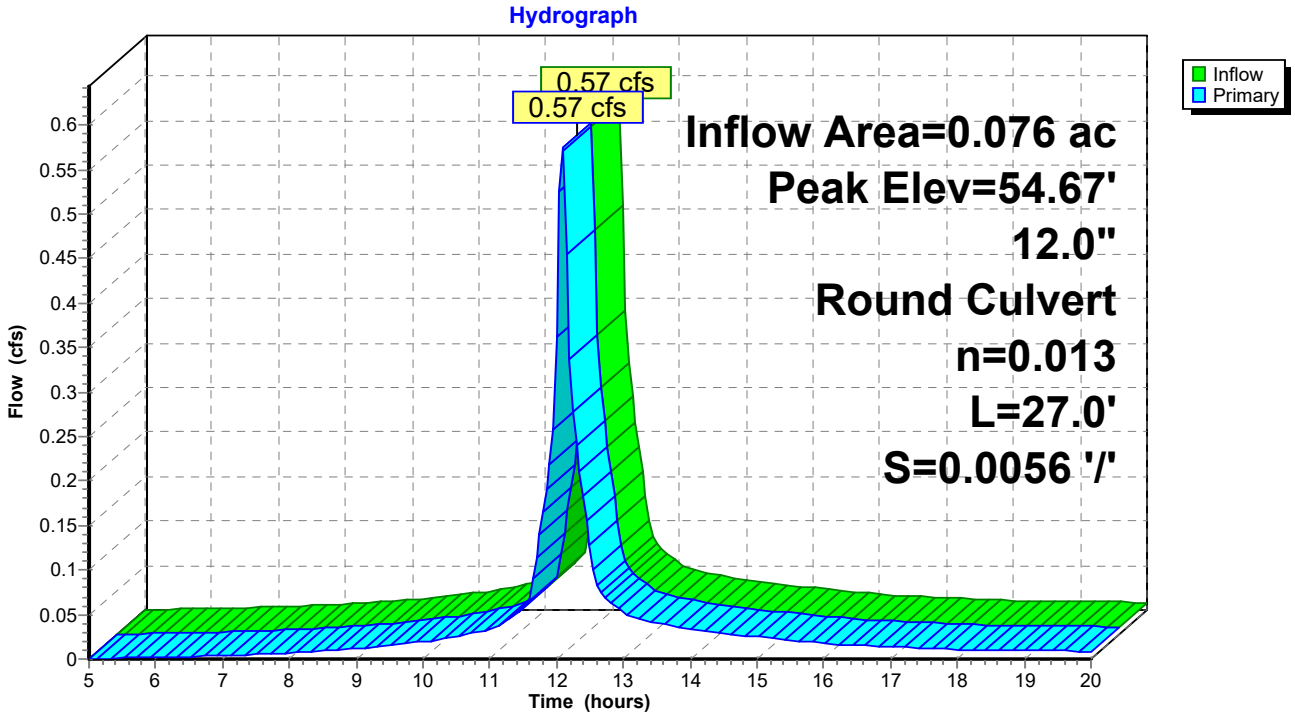
Inflow Area = 0.076 ac, 72.53% Impervious, Inflow Depth > 6.38" for 100-Year event
Inflow = 0.57 cfs @ 12.09 hrs, Volume= 0.041 af
Outflow = 0.57 cfs @ 12.09 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.0 min
Primary = 0.57 cfs @ 12.09 hrs, Volume= 0.041 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.67' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.20'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.20' / 54.05' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.56 cfs @ 12.09 hrs HW=54.66' (Free Discharge)
1=Culvert (Barrel Controls 0.56 cfs @ 2.34 fps)

Pond 147P: CB 28



Stage-Area-Storage for Pond 147P: CB 28

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.20	**0.000**	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000		
54.69	0.000		
54.70	0.000		
54.71	0.000		
54.72	0.000		

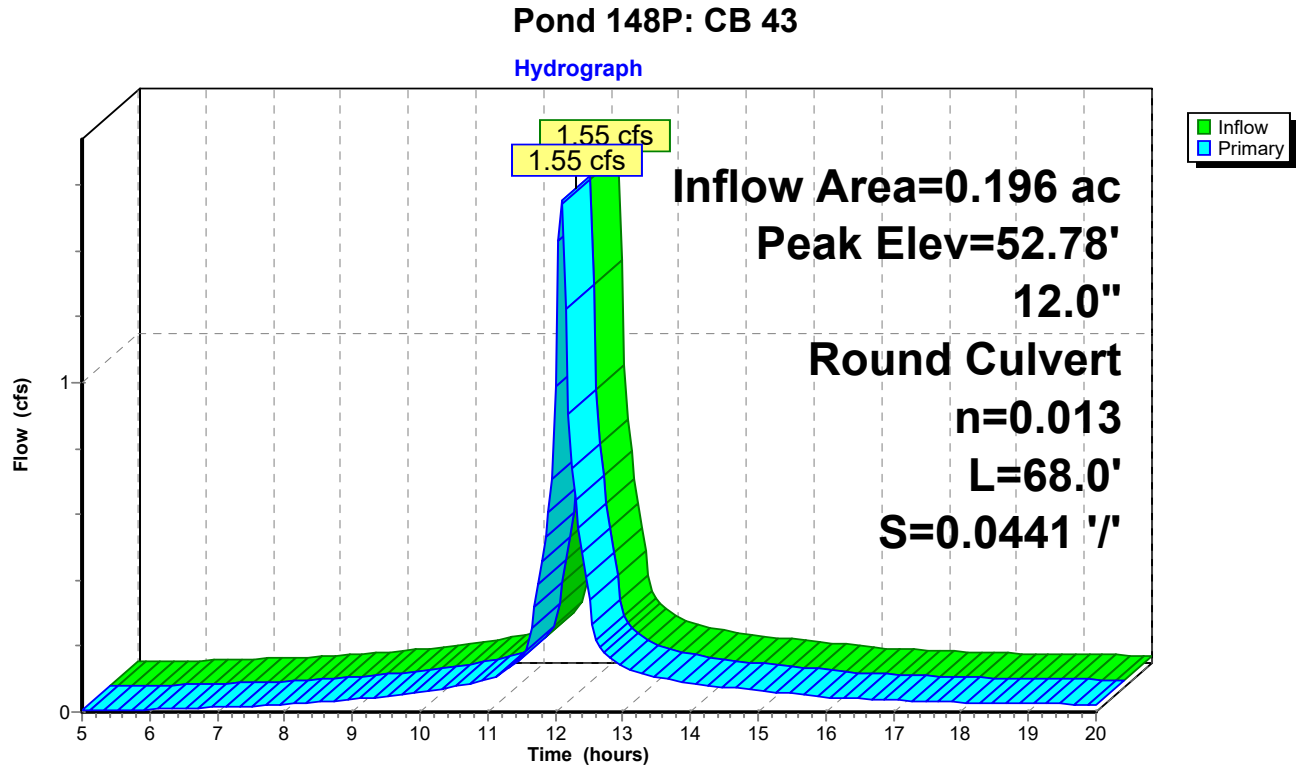
Summary for Pond 148P: CB 43

Inflow Area = 0.196 ac, 80.21% Impervious, Inflow Depth > 6.85" for 100-Year event
Inflow = 1.55 cfs @ 12.09 hrs, Volume= 0.112 af
Outflow = 1.55 cfs @ 12.09 hrs, Volume= 0.112 af, Atten= 0%, Lag= 0.0 min
Primary = 1.55 cfs @ 12.09 hrs, Volume= 0.112 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.78' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.00'	**12.0" Round Culvert** L= 68.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.00' / 49.00' S= 0.0441 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.51 cfs @ 12.09 hrs HW=52.76' (Free Discharge)
1=Culvert (Inlet Controls 1.51 cfs @ 2.35 fps)



Stage-Area-Storage for Pond 148P: CB 43

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.00	**0.000**	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000		
52.49	0.000		
52.50	0.000		
52.51	0.000		
52.52	0.000		

Summary for Pond 149P: CB 29

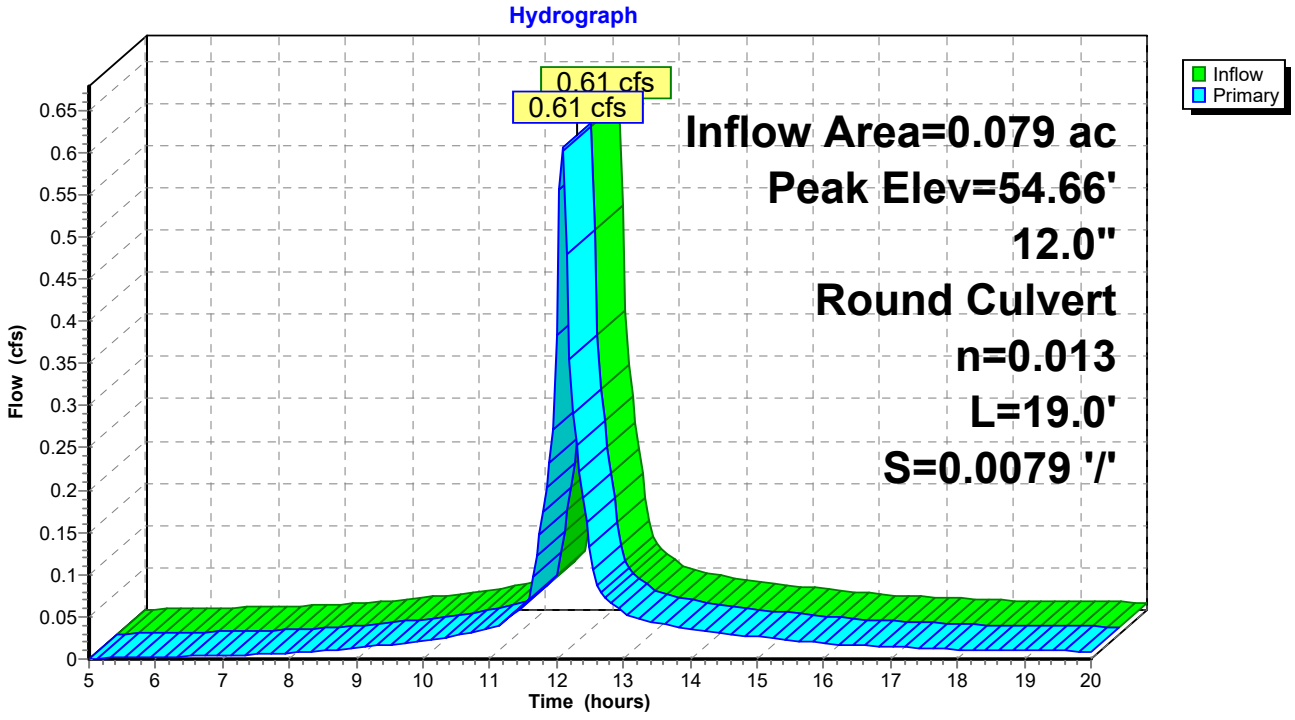
Inflow Area = 0.079 ac, 73.82% Impervious, Inflow Depth > 6.50" for 100-Year event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af
Outflow = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.09 hrs, Volume= 0.043 af
Routed to Pond 150P : DMH 22

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.66' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.20'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.20' / 54.05' S= 0.0079 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.59 cfs @ 12.09 hrs HW=54.66' (Free Discharge)
1=Culvert (Barrel Controls 0.59 cfs @ 2.48 fps)

Pond 149P: CB 29



Stage-Area-Storage for Pond 149P: CB 29

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.20	**0.000**	54.73	0.000
54.21	0.000	54.74	0.000
54.22	0.000	54.75	0.000
54.23	0.000	54.76	0.000
54.24	0.000	54.77	0.000
54.25	0.000	54.78	0.000
54.26	0.000	54.79	0.000
54.27	0.000	54.80	0.000
54.28	0.000	54.81	0.000
54.29	0.000	54.82	0.000
54.30	0.000	54.83	0.000
54.31	0.000	54.84	0.000
54.32	0.000	54.85	0.000
54.33	0.000	54.86	0.000
54.34	0.000	54.87	0.000
54.35	0.000	54.88	0.000
54.36	0.000	54.89	0.000
54.37	0.000	54.90	0.000
54.38	0.000	54.91	0.000
54.39	0.000	54.92	0.000
54.40	0.000	54.93	0.000
54.41	0.000	54.94	0.000
54.42	0.000	54.95	0.000
54.43	0.000	54.96	0.000
54.44	0.000	54.97	0.000
54.45	0.000	54.98	0.000
54.46	0.000	54.99	0.000
54.47	0.000	55.00	0.000
54.48	0.000	55.01	0.000
54.49	0.000	55.02	0.000
54.50	0.000	55.03	0.000
54.51	0.000	55.04	0.000
54.52	0.000	55.05	0.000
54.53	0.000	55.06	0.000
54.54	0.000	55.07	0.000
54.55	0.000	55.08	0.000
54.56	0.000	55.09	0.000
54.57	0.000	55.10	0.000
54.58	0.000	55.11	0.000
54.59	0.000	55.12	0.000
54.60	0.000	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000		
54.69	0.000		
54.70	0.000		
54.71	0.000		
54.72	0.000		

Summary for Pond 150P: DMH 22

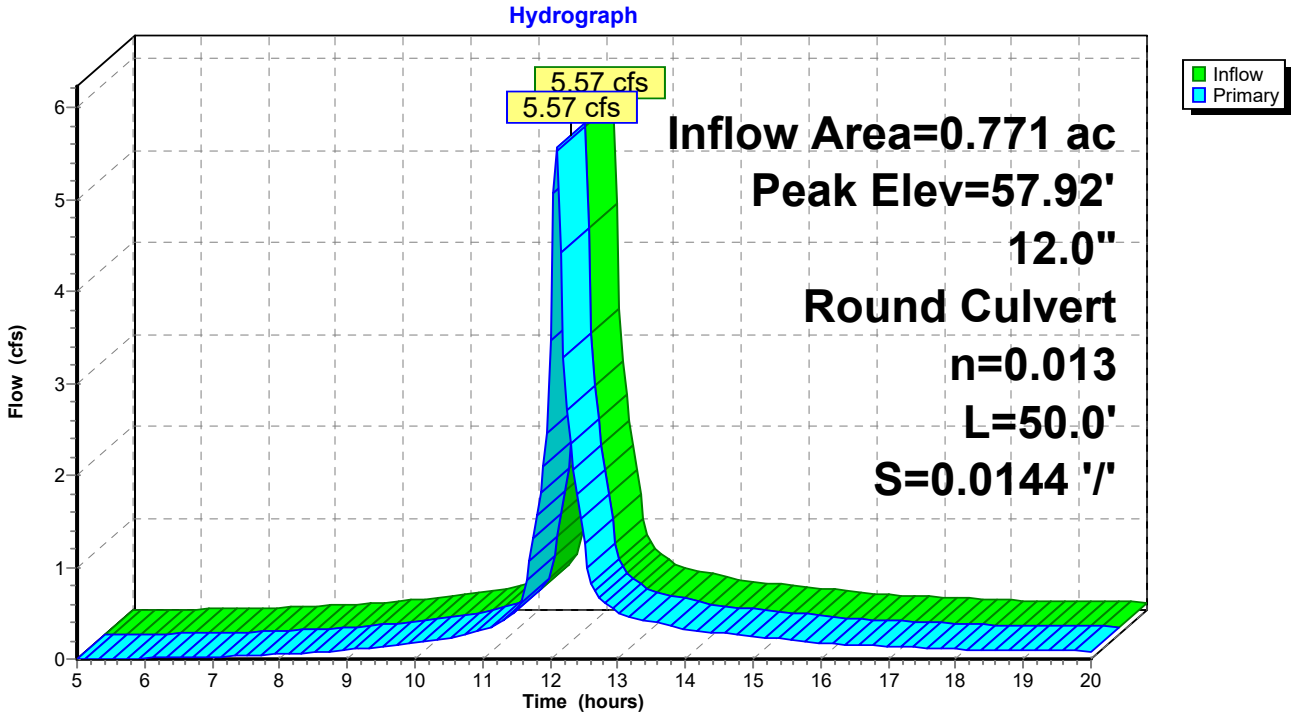
Inflow Area = 0.771 ac, 67.20% Impervious, Inflow Depth > 6.05" for 100-Year event
Inflow = 5.57 cfs @ 12.09 hrs, Volume= 0.389 af
Outflow = 5.57 cfs @ 12.09 hrs, Volume= 0.389 af, Atten= 0%, Lag= 0.0 min
Primary = 5.57 cfs @ 12.09 hrs, Volume= 0.389 af
Routed to Pond 161P : DMH 19

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.95'	**12.0" Round Culvert** L= 50.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.95' / 53.23' S= 0.0144 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.44 cfs @ 12.09 hrs HW=57.77' (Free Discharge)
1=Culvert (Inlet Controls 5.44 cfs @ 6.93 fps)

Pond 150P: DMH 22



Stage-Area-Storage for Pond 150P: DMH 22

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.95	**0.000**	56.60	0.000
54.00	0.000	56.65	0.000
54.05	0.000	56.70	0.000
54.10	0.000	56.75	0.000
54.15	0.000	56.80	0.000
54.20	0.000	56.85	0.000
54.25	0.000	56.90	0.000
54.30	0.000	56.95	0.000
54.35	0.000	57.00	0.000
54.40	0.000	57.05	0.000
54.45	0.000	57.10	0.000
54.50	0.000	57.15	0.000
54.55	0.000	57.20	0.000
54.60	0.000	57.25	0.000
54.65	0.000	57.30	0.000
54.70	0.000	57.35	0.000
54.75	0.000	57.40	0.000
54.80	0.000	57.45	0.000
54.85	0.000	57.50	0.000
54.90	0.000	57.55	0.000
54.95	0.000	57.60	0.000
55.00	0.000	57.65	0.000
55.05	0.000	57.70	0.000
55.10	0.000	57.75	0.000
55.15	0.000	57.80	0.000
55.20	0.000	57.85	0.000
55.25	0.000		
55.30	0.000		
55.35	0.000		
55.40	0.000		
55.45	0.000		
55.50	0.000		
55.55	0.000		
55.60	0.000		
55.65	0.000		
55.70	0.000		
55.75	0.000		
55.80	0.000		
55.85	0.000		
55.90	0.000		
55.95	0.000		
56.00	0.000		
56.05	0.000		
56.10	0.000		
56.15	0.000		
56.20	0.000		
56.25	0.000		
56.30	0.000		
56.35	0.000		
56.40	0.000		
56.45	0.000		
56.50	0.000		
56.55	0.000		

Summary for Pond 151P: CB 22

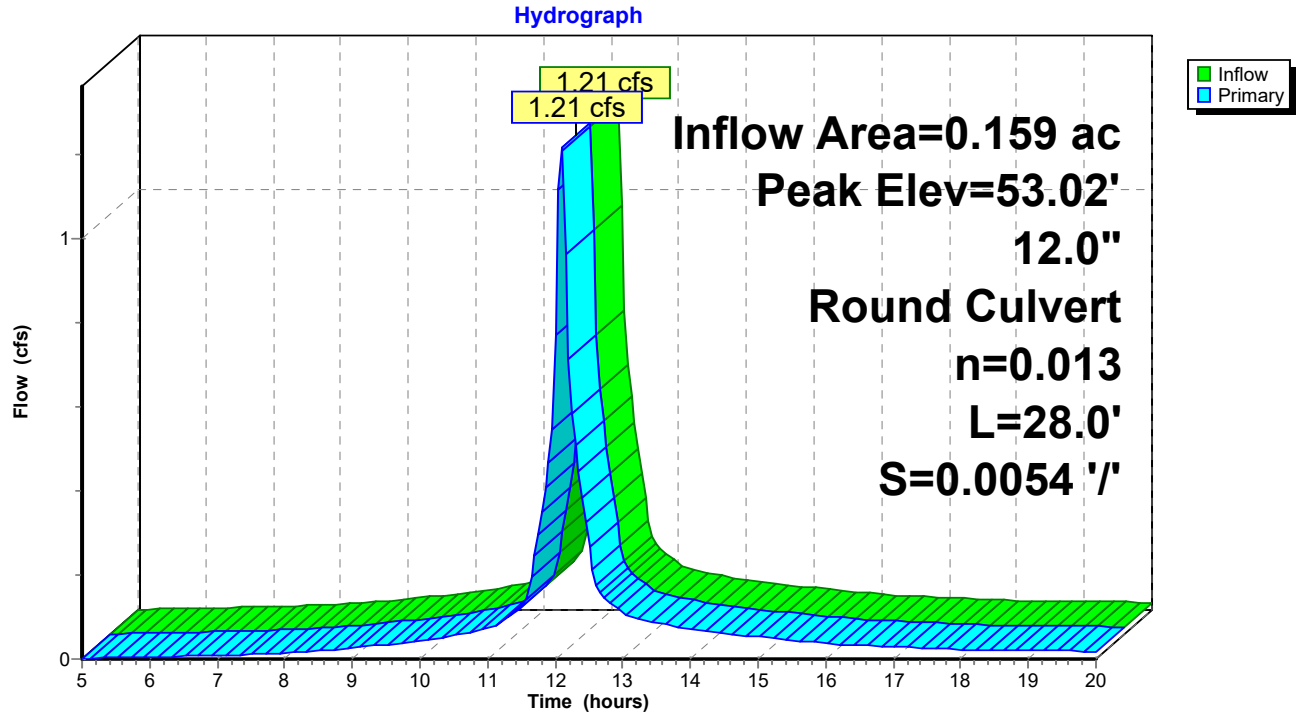
Inflow Area = 0.159 ac, 74.64% Impervious, Inflow Depth > 6.50" for 100-Year event
Inflow = 1.21 cfs @ 12.09 hrs, Volume= 0.086 af
Outflow = 1.21 cfs @ 12.09 hrs, Volume= 0.086 af, Atten= 0%, Lag= 0.0 min
Primary = 1.21 cfs @ 12.09 hrs, Volume= 0.086 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.02' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.30'	**12.0" Round Culvert** L= 28.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.30' / 52.15' S= 0.0054 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.18 cfs @ 12.09 hrs HW=53.01' (Free Discharge)
1=Culvert (Barrel Controls 1.18 cfs @ 2.78 fps)

Pond 151P: CB 22



Stage-Area-Storage for Pond 151P: CB 22

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.30	**0.000**	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000	53.17	0.000
52.65	0.000	53.18	0.000
52.66	0.000	53.19	0.000
52.67	0.000	53.20	0.000
52.68	0.000	53.21	0.000
52.69	0.000	53.22	0.000
52.70	0.000	53.23	0.000
52.71	0.000	53.24	0.000
52.72	0.000	53.25	0.000
52.73	0.000	53.26	0.000
52.74	0.000	53.27	0.000
52.75	0.000	53.28	0.000
52.76	0.000	53.29	0.000
52.77	0.000	53.30	0.000
52.78	0.000		
52.79	0.000		
52.80	0.000		
52.81	0.000		
52.82	0.000		

Summary for Pond 152P: CB 23

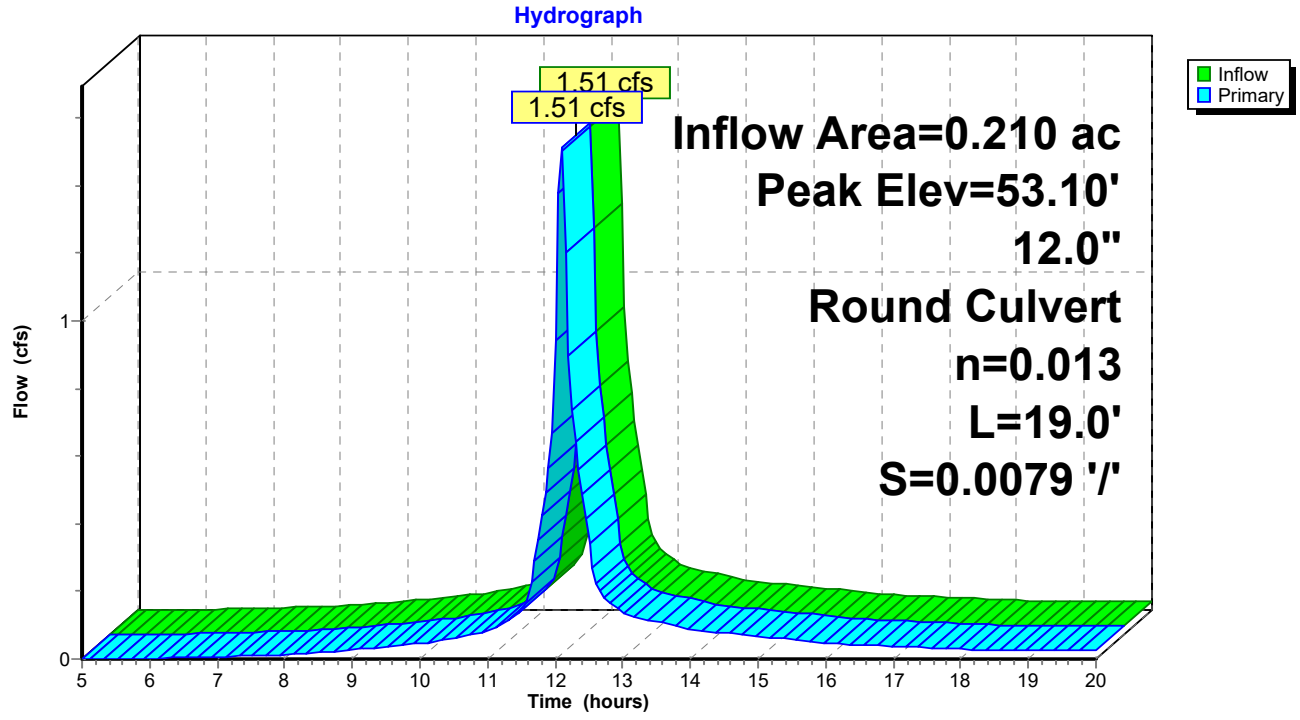
Inflow Area = 0.210 ac, 67.61% Impervious, Inflow Depth > 6.02" for 100-Year event
Inflow = 1.51 cfs @ 12.09 hrs, Volume= 0.105 af
Outflow = 1.51 cfs @ 12.09 hrs, Volume= 0.105 af, Atten= 0%, Lag= 0.0 min
Primary = 1.51 cfs @ 12.09 hrs, Volume= 0.105 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.10' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.30'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.30' / 52.15' S= 0.0079 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.47 cfs @ 12.09 hrs HW=53.09' (Free Discharge)
1=Culvert (Barrel Controls 1.47 cfs @ 3.04 fps)

Pond 152P: CB 23



Stage-Area-Storage for Pond 152P: CB 23

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.30	**0.000**	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000	52.91	0.000
52.39	0.000	52.92	0.000
52.40	0.000	52.93	0.000
52.41	0.000	52.94	0.000
52.42	0.000	52.95	0.000
52.43	0.000	52.96	0.000
52.44	0.000	52.97	0.000
52.45	0.000	52.98	0.000
52.46	0.000	52.99	0.000
52.47	0.000	53.00	0.000
52.48	0.000	53.01	0.000
52.49	0.000	53.02	0.000
52.50	0.000	53.03	0.000
52.51	0.000	53.04	0.000
52.52	0.000	53.05	0.000
52.53	0.000	53.06	0.000
52.54	0.000	53.07	0.000
52.55	0.000	53.08	0.000
52.56	0.000	53.09	0.000
52.57	0.000	53.10	0.000
52.58	0.000	53.11	0.000
52.59	0.000	53.12	0.000
52.60	0.000	53.13	0.000
52.61	0.000	53.14	0.000
52.62	0.000	53.15	0.000
52.63	0.000	53.16	0.000
52.64	0.000	53.17	0.000
52.65	0.000	53.18	0.000
52.66	0.000	53.19	0.000
52.67	0.000	53.20	0.000
52.68	0.000	53.21	0.000
52.69	0.000	53.22	0.000
52.70	0.000	53.23	0.000
52.71	0.000	53.24	0.000
52.72	0.000	53.25	0.000
52.73	0.000	53.26	0.000
52.74	0.000	53.27	0.000
52.75	0.000	53.28	0.000
52.76	0.000	53.29	0.000
52.77	0.000	53.30	0.000
52.78	0.000		
52.79	0.000		
52.80	0.000		
52.81	0.000		
52.82	0.000		

Summary for Pond 153P: DMH 17

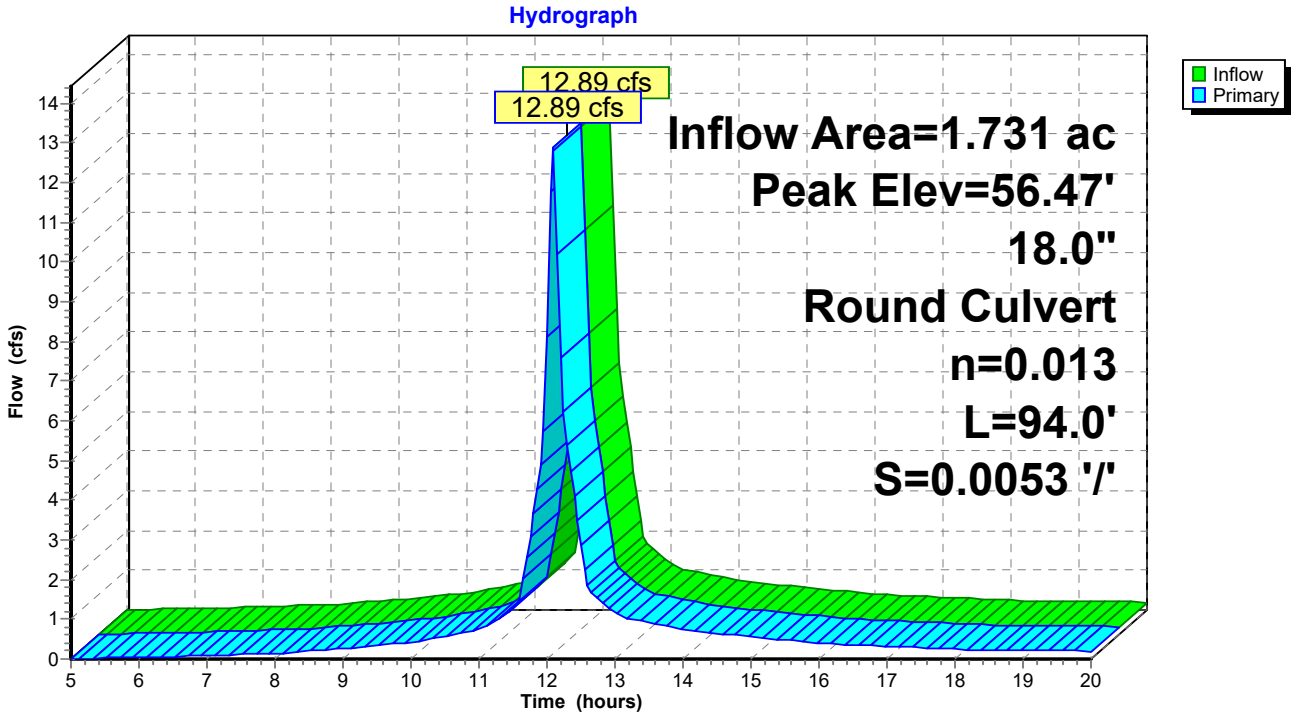
Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 6.32" for 100-Year event
Inflow = 12.89 cfs @ 12.09 hrs, Volume= 0.912 af
Outflow = 12.89 cfs @ 12.09 hrs, Volume= 0.912 af, Atten= 0%, Lag= 0.0 min
Primary = 12.89 cfs @ 12.09 hrs, Volume= 0.912 af
Routed to Pond 204P : DMH 18

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.47' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.05'	**18.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.05' / 51.55' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=12.58 cfs @ 12.09 hrs HW=56.31' (Free Discharge)
1=Culvert (Inlet Controls 12.58 cfs @ 7.12 fps)

Pond 153P: DMH 17



Stage-Area-Storage for Pond 153P: DMH 17

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.05	**0.000**	54.70	0.000
52.10	0.000	54.75	0.000
52.15	0.000	54.80	0.000
52.20	0.000	54.85	0.000
52.25	0.000	54.90	0.000
52.30	0.000	54.95	0.000
52.35	0.000	55.00	0.000
52.40	0.000	55.05	0.000
52.45	0.000	55.10	0.000
52.50	0.000	55.15	0.000
52.55	0.000	55.20	0.000
52.60	0.000	55.25	0.000
52.65	0.000	55.30	0.000
52.70	0.000	55.35	0.000
52.75	0.000	55.40	0.000
52.80	0.000	55.45	0.000
52.85	0.000	55.50	0.000
52.90	0.000	55.55	0.000
52.95	0.000	55.60	0.000
53.00	0.000	55.65	0.000
53.05	0.000	55.70	0.000
53.10	0.000	55.75	0.000
53.15	0.000	55.80	0.000
53.20	0.000	55.85	0.000
53.25	0.000	55.90	0.000
53.30	0.000	55.95	0.000
53.35	0.000	56.00	0.000
53.40	0.000	56.05	0.000
53.45	0.000	56.10	0.000
53.50	0.000	56.15	0.000
53.55	0.000	56.20	0.000
53.60	0.000	56.25	0.000
53.65	0.000	56.30	0.000
53.70	0.000	56.35	0.000
53.75	0.000	56.40	0.000
53.80	0.000	56.45	0.000
53.85	0.000		
53.90	0.000		
53.95	0.000		
54.00	0.000		
54.05	0.000		
54.10	0.000		
54.15	0.000		
54.20	0.000		
54.25	0.000		
54.30	0.000		
54.35	0.000		
54.40	0.000		
54.45	0.000		
54.50	0.000		
54.55	0.000		
54.60	0.000		
54.65	0.000		

Summary for Pond 154P: CB 18

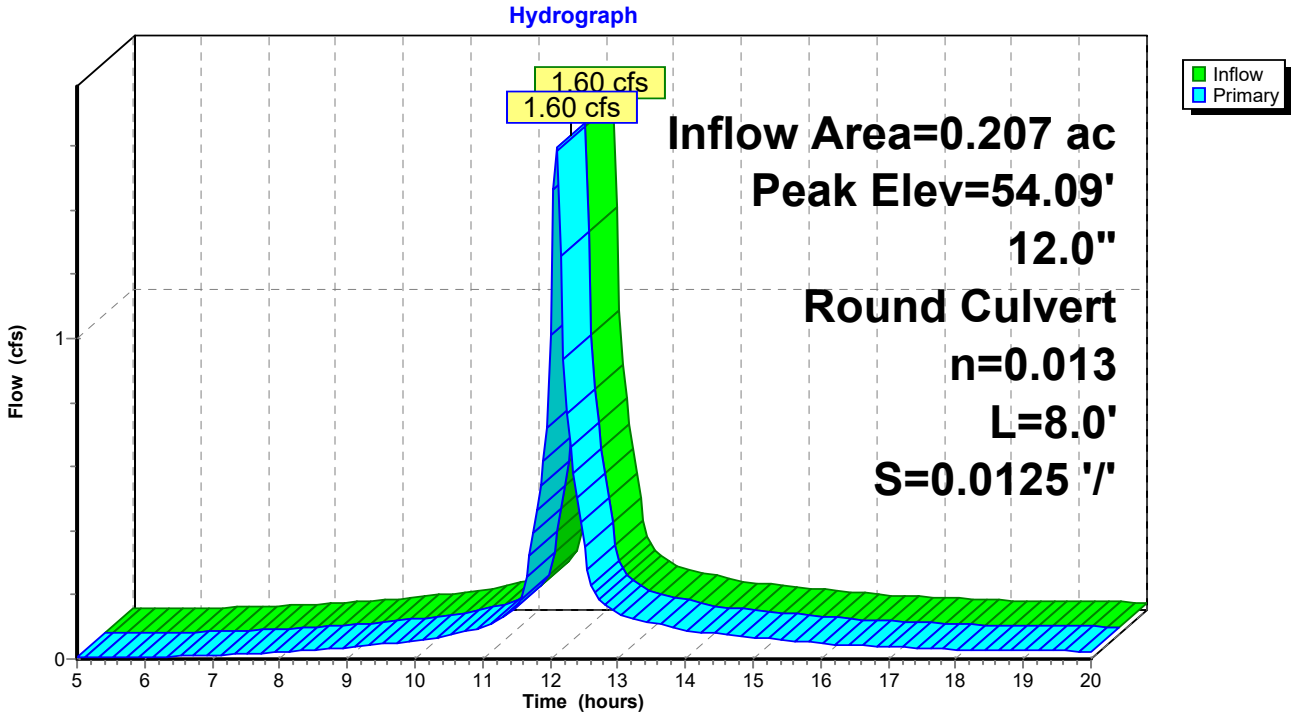
Inflow Area = 0.207 ac, 76.76% Impervious, Inflow Depth > 6.62" for 100-Year event
Inflow = 1.60 cfs @ 12.09 hrs, Volume= 0.114 af
Outflow = 1.60 cfs @ 12.09 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min
Primary = 1.60 cfs @ 12.09 hrs, Volume= 0.114 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.09' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.25'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.25' / 53.15' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.56 cfs @ 12.09 hrs HW=54.08' (Free Discharge)
1=Culvert (Barrel Controls 1.56 cfs @ 3.05 fps)

Pond 154P: CB 18



Stage-Area-Storage for Pond 154P: CB 18

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.25	**0.000**	53.78	0.000
53.26	0.000	53.79	0.000
53.27	0.000	53.80	0.000
53.28	0.000	53.81	0.000
53.29	0.000	53.82	0.000
53.30	0.000	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000		
53.74	0.000		
53.75	0.000		
53.76	0.000		
53.77	0.000		

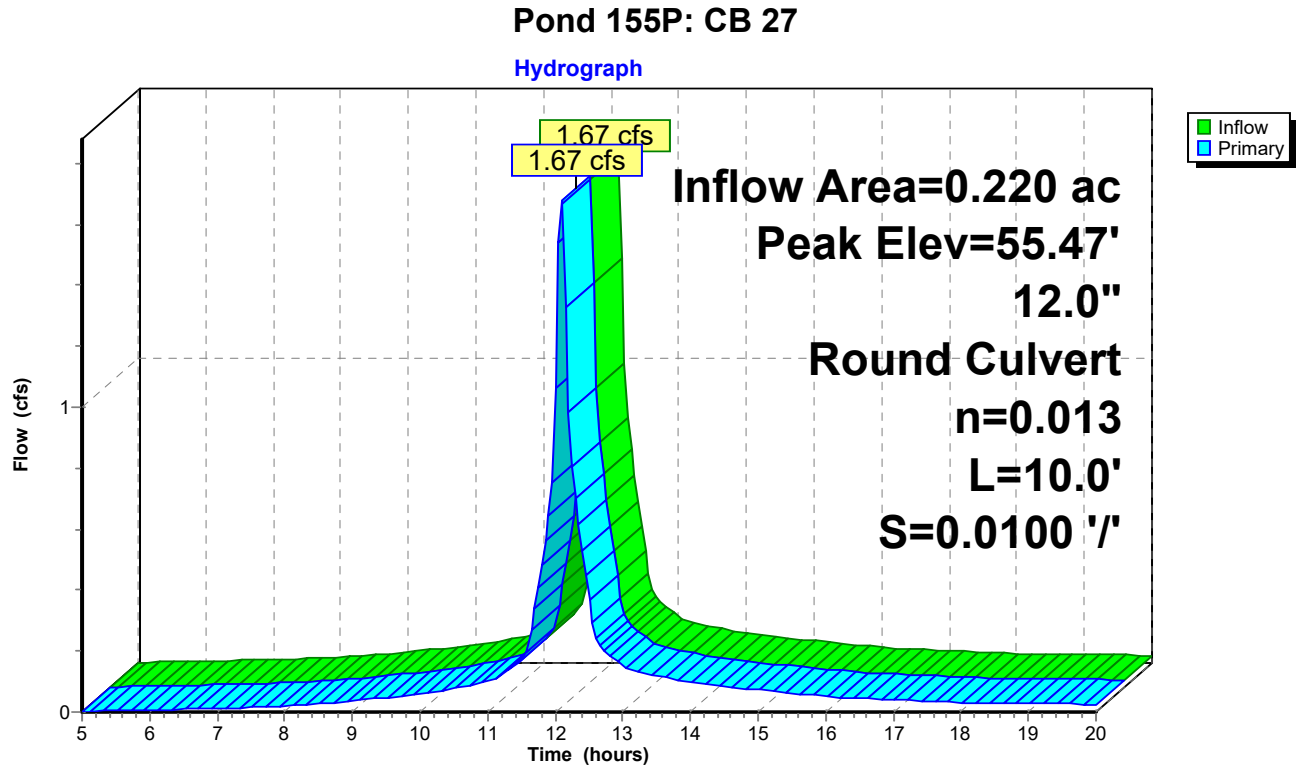
Summary for Pond 155P: CB 27

Inflow Area = 0.220 ac, 74.64% Impervious, Inflow Depth > 6.50" for 100-Year event
Inflow = 1.67 cfs @ 12.09 hrs, Volume= 0.119 af
Outflow = 1.67 cfs @ 12.09 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.67 cfs @ 12.09 hrs, Volume= 0.119 af
Routed to Pond 157P : DMH 21

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.47' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.63 cfs @ 12.09 hrs HW=55.46' (Free Discharge)
1=Culvert (Barrel Controls 1.63 cfs @ 3.06 fps)



Stage-Area-Storage for Pond 155P: CB 27

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 156P: CB 26

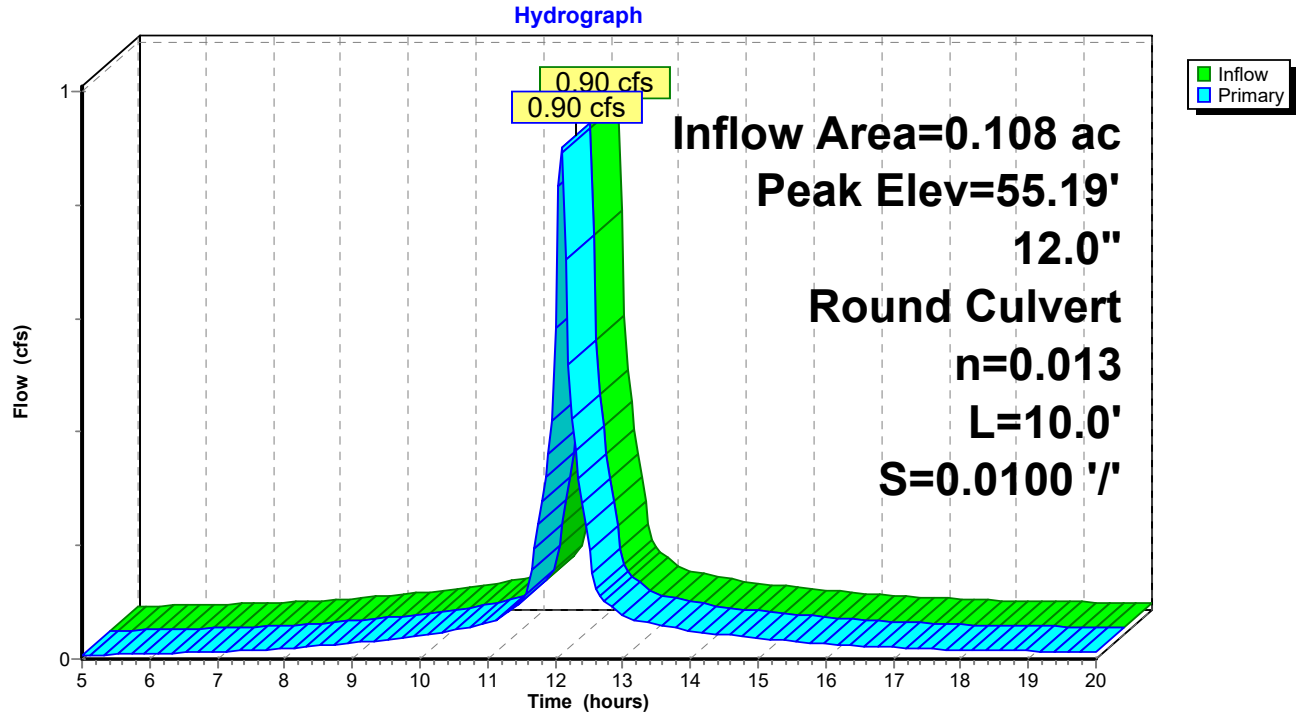
Inflow Area = 0.108 ac, 90.07% Impervious, Inflow Depth > 7.50" for 100-Year event
Inflow = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af
Outflow = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af, Atten= 0%, Lag= 0.0 min
Primary = 0.90 cfs @ 12.09 hrs, Volume= 0.067 af
Routed to Pond 157P : DMH 21

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.60'	**12.0" Round Culvert** L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.60' / 54.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.88 cfs @ 12.09 hrs HW=55.18' (Free Discharge)
1=Culvert (Barrel Controls 0.88 cfs @ 2.65 fps)

Pond 156P: CB 26



Stage-Area-Storage for Pond 156P: CB 26

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.60	**0.000**	55.13	0.000
54.61	0.000	55.14	0.000
54.62	0.000	55.15	0.000
54.63	0.000	55.16	0.000
54.64	0.000	55.17	0.000
54.65	0.000	55.18	0.000
54.66	0.000	55.19	0.000
54.67	0.000	55.20	0.000
54.68	0.000	55.21	0.000
54.69	0.000	55.22	0.000
54.70	0.000	55.23	0.000
54.71	0.000	55.24	0.000
54.72	0.000	55.25	0.000
54.73	0.000	55.26	0.000
54.74	0.000	55.27	0.000
54.75	0.000	55.28	0.000
54.76	0.000	55.29	0.000
54.77	0.000	55.30	0.000
54.78	0.000	55.31	0.000
54.79	0.000	55.32	0.000
54.80	0.000	55.33	0.000
54.81	0.000	55.34	0.000
54.82	0.000	55.35	0.000
54.83	0.000	55.36	0.000
54.84	0.000	55.37	0.000
54.85	0.000	55.38	0.000
54.86	0.000	55.39	0.000
54.87	0.000	55.40	0.000
54.88	0.000	55.41	0.000
54.89	0.000	55.42	0.000
54.90	0.000	55.43	0.000
54.91	0.000	55.44	0.000
54.92	0.000	55.45	0.000
54.93	0.000	55.46	0.000
54.94	0.000	55.47	0.000
54.95	0.000	55.48	0.000
54.96	0.000	55.49	0.000
54.97	0.000	55.50	0.000
54.98	0.000	55.51	0.000
54.99	0.000	55.52	0.000
55.00	0.000	55.53	0.000
55.01	0.000	55.54	0.000
55.02	0.000	55.55	0.000
55.03	0.000	55.56	0.000
55.04	0.000	55.57	0.000
55.05	0.000	55.58	0.000
55.06	0.000	55.59	0.000
55.07	0.000	55.60	0.000
55.08	0.000		
55.09	0.000		
55.10	0.000		
55.11	0.000		
55.12	0.000		

Summary for Pond 157P: DMH 21

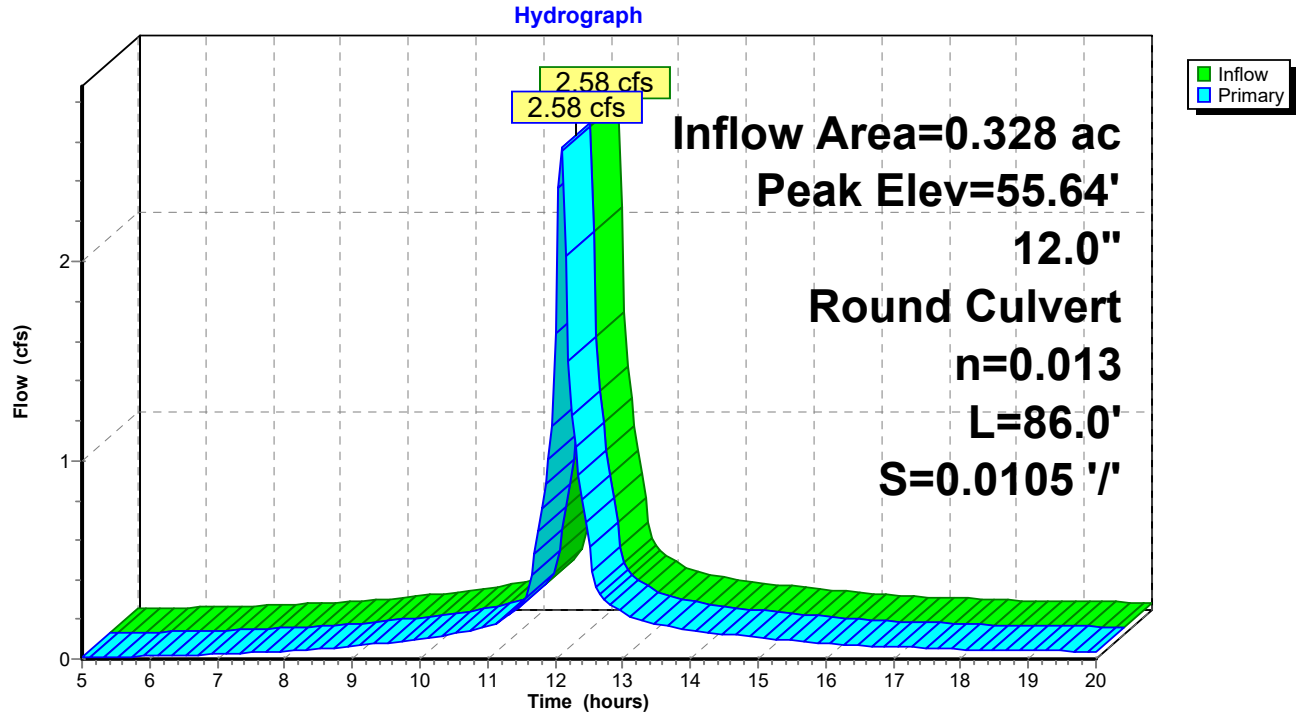
Inflow Area = 0.328 ac, 79.72% Impervious, Inflow Depth > 6.83" for 100-Year event
Inflow = 2.58 cfs @ 12.09 hrs, Volume= 0.186 af
Outflow = 2.58 cfs @ 12.09 hrs, Volume= 0.186 af, Atten= 0%, Lag= 0.0 min
Primary = 2.58 cfs @ 12.09 hrs, Volume= 0.186 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.64' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.40'	**12.0" Round Culvert** L= 86.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.40' / 53.50' S= 0.0105 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.51 cfs @ 12.09 hrs HW=55.61' (Free Discharge)
1=Culvert (Inlet Controls 2.51 cfs @ 3.20 fps)

Pond 157P: DMH 21



Stage-Area-Storage for Pond 157P: DMH 21

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.40	**0.000**	54.93	0.000	55.46	0.000
54.41	0.000	54.94	0.000	55.47	0.000
54.42	0.000	54.95	0.000	55.48	0.000
54.43	0.000	54.96	0.000	55.49	0.000
54.44	0.000	54.97	0.000	55.50	0.000
54.45	0.000	54.98	0.000	55.51	0.000
54.46	0.000	54.99	0.000	55.52	0.000
54.47	0.000	55.00	0.000	55.53	0.000
54.48	0.000	55.01	0.000	55.54	0.000
54.49	0.000	55.02	0.000	55.55	0.000
54.50	0.000	55.03	0.000	55.56	0.000
54.51	0.000	55.04	0.000	55.57	0.000
54.52	0.000	55.05	0.000	55.58	0.000
54.53	0.000	55.06	0.000	55.59	0.000
54.54	0.000	55.07	0.000	55.60	0.000
54.55	0.000	55.08	0.000	55.61	0.000
54.56	0.000	55.09	0.000	55.62	0.000
54.57	0.000	55.10	0.000	55.63	0.000
54.58	0.000	55.11	0.000	55.64	0.000
54.59	0.000	55.12	0.000		
54.60	0.000	55.13	0.000		
54.61	0.000	55.14	0.000		
54.62	0.000	55.15	0.000		
54.63	0.000	55.16	0.000		
54.64	0.000	55.17	0.000		
54.65	0.000	55.18	0.000		
54.66	0.000	55.19	0.000		
54.67	0.000	55.20	0.000		
54.68	0.000	55.21	0.000		
54.69	0.000	55.22	0.000		
54.70	0.000	55.23	0.000		
54.71	0.000	55.24	0.000		
54.72	0.000	55.25	0.000		
54.73	0.000	55.26	0.000		
54.74	0.000	55.27	0.000		
54.75	0.000	55.28	0.000		
54.76	0.000	55.29	0.000		
54.77	0.000	55.30	0.000		
54.78	0.000	55.31	0.000		
54.79	0.000	55.32	0.000		
54.80	0.000	55.33	0.000		
54.81	0.000	55.34	0.000		
54.82	0.000	55.35	0.000		
54.83	0.000	55.36	0.000		
54.84	0.000	55.37	0.000		
54.85	0.000	55.38	0.000		
54.86	0.000	55.39	0.000		
54.87	0.000	55.40	0.000		
54.88	0.000	55.41	0.000		
54.89	0.000	55.42	0.000		
54.90	0.000	55.43	0.000		
54.91	0.000	55.44	0.000		
54.92	0.000	55.45	0.000		

Summary for Pond 158P: CB 24

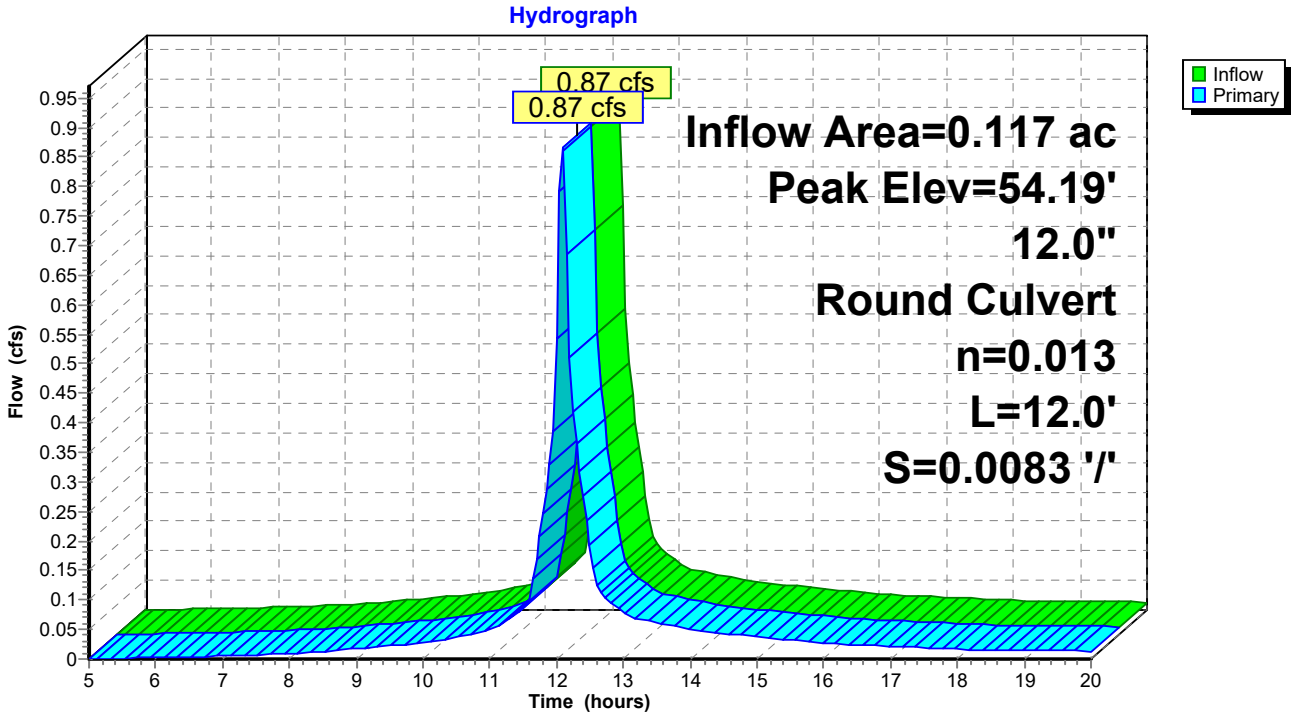
Inflow Area = 0.117 ac, 70.43% Impervious, Inflow Depth > 6.26" for 100-Year event
Inflow = 0.87 cfs @ 12.09 hrs, Volume= 0.061 af
Outflow = 0.87 cfs @ 12.09 hrs, Volume= 0.061 af, Atten= 0%, Lag= 0.0 min
Primary = 0.87 cfs @ 12.09 hrs, Volume= 0.061 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.60'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 53.50' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.85 cfs @ 12.09 hrs HW=54.18' (Free Discharge)
1=Culvert (Barrel Controls 0.85 cfs @ 2.60 fps)

Pond 158P: CB 24



Stage-Area-Storage for Pond 158P: CB 24

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.60	**0.000**	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000		
54.09	0.000		
54.10	0.000		
54.11	0.000		
54.12	0.000		

Summary for Pond 159P: CB 25

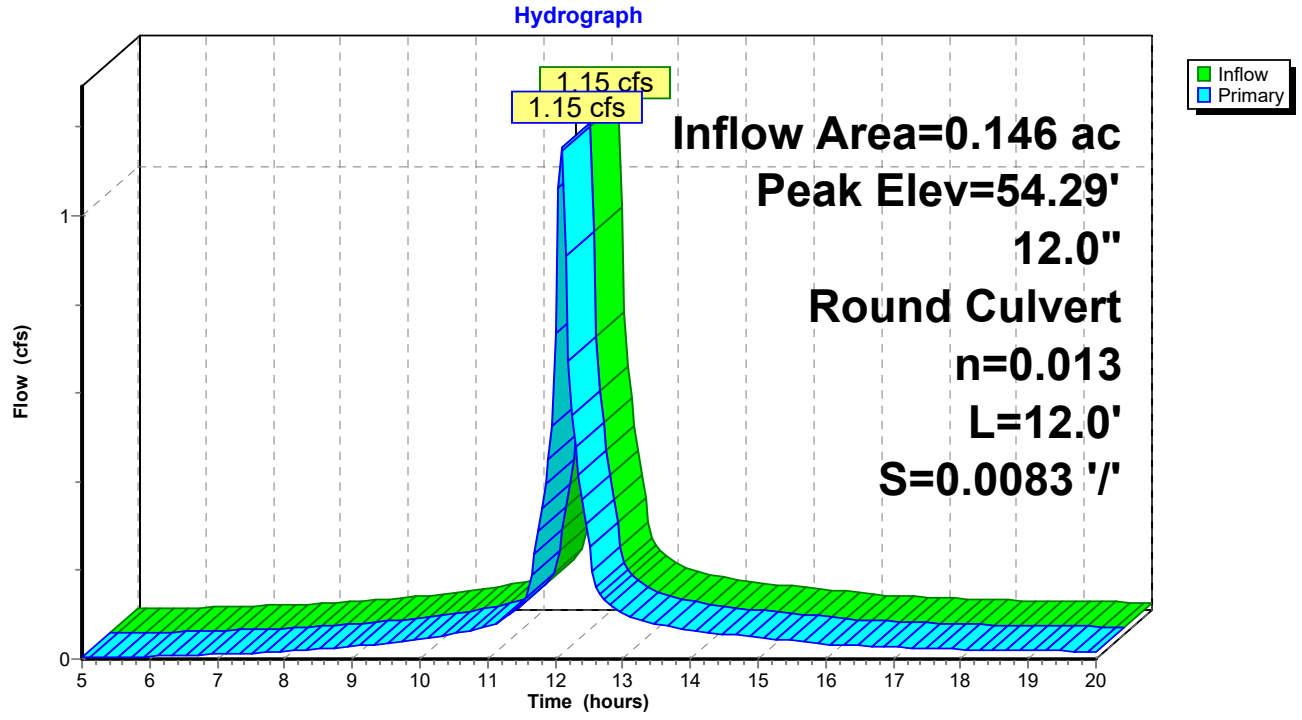
Inflow Area = 0.146 ac, 79.60% Impervious, Inflow Depth > 6.85" for 100-Year event
Inflow = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af
Outflow = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af, Atten= 0%, Lag= 0.0 min
Primary = 1.15 cfs @ 12.09 hrs, Volume= 0.083 af
Routed to Pond 160P : DMH 20

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.29' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.60'	**12.0" Round Culvert** L= 12.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 53.50' S= 0.0083 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.12 cfs @ 12.09 hrs HW=54.28' (Free Discharge)
1=Culvert (Barrel Controls 1.12 cfs @ 2.77 fps)

Pond 159P: CB 25



Stage-Area-Storage for Pond 159P: CB 25

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.60	**0.000**	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000	54.26	0.000
53.74	0.000	54.27	0.000
53.75	0.000	54.28	0.000
53.76	0.000	54.29	0.000
53.77	0.000	54.30	0.000
53.78	0.000	54.31	0.000
53.79	0.000	54.32	0.000
53.80	0.000	54.33	0.000
53.81	0.000	54.34	0.000
53.82	0.000	54.35	0.000
53.83	0.000	54.36	0.000
53.84	0.000	54.37	0.000
53.85	0.000	54.38	0.000
53.86	0.000	54.39	0.000
53.87	0.000	54.40	0.000
53.88	0.000	54.41	0.000
53.89	0.000	54.42	0.000
53.90	0.000	54.43	0.000
53.91	0.000	54.44	0.000
53.92	0.000	54.45	0.000
53.93	0.000	54.46	0.000
53.94	0.000	54.47	0.000
53.95	0.000	54.48	0.000
53.96	0.000	54.49	0.000
53.97	0.000	54.50	0.000
53.98	0.000	54.51	0.000
53.99	0.000	54.52	0.000
54.00	0.000	54.53	0.000
54.01	0.000	54.54	0.000
54.02	0.000	54.55	0.000
54.03	0.000	54.56	0.000
54.04	0.000	54.57	0.000
54.05	0.000	54.58	0.000
54.06	0.000	54.59	0.000
54.07	0.000	54.60	0.000
54.08	0.000		
54.09	0.000		
54.10	0.000		
54.11	0.000		
54.12	0.000		

Summary for Pond 160P: DMH 20

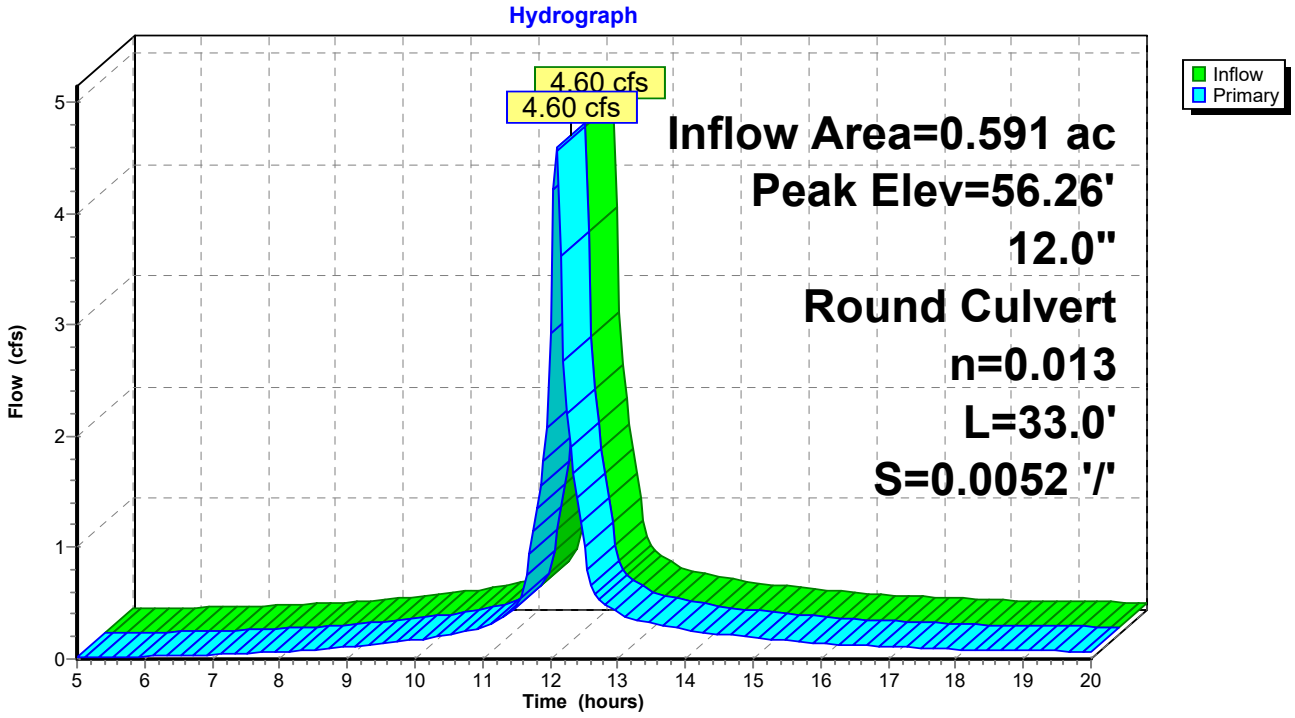
Inflow Area = 0.591 ac, 77.85% Impervious, Inflow Depth > 6.72" for 100-Year event
Inflow = 4.60 cfs @ 12.09 hrs, Volume= 0.331 af
Outflow = 4.60 cfs @ 12.09 hrs, Volume= 0.331 af, Atten= 0%, Lag= 0.0 min
Primary = 4.60 cfs @ 12.09 hrs, Volume= 0.331 af
Routed to Pond 161P : DMH 19

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.26' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.40'	**12.0" Round Culvert** L= 33.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.40' / 53.23' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.48 cfs @ 12.09 hrs HW=56.15' (Free Discharge)
1=Culvert (Inlet Controls 4.48 cfs @ 5.71 fps)

Pond 160P: DMH 20



Stage-Area-Storage for Pond 160P: DMH 20

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.40	**0.000**	54.46	0.000	55.52	0.000
53.42	0.000	54.48	0.000	55.54	0.000
53.44	0.000	54.50	0.000	55.56	0.000
53.46	0.000	54.52	0.000	55.58	0.000
53.48	0.000	54.54	0.000	55.60	0.000
53.50	0.000	54.56	0.000	55.62	0.000
53.52	0.000	54.58	0.000	55.64	0.000
53.54	0.000	54.60	0.000	55.66	0.000
53.56	0.000	54.62	0.000	55.68	0.000
53.58	0.000	54.64	0.000	55.70	0.000
53.60	0.000	54.66	0.000	55.72	0.000
53.62	0.000	54.68	0.000	55.74	0.000
53.64	0.000	54.70	0.000	55.76	0.000
53.66	0.000	54.72	0.000	55.78	0.000
53.68	0.000	54.74	0.000	55.80	0.000
53.70	0.000	54.76	0.000	55.82	0.000
53.72	0.000	54.78	0.000	55.84	0.000
53.74	0.000	54.80	0.000	55.86	0.000
53.76	0.000	54.82	0.000	55.88	0.000
53.78	0.000	54.84	0.000	55.90	0.000
53.80	0.000	54.86	0.000	55.92	0.000
53.82	0.000	54.88	0.000	55.94	0.000
53.84	0.000	54.90	0.000	55.96	0.000
53.86	0.000	54.92	0.000	55.98	0.000
53.88	0.000	54.94	0.000	56.00	0.000
53.90	0.000	54.96	0.000	56.02	0.000
53.92	0.000	54.98	0.000	56.04	0.000
53.94	0.000	55.00	0.000	56.06	0.000
53.96	0.000	55.02	0.000	56.08	0.000
53.98	0.000	55.04	0.000	56.10	0.000
54.00	0.000	55.06	0.000	56.12	0.000
54.02	0.000	55.08	0.000	56.14	0.000
54.04	0.000	55.10	0.000	56.16	0.000
54.06	0.000	55.12	0.000	56.18	0.000
54.08	0.000	55.14	0.000	56.20	0.000
54.10	0.000	55.16	0.000	56.22	0.000
54.12	0.000	55.18	0.000	56.24	0.000
54.14	0.000	55.20	0.000		
54.16	0.000	55.22	0.000		
54.18	0.000	55.24	0.000		
54.20	0.000	55.26	0.000		
54.22	0.000	55.28	0.000		
54.24	0.000	55.30	0.000		
54.26	0.000	55.32	0.000		
54.28	0.000	55.34	0.000		
54.30	0.000	55.36	0.000		
54.32	0.000	55.38	0.000		
54.34	0.000	55.40	0.000		
54.36	0.000	55.42	0.000		
54.38	0.000	55.44	0.000		
54.40	0.000	55.46	0.000		
54.42	0.000	55.48	0.000		
54.44	0.000	55.50	0.000		

Summary for Pond 161P: DMH 19

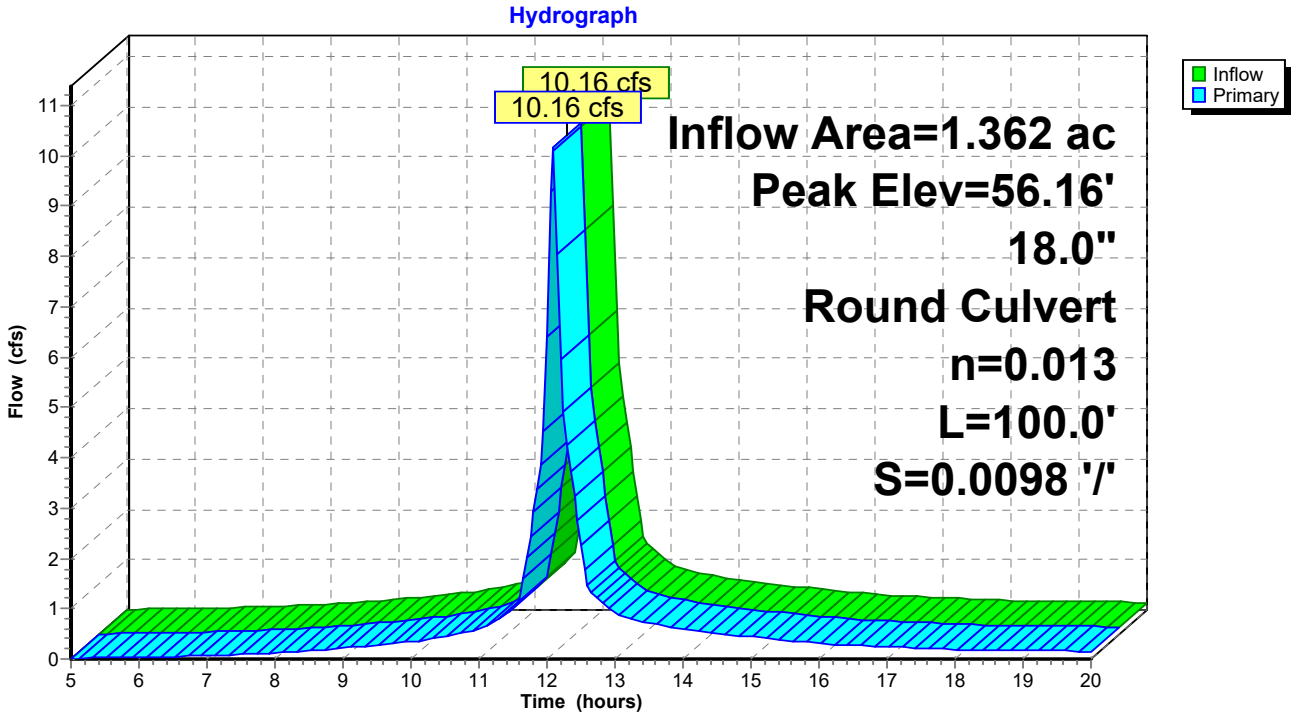
Inflow Area = 1.362 ac, 71.82% Impervious, Inflow Depth > 6.34" for 100-Year event
Inflow = 10.16 cfs @ 12.09 hrs, Volume= 0.720 af
Outflow = 10.16 cfs @ 12.09 hrs, Volume= 0.720 af, Atten= 0%, Lag= 0.0 min
Primary = 10.16 cfs @ 12.09 hrs, Volume= 0.720 af
Routed to Pond 153P : DMH 17

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.16' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.13'	**18.0" Round Culvert** L= 100.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.13' / 52.15' S= 0.0098 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=9.92 cfs @ 12.09 hrs HW=56.06' (Free Discharge)
1=Culvert (Inlet Controls 9.92 cfs @ 5.62 fps)

Pond 161P: DMH 19



Stage-Area-Storage for Pond 161P: DMH 19

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.13	**0.000**	54.19	0.000	55.25	0.000
53.15	0.000	54.21	0.000	55.27	0.000
53.17	0.000	54.23	0.000	55.29	0.000
53.19	0.000	54.25	0.000	55.31	0.000
53.21	0.000	54.27	0.000	55.33	0.000
53.23	0.000	54.29	0.000	55.35	0.000
53.25	0.000	54.31	0.000	55.37	0.000
53.27	0.000	54.33	0.000	55.39	0.000
53.29	0.000	54.35	0.000	55.41	0.000
53.31	0.000	54.37	0.000	55.43	0.000
53.33	0.000	54.39	0.000	55.45	0.000
53.35	0.000	54.41	0.000	55.47	0.000
53.37	0.000	54.43	0.000	55.49	0.000
53.39	0.000	54.45	0.000	55.51	0.000
53.41	0.000	54.47	0.000	55.53	0.000
53.43	0.000	54.49	0.000	55.55	0.000
53.45	0.000	54.51	0.000	55.57	0.000
53.47	0.000	54.53	0.000	55.59	0.000
53.49	0.000	54.55	0.000	55.61	0.000
53.51	0.000	54.57	0.000	55.63	0.000
53.53	0.000	54.59	0.000	55.65	0.000
53.55	0.000	54.61	0.000	55.67	0.000
53.57	0.000	54.63	0.000	55.69	0.000
53.59	0.000	54.65	0.000	55.71	0.000
53.61	0.000	54.67	0.000	55.73	0.000
53.63	0.000	54.69	0.000	55.75	0.000
53.65	0.000	54.71	0.000	55.77	0.000
53.67	0.000	54.73	0.000	55.79	0.000
53.69	0.000	54.75	0.000	55.81	0.000
53.71	0.000	54.77	0.000	55.83	0.000
53.73	0.000	54.79	0.000	55.85	0.000
53.75	0.000	54.81	0.000	55.87	0.000
53.77	0.000	54.83	0.000	55.89	0.000
53.79	0.000	54.85	0.000	55.91	0.000
53.81	0.000	54.87	0.000	55.93	0.000
53.83	0.000	54.89	0.000	55.95	0.000
53.85	0.000	54.91	0.000	55.97	0.000
53.87	0.000	54.93	0.000	55.99	0.000
53.89	0.000	54.95	0.000	56.01	0.000
53.91	0.000	54.97	0.000	56.03	0.000
53.93	0.000	54.99	0.000	56.05	0.000
53.95	0.000	55.01	0.000	56.07	0.000
53.97	0.000	55.03	0.000	56.09	0.000
53.99	0.000	55.05	0.000	56.11	0.000
54.01	0.000	55.07	0.000	56.13	0.000
54.03	0.000	55.09	0.000	56.15	0.000
54.05	0.000	55.11	0.000		
54.07	0.000	55.13	0.000		
54.09	0.000	55.15	0.000		
54.11	0.000	55.17	0.000		
54.13	0.000	55.19	0.000		
54.15	0.000	55.21	0.000		
54.17	0.000	55.23	0.000		

Summary for Pond 162P: CB 15

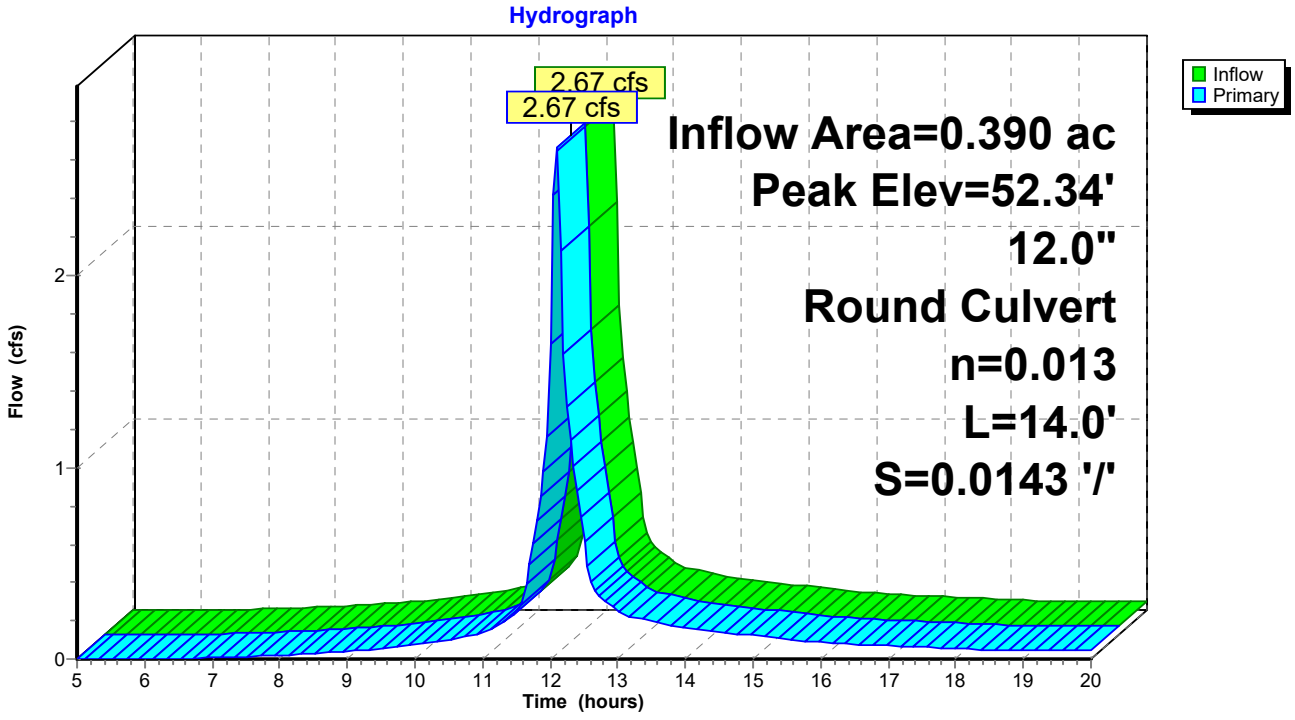
Inflow Area = 0.390 ac, 63.16% Impervious, Inflow Depth > 5.66" for 100-Year event
Inflow = 2.67 cfs @ 12.09 hrs, Volume= 0.184 af
Outflow = 2.67 cfs @ 12.09 hrs, Volume= 0.184 af, Atten= 0%, Lag= 0.0 min
Primary = 2.67 cfs @ 12.09 hrs, Volume= 0.184 af
Routed to Pond 180P : DMH 9

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.34' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.04'	**12.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.04' / 50.84' S= 0.0143 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.61 cfs @ 12.09 hrs HW=52.30' (Free Discharge)
1=Culvert (Inlet Controls 2.61 cfs @ 3.32 fps)

Pond 162P: CB 15



Stage-Area-Storage for Pond 162P: CB 15

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.04	**0.000**	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000	52.11	0.000
51.06	0.000	51.59	0.000	52.12	0.000
51.07	0.000	51.60	0.000	52.13	0.000
51.08	0.000	51.61	0.000	52.14	0.000
51.09	0.000	51.62	0.000	52.15	0.000
51.10	0.000	51.63	0.000	52.16	0.000
51.11	0.000	51.64	0.000	52.17	0.000
51.12	0.000	51.65	0.000	52.18	0.000
51.13	0.000	51.66	0.000	52.19	0.000
51.14	0.000	51.67	0.000	52.20	0.000
51.15	0.000	51.68	0.000	52.21	0.000
51.16	0.000	51.69	0.000	52.22	0.000
51.17	0.000	51.70	0.000	52.23	0.000
51.18	0.000	51.71	0.000	52.24	0.000
51.19	0.000	51.72	0.000	52.25	0.000
51.20	0.000	51.73	0.000	52.26	0.000
51.21	0.000	51.74	0.000	52.27	0.000
51.22	0.000	51.75	0.000	52.28	0.000
51.23	0.000	51.76	0.000	52.29	0.000
51.24	0.000	51.77	0.000	52.30	0.000
51.25	0.000	51.78	0.000	52.31	0.000
51.26	0.000	51.79	0.000	52.32	0.000
51.27	0.000	51.80	0.000	52.33	0.000
51.28	0.000	51.81	0.000	52.34	0.000
51.29	0.000	51.82	0.000		
51.30	0.000	51.83	0.000		
51.31	0.000	51.84	0.000		
51.32	0.000	51.85	0.000		
51.33	0.000	51.86	0.000		
51.34	0.000	51.87	0.000		
51.35	0.000	51.88	0.000		
51.36	0.000	51.89	0.000		
51.37	0.000	51.90	0.000		
51.38	0.000	51.91	0.000		
51.39	0.000	51.92	0.000		
51.40	0.000	51.93	0.000		
51.41	0.000	51.94	0.000		
51.42	0.000	51.95	0.000		
51.43	0.000	51.96	0.000		
51.44	0.000	51.97	0.000		
51.45	0.000	51.98	0.000		
51.46	0.000	51.99	0.000		
51.47	0.000	52.00	0.000		
51.48	0.000	52.01	0.000		
51.49	0.000	52.02	0.000		
51.50	0.000	52.03	0.000		
51.51	0.000	52.04	0.000		
51.52	0.000	52.05	0.000		
51.53	0.000	52.06	0.000		
51.54	0.000	52.07	0.000		
51.55	0.000	52.08	0.000		
51.56	0.000	52.09	0.000		

Summary for Pond 163P: CB 14

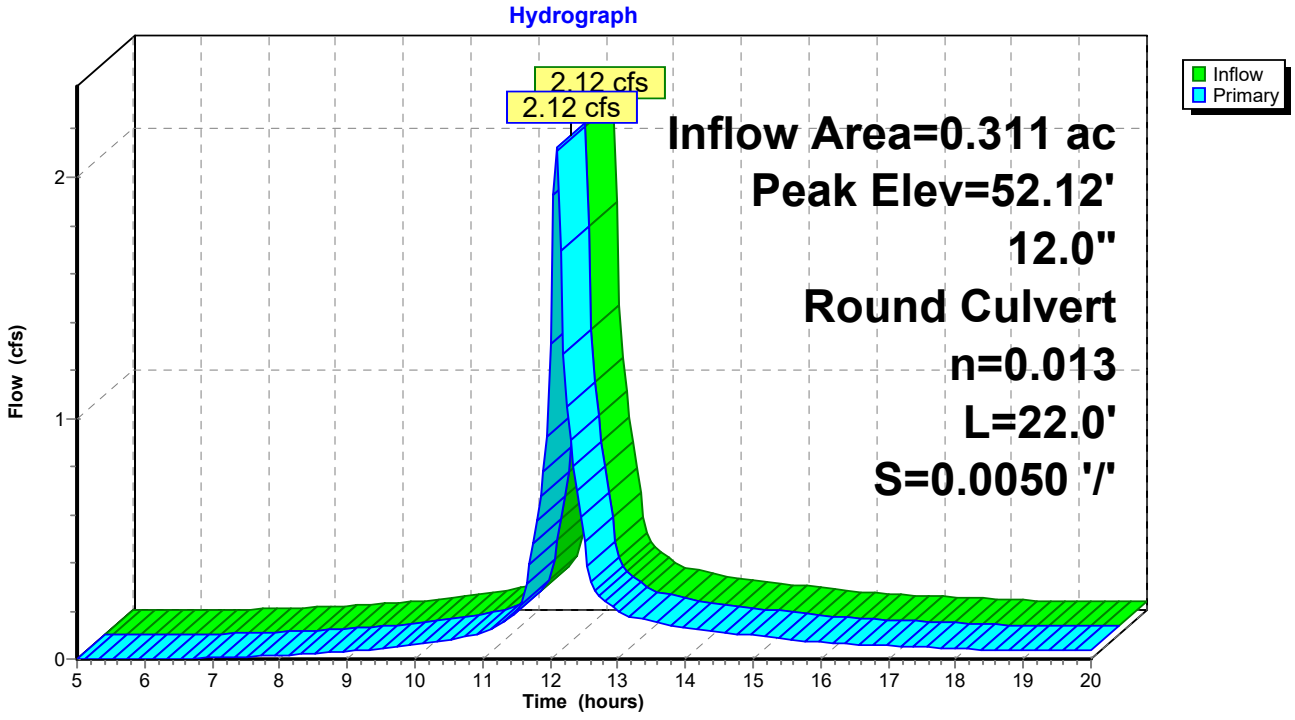
Inflow Area = 0.311 ac, 63.37% Impervious, Inflow Depth > 5.66" for 100-Year event
Inflow = 2.12 cfs @ 12.09 hrs, Volume= 0.147 af
Outflow = 2.12 cfs @ 12.09 hrs, Volume= 0.147 af, Atten= 0%, Lag= 0.0 min
Primary = 2.12 cfs @ 12.09 hrs, Volume= 0.147 af
Routed to Pond 180P : DMH 9

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.12' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.05'	**12.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 50.94' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.08 cfs @ 12.09 hrs HW=52.10' (Free Discharge)
1=Culvert (Barrel Controls 2.08 cfs @ 3.14 fps)

Pond 163P: CB 14



Stage-Area-Storage for Pond 163P: CB 14

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.05	**0.000**	51.58	0.000	52.11	0.000
51.06	0.000	51.59	0.000	52.12	0.000
51.07	0.000	51.60	0.000		
51.08	0.000	51.61	0.000		
51.09	0.000	51.62	0.000		
51.10	0.000	51.63	0.000		
51.11	0.000	51.64	0.000		
51.12	0.000	51.65	0.000		
51.13	0.000	51.66	0.000		
51.14	0.000	51.67	0.000		
51.15	0.000	51.68	0.000		
51.16	0.000	51.69	0.000		
51.17	0.000	51.70	0.000		
51.18	0.000	51.71	0.000		
51.19	0.000	51.72	0.000		
51.20	0.000	51.73	0.000		
51.21	0.000	51.74	0.000		
51.22	0.000	51.75	0.000		
51.23	0.000	51.76	0.000		
51.24	0.000	51.77	0.000		
51.25	0.000	51.78	0.000		
51.26	0.000	51.79	0.000		
51.27	0.000	51.80	0.000		
51.28	0.000	51.81	0.000		
51.29	0.000	51.82	0.000		
51.30	0.000	51.83	0.000		
51.31	0.000	51.84	0.000		
51.32	0.000	51.85	0.000		
51.33	0.000	51.86	0.000		
51.34	0.000	51.87	0.000		
51.35	0.000	51.88	0.000		
51.36	0.000	51.89	0.000		
51.37	0.000	51.90	0.000		
51.38	0.000	51.91	0.000		
51.39	0.000	51.92	0.000		
51.40	0.000	51.93	0.000		
51.41	0.000	51.94	0.000		
51.42	0.000	51.95	0.000		
51.43	0.000	51.96	0.000		
51.44	0.000	51.97	0.000		
51.45	0.000	51.98	0.000		
51.46	0.000	51.99	0.000		
51.47	0.000	52.00	0.000		
51.48	0.000	52.01	0.000		
51.49	0.000	52.02	0.000		
51.50	0.000	52.03	0.000		
51.51	0.000	52.04	0.000		
51.52	0.000	52.05	0.000		
51.53	0.000	52.06	0.000		
51.54	0.000	52.07	0.000		
51.55	0.000	52.08	0.000		
51.56	0.000	52.09	0.000		
51.57	0.000	52.10	0.000		

Summary for Pond 165P: CB 19

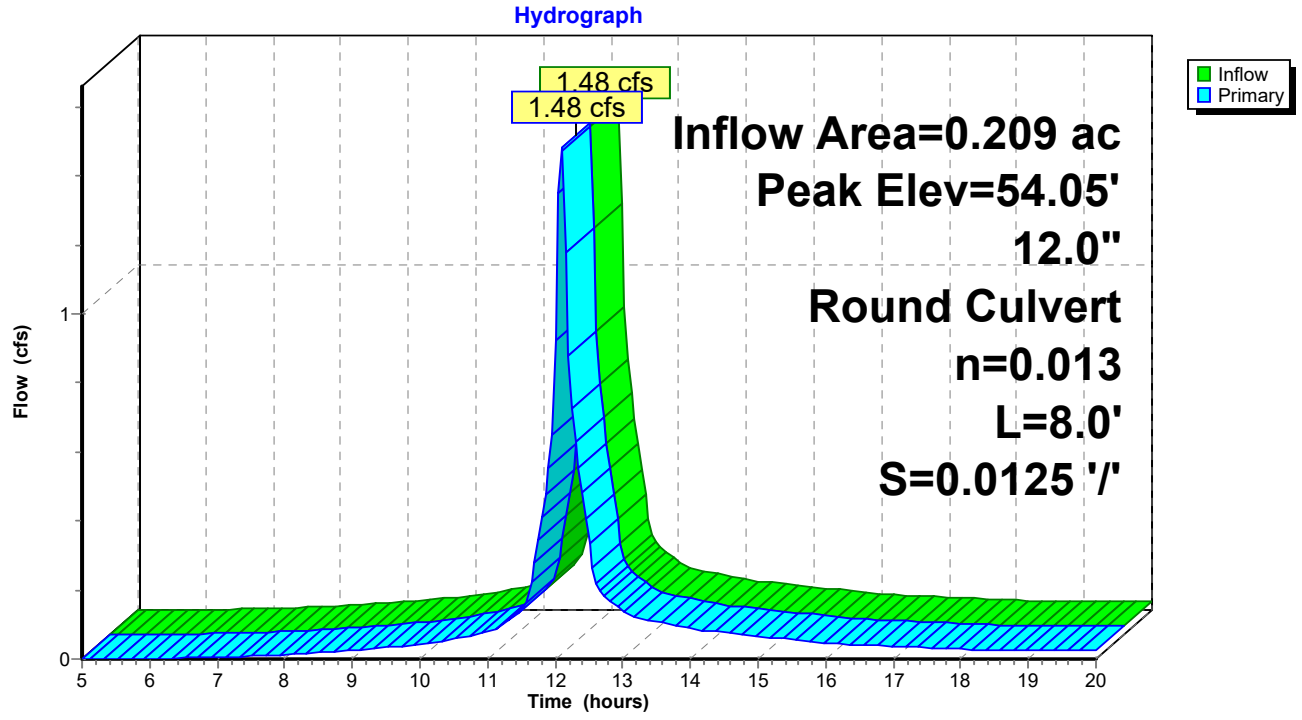
Inflow Area = 0.209 ac, 66.66% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	53.25'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.25' / 53.15' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.45 cfs @ 12.09 hrs HW=54.04' (Free Discharge)
1=Culvert (Barrel Controls 1.45 cfs @ 3.00 fps)

Pond 165P: CB 19



Stage-Area-Storage for Pond 165P: CB 19

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
53.25	**0.000**	53.78	0.000
53.26	0.000	53.79	0.000
53.27	0.000	53.80	0.000
53.28	0.000	53.81	0.000
53.29	0.000	53.82	0.000
53.30	0.000	53.83	0.000
53.31	0.000	53.84	0.000
53.32	0.000	53.85	0.000
53.33	0.000	53.86	0.000
53.34	0.000	53.87	0.000
53.35	0.000	53.88	0.000
53.36	0.000	53.89	0.000
53.37	0.000	53.90	0.000
53.38	0.000	53.91	0.000
53.39	0.000	53.92	0.000
53.40	0.000	53.93	0.000
53.41	0.000	53.94	0.000
53.42	0.000	53.95	0.000
53.43	0.000	53.96	0.000
53.44	0.000	53.97	0.000
53.45	0.000	53.98	0.000
53.46	0.000	53.99	0.000
53.47	0.000	54.00	0.000
53.48	0.000	54.01	0.000
53.49	0.000	54.02	0.000
53.50	0.000	54.03	0.000
53.51	0.000	54.04	0.000
53.52	0.000	54.05	0.000
53.53	0.000	54.06	0.000
53.54	0.000	54.07	0.000
53.55	0.000	54.08	0.000
53.56	0.000	54.09	0.000
53.57	0.000	54.10	0.000
53.58	0.000	54.11	0.000
53.59	0.000	54.12	0.000
53.60	0.000	54.13	0.000
53.61	0.000	54.14	0.000
53.62	0.000	54.15	0.000
53.63	0.000	54.16	0.000
53.64	0.000	54.17	0.000
53.65	0.000	54.18	0.000
53.66	0.000	54.19	0.000
53.67	0.000	54.20	0.000
53.68	0.000	54.21	0.000
53.69	0.000	54.22	0.000
53.70	0.000	54.23	0.000
53.71	0.000	54.24	0.000
53.72	0.000	54.25	0.000
53.73	0.000		
53.74	0.000		
53.75	0.000		
53.76	0.000		
53.77	0.000		

Summary for Pond 166P: DMH 13

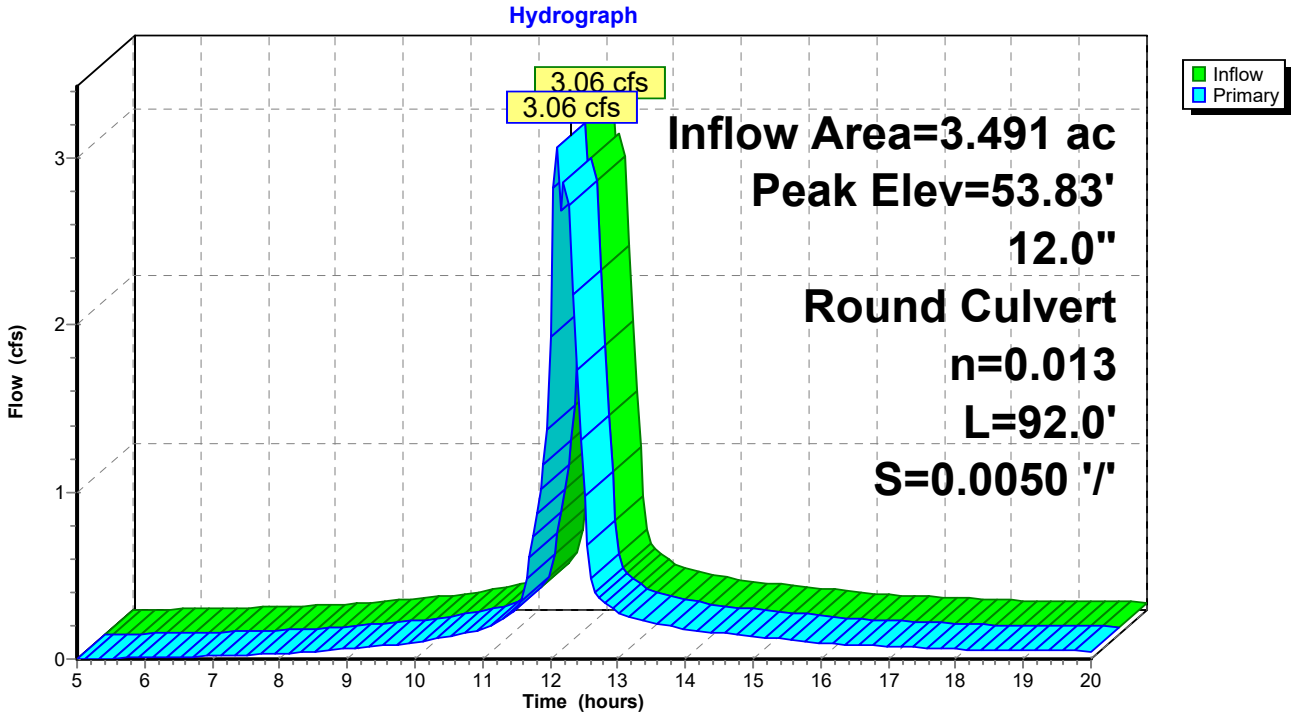
Inflow Area = 3.491 ac, 67.77% Impervious, Inflow Depth > 0.84" for 100-Year event
Inflow = 3.06 cfs @ 12.09 hrs, Volume= 0.245 af
Outflow = 3.06 cfs @ 12.09 hrs, Volume= 0.245 af, Atten= 0%, Lag= 0.0 min
Primary = 3.06 cfs @ 12.09 hrs, Volume= 0.245 af
Routed to Pond 169P : DMH 12

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.83' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.16'	**12.0" Round Culvert** L= 92.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.16' / 51.70' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.04 cfs @ 12.09 hrs HW=53.81' (Free Discharge)
1=Culvert (Barrel Controls 3.04 cfs @ 3.86 fps)

Pond 166P: DMH 13



Stage-Area-Storage for Pond 166P: DMH 13

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.16	**0.000**	53.22	0.000
52.18	0.000	53.24	0.000
52.20	0.000	53.26	0.000
52.22	0.000	53.28	0.000
52.24	0.000	53.30	0.000
52.26	0.000	53.32	0.000
52.28	0.000	53.34	0.000
52.30	0.000	53.36	0.000
52.32	0.000	53.38	0.000
52.34	0.000	53.40	0.000
52.36	0.000	53.42	0.000
52.38	0.000	53.44	0.000
52.40	0.000	53.46	0.000
52.42	0.000	53.48	0.000
52.44	0.000	53.50	0.000
52.46	0.000	53.52	0.000
52.48	0.000	53.54	0.000
52.50	0.000	53.56	0.000
52.52	0.000	53.58	0.000
52.54	0.000	53.60	0.000
52.56	0.000	53.62	0.000
52.58	0.000	53.64	0.000
52.60	0.000	53.66	0.000
52.62	0.000	53.68	0.000
52.64	0.000	53.70	0.000
52.66	0.000	53.72	0.000
52.68	0.000	53.74	0.000
52.70	0.000	53.76	0.000
52.72	0.000	53.78	0.000
52.74	0.000	53.80	0.000
52.76	0.000	53.82	0.000
52.78	0.000		
52.80	0.000		
52.82	0.000		
52.84	0.000		
52.86	0.000		
52.88	0.000		
52.90	0.000		
52.92	0.000		
52.94	0.000		
52.96	0.000		
52.98	0.000		
53.00	0.000		
53.02	0.000		
53.04	0.000		
53.06	0.000		
53.08	0.000		
53.10	0.000		
53.12	0.000		
53.14	0.000		
53.16	0.000		
53.18	0.000		
53.20	0.000		

Summary for Pond 167P: CB 11

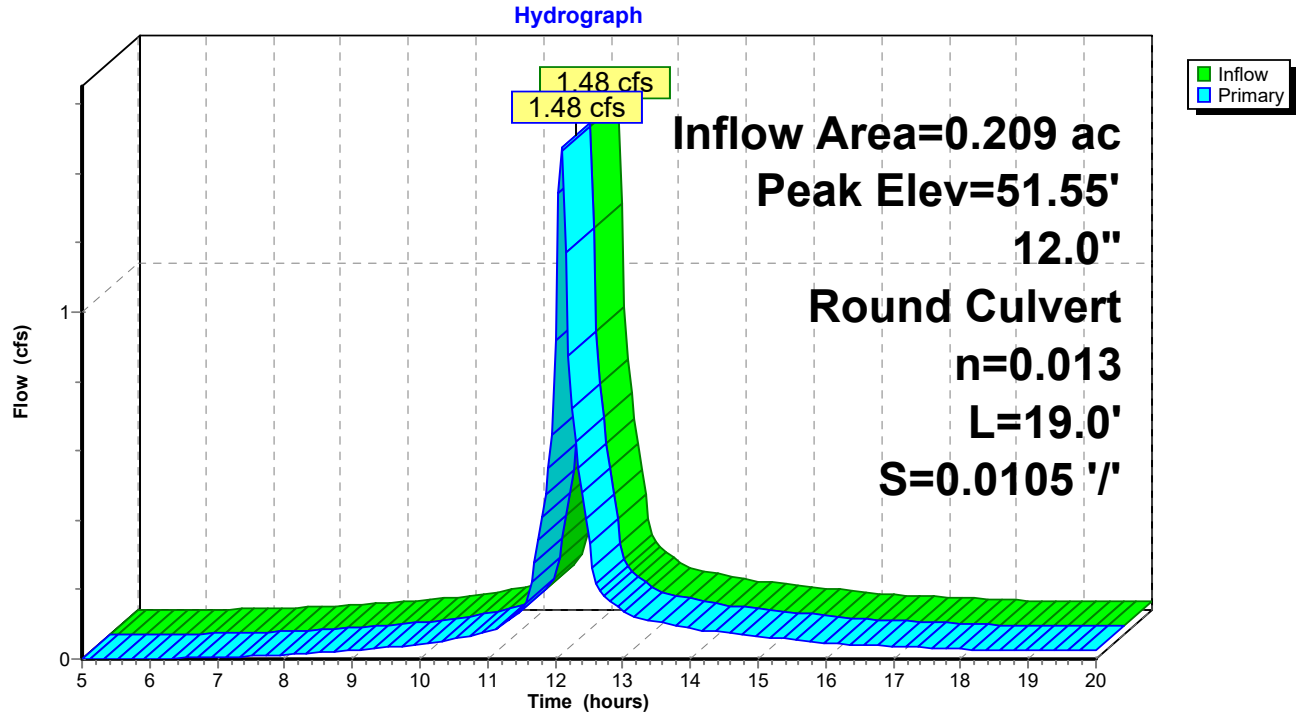
Inflow Area = 0.209 ac, 65.78% Impervious, Inflow Depth > 5.90" for 100-Year event
Inflow = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.48 cfs @ 12.09 hrs, Volume= 0.103 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.55' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.79'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.79' / 50.59' S= 0.0105 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.44 cfs @ 12.09 hrs HW=51.54' (Free Discharge)
1=Culvert (Barrel Controls 1.44 cfs @ 3.19 fps)

Pond 167P: CB 11



Stage-Area-Storage for Pond 167P: CB 11

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.79	**0.000**	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000		
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		

Summary for Pond 168P: CB 10

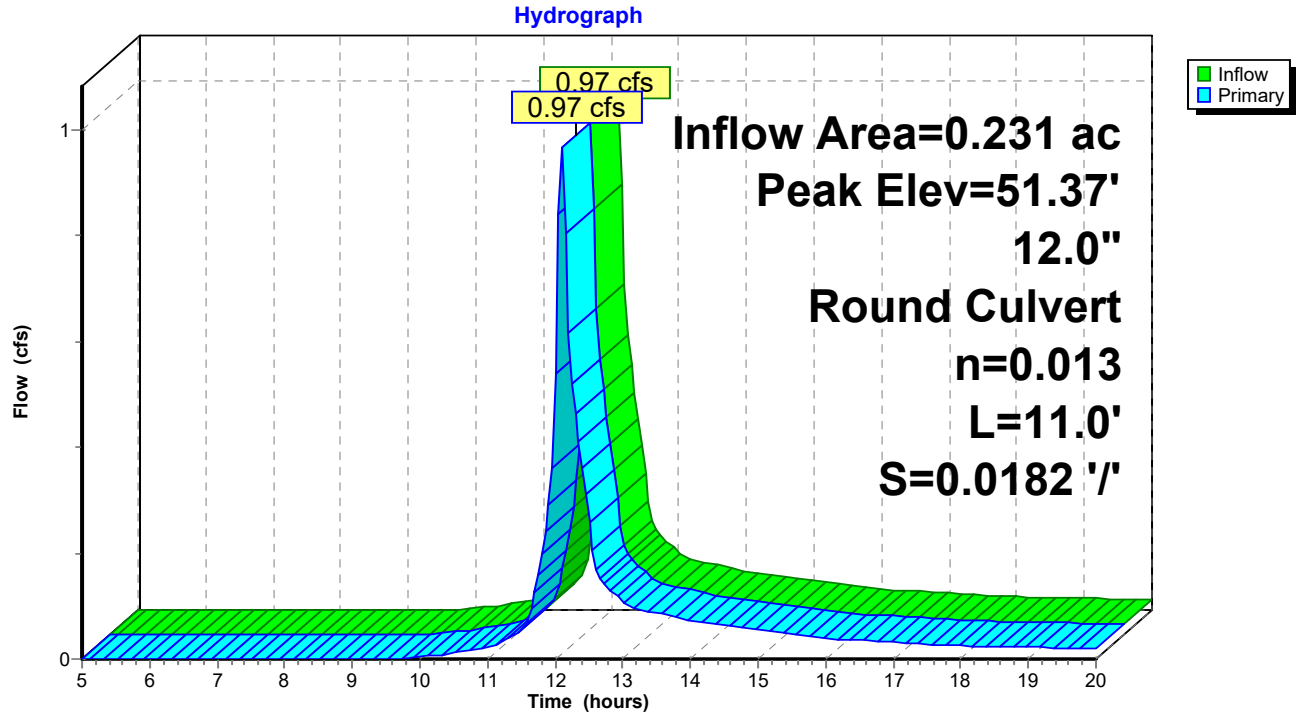
Inflow Area = 0.231 ac, 30.05% Impervious, Inflow Depth > 3.40" for 100-Year event
Inflow = 0.97 cfs @ 12.10 hrs, Volume= 0.065 af
Outflow = 0.97 cfs @ 12.10 hrs, Volume= 0.065 af, Atten= 0%, Lag= 0.0 min
Primary = 0.97 cfs @ 12.10 hrs, Volume= 0.065 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.37' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.79'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.79' / 50.59' S= 0.0182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.96 cfs @ 12.10 hrs HW=51.37' (Free Discharge)
1=Culvert (Inlet Controls 0.96 cfs @ 2.04 fps)

Pond 168P: CB 10



Stage-Area-Storage for Pond 168P: CB 10

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.79	**0.000**	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000		
51.28	0.000		
51.29	0.000		
51.30	0.000		
51.31	0.000		

Summary for Pond 169P: DMH 12

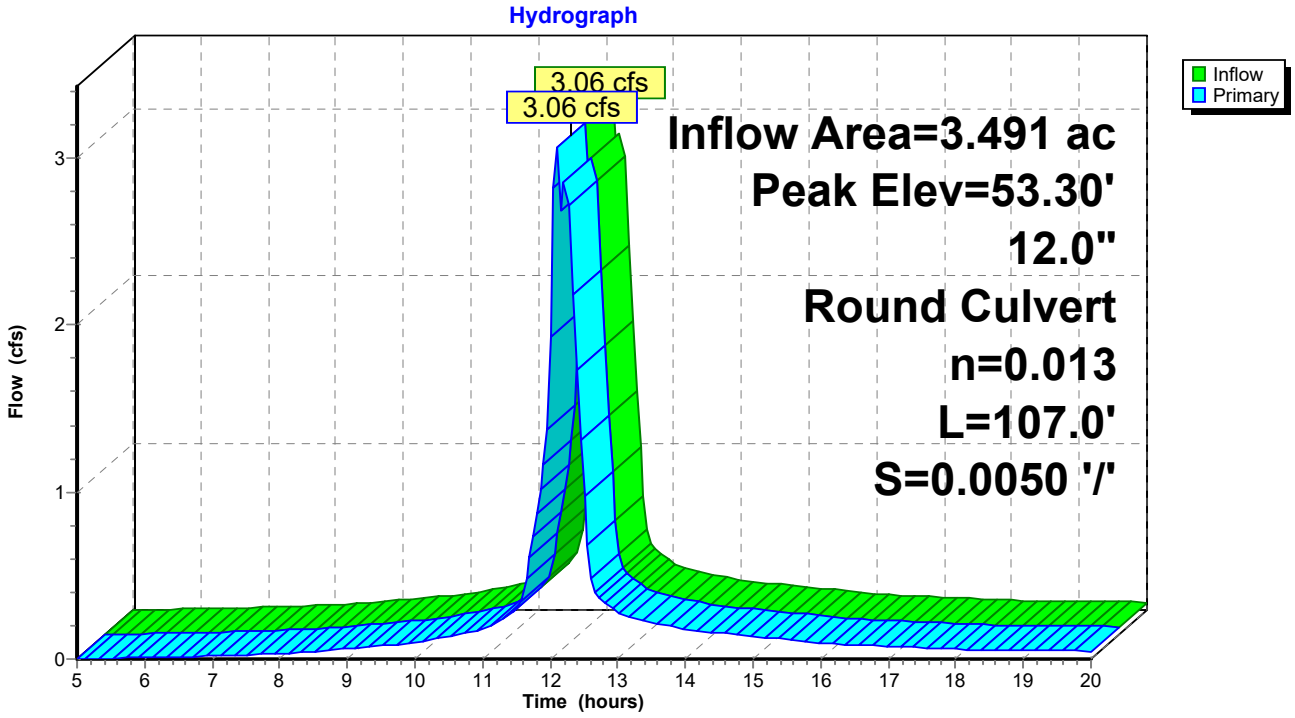
Inflow Area = 3.491 ac, 67.77% Impervious, Inflow Depth > 0.84" for 100-Year event
Inflow = 3.06 cfs @ 12.09 hrs, Volume= 0.245 af
Outflow = 3.06 cfs @ 12.09 hrs, Volume= 0.245 af, Atten= 0%, Lag= 0.0 min
Primary = 3.06 cfs @ 12.09 hrs, Volume= 0.245 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.60'	**12.0" Round Culvert** L= 107.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.60' / 51.06' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.04 cfs @ 12.09 hrs HW=53.28' (Free Discharge)
1=Culvert (Barrel Controls 3.04 cfs @ 3.86 fps)

Pond 169P: DMH 12



Stage-Area-Storage for Pond 169P: DMH 12

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.60	**0.000**	52.66	0.000
51.62	0.000	52.68	0.000
51.64	0.000	52.70	0.000
51.66	0.000	52.72	0.000
51.68	0.000	52.74	0.000
51.70	0.000	52.76	0.000
51.72	0.000	52.78	0.000
51.74	0.000	52.80	0.000
51.76	0.000	52.82	0.000
51.78	0.000	52.84	0.000
51.80	0.000	52.86	0.000
51.82	0.000	52.88	0.000
51.84	0.000	52.90	0.000
51.86	0.000	52.92	0.000
51.88	0.000	52.94	0.000
51.90	0.000	52.96	0.000
51.92	0.000	52.98	0.000
51.94	0.000	53.00	0.000
51.96	0.000	53.02	0.000
51.98	0.000	53.04	0.000
52.00	0.000	53.06	0.000
52.02	0.000	53.08	0.000
52.04	0.000	53.10	0.000
52.06	0.000	53.12	0.000
52.08	0.000	53.14	0.000
52.10	0.000	53.16	0.000
52.12	0.000	53.18	0.000
52.14	0.000	53.20	0.000
52.16	0.000	53.22	0.000
52.18	0.000	53.24	0.000
52.20	0.000	53.26	0.000
52.22	0.000	53.28	0.000
52.24	0.000	53.30	0.000
52.26	0.000		
52.28	0.000		
52.30	0.000		
52.32	0.000		
52.34	0.000		
52.36	0.000		
52.38	0.000		
52.40	0.000		
52.42	0.000		
52.44	0.000		
52.46	0.000		
52.48	0.000		
52.50	0.000		
52.52	0.000		
52.54	0.000		
52.56	0.000		
52.58	0.000		
52.60	0.000		
52.62	0.000		
52.64	0.000		

Summary for Pond 170P: CB 9

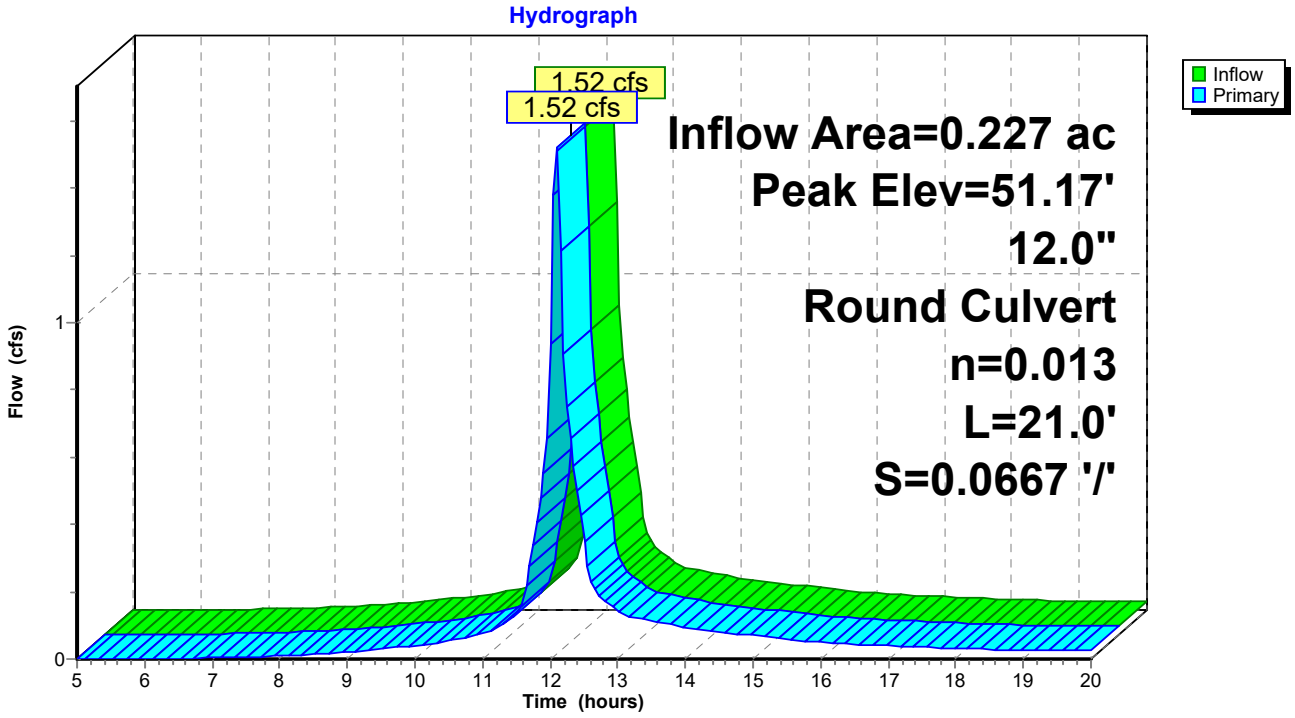
Inflow Area = 0.227 ac, 61.54% Impervious, Inflow Depth > 5.54" for 100-Year event
Inflow = 1.52 cfs @ 12.09 hrs, Volume= 0.105 af
Outflow = 1.52 cfs @ 12.09 hrs, Volume= 0.105 af, Atten= 0%, Lag= 0.0 min
Primary = 1.52 cfs @ 12.09 hrs, Volume= 0.105 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.17' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.40'	**12.0" Round Culvert** L= 21.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.40' / 49.00' S= 0.0667 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.49 cfs @ 12.09 hrs HW=51.16' (Free Discharge)
1=Culvert (Inlet Controls 1.49 cfs @ 2.34 fps)

Pond 170P: CB 9



Stage-Area-Storage for Pond 170P: CB 9

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.40	**0.000**	50.93	0.000
50.41	0.000	50.94	0.000
50.42	0.000	50.95	0.000
50.43	0.000	50.96	0.000
50.44	0.000	50.97	0.000
50.45	0.000	50.98	0.000
50.46	0.000	50.99	0.000
50.47	0.000	51.00	0.000
50.48	0.000	51.01	0.000
50.49	0.000	51.02	0.000
50.50	0.000	51.03	0.000
50.51	0.000	51.04	0.000
50.52	0.000	51.05	0.000
50.53	0.000	51.06	0.000
50.54	0.000	51.07	0.000
50.55	0.000	51.08	0.000
50.56	0.000	51.09	0.000
50.57	0.000	51.10	0.000
50.58	0.000	51.11	0.000
50.59	0.000	51.12	0.000
50.60	0.000	51.13	0.000
50.61	0.000	51.14	0.000
50.62	0.000	51.15	0.000
50.63	0.000	51.16	0.000
50.64	0.000	51.17	0.000
50.65	0.000	51.18	0.000
50.66	0.000	51.19	0.000
50.67	0.000	51.20	0.000
50.68	0.000	51.21	0.000
50.69	0.000	51.22	0.000
50.70	0.000	51.23	0.000
50.71	0.000	51.24	0.000
50.72	0.000	51.25	0.000
50.73	0.000	51.26	0.000
50.74	0.000	51.27	0.000
50.75	0.000	51.28	0.000
50.76	0.000	51.29	0.000
50.77	0.000	51.30	0.000
50.78	0.000	51.31	0.000
50.79	0.000	51.32	0.000
50.80	0.000	51.33	0.000
50.81	0.000	51.34	0.000
50.82	0.000	51.35	0.000
50.83	0.000	51.36	0.000
50.84	0.000	51.37	0.000
50.85	0.000	51.38	0.000
50.86	0.000	51.39	0.000
50.87	0.000	51.40	0.000
50.88	0.000		
50.89	0.000		
50.90	0.000		
50.91	0.000		
50.92	0.000		

Summary for Pond 171P: DMH 6

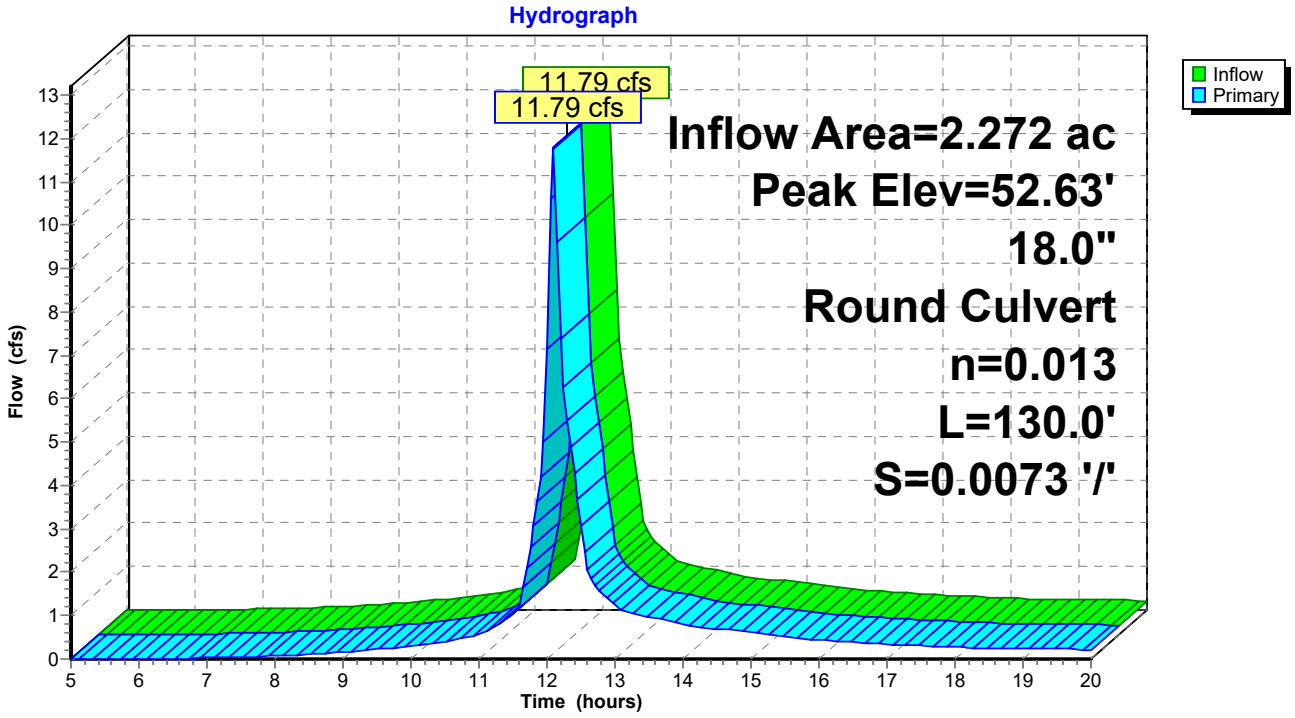
Inflow Area = 2.272 ac, 49.70% Impervious, Inflow Depth > 4.52" for 100-Year event
Inflow = 11.79 cfs @ 12.09 hrs, Volume= 0.855 af
Outflow = 11.79 cfs @ 12.09 hrs, Volume= 0.855 af, Atten= 0%, Lag= 0.0 min
Primary = 11.79 cfs @ 12.09 hrs, Volume= 0.855 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.63' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.80'	**18.0" Round Culvert** L= 130.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.80' / 47.85' S= 0.0073 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=11.59 cfs @ 12.09 hrs HW=52.53' (Free Discharge)
1=Culvert (Inlet Controls 11.59 cfs @ 6.56 fps)

Pond 171P: DMH 6



Stage-Area-Storage for Pond 171P: DMH 6

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.80	**0.000**	51.45	0.000
48.85	0.000	51.50	0.000
48.90	0.000	51.55	0.000
48.95	0.000	51.60	0.000
49.00	0.000	51.65	0.000
49.05	0.000	51.70	0.000
49.10	0.000	51.75	0.000
49.15	0.000	51.80	0.000
49.20	0.000	51.85	0.000
49.25	0.000	51.90	0.000
49.30	0.000	51.95	0.000
49.35	0.000	52.00	0.000
49.40	0.000	52.05	0.000
49.45	0.000	52.10	0.000
49.50	0.000	52.15	0.000
49.55	0.000	52.20	0.000
49.60	0.000	52.25	0.000
49.65	0.000	52.30	0.000
49.70	0.000	52.35	0.000
49.75	0.000	52.40	0.000
49.80	0.000	52.45	0.000
49.85	0.000	52.50	0.000
49.90	0.000	52.55	0.000
49.95	0.000	52.60	0.000
50.00	0.000		
50.05	0.000		
50.10	0.000		
50.15	0.000		
50.20	0.000		
50.25	0.000		
50.30	0.000		
50.35	0.000		
50.40	0.000		
50.45	0.000		
50.50	0.000		
50.55	0.000		
50.60	0.000		
50.65	0.000		
50.70	0.000		
50.75	0.000		
50.80	0.000		
50.85	0.000		
50.90	0.000		
50.95	0.000		
51.00	0.000		
51.05	0.000		
51.10	0.000		
51.15	0.000		
51.20	0.000		
51.25	0.000		
51.30	0.000		
51.35	0.000		
51.40	0.000		

Summary for Pond 172P: CB 16

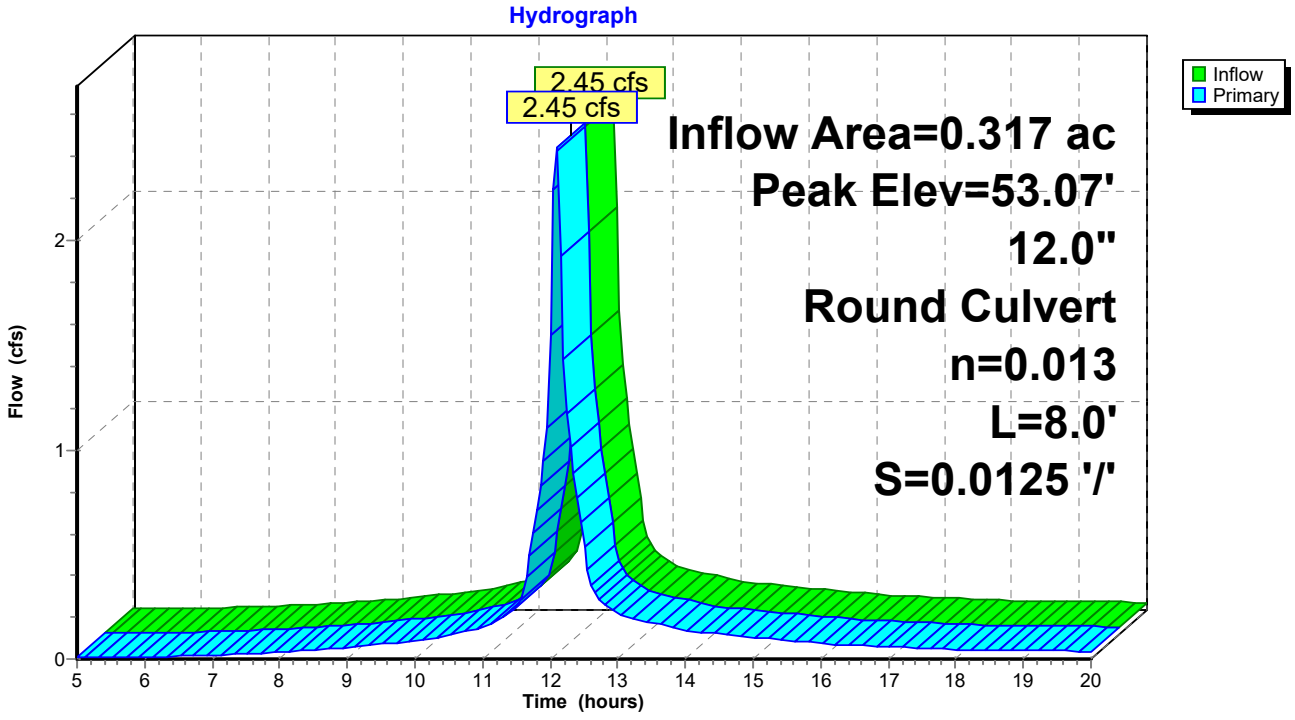
Inflow Area = 0.317 ac, 75.85% Impervious, Inflow Depth > 6.62" for 100-Year event
Inflow = 2.45 cfs @ 12.09 hrs, Volume= 0.175 af
Outflow = 2.45 cfs @ 12.09 hrs, Volume= 0.175 af, Atten= 0%, Lag= 0.0 min
Primary = 2.45 cfs @ 12.09 hrs, Volume= 0.175 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.07' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.90'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.90' / 51.80' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.39 cfs @ 12.09 hrs HW=53.04' (Free Discharge)
1=Culvert (Inlet Controls 2.39 cfs @ 3.04 fps)

Pond 172P: CB 16



Stage-Area-Storage for Pond 172P: CB 16

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.90	**0.000**	52.43	0.000	52.96	0.000
51.91	0.000	52.44	0.000	52.97	0.000
51.92	0.000	52.45	0.000	52.98	0.000
51.93	0.000	52.46	0.000	52.99	0.000
51.94	0.000	52.47	0.000	53.00	0.000
51.95	0.000	52.48	0.000	53.01	0.000
51.96	0.000	52.49	0.000	53.02	0.000
51.97	0.000	52.50	0.000	53.03	0.000
51.98	0.000	52.51	0.000	53.04	0.000
51.99	0.000	52.52	0.000	53.05	0.000
52.00	0.000	52.53	0.000	53.06	0.000
52.01	0.000	52.54	0.000	53.07	0.000
52.02	0.000	52.55	0.000		
52.03	0.000	52.56	0.000		
52.04	0.000	52.57	0.000		
52.05	0.000	52.58	0.000		
52.06	0.000	52.59	0.000		
52.07	0.000	52.60	0.000		
52.08	0.000	52.61	0.000		
52.09	0.000	52.62	0.000		
52.10	0.000	52.63	0.000		
52.11	0.000	52.64	0.000		
52.12	0.000	52.65	0.000		
52.13	0.000	52.66	0.000		
52.14	0.000	52.67	0.000		
52.15	0.000	52.68	0.000		
52.16	0.000	52.69	0.000		
52.17	0.000	52.70	0.000		
52.18	0.000	52.71	0.000		
52.19	0.000	52.72	0.000		
52.20	0.000	52.73	0.000		
52.21	0.000	52.74	0.000		
52.22	0.000	52.75	0.000		
52.23	0.000	52.76	0.000		
52.24	0.000	52.77	0.000		
52.25	0.000	52.78	0.000		
52.26	0.000	52.79	0.000		
52.27	0.000	52.80	0.000		
52.28	0.000	52.81	0.000		
52.29	0.000	52.82	0.000		
52.30	0.000	52.83	0.000		
52.31	0.000	52.84	0.000		
52.32	0.000	52.85	0.000		
52.33	0.000	52.86	0.000		
52.34	0.000	52.87	0.000		
52.35	0.000	52.88	0.000		
52.36	0.000	52.89	0.000		
52.37	0.000	52.90	0.000		
52.38	0.000	52.91	0.000		
52.39	0.000	52.92	0.000		
52.40	0.000	52.93	0.000		
52.41	0.000	52.94	0.000		
52.42	0.000	52.95	0.000		

Summary for Pond 173P: CB 17

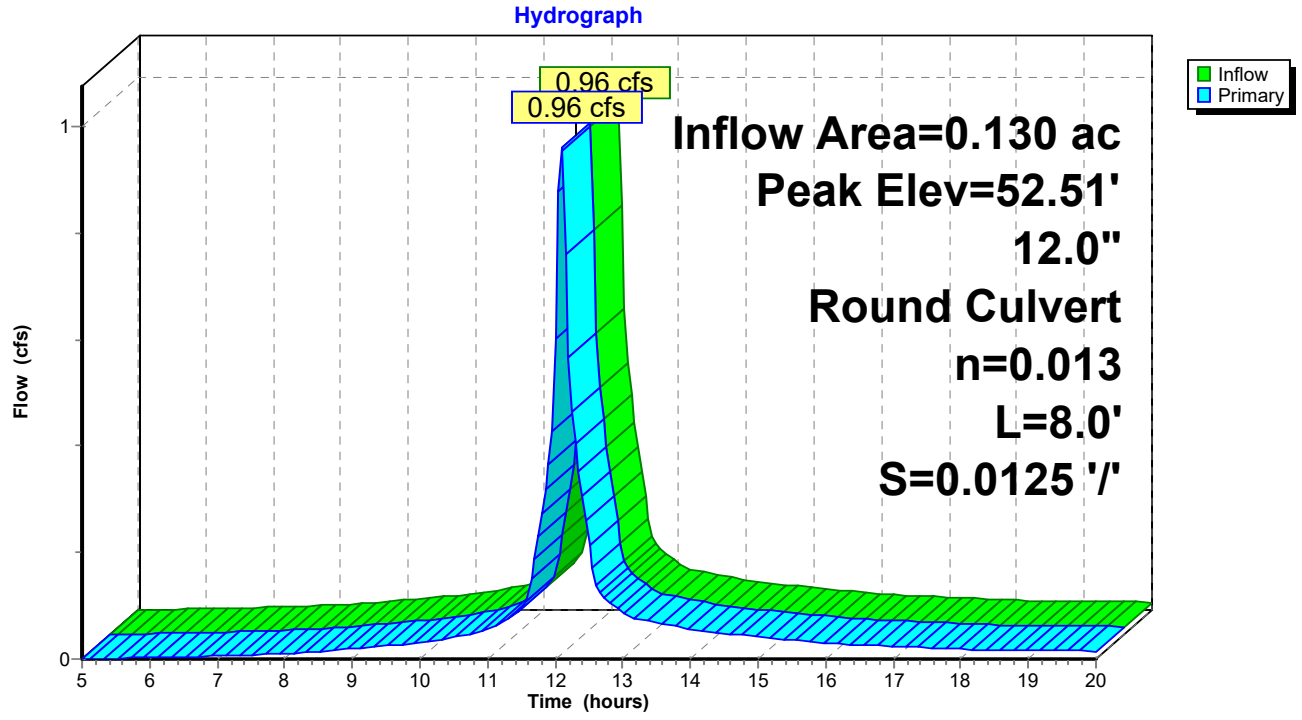
Inflow Area = 0.130 ac, 71.18% Impervious, Inflow Depth > 6.26" for 100-Year event
Inflow = 0.96 cfs @ 12.09 hrs, Volume= 0.068 af
Outflow = 0.96 cfs @ 12.09 hrs, Volume= 0.068 af, Atten= 0%, Lag= 0.0 min
Primary = 0.96 cfs @ 12.09 hrs, Volume= 0.068 af
Routed to Pond 174P : DMH 11

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.51' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.90'	**12.0" Round Culvert** L= 8.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.90' / 51.80' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.94 cfs @ 12.09 hrs HW=52.50' (Free Discharge)
1=Culvert (Barrel Controls 0.94 cfs @ 2.72 fps)

Pond 173P: CB 17



Stage-Area-Storage for Pond 173P: CB 17

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.90	**0.000**	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000	52.86	0.000
52.34	0.000	52.87	0.000
52.35	0.000	52.88	0.000
52.36	0.000	52.89	0.000
52.37	0.000	52.90	0.000
52.38	0.000		
52.39	0.000		
52.40	0.000		
52.41	0.000		
52.42	0.000		

Summary for Pond 174P: DMH 11

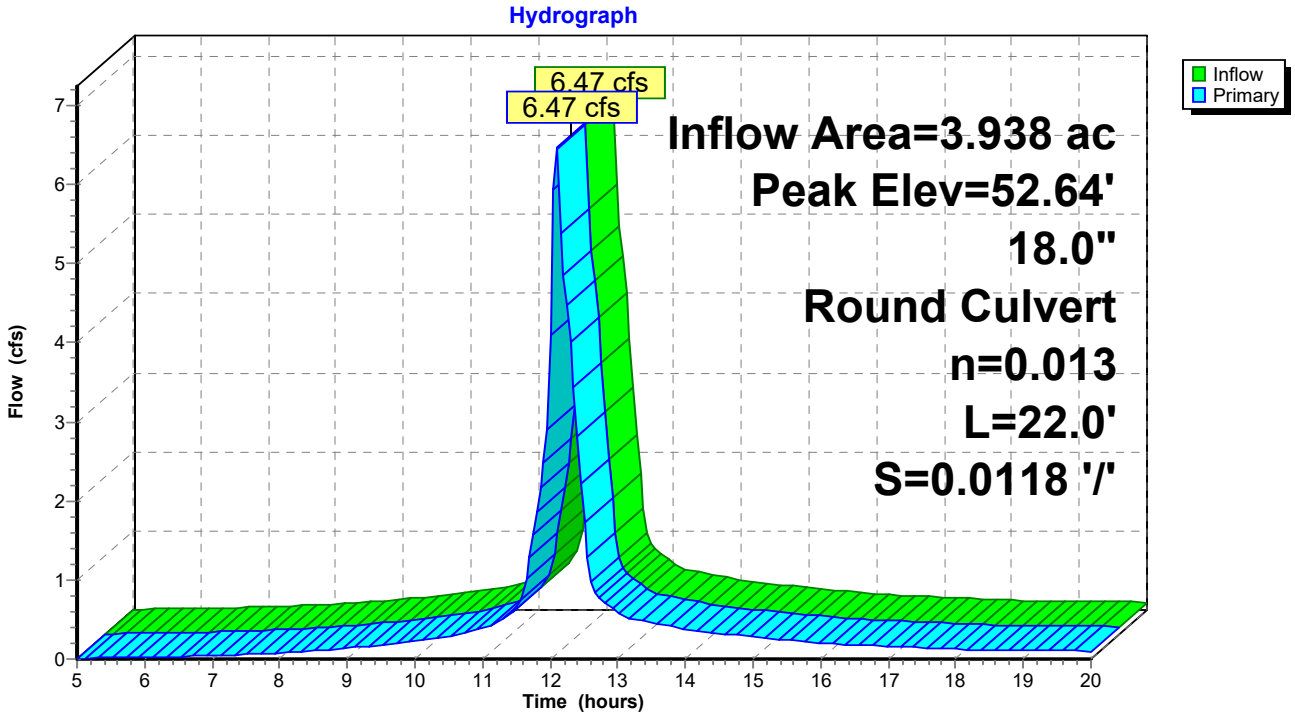
Inflow Area = 3.938 ac, 68.53% Impervious, Inflow Depth > 1.48" for 100-Year event
Inflow = 6.47 cfs @ 12.09 hrs, Volume= 0.487 af
Outflow = 6.47 cfs @ 12.09 hrs, Volume= 0.487 af, Atten= 0%, Lag= 0.0 min
Primary = 6.47 cfs @ 12.09 hrs, Volume= 0.487 af
Routed to Pond 217P : DMH 8A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.64' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.96'	**18.0" Round Culvert** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.96' / 50.70' S= 0.0118 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.36 cfs @ 12.09 hrs HW=52.61' (Free Discharge)
1=Culvert (Inlet Controls 6.36 cfs @ 3.60 fps)

Pond 174P: DMH 11



Stage-Area-Storage for Pond 174P: DMH 11

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.96	**0.000**	52.02	0.000
50.98	0.000	52.04	0.000
51.00	0.000	52.06	0.000
51.02	0.000	52.08	0.000
51.04	0.000	52.10	0.000
51.06	0.000	52.12	0.000
51.08	0.000	52.14	0.000
51.10	0.000	52.16	0.000
51.12	0.000	52.18	0.000
51.14	0.000	52.20	0.000
51.16	0.000	52.22	0.000
51.18	0.000	52.24	0.000
51.20	0.000	52.26	0.000
51.22	0.000	52.28	0.000
51.24	0.000	52.30	0.000
51.26	0.000	52.32	0.000
51.28	0.000	52.34	0.000
51.30	0.000	52.36	0.000
51.32	0.000	52.38	0.000
51.34	0.000	52.40	0.000
51.36	0.000	52.42	0.000
51.38	0.000	52.44	0.000
51.40	0.000	52.46	0.000
51.42	0.000	52.48	0.000
51.44	0.000	52.50	0.000
51.46	0.000	52.52	0.000
51.48	0.000	52.54	0.000
51.50	0.000	52.56	0.000
51.52	0.000	52.58	0.000
51.54	0.000	52.60	0.000
51.56	0.000	52.62	0.000
51.58	0.000	52.64	0.000
51.60	0.000		
51.62	0.000		
51.64	0.000		
51.66	0.000		
51.68	0.000		
51.70	0.000		
51.72	0.000		
51.74	0.000		
51.76	0.000		
51.78	0.000		
51.80	0.000		
51.82	0.000		
51.84	0.000		
51.86	0.000		
51.88	0.000		
51.90	0.000		
51.92	0.000		
51.94	0.000		
51.96	0.000		
51.98	0.000		
52.00	0.000		

Summary for Pond 175P: DMH 5

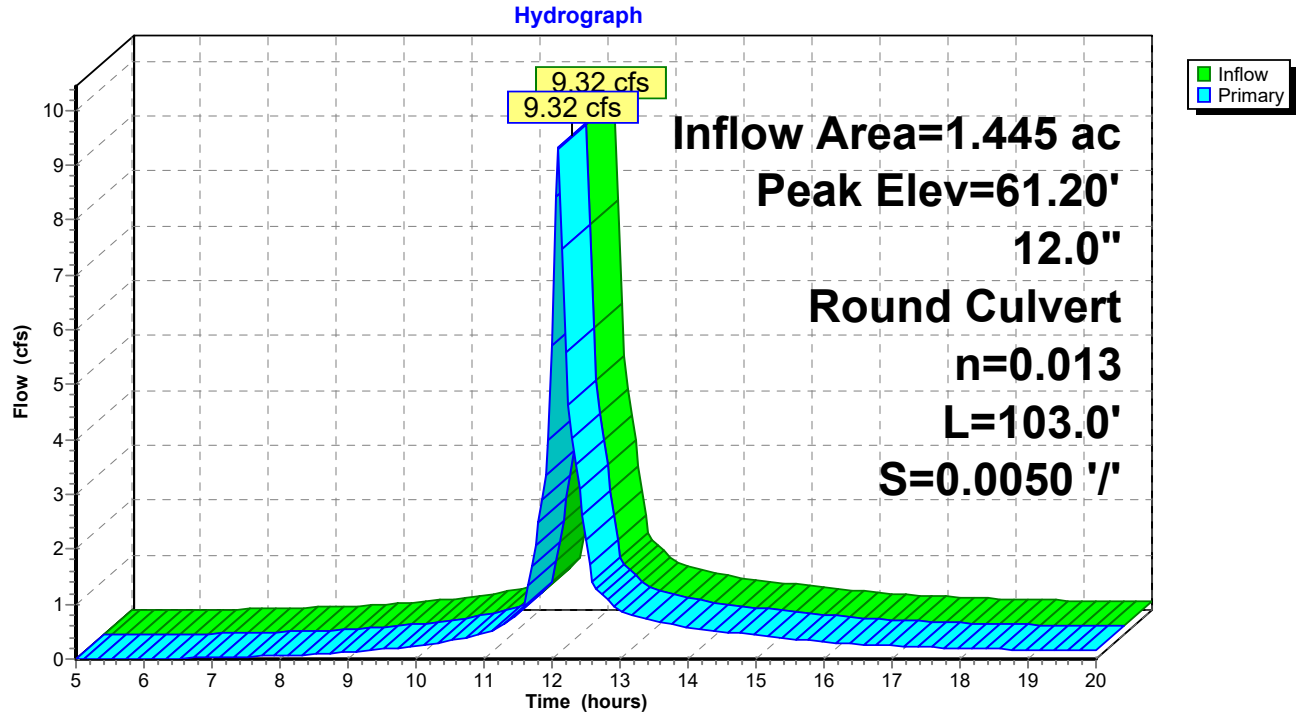
Inflow Area = 1.445 ac, 58.41% Impervious, Inflow Depth > 5.34" for 100-Year event
Inflow = 9.32 cfs @ 12.09 hrs, Volume= 0.643 af
Outflow = 9.32 cfs @ 12.09 hrs, Volume= 0.643 af, Atten= 0%, Lag= 0.0 min
Primary = 9.32 cfs @ 12.09 hrs, Volume= 0.643 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 61.20' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.52'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.52' / 49.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=9.12 cfs @ 12.09 hrs HW=60.76' (Free Discharge)
1=Culvert (Barrel Controls 9.12 cfs @ 11.62 fps)

Pond 175P: DMH 5



Stage-Area-Storage for Pond 175P: DMH 5

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.52	**0.000**	54.82	0.000	60.12	0.000
49.62	0.000	54.92	0.000	60.22	0.000
49.72	0.000	55.02	0.000	60.32	0.000
49.82	0.000	55.12	0.000	60.42	0.000
49.92	0.000	55.22	0.000	60.52	0.000
50.02	0.000	55.32	0.000	60.62	0.000
50.12	0.000	55.42	0.000	60.72	0.000
50.22	0.000	55.52	0.000	60.82	0.000
50.32	0.000	55.62	0.000	60.92	0.000
50.42	0.000	55.72	0.000	61.02	0.000
50.52	0.000	55.82	0.000	61.12	0.000
50.62	0.000	55.92	0.000		
50.72	0.000	56.02	0.000		
50.82	0.000	56.12	0.000		
50.92	0.000	56.22	0.000		
51.02	0.000	56.32	0.000		
51.12	0.000	56.42	0.000		
51.22	0.000	56.52	0.000		
51.32	0.000	56.62	0.000		
51.42	0.000	56.72	0.000		
51.52	0.000	56.82	0.000		
51.62	0.000	56.92	0.000		
51.72	0.000	57.02	0.000		
51.82	0.000	57.12	0.000		
51.92	0.000	57.22	0.000		
52.02	0.000	57.32	0.000		
52.12	0.000	57.42	0.000		
52.22	0.000	57.52	0.000		
52.32	0.000	57.62	0.000		
52.42	0.000	57.72	0.000		
52.52	0.000	57.82	0.000		
52.62	0.000	57.92	0.000		
52.72	0.000	58.02	0.000		
52.82	0.000	58.12	0.000		
52.92	0.000	58.22	0.000		
53.02	0.000	58.32	0.000		
53.12	0.000	58.42	0.000		
53.22	0.000	58.52	0.000		
53.32	0.000	58.62	0.000		
53.42	0.000	58.72	0.000		
53.52	0.000	58.82	0.000		
53.62	0.000	58.92	0.000		
53.72	0.000	59.02	0.000		
53.82	0.000	59.12	0.000		
53.92	0.000	59.22	0.000		
54.02	0.000	59.32	0.000		
54.12	0.000	59.42	0.000		
54.22	0.000	59.52	0.000		
54.32	0.000	59.62	0.000		
54.42	0.000	59.72	0.000		
54.52	0.000	59.82	0.000		
54.62	0.000	59.92	0.000		
54.72	0.000	60.02	0.000		

Summary for Pond 176P: CB 6

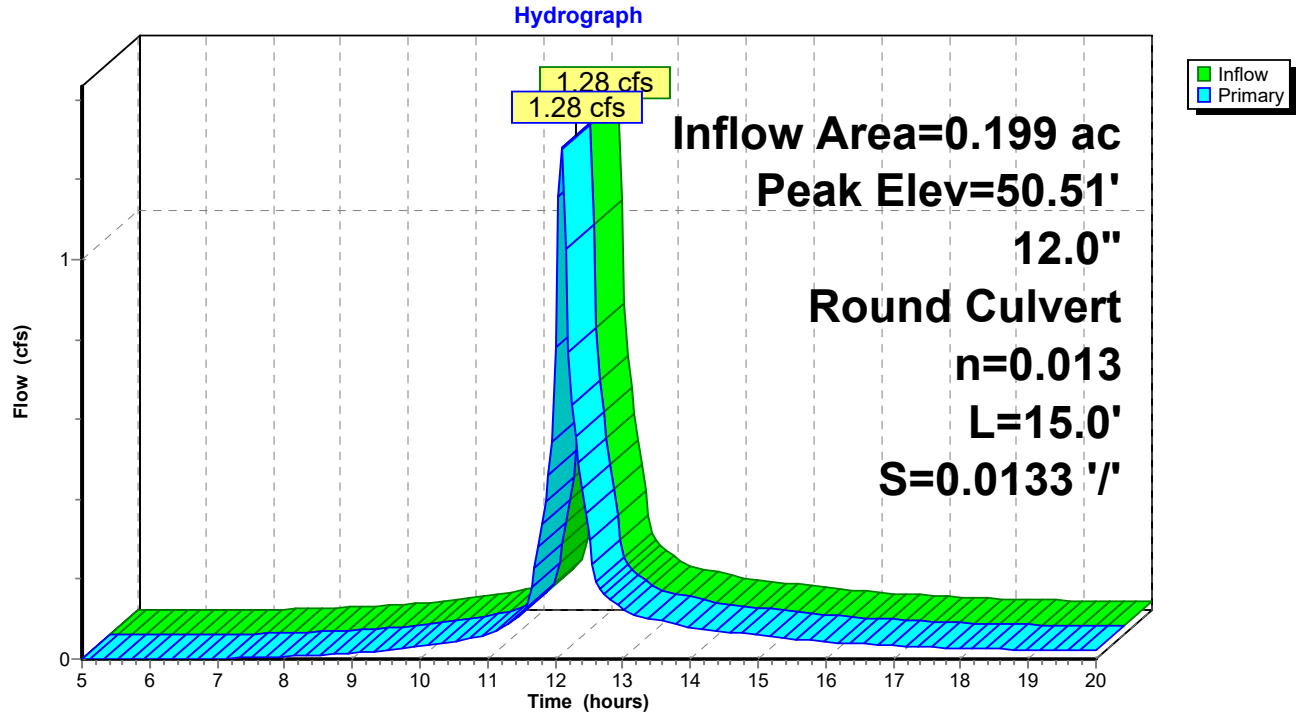
Inflow Area = 0.199 ac, 57.72% Impervious, Inflow Depth > 5.30" for 100-Year event
Inflow = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af
Outflow = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.09 hrs, Volume= 0.088 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.51' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.82'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.82' / 49.62' S= 0.0133 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.26 cfs @ 12.09 hrs HW=50.50' (Free Discharge)
1=Culvert (Inlet Controls 1.26 cfs @ 2.21 fps)

Pond 176P: CB 6



Stage-Area-Storage for Pond 176P: CB 6

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.82	**0.000**	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000	50.64	0.000
50.12	0.000	50.65	0.000
50.13	0.000	50.66	0.000
50.14	0.000	50.67	0.000
50.15	0.000	50.68	0.000
50.16	0.000	50.69	0.000
50.17	0.000	50.70	0.000
50.18	0.000	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000		
50.31	0.000		
50.32	0.000		
50.33	0.000		
50.34	0.000		

Summary for Pond 177P: CB 13

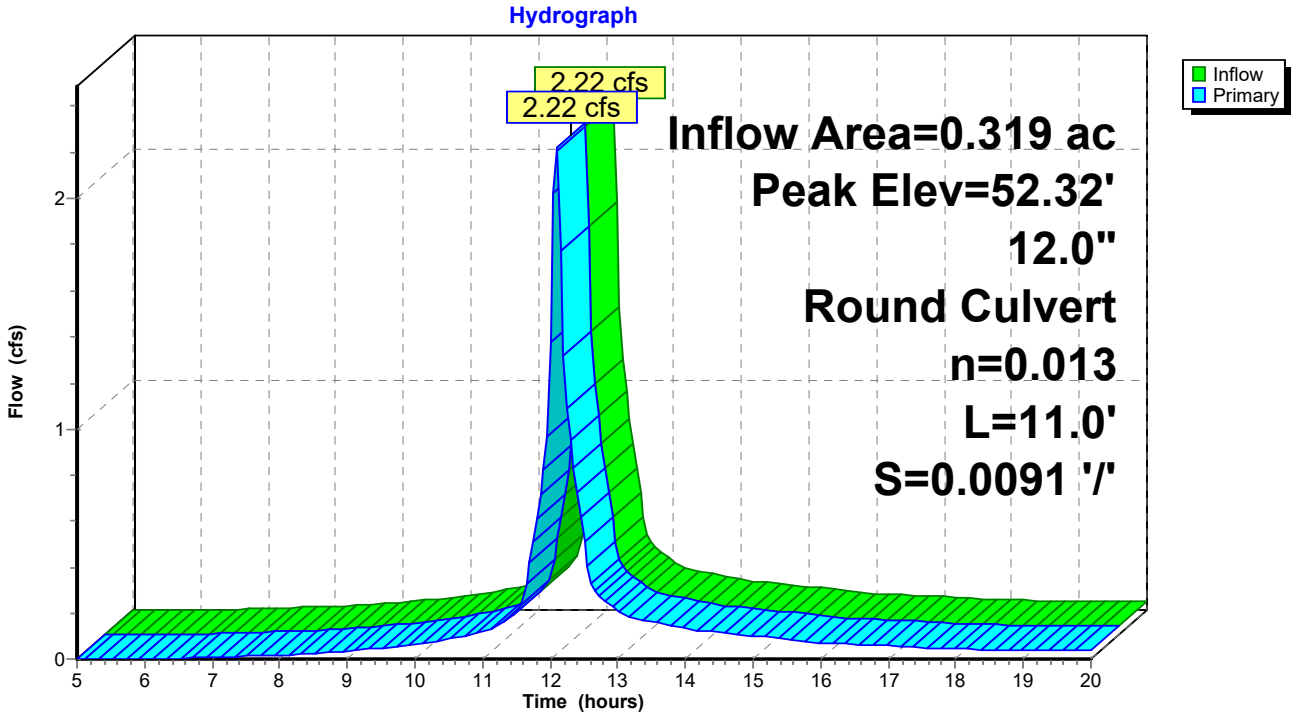
Inflow Area = 0.319 ac, 64.43% Impervious, Inflow Depth > 5.78" for 100-Year event
Inflow = 2.22 cfs @ 12.09 hrs, Volume= 0.154 af
Outflow = 2.22 cfs @ 12.09 hrs, Volume= 0.154 af, Atten= 0%, Lag= 0.0 min
Primary = 2.22 cfs @ 12.09 hrs, Volume= 0.154 af
Routed to Pond 179P : DMH 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.32' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.25'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.25' / 51.15' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.17 cfs @ 12.09 hrs HW=52.30' (Free Discharge)
1=Culvert (Barrel Controls 2.17 cfs @ 3.28 fps)

Pond 177P: CB 13



Stage-Area-Storage for Pond 177P: CB 13

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.25	**0.000**	51.78	0.000	52.31	0.000
51.26	0.000	51.79	0.000	52.32	0.000
51.27	0.000	51.80	0.000		
51.28	0.000	51.81	0.000		
51.29	0.000	51.82	0.000		
51.30	0.000	51.83	0.000		
51.31	0.000	51.84	0.000		
51.32	0.000	51.85	0.000		
51.33	0.000	51.86	0.000		
51.34	0.000	51.87	0.000		
51.35	0.000	51.88	0.000		
51.36	0.000	51.89	0.000		
51.37	0.000	51.90	0.000		
51.38	0.000	51.91	0.000		
51.39	0.000	51.92	0.000		
51.40	0.000	51.93	0.000		
51.41	0.000	51.94	0.000		
51.42	0.000	51.95	0.000		
51.43	0.000	51.96	0.000		
51.44	0.000	51.97	0.000		
51.45	0.000	51.98	0.000		
51.46	0.000	51.99	0.000		
51.47	0.000	52.00	0.000		
51.48	0.000	52.01	0.000		
51.49	0.000	52.02	0.000		
51.50	0.000	52.03	0.000		
51.51	0.000	52.04	0.000		
51.52	0.000	52.05	0.000		
51.53	0.000	52.06	0.000		
51.54	0.000	52.07	0.000		
51.55	0.000	52.08	0.000		
51.56	0.000	52.09	0.000		
51.57	0.000	52.10	0.000		
51.58	0.000	52.11	0.000		
51.59	0.000	52.12	0.000		
51.60	0.000	52.13	0.000		
51.61	0.000	52.14	0.000		
51.62	0.000	52.15	0.000		
51.63	0.000	52.16	0.000		
51.64	0.000	52.17	0.000		
51.65	0.000	52.18	0.000		
51.66	0.000	52.19	0.000		
51.67	0.000	52.20	0.000		
51.68	0.000	52.21	0.000		
51.69	0.000	52.22	0.000		
51.70	0.000	52.23	0.000		
51.71	0.000	52.24	0.000		
51.72	0.000	52.25	0.000		
51.73	0.000	52.26	0.000		
51.74	0.000	52.27	0.000		
51.75	0.000	52.28	0.000		
51.76	0.000	52.29	0.000		
51.77	0.000	52.30	0.000		

Summary for Pond 178P: CB 12

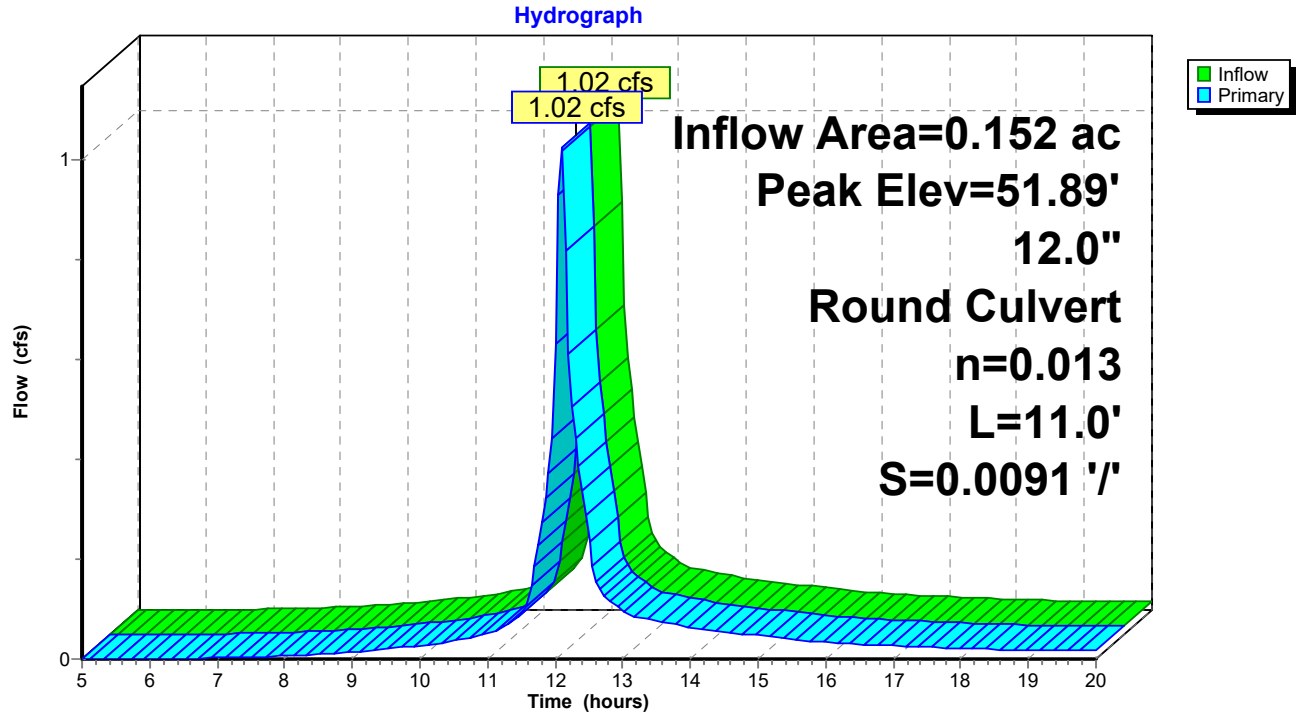
Inflow Area = 0.152 ac, 60.77% Impervious, Inflow Depth > 5.54" for 100-Year event
Inflow = 1.02 cfs @ 12.09 hrs, Volume= 0.070 af
Outflow = 1.02 cfs @ 12.09 hrs, Volume= 0.070 af, Atten= 0%, Lag= 0.0 min
Primary = 1.02 cfs @ 12.09 hrs, Volume= 0.070 af
Routed to Pond 179P : DMH 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.89' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.25'	**12.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.25' / 51.15' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=51.88' (Free Discharge)
1=Culvert (Barrel Controls 1.00 cfs @ 2.71 fps)

Pond 178P: CB 12



Stage-Area-Storage for Pond 178P: CB 12

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.25	**0.000**	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000		
51.74	0.000		
51.75	0.000		
51.76	0.000		
51.77	0.000		

Summary for Pond 179P: DMH 8

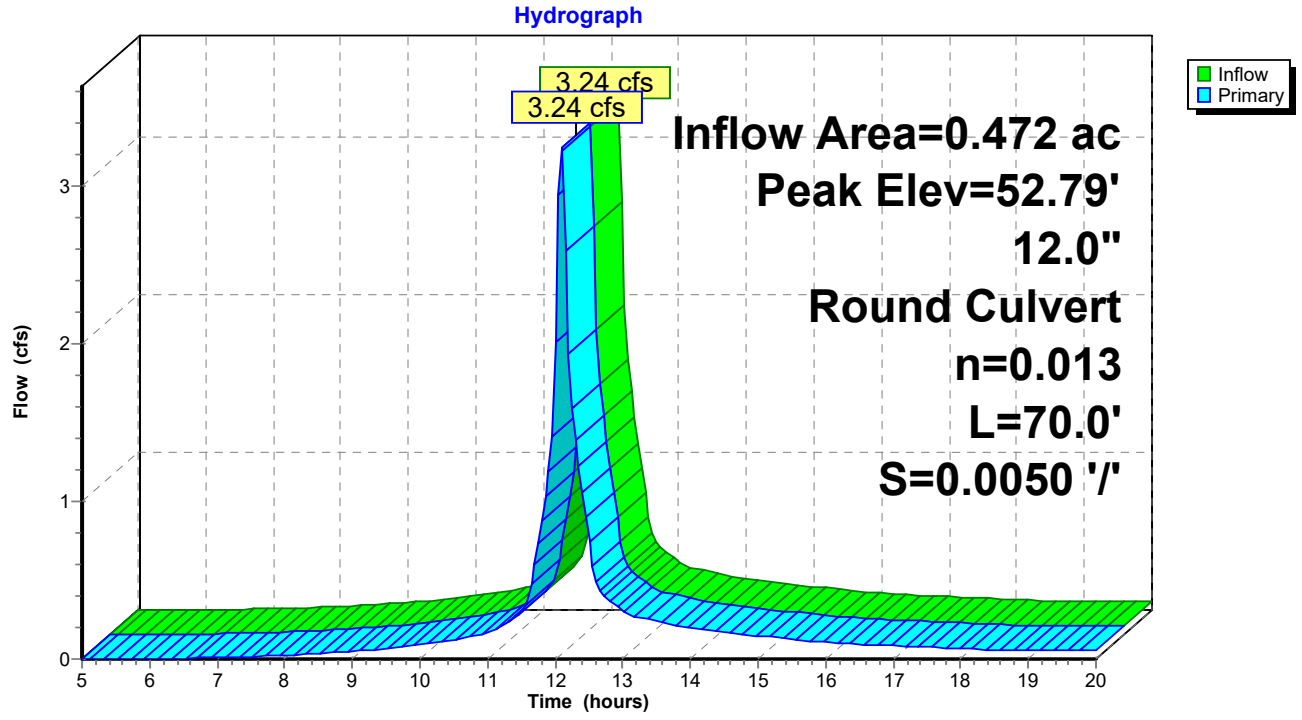
Inflow Area = 0.472 ac, 63.25% Impervious, Inflow Depth > 5.70" for 100-Year event
Inflow = 3.24 cfs @ 12.09 hrs, Volume= 0.224 af
Outflow = 3.24 cfs @ 12.09 hrs, Volume= 0.224 af, Atten= 0%, Lag= 0.0 min
Primary = 3.24 cfs @ 12.09 hrs, Volume= 0.224 af
Routed to Pond 217P : DMH 8A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.79' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.05'	**12.0" Round Culvert** L= 70.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 50.70' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.17 cfs @ 12.09 hrs HW=52.74' (Free Discharge)
1=Culvert (Barrel Controls 3.17 cfs @ 4.04 fps)

Pond 179P: DMH 8



Stage-Area-Storage for Pond 179P: DMH 8

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.05	**0.000**	52.11	0.000
51.07	0.000	52.13	0.000
51.09	0.000	52.15	0.000
51.11	0.000	52.17	0.000
51.13	0.000	52.19	0.000
51.15	0.000	52.21	0.000
51.17	0.000	52.23	0.000
51.19	0.000	52.25	0.000
51.21	0.000	52.27	0.000
51.23	0.000	52.29	0.000
51.25	0.000	52.31	0.000
51.27	0.000	52.33	0.000
51.29	0.000	52.35	0.000
51.31	0.000	52.37	0.000
51.33	0.000	52.39	0.000
51.35	0.000	52.41	0.000
51.37	0.000	52.43	0.000
51.39	0.000	52.45	0.000
51.41	0.000	52.47	0.000
51.43	0.000	52.49	0.000
51.45	0.000	52.51	0.000
51.47	0.000	52.53	0.000
51.49	0.000	52.55	0.000
51.51	0.000	52.57	0.000
51.53	0.000	52.59	0.000
51.55	0.000	52.61	0.000
51.57	0.000	52.63	0.000
51.59	0.000	52.65	0.000
51.61	0.000	52.67	0.000
51.63	0.000	52.69	0.000
51.65	0.000	52.71	0.000
51.67	0.000	52.73	0.000
51.69	0.000	52.75	0.000
51.71	0.000	52.77	0.000
51.73	0.000		
51.75	0.000		
51.77	0.000		
51.79	0.000		
51.81	0.000		
51.83	0.000		
51.85	0.000		
51.87	0.000		
51.89	0.000		
51.91	0.000		
51.93	0.000		
51.95	0.000		
51.97	0.000		
51.99	0.000		
52.01	0.000		
52.03	0.000		
52.05	0.000		
52.07	0.000		
52.09	0.000		

Summary for Pond 180P: DMH 9

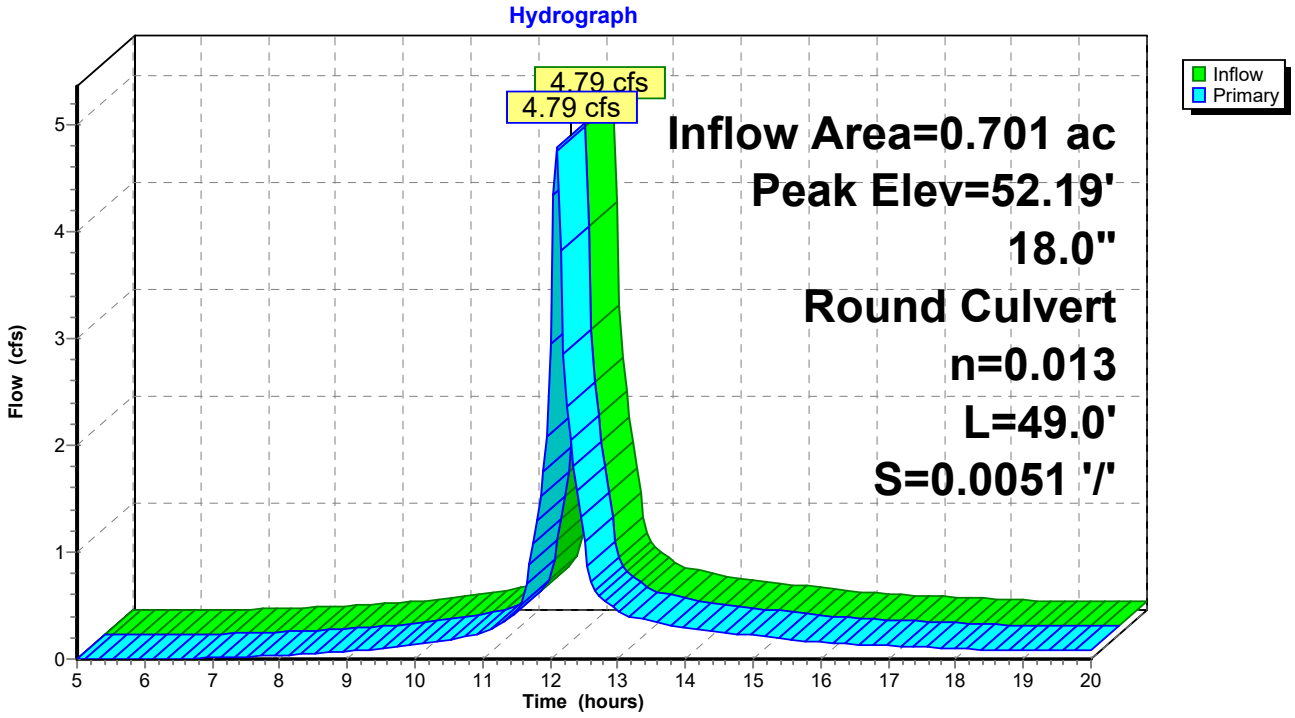
Inflow Area = 0.701 ac, 63.25% Impervious, Inflow Depth > 5.66" for 100-Year event
Inflow = 4.79 cfs @ 12.09 hrs, Volume= 0.331 af
Outflow = 4.79 cfs @ 12.09 hrs, Volume= 0.331 af, Atten= 0%, Lag= 0.0 min
Primary = 4.79 cfs @ 12.09 hrs, Volume= 0.331 af
Routed to Pond 181P : DMH 7

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.19' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.84'	**18.0" Round Culvert** L= 49.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.84' / 50.59' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.69 cfs @ 12.09 hrs HW=52.17' (Free Discharge)
1=Culvert (Barrel Controls 4.69 cfs @ 3.77 fps)

Pond 180P: DMH 9



Stage-Area-Storage for Pond 180P: DMH 9

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.84	**0.000**	51.37	0.000	51.90	0.000
50.85	0.000	51.38	0.000	51.91	0.000
50.86	0.000	51.39	0.000	51.92	0.000
50.87	0.000	51.40	0.000	51.93	0.000
50.88	0.000	51.41	0.000	51.94	0.000
50.89	0.000	51.42	0.000	51.95	0.000
50.90	0.000	51.43	0.000	51.96	0.000
50.91	0.000	51.44	0.000	51.97	0.000
50.92	0.000	51.45	0.000	51.98	0.000
50.93	0.000	51.46	0.000	51.99	0.000
50.94	0.000	51.47	0.000	52.00	0.000
50.95	0.000	51.48	0.000	52.01	0.000
50.96	0.000	51.49	0.000	52.02	0.000
50.97	0.000	51.50	0.000	52.03	0.000
50.98	0.000	51.51	0.000	52.04	0.000
50.99	0.000	51.52	0.000	52.05	0.000
51.00	0.000	51.53	0.000	52.06	0.000
51.01	0.000	51.54	0.000	52.07	0.000
51.02	0.000	51.55	0.000	52.08	0.000
51.03	0.000	51.56	0.000	52.09	0.000
51.04	0.000	51.57	0.000	52.10	0.000
51.05	0.000	51.58	0.000	52.11	0.000
51.06	0.000	51.59	0.000	52.12	0.000
51.07	0.000	51.60	0.000	52.13	0.000
51.08	0.000	51.61	0.000	52.14	0.000
51.09	0.000	51.62	0.000	52.15	0.000
51.10	0.000	51.63	0.000	52.16	0.000
51.11	0.000	51.64	0.000	52.17	0.000
51.12	0.000	51.65	0.000	52.18	0.000
51.13	0.000	51.66	0.000	52.19	0.000
51.14	0.000	51.67	0.000	52.20	0.000
51.15	0.000	51.68	0.000	52.21	0.000
51.16	0.000	51.69	0.000	52.22	0.000
51.17	0.000	51.70	0.000	52.23	0.000
51.18	0.000	51.71	0.000	52.24	0.000
51.19	0.000	51.72	0.000	52.25	0.000
51.20	0.000	51.73	0.000	52.26	0.000
51.21	0.000	51.74	0.000	52.27	0.000
51.22	0.000	51.75	0.000	52.28	0.000
51.23	0.000	51.76	0.000	52.29	0.000
51.24	0.000	51.77	0.000	52.30	0.000
51.25	0.000	51.78	0.000	52.31	0.000
51.26	0.000	51.79	0.000	52.32	0.000
51.27	0.000	51.80	0.000	52.33	0.000
51.28	0.000	51.81	0.000	52.34	0.000
51.29	0.000	51.82	0.000		
51.30	0.000	51.83	0.000		
51.31	0.000	51.84	0.000		
51.32	0.000	51.85	0.000		
51.33	0.000	51.86	0.000		
51.34	0.000	51.87	0.000		
51.35	0.000	51.88	0.000		
51.36	0.000	51.89	0.000		

Summary for Pond 181P: DMH 7

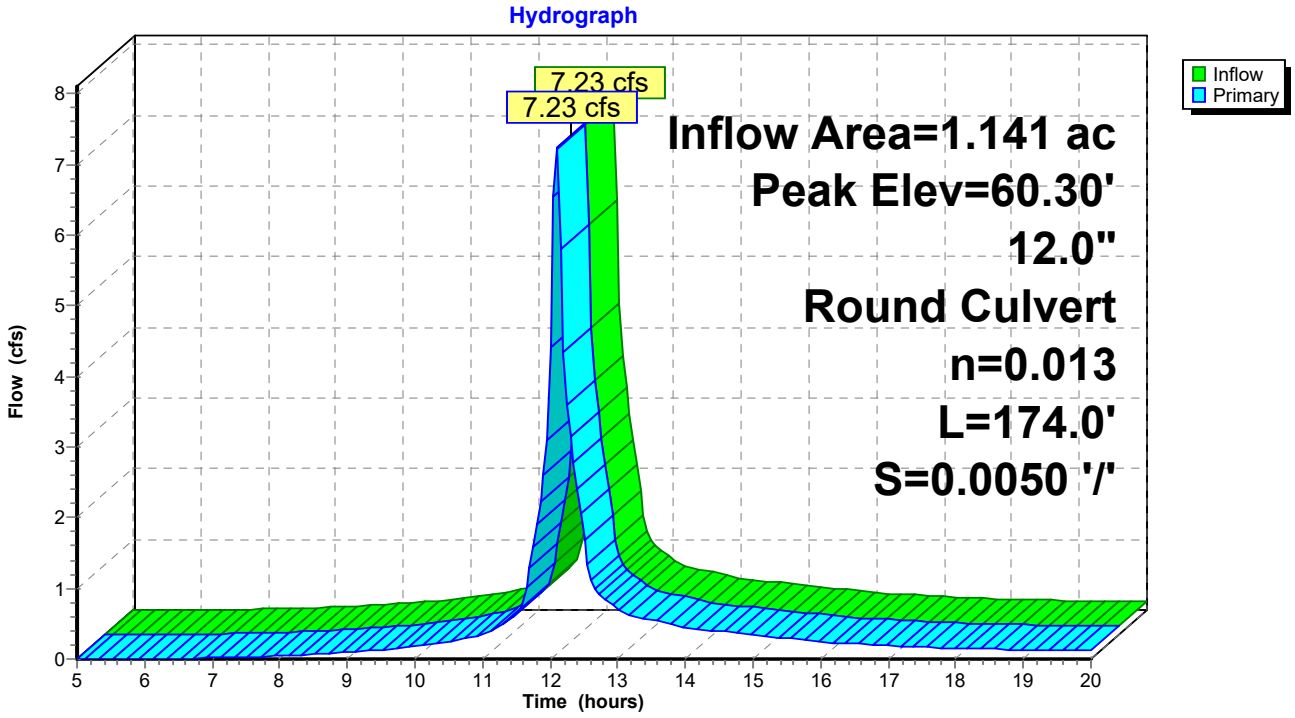
Inflow Area = 1.141 ac, 56.99% Impervious, Inflow Depth > 5.24" for 100-Year event
Inflow = 7.23 cfs @ 12.09 hrs, Volume= 0.499 af
Outflow = 7.23 cfs @ 12.09 hrs, Volume= 0.499 af, Atten= 0%, Lag= 0.0 min
Primary = 7.23 cfs @ 12.09 hrs, Volume= 0.499 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.30' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.49'	**12.0" Round Culvert** L= 174.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.49' / 49.62' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=7.09 cfs @ 12.09 hrs HW=59.93' (Free Discharge)
1=Culvert (Barrel Controls 7.09 cfs @ 9.02 fps)

Pond 181P: DMH 7



Stage-Area-Storage for Pond 181P: DMH 7

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.49	**0.000**	55.79	0.000
50.59	0.000	55.89	0.000
50.69	0.000	55.99	0.000
50.79	0.000	56.09	0.000
50.89	0.000	56.19	0.000
50.99	0.000	56.29	0.000
51.09	0.000	56.39	0.000
51.19	0.000	56.49	0.000
51.29	0.000	56.59	0.000
51.39	0.000	56.69	0.000
51.49	0.000	56.79	0.000
51.59	0.000	56.89	0.000
51.69	0.000	56.99	0.000
51.79	0.000	57.09	0.000
51.89	0.000	57.19	0.000
51.99	0.000	57.29	0.000
52.09	0.000	57.39	0.000
52.19	0.000	57.49	0.000
52.29	0.000	57.59	0.000
52.39	0.000	57.69	0.000
52.49	0.000	57.79	0.000
52.59	0.000	57.89	0.000
52.69	0.000	57.99	0.000
52.79	0.000	58.09	0.000
52.89	0.000	58.19	0.000
52.99	0.000	58.29	0.000
53.09	0.000	58.39	0.000
53.19	0.000	58.49	0.000
53.29	0.000	58.59	0.000
53.39	0.000	58.69	0.000
53.49	0.000	58.79	0.000
53.59	0.000	58.89	0.000
53.69	0.000	58.99	0.000
53.79	0.000	59.09	0.000
53.89	0.000	59.19	0.000
53.99	0.000	59.29	0.000
54.09	0.000	59.39	0.000
54.19	0.000	59.49	0.000
54.29	0.000	59.59	0.000
54.39	0.000	59.69	0.000
54.49	0.000	59.79	0.000
54.59	0.000	59.89	0.000
54.69	0.000	59.99	0.000
54.79	0.000	60.09	0.000
54.89	0.000	60.19	0.000
54.99	0.000		
55.09	0.000		
55.19	0.000		
55.29	0.000		
55.39	0.000		
55.49	0.000		
55.59	0.000		
55.69	0.000		

Summary for Pond 182P: CB 7

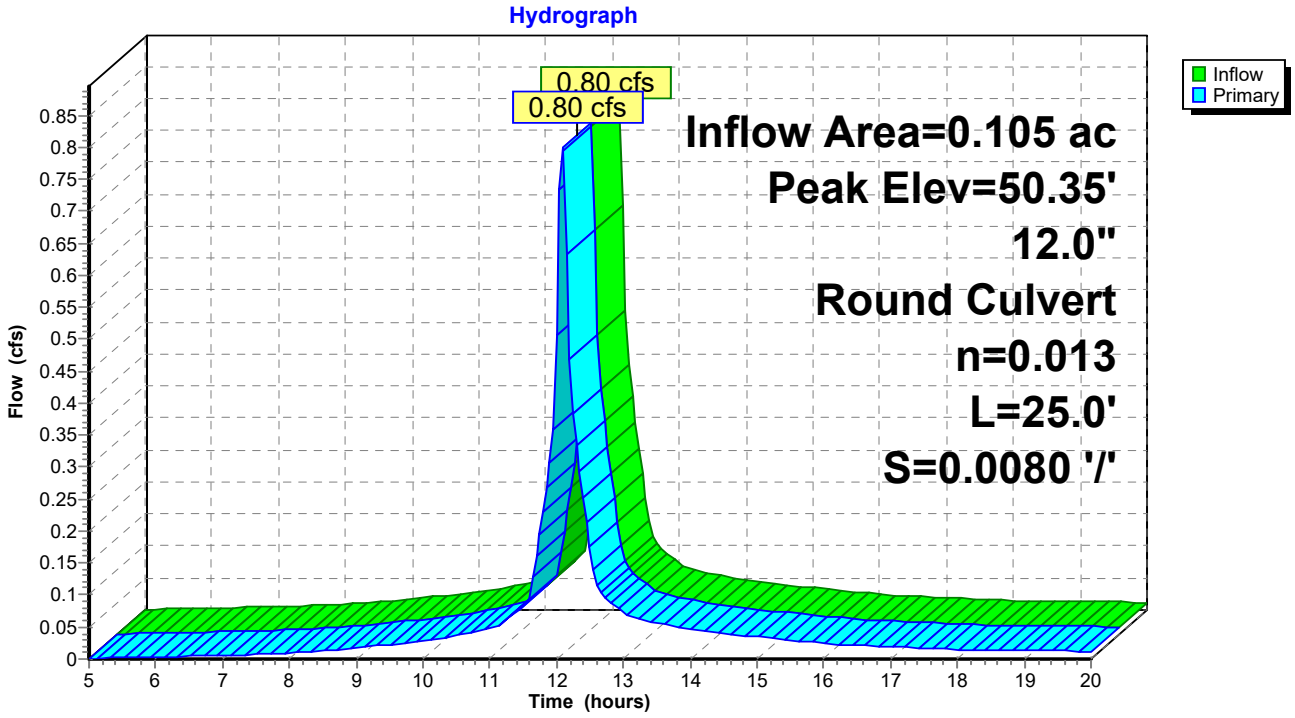
Inflow Area = 0.105 ac, 75.17% Impervious, Inflow Depth > 6.50" for 100-Year event
Inflow = 0.80 cfs @ 12.09 hrs, Volume= 0.057 af
Outflow = 0.80 cfs @ 12.09 hrs, Volume= 0.057 af, Atten= 0%, Lag= 0.0 min
Primary = 0.80 cfs @ 12.09 hrs, Volume= 0.057 af
Routed to Pond 175P : DMH 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.35' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.82'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.82' / 49.62' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.78 cfs @ 12.09 hrs HW=50.34' (Free Discharge)
1=Culvert (Barrel Controls 0.78 cfs @ 2.72 fps)

Pond 182P: CB 7



Stage-Area-Storage for Pond 182P: CB 7

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.82	**0.000**	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000	50.64	0.000
50.12	0.000	50.65	0.000
50.13	0.000	50.66	0.000
50.14	0.000	50.67	0.000
50.15	0.000	50.68	0.000
50.16	0.000	50.69	0.000
50.17	0.000	50.70	0.000
50.18	0.000	50.71	0.000
50.19	0.000	50.72	0.000
50.20	0.000	50.73	0.000
50.21	0.000	50.74	0.000
50.22	0.000	50.75	0.000
50.23	0.000	50.76	0.000
50.24	0.000	50.77	0.000
50.25	0.000	50.78	0.000
50.26	0.000	50.79	0.000
50.27	0.000	50.80	0.000
50.28	0.000	50.81	0.000
50.29	0.000	50.82	0.000
50.30	0.000		
50.31	0.000		
50.32	0.000		
50.33	0.000		
50.34	0.000		

Summary for Pond 185P: DMH 4

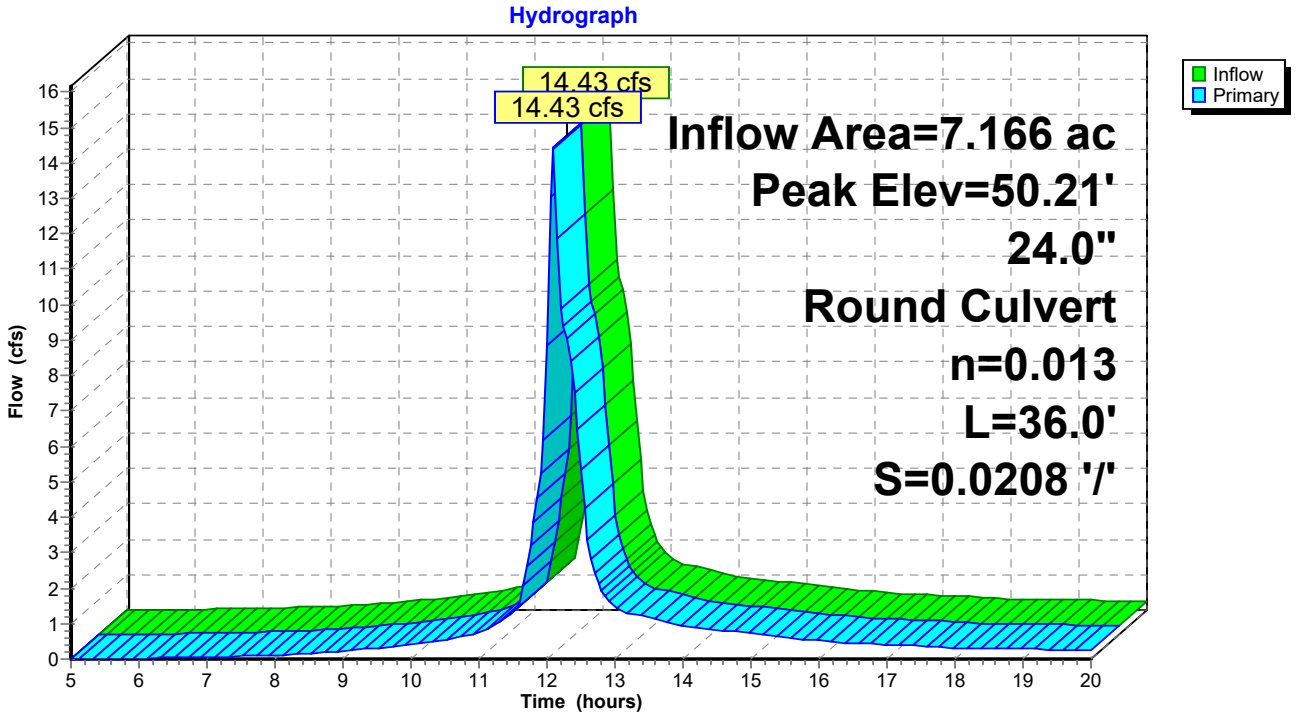
Inflow Area = 7.166 ac, 62.94% Impervious, Inflow Depth > 1.88" for 100-Year event
Inflow = 14.43 cfs @ 12.09 hrs, Volume= 1.121 af
Outflow = 14.43 cfs @ 12.09 hrs, Volume= 1.121 af, Atten= 0%, Lag= 0.0 min
Primary = 14.43 cfs @ 12.09 hrs, Volume= 1.121 af
Routed to Pond 197P : Inf. Basin 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.21' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	47.75'	**24.0" Round Culvert** L= 36.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.75' / 47.00' S= 0.0208 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=14.19 cfs @ 12.09 hrs HW=50.16' (Free Discharge)
1=Culvert (Inlet Controls 14.19 cfs @ 4.52 fps)

Pond 185P: DMH 4



Stage-Area-Storage for Pond 185P: DMH 4

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
47.75	**0.000**	48.81	0.000	49.87	0.000
47.77	0.000	48.83	0.000	49.89	0.000
47.79	0.000	48.85	0.000	49.91	0.000
47.81	0.000	48.87	0.000	49.93	0.000
47.83	0.000	48.89	0.000	49.95	0.000
47.85	0.000	48.91	0.000	49.97	0.000
47.87	0.000	48.93	0.000	49.99	0.000
47.89	0.000	48.95	0.000	50.01	0.000
47.91	0.000	48.97	0.000	50.03	0.000
47.93	0.000	48.99	0.000	50.05	0.000
47.95	0.000	49.01	0.000	50.07	0.000
47.97	0.000	49.03	0.000	50.09	0.000
47.99	0.000	49.05	0.000	50.11	0.000
48.01	0.000	49.07	0.000	50.13	0.000
48.03	0.000	49.09	0.000	50.15	0.000
48.05	0.000	49.11	0.000	50.17	0.000
48.07	0.000	49.13	0.000	50.19	0.000
48.09	0.000	49.15	0.000	50.21	0.000
48.11	0.000	49.17	0.000		
48.13	0.000	49.19	0.000		
48.15	0.000	49.21	0.000		
48.17	0.000	49.23	0.000		
48.19	0.000	49.25	0.000		
48.21	0.000	49.27	0.000		
48.23	0.000	49.29	0.000		
48.25	0.000	49.31	0.000		
48.27	0.000	49.33	0.000		
48.29	0.000	49.35	0.000		
48.31	0.000	49.37	0.000		
48.33	0.000	49.39	0.000		
48.35	0.000	49.41	0.000		
48.37	0.000	49.43	0.000		
48.39	0.000	49.45	0.000		
48.41	0.000	49.47	0.000		
48.43	0.000	49.49	0.000		
48.45	0.000	49.51	0.000		
48.47	0.000	49.53	0.000		
48.49	0.000	49.55	0.000		
48.51	0.000	49.57	0.000		
48.53	0.000	49.59	0.000		
48.55	0.000	49.61	0.000		
48.57	0.000	49.63	0.000		
48.59	0.000	49.65	0.000		
48.61	0.000	49.67	0.000		
48.63	0.000	49.69	0.000		
48.65	0.000	49.71	0.000		
48.67	0.000	49.73	0.000		
48.69	0.000	49.75	0.000		
48.71	0.000	49.77	0.000		
48.73	0.000	49.79	0.000		
48.75	0.000	49.81	0.000		
48.77	0.000	49.83	0.000		
48.79	0.000	49.85	0.000		

Summary for Pond 186P: Constructed Wetland 1

Inflow Area = 1.052 ac, 38.52% Impervious, Inflow Depth > 3.90" for 100-Year event
Inflow = 4.80 cfs @ 12.09 hrs, Volume= 0.342 af
Outflow = 3.82 cfs @ 12.16 hrs, Volume= 0.316 af, Atten= 20%, Lag= 4.1 min
Primary = 3.82 cfs @ 12.16 hrs, Volume= 0.316 af
Routed to Pond 197P : Inf. Basin 1
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.40' @ 12.16 hrs Surf.Area= 2,520 sf Storage= 2,697 cf

Plug-Flow detention time= 51.9 min calculated for 0.316 af (92% of inflow)
Center-of-Mass det. time= 25.4 min (810.4 - 785.0)

Volume	Invert	Avail.Storage	Storage Description
#1	46.00'	16,106 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

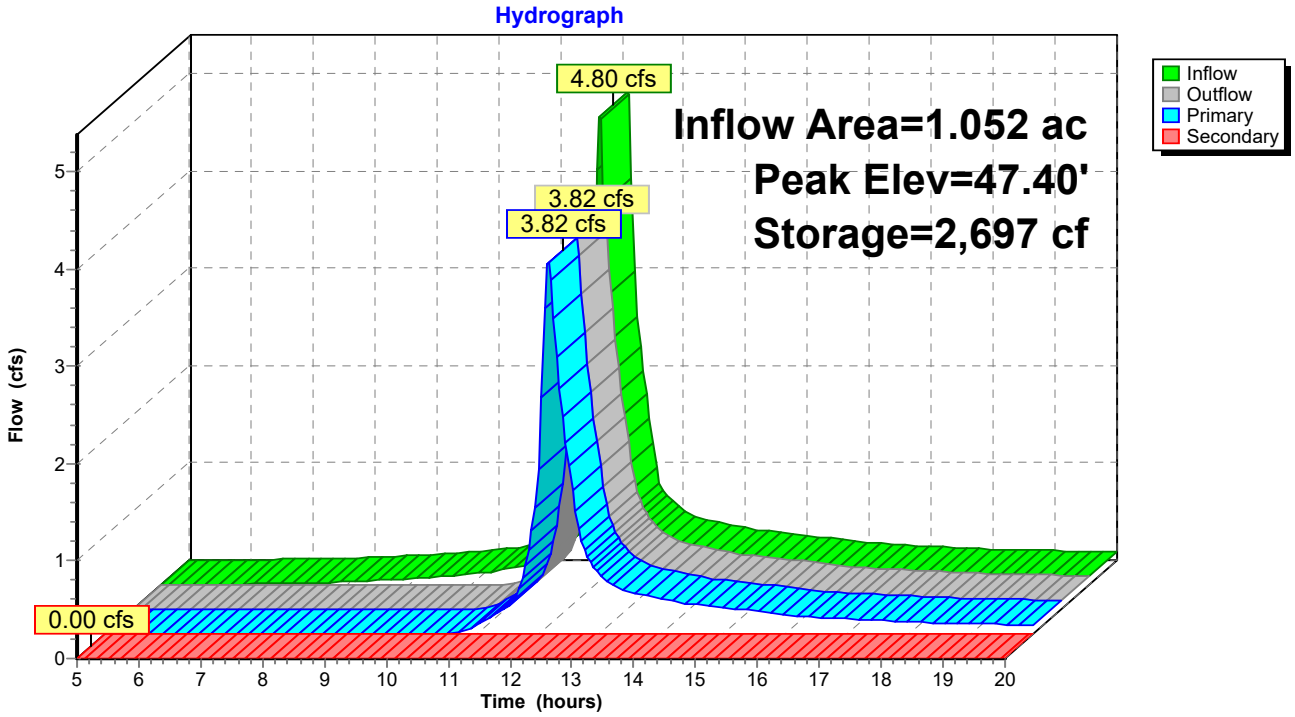
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
46.00	1,184	0	0
47.00	2,274	1,729	1,729
48.00	2,884	2,579	4,308
49.00	3,553	3,219	7,527
50.00	4,275	3,914	11,441
51.00	5,055	4,665	16,106

Device	Routing	Invert	Outlet Devices
#1	Secondary	46.00'	**12.0" Round Culvert** L= 186.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.00' / 43.50' S= 0.0134 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	49.20'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Primary	46.60'	**18.0" Round Culvert X 2.00** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.60' / 46.50' S= 0.0050 '/' Cc= 0.900 n= 0.013 Cast iron, coated, Flow Area= 1.77 sf

Primary OutFlow Max=3.76 cfs @ 12.16 hrs HW=47.40' (Free Discharge)
└**3=Culvert** (Barrel Controls 3.76 cfs @ 2.86 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=46.00' (Free Discharge)
└**1=Culvert** (Passes 0.00 cfs of 0.00 cfs potential flow)
└**2=Orifice/Grate** (Controls 0.00 cfs)

Pond 186P: Constructed Wetland 1



Stage-Area-Storage for Pond 186P: Constructed Wetland 1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
46.00	1,184	0
46.05	1,238	61
46.10	1,293	124
46.15	1,347	190
46.20	1,402	259
46.25	1,457	330
46.30	1,511	404
46.35	1,566	481
46.40	1,620	561
46.45	1,675	643
46.50	1,729	728
46.55	1,783	816
46.60	1,838	907
46.65	1,892	1,000
46.70	1,947	1,096
46.75	2,002	1,195
46.80	2,056	1,296
46.85	2,111	1,400
46.90	2,165	1,507
46.95	2,220	1,617
47.00	2,274	1,729
47.05	2,304	1,843
47.10	2,335	1,959
47.15	2,365	2,077
47.20	2,396	2,196
47.25	2,427	2,317
47.30	2,457	2,439
47.35	2,488	2,562
47.40	2,518	2,687
47.45	2,549	2,814
47.50	2,579	2,942
47.55	2,609	3,072
47.60	2,640	3,203
47.65	2,670	3,336
47.70	2,701	3,470
47.75	2,732	3,606
47.80	2,762	3,743
47.85	2,793	3,882
47.90	2,823	4,023
47.95	2,854	4,165
48.00	2,884	4,308
48.05	2,917	4,453
48.10	2,951	4,600
48.15	2,984	4,748
48.20	3,018	4,898
48.25	3,051	5,050
48.30	3,085	5,203
48.35	3,118	5,358
48.40	3,152	5,515
48.45	3,185	5,674
48.50	3,219	5,834
48.55	3,252	5,995
48.60	3,285	6,159
48.65	3,319	6,324
48.70	3,352	6,491
48.75	3,386	6,659
48.80	3,419	6,829
48.85	3,453	7,001
48.90	3,486	7,175
48.95	3,520	7,350
49.00	3,553	7,527
49.05	3,589	7,705
49.10	3,625	7,885
49.15	3,661	8,068
49.20	3,697	8,252
49.25	3,734	8,437
49.30	3,770	8,625
49.35	3,806	8,814
49.40	3,842	9,005
49.45	3,878	9,198
49.50	3,914	9,393
49.55	3,950	9,590
49.60	3,986	9,788
49.65	4,022	9,988
49.70	4,058	10,190
49.75	4,095	10,394
49.80	4,131	10,600
49.85	4,167	10,807
49.90	4,203	11,017
49.95	4,239	11,228
50.00	4,275	11,441
50.05	4,314	11,655
50.10	4,353	11,872
50.15	4,392	12,091
50.20	4,431	12,311
50.25	4,470	12,534
50.30	4,509	12,758
50.35	4,548	12,985
50.40	4,587	13,213
50.45	4,626	13,443
50.50	4,665	13,676
50.55	4,704	13,910
50.60	4,743	14,146
50.65	4,782	14,384
50.70	4,821	14,624
50.75	4,860	14,866
50.80	4,899	15,110
50.85	4,938	15,356
50.90	4,977	15,604
50.95	5,016	15,854
51.00	**5,055**	**16,106**

Summary for Pond 187P: Constructed Wetland 3

Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 6.79" for 100-Year event
Inflow = 11.05 cfs @ 12.18 hrs, Volume= 1.128 af
Outflow = 10.79 cfs @ 12.23 hrs, Volume= 0.998 af, Atten= 2%, Lag= 2.9 min
Primary = 10.79 cfs @ 12.23 hrs, Volume= 0.998 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 57.45' @ 12.23 hrs Surf.Area= 4,492 sf Storage= 7,841 cf

Plug-Flow detention time= 57.7 min calculated for 0.994 af (88% of inflow)
Center-of-Mass det. time= 23.1 min (797.9 - 774.8)

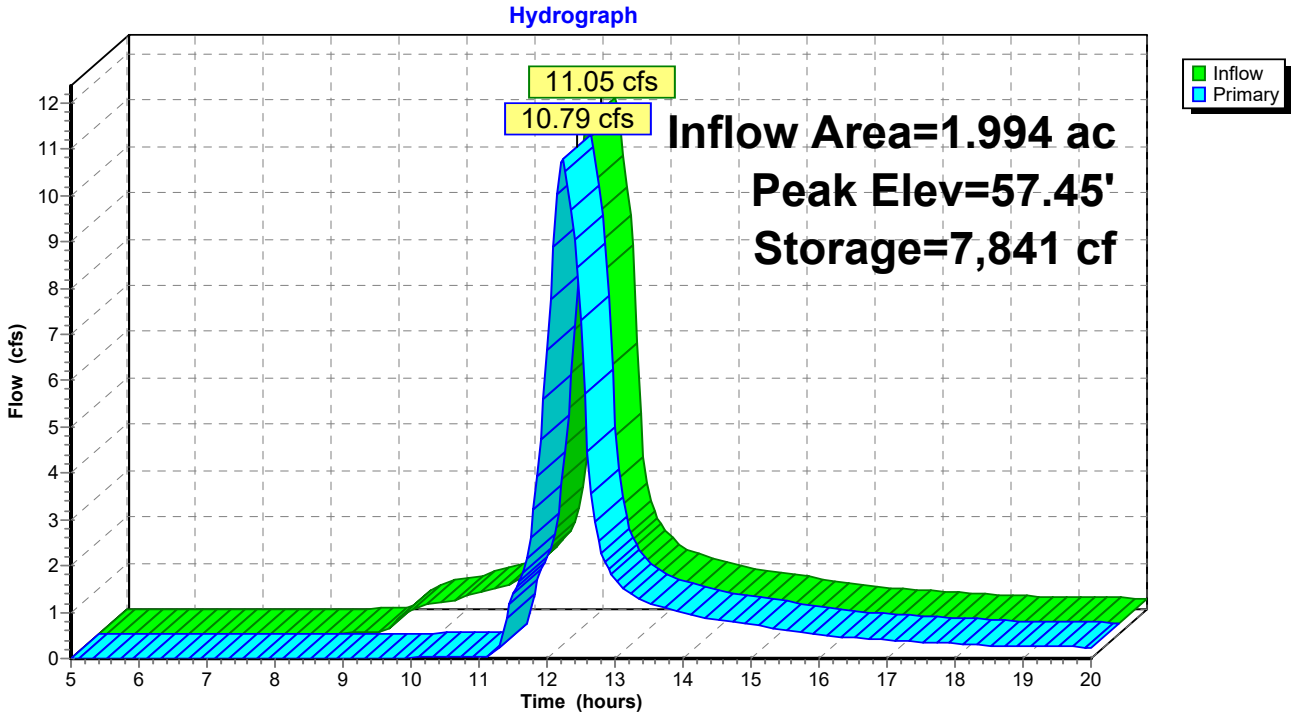
Volume	Invert	Avail.Storage	Storage Description
#1	55.00'	10,466 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
55.00	1,991	0	0
56.00	2,932	2,462	2,462
57.00	3,987	3,460	5,921
58.00	5,102	4,545	10,466

Device	Routing	Invert	Outlet Devices
#1	Primary	55.00'	**24.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 55.00' / 54.00' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf
#2	Device 1	55.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.90'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=10.74 cfs @ 12.23 hrs HW=57.45' (Free Discharge)
└**1=Culvert** (Passes 10.74 cfs of 14.38 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.04 cfs @ 7.47 fps)
  └**3=Orifice/Grate** (Weir Controls 10.70 cfs @ 2.43 fps)

Pond 187P: Constructed Wetland 3



Stage-Area-Storage for Pond 187P: Constructed Wetland 3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
55.00	1,991	0
55.05	2,038	101
55.10	2,085	204
55.15	2,132	309
55.20	2,179	417
55.25	2,226	527
55.30	2,273	640
55.35	2,320	754
55.40	2,367	872
55.45	2,414	991
55.50	2,462	1,113
55.55	2,509	1,237
55.60	2,556	1,364
55.65	2,603	1,493
55.70	2,650	1,624
55.75	2,697	1,758
55.80	2,744	1,894
55.85	2,791	2,032
55.90	2,838	2,173
55.95	2,885	2,316
56.00	2,932	2,462
56.05	2,985	2,609
56.10	3,038	2,760
56.15	3,090	2,913
56.20	3,143	3,069
56.25	3,196	3,227
56.30	3,248	3,389
56.35	3,301	3,552
56.40	3,354	3,719
56.45	3,407	3,888
56.50	3,460	4,059
56.55	3,512	4,234
56.60	3,565	4,411
56.65	3,618	4,590
56.70	3,671	4,772
56.75	3,723	4,957
56.80	3,776	5,145
56.85	3,829	5,335
56.90	3,881	5,528
56.95	3,934	5,723
57.00	3,987	5,921
57.05	4,043	6,122
57.10	4,099	6,325
57.15	4,154	6,532
57.20	4,210	6,741
57.25	4,266	6,953
57.30	4,321	7,167
57.35	4,377	7,385
57.40	4,433	7,605
57.45	4,489	7,828
57.50	4,545	8,054
57.55	4,600	8,282
57.60	4,656	8,514
57.65	4,712	8,748
57.70	4,768	8,985
57.75	4,823	9,225
57.80	4,879	9,467
57.85	4,935	9,713
57.90	4,990	9,961
57.95	5,046	10,212
58.00	**5,102**	**10,466**

Summary for Pond 188P: CB 3

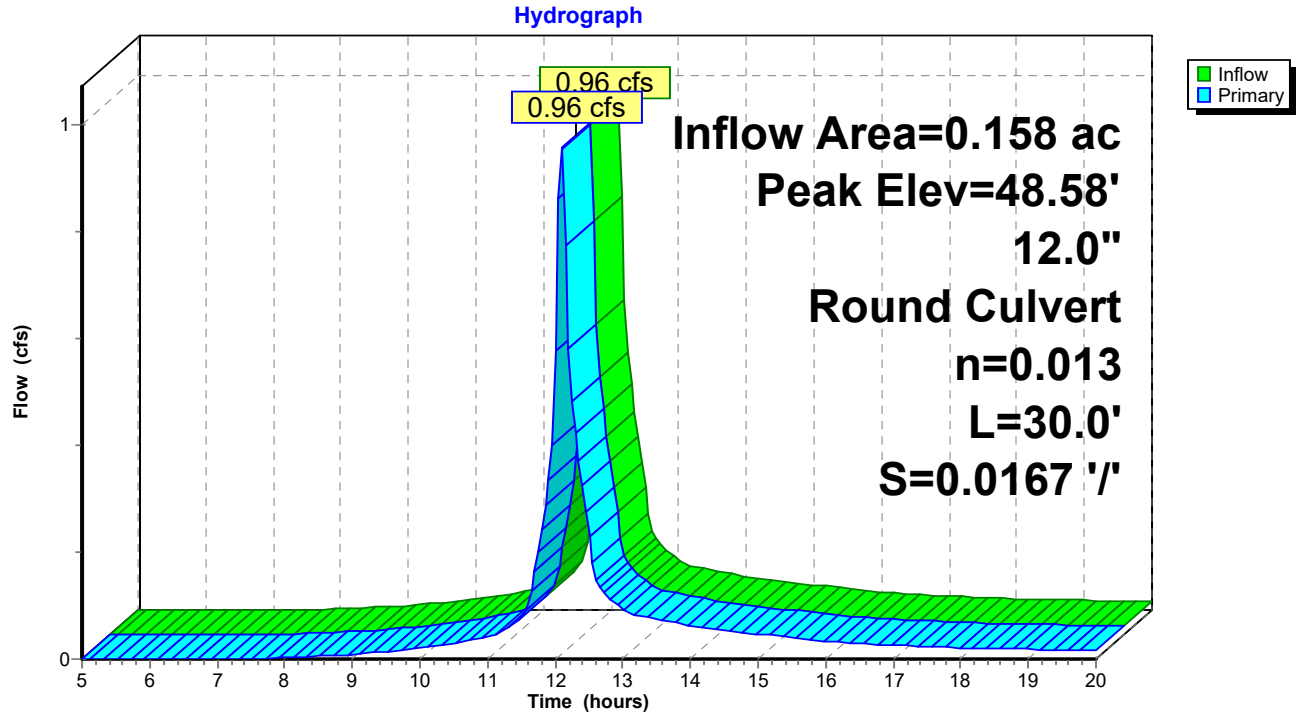
Inflow Area = 0.158 ac, 54.66% Impervious, Inflow Depth > 4.94" for 100-Year event
Inflow = 0.96 cfs @ 12.09 hrs, Volume= 0.065 af
Outflow = 0.96 cfs @ 12.09 hrs, Volume= 0.065 af, Atten= 0%, Lag= 0.0 min
Primary = 0.96 cfs @ 12.09 hrs, Volume= 0.065 af
Routed to Pond 190P : DMH 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.58' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 30.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.50' S= 0.0167 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.94 cfs @ 12.09 hrs HW=48.57' (Free Discharge)
1=Culvert (Inlet Controls 0.94 cfs @ 2.03 fps)

Pond 188P: CB 3



Stage-Area-Storage for Pond 188P: CB 3

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 189P: CB 4

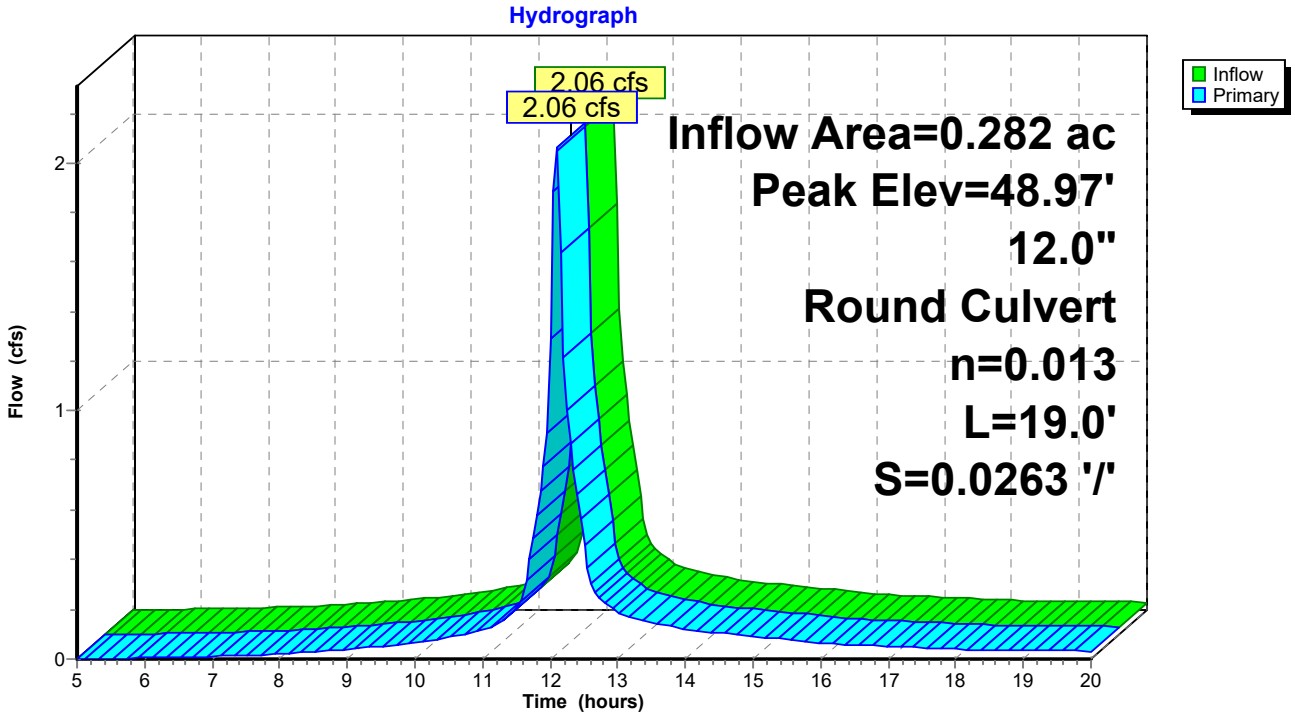
Inflow Area = 0.282 ac, 69.07% Impervious, Inflow Depth > 6.14" for 100-Year event
Inflow = 2.06 cfs @ 12.09 hrs, Volume= 0.144 af
Outflow = 2.06 cfs @ 12.09 hrs, Volume= 0.144 af, Atten= 0%, Lag= 0.0 min
Primary = 2.06 cfs @ 12.09 hrs, Volume= 0.144 af
Routed to Pond 190P : DMH 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 19.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.50' S= 0.0263 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.02 cfs @ 12.09 hrs HW=48.95' (Free Discharge)
1=Culvert (Inlet Controls 2.02 cfs @ 2.62 fps)

Pond 189P: CB 4



Stage-Area-Storage for Pond 189P: CB 4

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000
48.01	0.000	48.54	0.000
48.02	0.000	48.55	0.000
48.03	0.000	48.56	0.000
48.04	0.000	48.57	0.000
48.05	0.000	48.58	0.000
48.06	0.000	48.59	0.000
48.07	0.000	48.60	0.000
48.08	0.000	48.61	0.000
48.09	0.000	48.62	0.000
48.10	0.000	48.63	0.000
48.11	0.000	48.64	0.000
48.12	0.000	48.65	0.000
48.13	0.000	48.66	0.000
48.14	0.000	48.67	0.000
48.15	0.000	48.68	0.000
48.16	0.000	48.69	0.000
48.17	0.000	48.70	0.000
48.18	0.000	48.71	0.000
48.19	0.000	48.72	0.000
48.20	0.000	48.73	0.000
48.21	0.000	48.74	0.000
48.22	0.000	48.75	0.000
48.23	0.000	48.76	0.000
48.24	0.000	48.77	0.000
48.25	0.000	48.78	0.000
48.26	0.000	48.79	0.000
48.27	0.000	48.80	0.000
48.28	0.000	48.81	0.000
48.29	0.000	48.82	0.000
48.30	0.000	48.83	0.000
48.31	0.000	48.84	0.000
48.32	0.000	48.85	0.000
48.33	0.000	48.86	0.000
48.34	0.000	48.87	0.000
48.35	0.000	48.88	0.000
48.36	0.000	48.89	0.000
48.37	0.000	48.90	0.000
48.38	0.000	48.91	0.000
48.39	0.000	48.92	0.000
48.40	0.000	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000		
48.49	0.000		
48.50	0.000		
48.51	0.000		
48.52	0.000		

Summary for Pond 190P: DMH 3

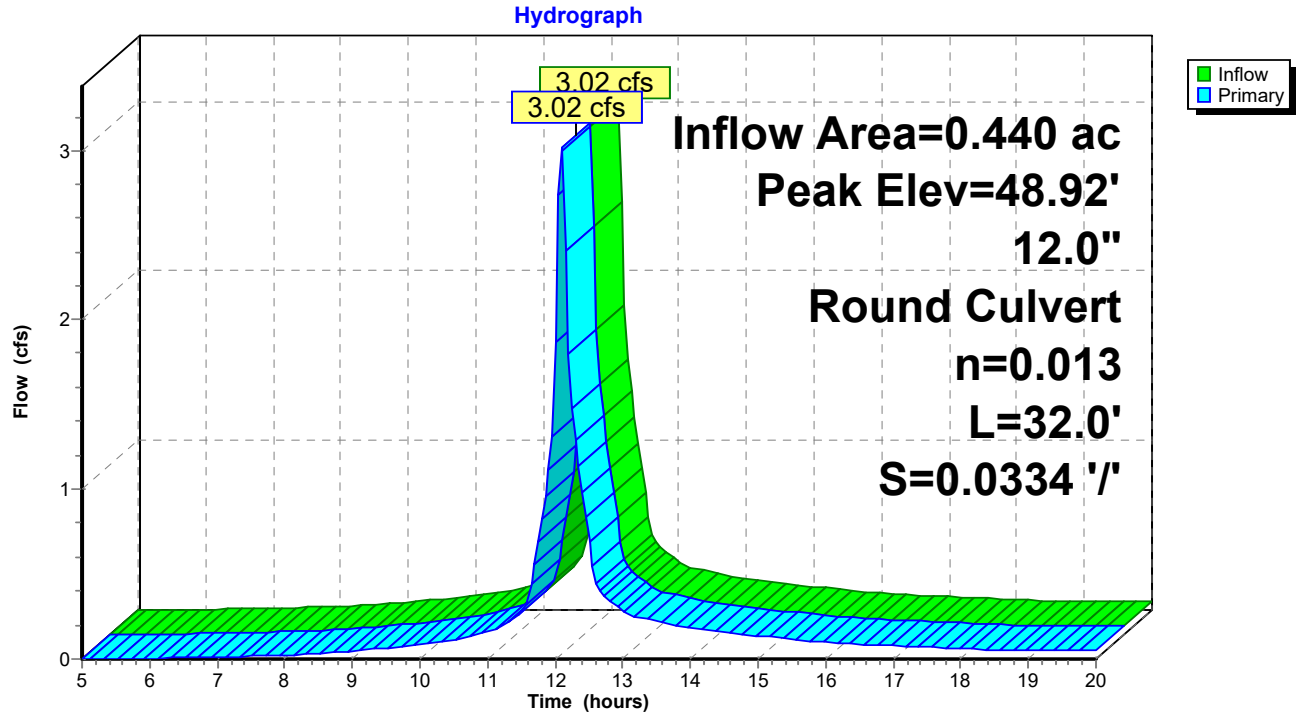
Inflow Area = 0.440 ac, 63.90% Impervious, Inflow Depth > 5.71" for 100-Year event
Inflow = 3.02 cfs @ 12.09 hrs, Volume= 0.209 af
Outflow = 3.02 cfs @ 12.09 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.02 cfs @ 12.09 hrs, Volume= 0.209 af
Routed to Pond 213P : DMH 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	47.40'	**12.0" Round Culvert** L= 32.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.40' / 46.33' S= 0.0334 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.95 cfs @ 12.09 hrs HW=48.88' (Free Discharge)
1=Culvert (Inlet Controls 2.95 cfs @ 3.76 fps)

Pond 190P: DMH 3



Stage-Area-Storage for Pond 190P: DMH 3

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
47.40	**0.000**	47.93	0.000	48.46	0.000
47.41	0.000	47.94	0.000	48.47	0.000
47.42	0.000	47.95	0.000	48.48	0.000
47.43	0.000	47.96	0.000	48.49	0.000
47.44	0.000	47.97	0.000	48.50	0.000
47.45	0.000	47.98	0.000	48.51	0.000
47.46	0.000	47.99	0.000	48.52	0.000
47.47	0.000	48.00	0.000	48.53	0.000
47.48	0.000	48.01	0.000	48.54	0.000
47.49	0.000	48.02	0.000	48.55	0.000
47.50	0.000	48.03	0.000	48.56	0.000
47.51	0.000	48.04	0.000	48.57	0.000
47.52	0.000	48.05	0.000	48.58	0.000
47.53	0.000	48.06	0.000	48.59	0.000
47.54	0.000	48.07	0.000	48.60	0.000
47.55	0.000	48.08	0.000	48.61	0.000
47.56	0.000	48.09	0.000	48.62	0.000
47.57	0.000	48.10	0.000	48.63	0.000
47.58	0.000	48.11	0.000	48.64	0.000
47.59	0.000	48.12	0.000	48.65	0.000
47.60	0.000	48.13	0.000	48.66	0.000
47.61	0.000	48.14	0.000	48.67	0.000
47.62	0.000	48.15	0.000	48.68	0.000
47.63	0.000	48.16	0.000	48.69	0.000
47.64	0.000	48.17	0.000	48.70	0.000
47.65	0.000	48.18	0.000	48.71	0.000
47.66	0.000	48.19	0.000	48.72	0.000
47.67	0.000	48.20	0.000	48.73	0.000
47.68	0.000	48.21	0.000	48.74	0.000
47.69	0.000	48.22	0.000	48.75	0.000
47.70	0.000	48.23	0.000	48.76	0.000
47.71	0.000	48.24	0.000	48.77	0.000
47.72	0.000	48.25	0.000	48.78	0.000
47.73	0.000	48.26	0.000	48.79	0.000
47.74	0.000	48.27	0.000	48.80	0.000
47.75	0.000	48.28	0.000	48.81	0.000
47.76	0.000	48.29	0.000	48.82	0.000
47.77	0.000	48.30	0.000	48.83	0.000
47.78	0.000	48.31	0.000	48.84	0.000
47.79	0.000	48.32	0.000	48.85	0.000
47.80	0.000	48.33	0.000	48.86	0.000
47.81	0.000	48.34	0.000	48.87	0.000
47.82	0.000	48.35	0.000	48.88	0.000
47.83	0.000	48.36	0.000	48.89	0.000
47.84	0.000	48.37	0.000	48.90	0.000
47.85	0.000	48.38	0.000	48.91	0.000
47.86	0.000	48.39	0.000	48.92	0.000
47.87	0.000	48.40	0.000		
47.88	0.000	48.41	0.000		
47.89	0.000	48.42	0.000		
47.90	0.000	48.43	0.000		
47.91	0.000	48.44	0.000		
47.92	0.000	48.45	0.000		

Summary for Pond 191P: CB 42

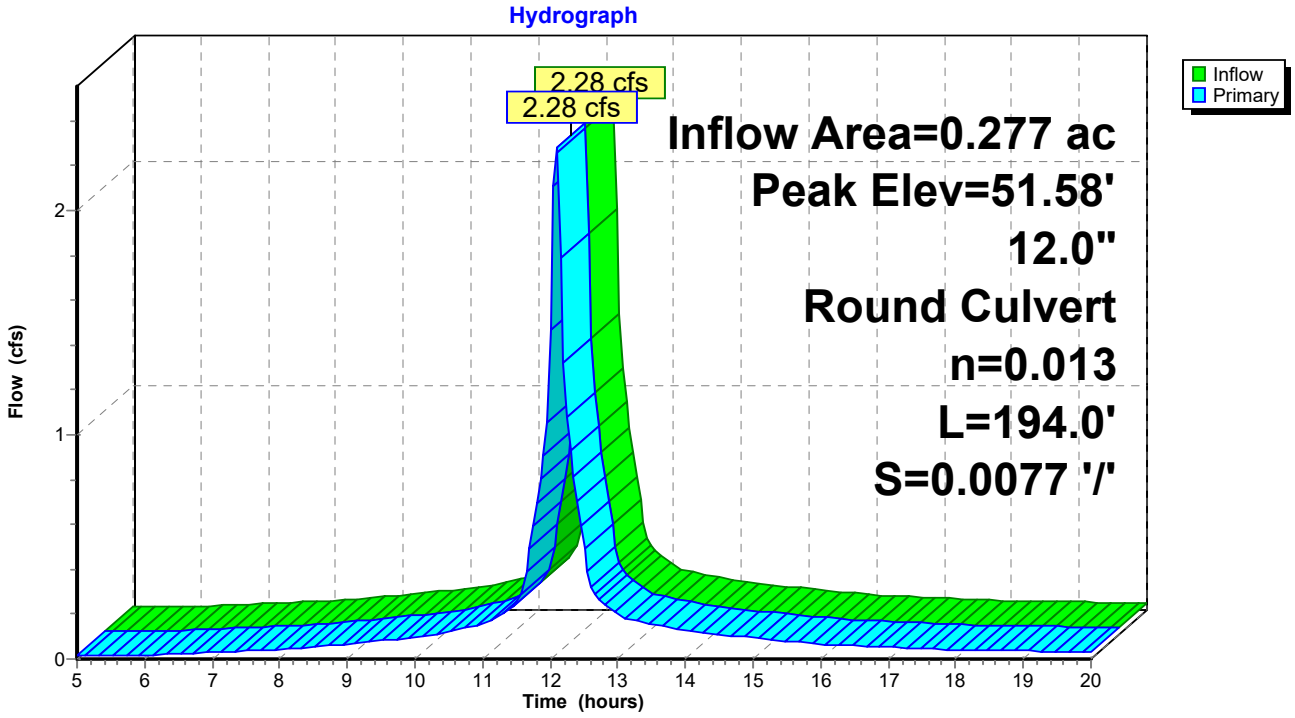
Inflow Area = 0.277 ac, 85.87% Impervious, Inflow Depth > 7.29" for 100-Year event
Inflow = 2.28 cfs @ 12.09 hrs, Volume= 0.168 af
Outflow = 2.28 cfs @ 12.09 hrs, Volume= 0.168 af, Atten= 0%, Lag= 0.0 min
Primary = 2.28 cfs @ 12.09 hrs, Volume= 0.168 af
Routed to Pond 146P : Inf. Basin 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.58' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.50'	**12.0" Round Culvert** L= 194.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.50' / 49.00' S= 0.0077 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.22 cfs @ 12.09 hrs HW=51.55' (Free Discharge)
1=Culvert (Inlet Controls 2.22 cfs @ 2.83 fps)

Pond 191P: CB 42



Stage-Area-Storage for Pond 191P: CB 42

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.50	**0.000**	51.03	0.000	51.56	0.000
50.51	0.000	51.04	0.000	51.57	0.000
50.52	0.000	51.05	0.000	51.58	0.000
50.53	0.000	51.06	0.000		
50.54	0.000	51.07	0.000		
50.55	0.000	51.08	0.000		
50.56	0.000	51.09	0.000		
50.57	0.000	51.10	0.000		
50.58	0.000	51.11	0.000		
50.59	0.000	51.12	0.000		
50.60	0.000	51.13	0.000		
50.61	0.000	51.14	0.000		
50.62	0.000	51.15	0.000		
50.63	0.000	51.16	0.000		
50.64	0.000	51.17	0.000		
50.65	0.000	51.18	0.000		
50.66	0.000	51.19	0.000		
50.67	0.000	51.20	0.000		
50.68	0.000	51.21	0.000		
50.69	0.000	51.22	0.000		
50.70	0.000	51.23	0.000		
50.71	0.000	51.24	0.000		
50.72	0.000	51.25	0.000		
50.73	0.000	51.26	0.000		
50.74	0.000	51.27	0.000		
50.75	0.000	51.28	0.000		
50.76	0.000	51.29	0.000		
50.77	0.000	51.30	0.000		
50.78	0.000	51.31	0.000		
50.79	0.000	51.32	0.000		
50.80	0.000	51.33	0.000		
50.81	0.000	51.34	0.000		
50.82	0.000	51.35	0.000		
50.83	0.000	51.36	0.000		
50.84	0.000	51.37	0.000		
50.85	0.000	51.38	0.000		
50.86	0.000	51.39	0.000		
50.87	0.000	51.40	0.000		
50.88	0.000	51.41	0.000		
50.89	0.000	51.42	0.000		
50.90	0.000	51.43	0.000		
50.91	0.000	51.44	0.000		
50.92	0.000	51.45	0.000		
50.93	0.000	51.46	0.000		
50.94	0.000	51.47	0.000		
50.95	0.000	51.48	0.000		
50.96	0.000	51.49	0.000		
50.97	0.000	51.50	0.000		
50.98	0.000	51.51	0.000		
50.99	0.000	51.52	0.000		
51.00	0.000	51.53	0.000		
51.01	0.000	51.54	0.000		
51.02	0.000	51.55	0.000		

Summary for Pond 192P: Sub. Inf. 8

Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 5.78" for 100-Year event
Inflow = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 0.46 cfs @ 12.42 hrs, Volume= 0.103 af, Atten= 69%, Lag= 19.7 min
Discarded = 0.46 cfs @ 12.42 hrs, Volume= 0.103 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.82' @ 12.42 hrs Surf.Area= 0.022 ac Storage= 0.021 af

Plug-Flow detention time= 11.9 min calculated for 0.103 af (100% of inflow)
Center-of-Mass det. time= 11.8 min (785.1 - 773.3)

Volume	Invert	Avail.Storage	Storage Description
#1A	50.33'	0.020 af	**20.50'W x 46.34'L x 3.50'H Field A** 0.076 af Overall - 0.026 af Embedded = 0.051 af x 40.0% Voids
#2A	50.83'	0.026 af	**ADS_StormTech SC-740 b +Cap** x 24 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 24 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.046 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.33'	**15.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 46.50'

Discarded OutFlow Max=0.46 cfs @ 12.42 hrs HW=51.82' (Free Discharge)
↑**1=Exfiltration** (Controls 0.46 cfs)

Pond 192P: Sub. Inf. 8 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

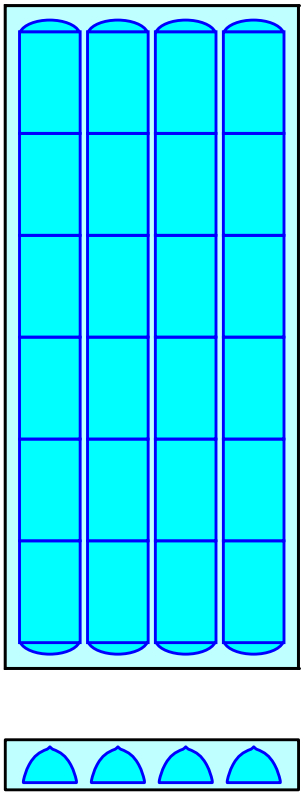
6 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 44.34' Row Length +12.0" End Stone x 2 = 46.34' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

24 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 1,123.8 cf Chamber Storage

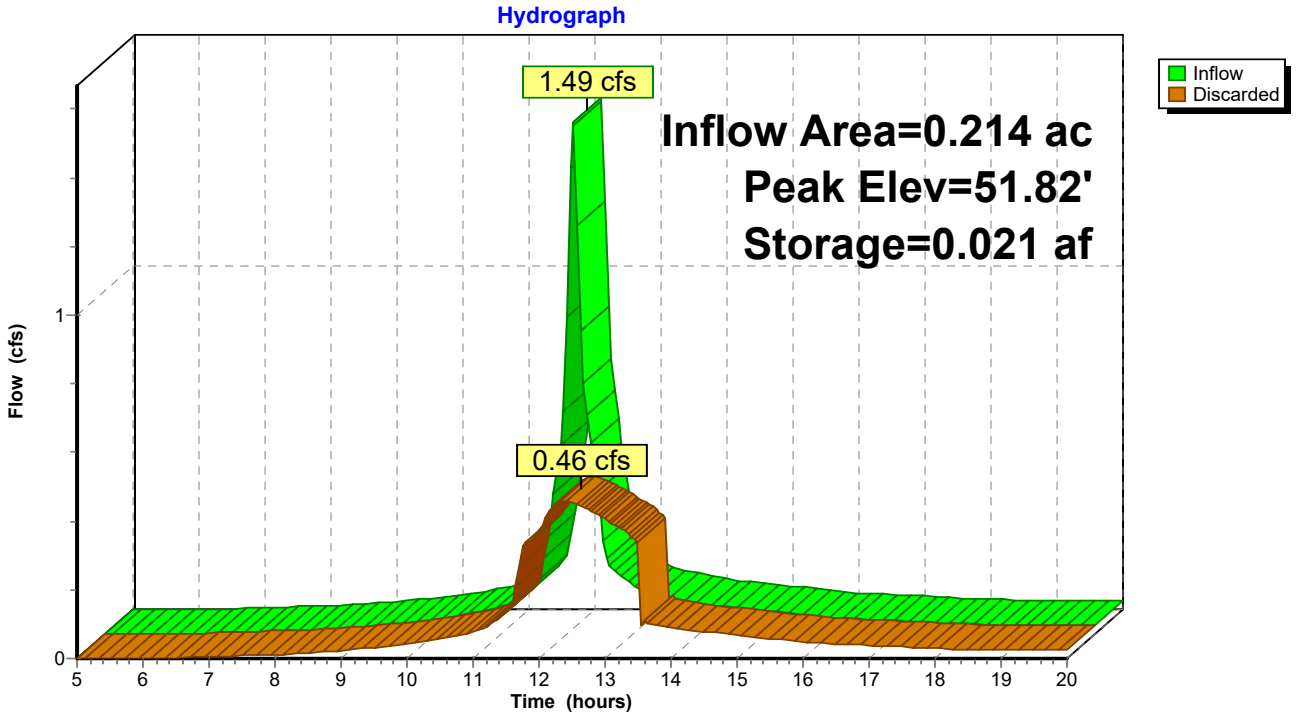
3,324.7 cf Field - 1,123.8 cf Chambers = 2,200.9 cf Stone x 40.0% Voids = 880.3 cf Stone Storage

Chamber Storage + Stone Storage = 2,004.1 cf = 0.046 af
Overall Storage Efficiency = 60.3%
Overall System Size = 46.34' x 20.50' x 3.50'

24 Chambers
123.1 cy Field
81.5 cy Stone



Pond 192P: Sub. Inf. 8



Stage-Area-Storage for Pond 192P: Sub. Inf. 8

Elevation (feet)	Surface (acres)	Storage (acre-feet)
50.33	**0.022**	0.000
50.38	0.022	0.000
50.43	0.022	0.001
50.48	0.022	0.001
50.53	0.022	0.002
50.58	0.022	0.002
50.63	0.022	0.003
50.68	0.022	0.003
50.73	0.022	0.003
50.78	0.022	0.004
50.83	0.022	0.004
50.88	0.022	0.005
50.93	0.022	0.006
50.98	0.022	0.007
51.03	0.022	0.008
51.08	0.022	0.009
51.13	0.022	0.010
51.18	0.022	0.011
51.23	0.022	0.011
51.28	0.022	0.012
51.33	0.022	0.013
51.38	0.022	0.014
51.43	0.022	0.015
51.48	0.022	0.016
51.53	0.022	0.016
51.58	0.022	0.017
51.63	0.022	0.018
51.68	0.022	0.019
51.73	0.022	0.020
51.78	0.022	0.021
51.83	0.022	0.021
51.88	0.022	0.022
51.93	0.022	0.023
51.98	0.022	0.024
52.03	0.022	0.025
52.08	0.022	0.025
52.13	0.022	0.026
52.18	0.022	0.027
52.23	0.022	0.028
52.28	0.022	0.029
52.33	0.022	0.029
52.38	0.022	0.030
52.43	0.022	0.031
52.48	0.022	0.032
52.53	0.022	0.032
52.58	0.022	0.033
52.63	0.022	0.034
52.68	0.022	0.034
52.73	0.022	0.035
52.78	0.022	0.036
52.83	0.022	0.036
52.88	0.022	0.037
52.93	0.022	0.038
52.98	0.022	0.038
53.03	0.022	0.039
53.08	0.022	0.039
53.13	0.022	0.040
53.18	0.022	0.040
53.23	0.022	0.041
53.28	0.022	0.041
53.33	0.022	0.042
53.38	0.022	0.042
53.43	0.022	0.043
53.48	0.022	0.043
53.53	0.022	0.043
53.58	0.022	0.044
53.63	0.022	0.044
53.68	0.022	0.045
53.73	0.022	0.045
53.78	0.022	0.046
53.83	0.022	**0.046**

Summary for Pond 193P: CB 1

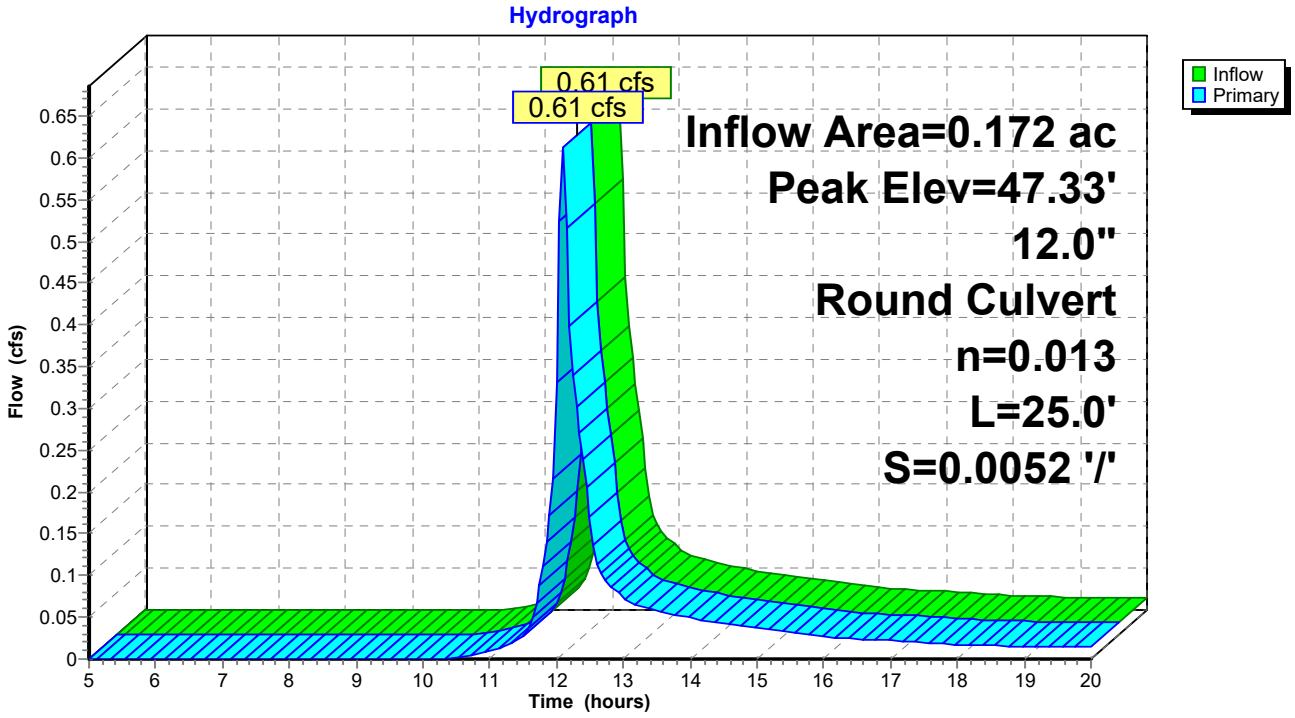
Inflow Area = 0.172 ac, 31.70% Impervious, Inflow Depth > 2.93" for 100-Year event
Inflow = 0.61 cfs @ 12.10 hrs, Volume= 0.042 af
Outflow = 0.61 cfs @ 12.10 hrs, Volume= 0.042 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.10 hrs, Volume= 0.042 af
Routed to Pond 200P : DMH 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.33' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.84'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.84' / 46.71' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.10 hrs HW=47.33' (Free Discharge)
1=Culvert (Barrel Controls 0.61 cfs @ 2.34 fps)

Pond 193P: CB 1



Stage-Area-Storage for Pond 193P: CB 1

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.84	**0.000**	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000	47.67	0.000
47.15	0.000	47.68	0.000
47.16	0.000	47.69	0.000
47.17	0.000	47.70	0.000
47.18	0.000	47.71	0.000
47.19	0.000	47.72	0.000
47.20	0.000	47.73	0.000
47.21	0.000	47.74	0.000
47.22	0.000	47.75	0.000
47.23	0.000	47.76	0.000
47.24	0.000	47.77	0.000
47.25	0.000	47.78	0.000
47.26	0.000	47.79	0.000
47.27	0.000	47.80	0.000
47.28	0.000	47.81	0.000
47.29	0.000	47.82	0.000
47.30	0.000	47.83	0.000
47.31	0.000	47.84	0.000
47.32	0.000		
47.33	0.000		
47.34	0.000		
47.35	0.000		
47.36	0.000		

Summary for Pond 194P: CB 2

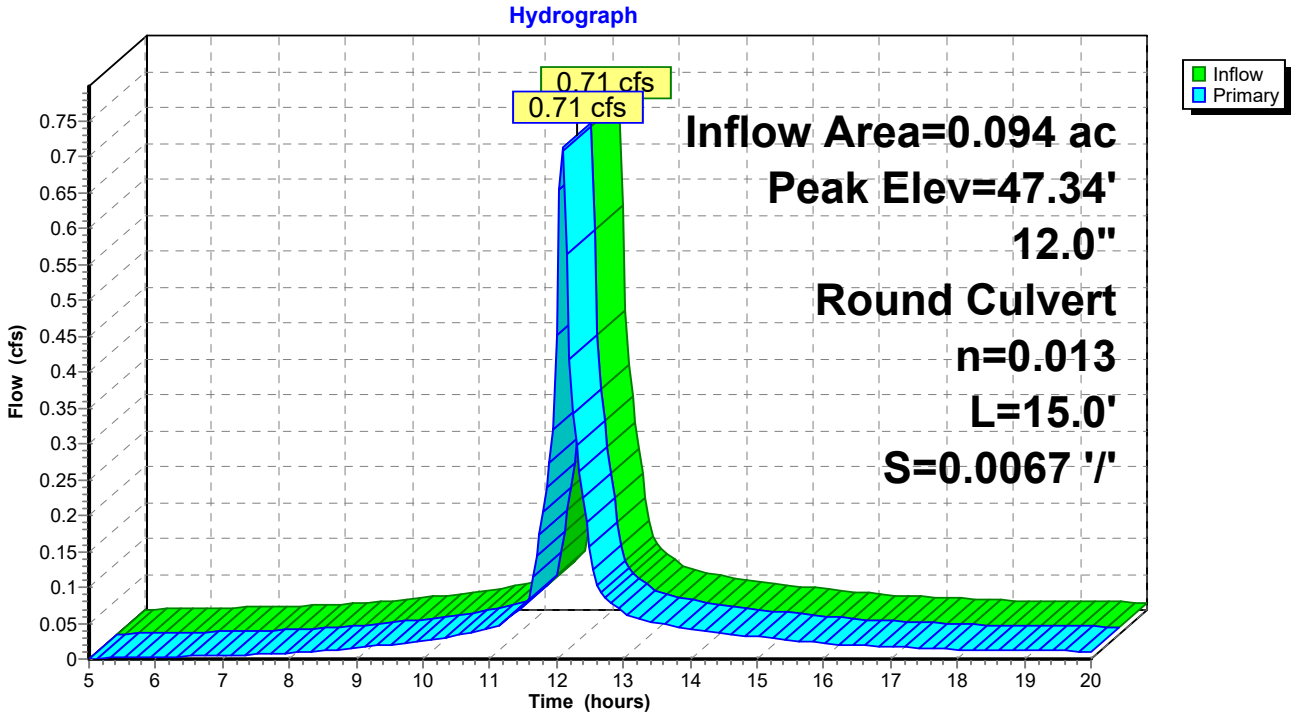
Inflow Area = 0.094 ac, 74.38% Impervious, Inflow Depth > 6.50" for 100-Year event
Inflow = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af
Outflow = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.71 cfs @ 12.09 hrs, Volume= 0.051 af
Routed to Pond 200P : DMH 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.34' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.81'	**12.0" Round Culvert** L= 15.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.81' / 46.71' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.70 cfs @ 12.09 hrs HW=47.33' (Free Discharge)
1=Culvert (Barrel Controls 0.70 cfs @ 2.44 fps)

Pond 194P: CB 2



Stage-Area-Storage for Pond 194P: CB 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.81	**0.000**	47.34	0.000
46.82	0.000	47.35	0.000
46.83	0.000	47.36	0.000
46.84	0.000	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000	47.67	0.000
47.15	0.000	47.68	0.000
47.16	0.000	47.69	0.000
47.17	0.000	47.70	0.000
47.18	0.000	47.71	0.000
47.19	0.000	47.72	0.000
47.20	0.000	47.73	0.000
47.21	0.000	47.74	0.000
47.22	0.000	47.75	0.000
47.23	0.000	47.76	0.000
47.24	0.000	47.77	0.000
47.25	0.000	47.78	0.000
47.26	0.000	47.79	0.000
47.27	0.000	47.80	0.000
47.28	0.000	47.81	0.000
47.29	0.000		
47.30	0.000		
47.31	0.000		
47.32	0.000		
47.33	0.000		

Summary for Pond 195P: Constructed Wetland 4

Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 6.38" for 100-Year event
Inflow = 5.20 cfs @ 12.37 hrs, Volume= 1.029 af
Outflow = 5.19 cfs @ 12.41 hrs, Volume= 0.883 af, Atten= 0%, Lag= 2.7 min
Primary = 5.19 cfs @ 12.41 hrs, Volume= 0.883 af
Routed to Link 188L : DP 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.57' @ 12.41 hrs Surf.Area= 3,404 sf Storage= 8,039 cf

Plug-Flow detention time= 70.9 min calculated for 0.883 af (86% of inflow)
Center-of-Mass det. time= 35.5 min (814.4 - 778.8)

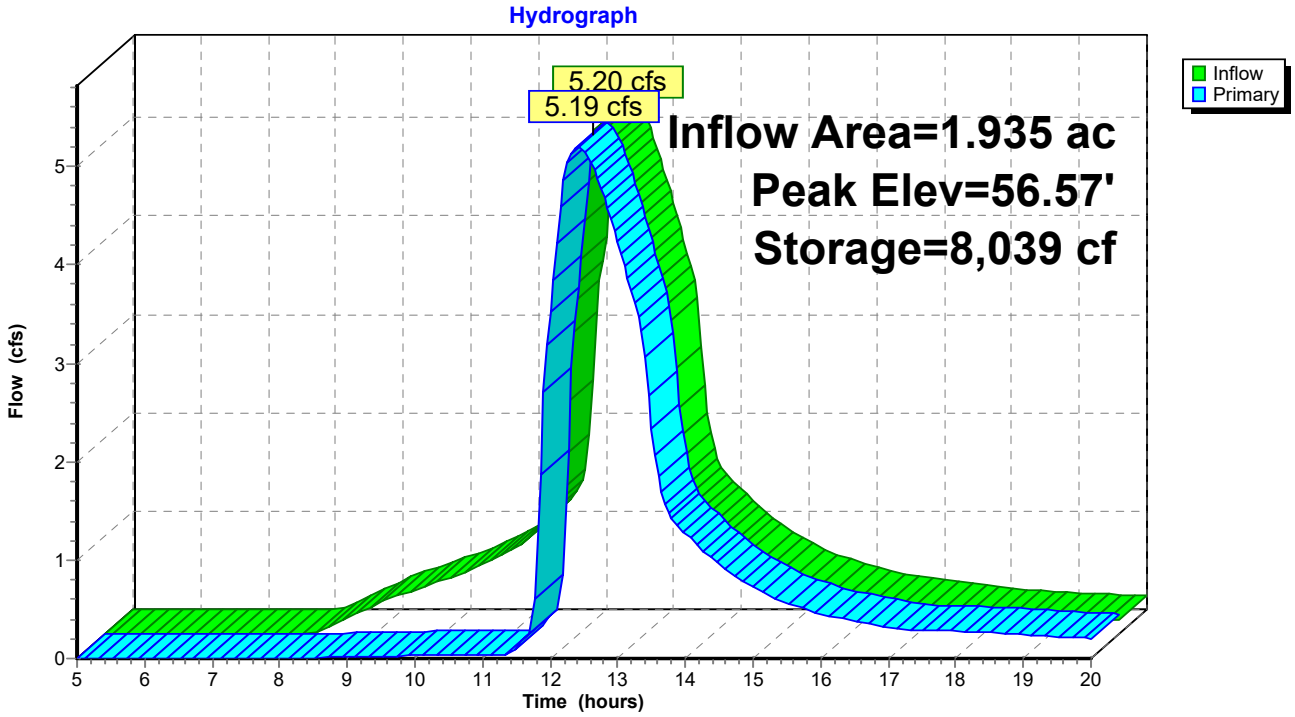
Volume	Invert	Avail.Storage	Storage Description
#1	53.00'	9,558 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
53.00	1,225	0	0
54.00	1,749	1,487	1,487
55.00	2,345	2,047	3,534
56.00	2,998	2,672	6,206
57.00	3,707	3,353	9,558

Device	Routing	Invert	Outlet Devices
#1	Primary	53.00'	**18.0" Round Culvert** L= 50.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.00' / 52.00' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	53.00'	**1.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	56.25'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	55.75'	**4.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=5.18 cfs @ 12.41 hrs HW=56.57' (Free Discharge)
└**1=Culvert** (Passes 5.18 cfs of 11.29 cfs potential flow)
├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 9.05 fps)
├**3=Orifice/Grate** (Weir Controls 4.79 cfs @ 1.86 fps)
└**4=Orifice/Grate** (Orifice Controls 0.34 cfs @ 3.90 fps)

Pond 195P: Constructed Wetland 4



Stage-Area-Storage for Pond 195P: Constructed Wetland 4

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
53.00	1,225	0
53.05	1,251	62
53.10	1,277	125
53.15	1,304	190
53.20	1,330	255
53.25	1,356	323
53.30	1,382	391
53.35	1,408	461
53.40	1,435	532
53.45	1,461	604
53.50	1,487	678
53.55	1,513	753
53.60	1,539	829
53.65	1,566	907
53.70	1,592	986
53.75	1,618	1,066
53.80	1,644	1,148
53.85	1,670	1,231
53.90	1,697	1,315
53.95	1,723	1,400
54.00	1,749	1,487
54.05	1,779	1,575
54.10	1,809	1,665
54.15	1,838	1,756
54.20	1,868	1,849
54.25	1,898	1,943
54.30	1,928	2,039
54.35	1,958	2,136
54.40	1,987	2,234
54.45	2,017	2,334
54.50	2,047	2,436
54.55	2,077	2,539
54.60	2,107	2,644
54.65	2,136	2,750
54.70	2,166	2,857
54.75	2,196	2,966
54.80	2,226	3,077
54.85	2,256	3,189
54.90	2,285	3,302
54.95	2,315	3,417
55.00	2,345	3,534
55.05	2,378	3,652
55.10	2,410	3,772
55.15	2,443	3,893
55.20	2,476	4,016
55.25	2,508	4,141
55.30	2,541	4,267
55.35	2,574	4,395
55.40	2,606	4,524
55.45	2,639	4,655
55.50	2,672	4,788
55.55	2,704	4,923
55.60	2,737	5,059
55.65	2,769	5,196
55.70	2,802	5,335
55.75	2,835	5,476
55.80	2,867	5,619
55.85	2,900	5,763
55.90	2,933	5,909
55.95	2,965	6,056
56.00	2,998	6,206
56.05	3,033	6,356
56.10	3,069	6,509
56.15	3,104	6,663
56.20	3,140	6,819
56.25	3,175	6,977
56.30	3,211	7,137
56.35	3,246	7,298
56.40	3,282	7,461
56.45	3,317	7,626
56.50	3,353	7,793
56.55	3,388	7,962
56.60	3,423	8,132
56.65	3,459	8,304
56.70	3,494	8,478
56.75	3,530	8,653
56.80	3,565	8,831
56.85	3,601	9,010
56.90	3,636	9,191
56.95	3,672	9,374
57.00	**3,707**	**9,558**

Summary for Pond 196P: CB 5

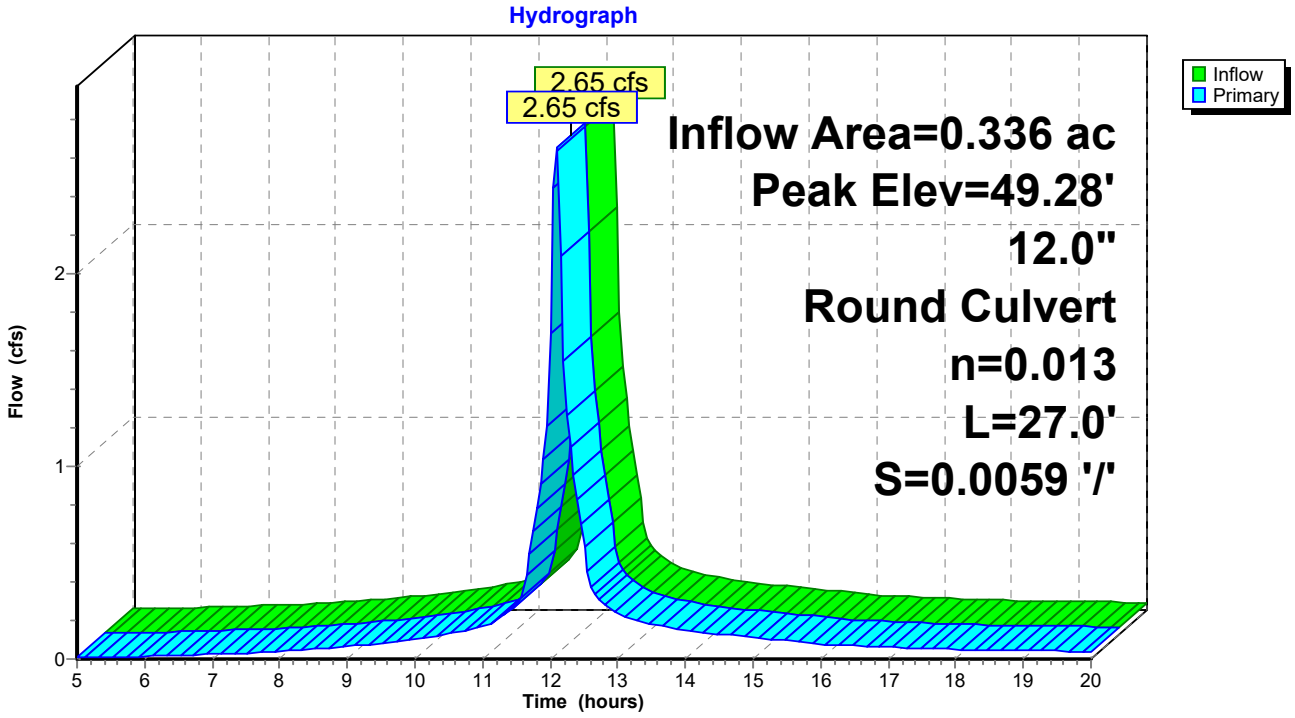
Inflow Area = 0.336 ac, 80.22% Impervious, Inflow Depth > 6.85" for 100-Year event
Inflow = 2.65 cfs @ 12.09 hrs, Volume= 0.192 af
Outflow = 2.65 cfs @ 12.09 hrs, Volume= 0.192 af, Atten= 0%, Lag= 0.0 min
Primary = 2.65 cfs @ 12.09 hrs, Volume= 0.192 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.28' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.00'	**12.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.84' S= 0.0059 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.59 cfs @ 12.09 hrs HW=49.25' (Free Discharge)
1=Culvert (Inlet Controls 2.59 cfs @ 3.29 fps)

Pond 196P: CB 5



Stage-Area-Storage for Pond 196P: CB 5

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.00	**0.000**	48.53	0.000	49.06	0.000
48.01	0.000	48.54	0.000	49.07	0.000
48.02	0.000	48.55	0.000	49.08	0.000
48.03	0.000	48.56	0.000	49.09	0.000
48.04	0.000	48.57	0.000	49.10	0.000
48.05	0.000	48.58	0.000	49.11	0.000
48.06	0.000	48.59	0.000	49.12	0.000
48.07	0.000	48.60	0.000	49.13	0.000
48.08	0.000	48.61	0.000	49.14	0.000
48.09	0.000	48.62	0.000	49.15	0.000
48.10	0.000	48.63	0.000	49.16	0.000
48.11	0.000	48.64	0.000	49.17	0.000
48.12	0.000	48.65	0.000	49.18	0.000
48.13	0.000	48.66	0.000	49.19	0.000
48.14	0.000	48.67	0.000	49.20	0.000
48.15	0.000	48.68	0.000	49.21	0.000
48.16	0.000	48.69	0.000	49.22	0.000
48.17	0.000	48.70	0.000	49.23	0.000
48.18	0.000	48.71	0.000	49.24	0.000
48.19	0.000	48.72	0.000	49.25	0.000
48.20	0.000	48.73	0.000	49.26	0.000
48.21	0.000	48.74	0.000	49.27	0.000
48.22	0.000	48.75	0.000	49.28	0.000
48.23	0.000	48.76	0.000		
48.24	0.000	48.77	0.000		
48.25	0.000	48.78	0.000		
48.26	0.000	48.79	0.000		
48.27	0.000	48.80	0.000		
48.28	0.000	48.81	0.000		
48.29	0.000	48.82	0.000		
48.30	0.000	48.83	0.000		
48.31	0.000	48.84	0.000		
48.32	0.000	48.85	0.000		
48.33	0.000	48.86	0.000		
48.34	0.000	48.87	0.000		
48.35	0.000	48.88	0.000		
48.36	0.000	48.89	0.000		
48.37	0.000	48.90	0.000		
48.38	0.000	48.91	0.000		
48.39	0.000	48.92	0.000		
48.40	0.000	48.93	0.000		
48.41	0.000	48.94	0.000		
48.42	0.000	48.95	0.000		
48.43	0.000	48.96	0.000		
48.44	0.000	48.97	0.000		
48.45	0.000	48.98	0.000		
48.46	0.000	48.99	0.000		
48.47	0.000	49.00	0.000		
48.48	0.000	49.01	0.000		
48.49	0.000	49.02	0.000		
48.50	0.000	49.03	0.000		
48.51	0.000	49.04	0.000		
48.52	0.000	49.05	0.000		

Summary for Pond 197P: Inf. Basin 1

Inflow Area = 8.503 ac, 57.81% Impervious, Inflow Depth > 2.08" for 100-Year event
Inflow = 18.11 cfs @ 12.10 hrs, Volume= 1.470 af
Outflow = 5.33 cfs @ 12.57 hrs, Volume= 1.469 af, Atten= 71%, Lag= 28.3 min
Discarded = 4.18 cfs @ 12.57 hrs, Volume= 1.333 af
Primary = 1.14 cfs @ 12.57 hrs, Volume= 0.136 af
Routed to Link 203L : 3A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.71' @ 12.57 hrs Surf.Area= 8,943 sf Storage= 21,885 cf

Plug-Flow detention time= 47.6 min calculated for 1.469 af (100% of inflow)
Center-of-Mass det. time= 47.1 min (831.5 - 784.5)

Volume	Invert	Avail.Storage	Storage Description
#1	46.50'	34,549 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

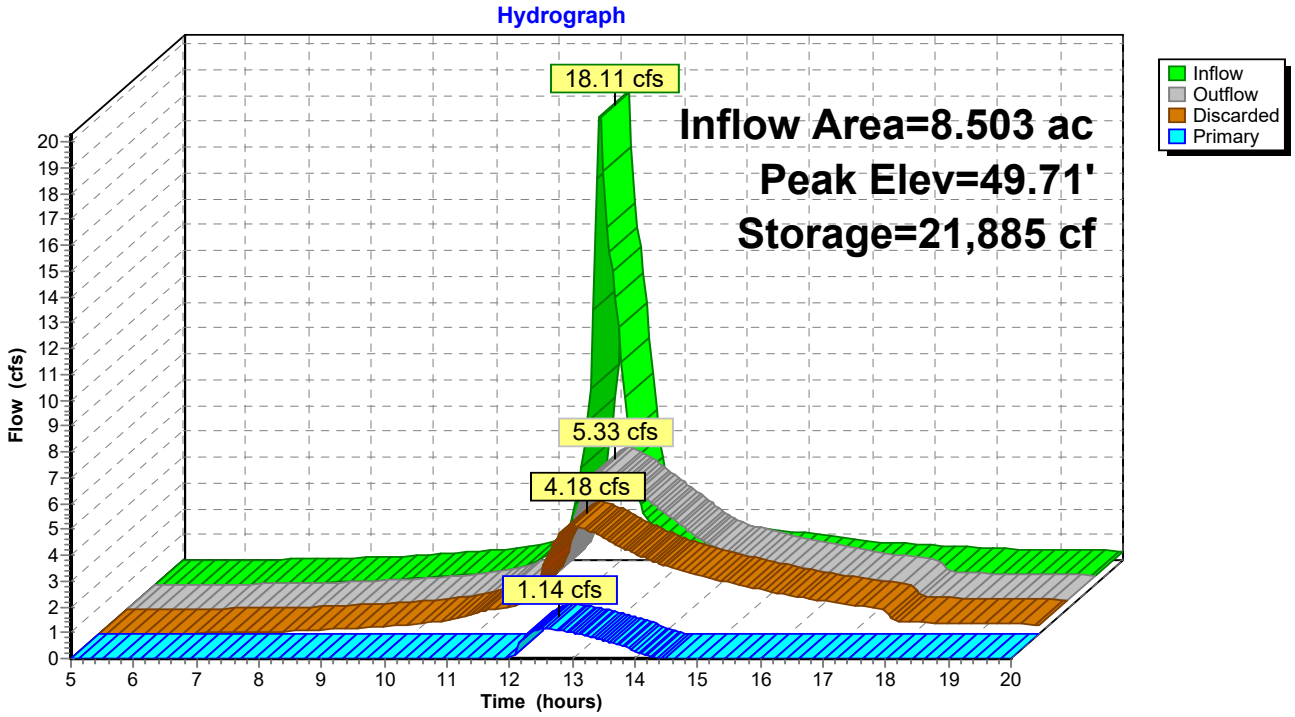
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
46.50	4,770	0	0
47.00	5,380	2,538	2,538
48.00	6,642	6,011	8,549
49.00	7,960	7,301	15,850
50.00	9,336	8,648	24,498
51.00	10,767	10,052	34,549

Device	Routing	Invert	Outlet Devices
#1	Discarded	46.50'	**8.270 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 45.00'
#2	Primary	47.00'	**12.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 47.00' / 43.50' S= 0.1400 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	48.00'	**6.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	50.50'	**24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=4.18 cfs @ 12.57 hrs HW=49.71' (Free Discharge)
└**1=Exfiltration** (Controls 4.18 cfs)

Primary OutFlow Max=1.14 cfs @ 12.57 hrs HW=49.71' (Free Discharge)
└**2=Culvert** (Passes 1.14 cfs of 4.44 cfs potential flow)
  ├**3=Orifice/Grate** (Orifice Controls 1.14 cfs @ 5.82 fps)
  └**4=Orifice/Grate** (Controls 0.00 cfs)

Pond 197P: Inf. Basin 1



Stage-Area-Storage for Pond 197P: Inf. Basin 1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
46.50	4,770	0
46.55	4,831	240
46.60	4,892	483
46.65	4,953	729
46.70	5,014	978
46.75	5,075	1,231
46.80	5,136	1,486
46.85	5,197	1,744
46.90	5,258	2,006
46.95	5,319	2,270
47.00	5,380	2,538
47.05	5,443	2,808
47.10	5,506	3,082
47.15	5,569	3,359
47.20	5,632	3,639
47.25	5,696	3,922
47.30	5,759	4,208
47.35	5,822	4,498
47.40	5,885	4,790
47.45	5,948	5,086
47.50	6,011	5,385
47.55	6,074	5,687
47.60	6,137	5,993
47.65	6,200	6,301
47.70	6,263	6,613
47.75	6,327	6,927
47.80	6,390	7,245
47.85	6,453	7,566
47.90	6,516	7,891
47.95	6,579	8,218
48.00	6,642	8,549
48.05	6,708	8,882
48.10	6,774	9,219
48.15	6,840	9,560
48.20	6,906	9,903
48.25	6,972	10,250
48.30	7,037	10,600
48.35	7,103	10,954
48.40	7,169	11,311
48.45	7,235	11,671
48.50	7,301	12,034
48.55	7,367	12,401
48.60	7,433	12,771
48.65	7,499	13,144
48.70	7,565	13,521
48.75	7,631	13,901
48.80	7,696	14,284
48.85	7,762	14,670
48.90	7,828	15,060
48.95	7,894	15,453
49.00	7,960	15,850
49.05	8,029	16,249
49.10	8,098	16,652
49.15	8,166	17,059
49.20	8,235	17,469
49.25	8,304	17,883
49.30	8,373	18,299
49.35	8,442	18,720
49.40	8,510	19,144
49.45	8,579	19,571
49.50	8,648	20,002
49.55	8,717	20,436
49.60	8,786	20,873
49.65	8,854	21,314
49.70	8,923	21,759
49.75	8,992	22,207
49.80	9,061	22,658
49.85	9,130	23,113
49.90	9,198	23,571
49.95	9,267	24,032
50.00	9,336	24,498
50.05	9,408	24,966
50.10	9,479	25,438
50.15	9,551	25,914
50.20	9,622	26,393
50.25	9,694	26,876
50.30	9,765	27,363
50.35	9,837	27,853
50.40	9,908	28,346
50.45	9,980	28,844
50.50	10,052	29,344
50.55	10,123	29,849
50.60	10,195	30,357
50.65	10,266	30,868
50.70	10,338	31,383
50.75	10,409	31,902
50.80	10,481	32,424
50.85	10,552	32,950
50.90	10,624	33,479
50.95	10,695	34,012
51.00	**10,767**	**34,549**

Summary for Pond 198P: Sub. Inf. 2

Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 6.32" for 100-Year event
Inflow = 12.89 cfs @ 12.09 hrs, Volume= 0.912 af
Outflow = 6.68 cfs @ 12.24 hrs, Volume= 0.911 af, Atten= 48%, Lag= 9.0 min
Discarded = 6.04 cfs @ 12.24 hrs, Volume= 0.902 af
Primary = 0.64 cfs @ 12.24 hrs, Volume= 0.010 af
Routed to Pond 202P : DMH 14

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.13' @ 12.24 hrs Surf.Area= 0.096 ac Storage= 0.141 af

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 6.5 min (770.5 - 764.0)

Volume	Invert	Avail.Storage	Storage Description
#1A	51.00'	0.086 af	**30.00'W x 138.90'L x 3.50'H Field A** 0.335 af Overall - 0.121 af Embedded = 0.214 af x 40.0% Voids
#2A	51.50'	0.121 af	**ADS_StormTech SC-740 b +Cap** x 114 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 114 Chambers in 6 Rows Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf
		0.206 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	51.00'	**20.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 50.00'
#2	Primary	52.75'	**18.0" Round Culvert** L= 10.0' RCP, groove end projecting, Ke= 0.200 Inlet / Outlet Invert= 52.75' / 52.65' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Discarded OutFlow Max=6.03 cfs @ 12.24 hrs HW=53.13' (Free Discharge)
1=Exfiltration (Controls 6.03 cfs)

Primary OutFlow Max=0.62 cfs @ 12.24 hrs HW=53.13' (Free Discharge)
2=Culvert (Barrel Controls 0.62 cfs @ 2.69 fps)

Pond 198P: Sub. Inf. 2 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

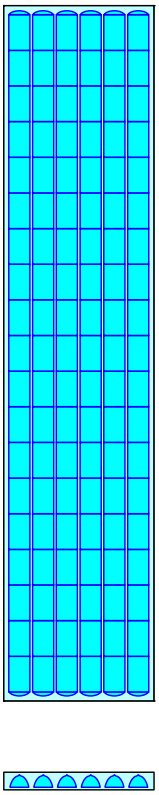
19 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 136.90' Row Length +12.0" End Stone x 2 = 138.90' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

114 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 5,269.0 cf Chamber Storage

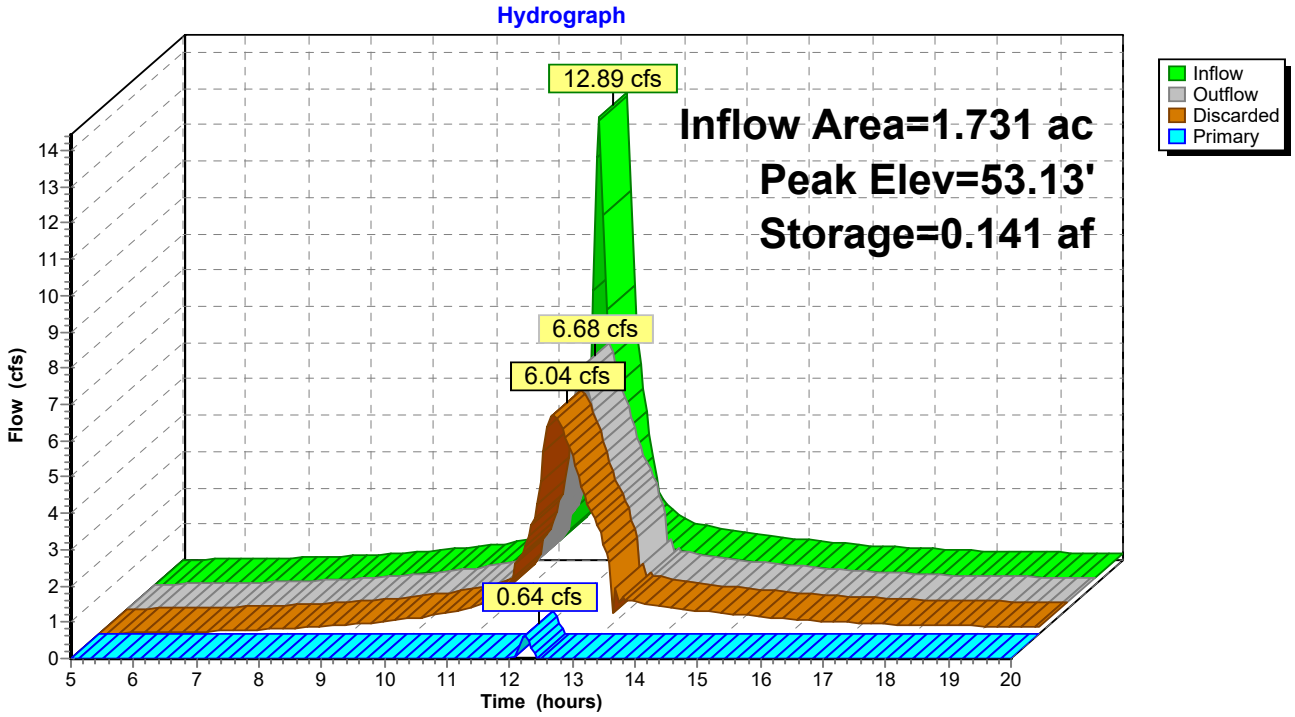
14,584.2 cf Field - 5,269.0 cf Chambers = 9,315.1 cf Stone x 40.0% Voids = 3,726.1 cf Stone Storage

Chamber Storage + Stone Storage = 8,995.1 cf = 0.206 af
Overall Storage Efficiency = 61.7%
Overall System Size = 138.90' x 30.00' x 3.50'

114 Chambers
540.2 cy Field
345.0 cy Stone



Pond 198P: Sub. Inf. 2



Stage-Area-Storage for Pond 198P: Sub. Inf. 2

Elevation (feet)	Surface (acres)	Storage (acre-feet)
51.00	**0.096**	0.000
51.05	0.096	0.002
51.10	0.096	0.004
51.15	0.096	0.006
51.20	0.096	0.008
51.25	0.096	0.010
51.30	0.096	0.011
51.35	0.096	0.013
51.40	0.096	0.015
51.45	0.096	0.017
51.50	0.096	0.019
51.55	0.096	0.023
51.60	0.096	0.027
51.65	0.096	0.031
51.70	0.096	0.035
51.75	0.096	0.039
51.80	0.096	0.043
51.85	0.096	0.047
51.90	0.096	0.051
51.95	0.096	0.055
52.00	0.096	0.059
52.05	0.096	0.063
52.10	0.096	0.067
52.15	0.096	0.070
52.20	0.096	0.074
52.25	0.096	0.078
52.30	0.096	0.082
52.35	0.096	0.086
52.40	0.096	0.089
52.45	0.096	0.093
52.50	0.096	0.097
52.55	0.096	0.100
52.60	0.096	0.104
52.65	0.096	0.108
52.70	0.096	0.111
52.75	0.096	0.115
52.80	0.096	0.118
52.85	0.096	0.122
52.90	0.096	0.125
52.95	0.096	0.129
53.00	0.096	0.132
53.05	0.096	0.136
53.10	0.096	0.139
53.15	0.096	0.142
53.20	0.096	0.145
53.25	0.096	0.149
53.30	0.096	0.152
53.35	0.096	0.155
53.40	0.096	0.158
53.45	0.096	0.161
53.50	0.096	0.164
53.55	0.096	0.167
53.60	0.096	0.169
53.65	0.096	0.172
53.70	0.096	0.175
53.75	0.096	0.177
53.80	0.096	0.179
53.85	0.096	0.181
53.90	0.096	0.183
53.95	0.096	0.185
54.00	0.096	0.187
54.05	0.096	0.189
54.10	0.096	0.191
54.15	0.096	0.193
54.20	0.096	0.195
54.25	0.096	0.197
54.30	0.096	0.199
54.35	0.096	0.201
54.40	0.096	0.203
54.45	0.096	0.205
54.50	0.096	**0.206**

Summary for Pond 200P: DMH 1

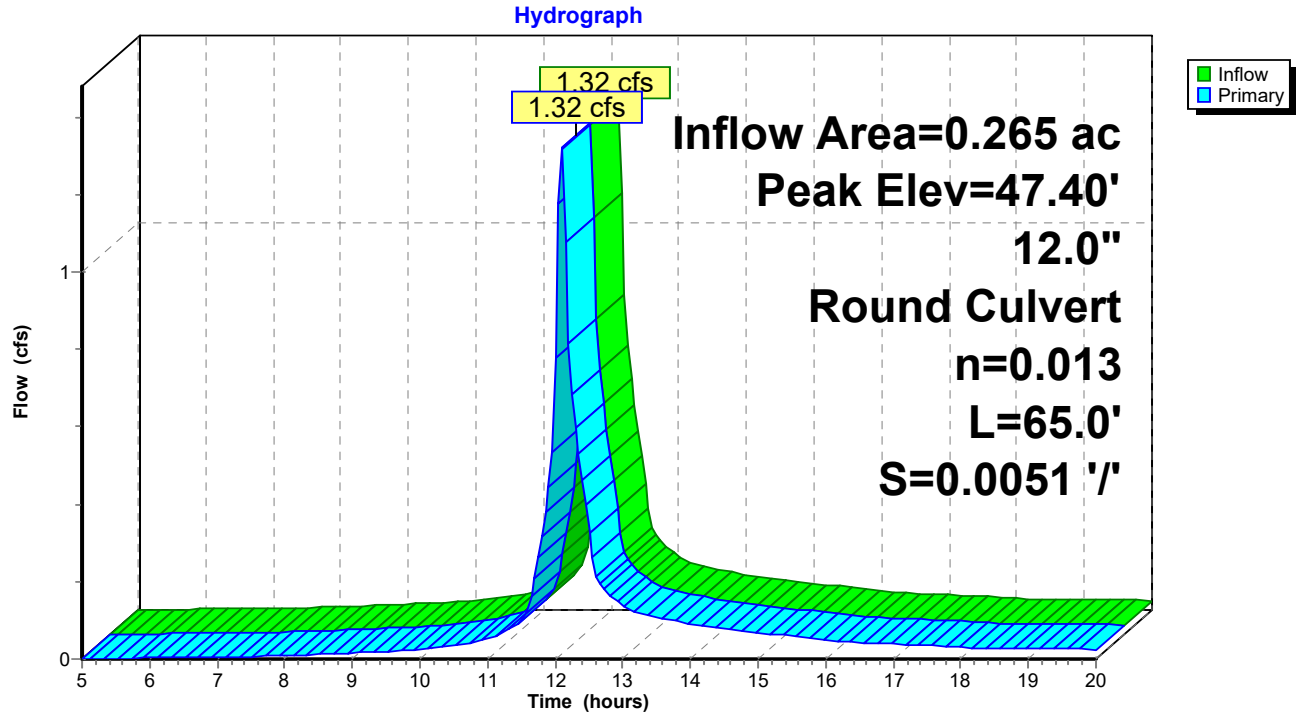
Inflow Area = 0.265 ac, 46.75% Impervious, Inflow Depth > 4.19" for 100-Year event
Inflow = 1.32 cfs @ 12.09 hrs, Volume= 0.093 af
Outflow = 1.32 cfs @ 12.09 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.32 cfs @ 12.09 hrs, Volume= 0.093 af
Routed to Pond 213P : DMH 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 47.40' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.66'	**12.0" Round Culvert** L= 65.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.66' / 46.33' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.30 cfs @ 12.09 hrs HW=47.39' (Free Discharge)
1=Culvert (Barrel Controls 1.30 cfs @ 2.95 fps)

Pond 200P: DMH 1



Stage-Area-Storage for Pond 200P: DMH 1

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.66	**0.000**	47.19	0.000
46.67	0.000	47.20	0.000
46.68	0.000	47.21	0.000
46.69	0.000	47.22	0.000
46.70	0.000	47.23	0.000
46.71	0.000	47.24	0.000
46.72	0.000	47.25	0.000
46.73	0.000	47.26	0.000
46.74	0.000	47.27	0.000
46.75	0.000	47.28	0.000
46.76	0.000	47.29	0.000
46.77	0.000	47.30	0.000
46.78	0.000	47.31	0.000
46.79	0.000	47.32	0.000
46.80	0.000	47.33	0.000
46.81	0.000	47.34	0.000
46.82	0.000	47.35	0.000
46.83	0.000	47.36	0.000
46.84	0.000	47.37	0.000
46.85	0.000	47.38	0.000
46.86	0.000	47.39	0.000
46.87	0.000	47.40	0.000
46.88	0.000	47.41	0.000
46.89	0.000	47.42	0.000
46.90	0.000	47.43	0.000
46.91	0.000	47.44	0.000
46.92	0.000	47.45	0.000
46.93	0.000	47.46	0.000
46.94	0.000	47.47	0.000
46.95	0.000	47.48	0.000
46.96	0.000	47.49	0.000
46.97	0.000	47.50	0.000
46.98	0.000	47.51	0.000
46.99	0.000	47.52	0.000
47.00	0.000	47.53	0.000
47.01	0.000	47.54	0.000
47.02	0.000	47.55	0.000
47.03	0.000	47.56	0.000
47.04	0.000	47.57	0.000
47.05	0.000	47.58	0.000
47.06	0.000	47.59	0.000
47.07	0.000	47.60	0.000
47.08	0.000	47.61	0.000
47.09	0.000	47.62	0.000
47.10	0.000	47.63	0.000
47.11	0.000	47.64	0.000
47.12	0.000	47.65	0.000
47.13	0.000	47.66	0.000
47.14	0.000		
47.15	0.000		
47.16	0.000		
47.17	0.000		
47.18	0.000		

Summary for Pond 201P: Sub. Inf. 3

Inflow Area = 1.343 ac, 61.65% Impervious, Inflow Depth > 5.57" for 100-Year event
Inflow = 8.94 cfs @ 12.09 hrs, Volume= 0.624 af
Outflow = 3.87 cfs @ 12.30 hrs, Volume= 0.624 af, Atten= 57%, Lag= 12.8 min
Discarded = 3.07 cfs @ 12.30 hrs, Volume= 0.606 af
Primary = 0.80 cfs @ 12.30 hrs, Volume= 0.018 af
Routed to Pond 202P : DMH 14

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 54.52' @ 12.30 hrs Surf.Area= 0.079 ac Storage= 0.134 af

Plug-Flow detention time= 14.1 min calculated for 0.622 af (100% of inflow)
Center-of-Mass det. time= 13.9 min (786.5 - 772.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	52.00'	0.071 af	**20.50'W x 167.38'L x 3.50'H Field A** 0.276 af Overall - 0.098 af Embedded = 0.178 af x 40.0% Voids
#2A	52.50'	0.098 af	**ADS_StormTech SC-740 b +Cap** x 92 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 92 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.169 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	52.00'	**11.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 51.00'
#2	Primary	54.00'	**12.0" Round Culvert** L= 20.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 54.00' / 53.65' S= 0.0175 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=3.07 cfs @ 12.30 hrs HW=54.52' (Free Discharge)
↑**1=Exfiltration** (Controls 3.07 cfs)

Primary OutFlow Max=0.79 cfs @ 12.30 hrs HW=54.52' (Free Discharge)
↑**2=Culvert** (Inlet Controls 0.79 cfs @ 1.93 fps)

Pond 201P: Sub. Inf. 3 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

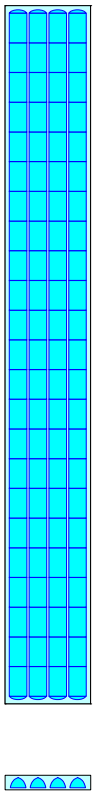
23 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 165.38' Row Length +12.0" End Stone x 2 = 167.38' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

92 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 4,247.7 cf Chamber Storage

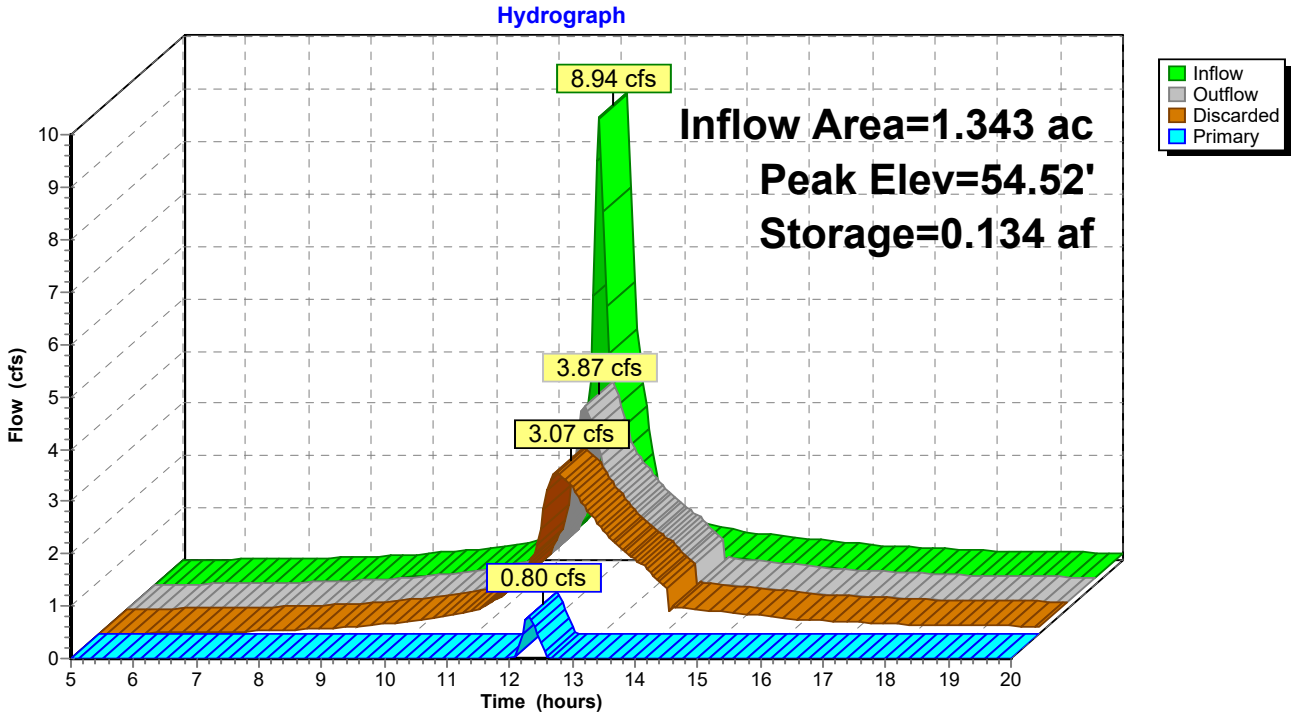
12,009.3 cf Field - 4,247.7 cf Chambers = 7,761.6 cf Stone x 40.0% Voids = 3,104.6 cf Stone Storage

Chamber Storage + Stone Storage = 7,352.3 cf = 0.169 af
Overall Storage Efficiency = 61.2%
Overall System Size = 167.38' x 20.50' x 3.50'

92 Chambers
444.8 cy Field
287.5 cy Stone



Pond 201P: Sub. Inf. 3



Stage-Area-Storage for Pond 201P: Sub. Inf. 3

Elevation (feet)	Surface (acres)	Storage (acre-feet)
52.00	**0.079**	0.000
52.05	0.079	0.002
52.10	0.079	0.003
52.15	0.079	0.005
52.20	0.079	0.006
52.25	0.079	0.008
52.30	0.079	0.009
52.35	0.079	0.011
52.40	0.079	0.013
52.45	0.079	0.014
52.50	0.079	0.016
52.55	0.079	0.019
52.60	0.079	0.022
52.65	0.079	0.026
52.70	0.079	0.029
52.75	0.079	0.032
52.80	0.079	0.035
52.85	0.079	0.038
52.90	0.079	0.042
52.95	0.079	0.045
53.00	0.079	0.048
53.05	0.079	0.051
53.10	0.079	0.054
53.15	0.079	0.057
53.20	0.079	0.061
53.25	0.079	0.064
53.30	0.079	0.067
53.35	0.079	0.070
53.40	0.079	0.073
53.45	0.079	0.076
53.50	0.079	0.079
53.55	0.079	0.082
53.60	0.079	0.085
53.65	0.079	0.088
53.70	0.079	0.091
53.75	0.079	0.094
53.80	0.079	0.097
53.85	0.079	0.099
53.90	0.079	0.102
53.95	0.079	0.105
54.00	0.079	0.108
54.05	0.079	0.111
54.10	0.079	0.113
54.15	0.079	0.116
54.20	0.079	0.119
54.25	0.079	0.121
54.30	0.079	0.124
54.35	0.079	0.126
54.40	0.079	0.129
54.45	0.079	0.131
54.50	0.079	0.134
54.55	0.079	0.136
54.60	0.079	0.138
54.65	0.079	0.140
54.70	0.079	0.142
54.75	0.079	0.144
54.80	0.079	0.146
54.85	0.079	0.148
54.90	0.079	0.150
54.95	0.079	0.151
55.00	0.079	0.153
55.05	0.079	0.155
55.10	0.079	0.156
55.15	0.079	0.158
55.20	0.079	0.159
55.25	0.079	0.161
55.30	0.079	0.162
55.35	0.079	0.164
55.40	0.079	0.166
55.45	0.079	0.167
55.50	0.079	**0.169**

Summary for Pond 202P: DMH 14

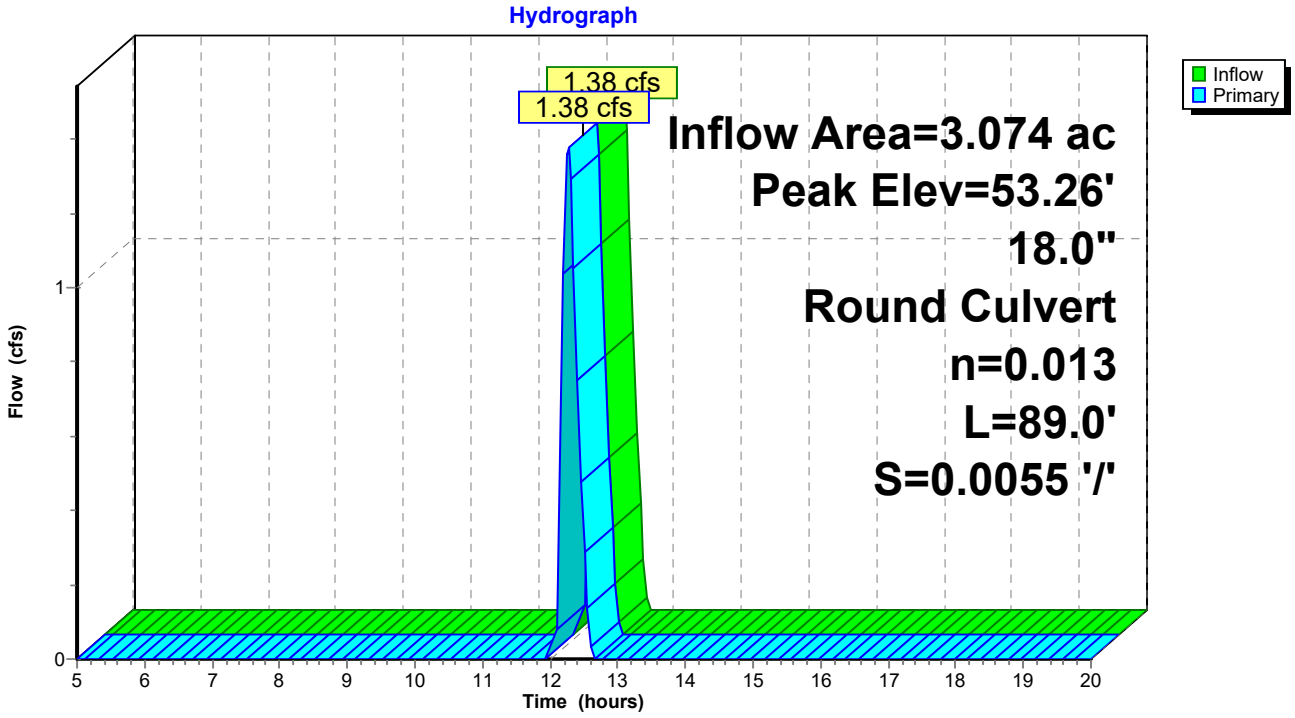
Inflow Area = 3.074 ac, 67.24% Impervious, Inflow Depth = 0.11" for 100-Year event
Inflow = 1.38 cfs @ 12.27 hrs, Volume= 0.028 af
Outflow = 1.38 cfs @ 12.27 hrs, Volume= 0.028 af, Atten= 0%, Lag= 0.0 min
Primary = 1.38 cfs @ 12.27 hrs, Volume= 0.028 af
Routed to Pond 166P : DMH 13

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.26' @ 12.27 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.65'	**18.0" Round Culvert** L= 89.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.65' / 52.16' S= 0.0055 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.33 cfs @ 12.27 hrs HW=53.25' (Free Discharge)
1=Culvert (Barrel Controls 1.33 cfs @ 2.99 fps)

Pond 202P: DMH 14



Stage-Area-Storage for Pond 202P: DMH 14

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.65	**0.000**	53.18	0.000	53.71	0.000
52.66	0.000	53.19	0.000	53.72	0.000
52.67	0.000	53.20	0.000	53.73	0.000
52.68	0.000	53.21	0.000	53.74	0.000
52.69	0.000	53.22	0.000	53.75	0.000
52.70	0.000	53.23	0.000	53.76	0.000
52.71	0.000	53.24	0.000	53.77	0.000
52.72	0.000	53.25	0.000	53.78	0.000
52.73	0.000	53.26	0.000	53.79	0.000
52.74	0.000	53.27	0.000	53.80	0.000
52.75	0.000	53.28	0.000	53.81	0.000
52.76	0.000	53.29	0.000	53.82	0.000
52.77	0.000	53.30	0.000	53.83	0.000
52.78	0.000	53.31	0.000	53.84	0.000
52.79	0.000	53.32	0.000	53.85	0.000
52.80	0.000	53.33	0.000	53.86	0.000
52.81	0.000	53.34	0.000	53.87	0.000
52.82	0.000	53.35	0.000	53.88	0.000
52.83	0.000	53.36	0.000	53.89	0.000
52.84	0.000	53.37	0.000	53.90	0.000
52.85	0.000	53.38	0.000	53.91	0.000
52.86	0.000	53.39	0.000	53.92	0.000
52.87	0.000	53.40	0.000	53.93	0.000
52.88	0.000	53.41	0.000	53.94	0.000
52.89	0.000	53.42	0.000	53.95	0.000
52.90	0.000	53.43	0.000	53.96	0.000
52.91	0.000	53.44	0.000	53.97	0.000
52.92	0.000	53.45	0.000	53.98	0.000
52.93	0.000	53.46	0.000	53.99	0.000
52.94	0.000	53.47	0.000	54.00	0.000
52.95	0.000	53.48	0.000	54.01	0.000
52.96	0.000	53.49	0.000	54.02	0.000
52.97	0.000	53.50	0.000	54.03	0.000
52.98	0.000	53.51	0.000	54.04	0.000
52.99	0.000	53.52	0.000	54.05	0.000
53.00	0.000	53.53	0.000	54.06	0.000
53.01	0.000	53.54	0.000	54.07	0.000
53.02	0.000	53.55	0.000	54.08	0.000
53.03	0.000	53.56	0.000	54.09	0.000
53.04	0.000	53.57	0.000	54.10	0.000
53.05	0.000	53.58	0.000	54.11	0.000
53.06	0.000	53.59	0.000	54.12	0.000
53.07	0.000	53.60	0.000	54.13	0.000
53.08	0.000	53.61	0.000	54.14	0.000
53.09	0.000	53.62	0.000	54.15	0.000
53.10	0.000	53.63	0.000		
53.11	0.000	53.64	0.000		
53.12	0.000	53.65	0.000		
53.13	0.000	53.66	0.000		
53.14	0.000	53.67	0.000		
53.15	0.000	53.68	0.000		
53.16	0.000	53.69	0.000		
53.17	0.000	53.70	0.000		

Summary for Pond 204P: DMH 18

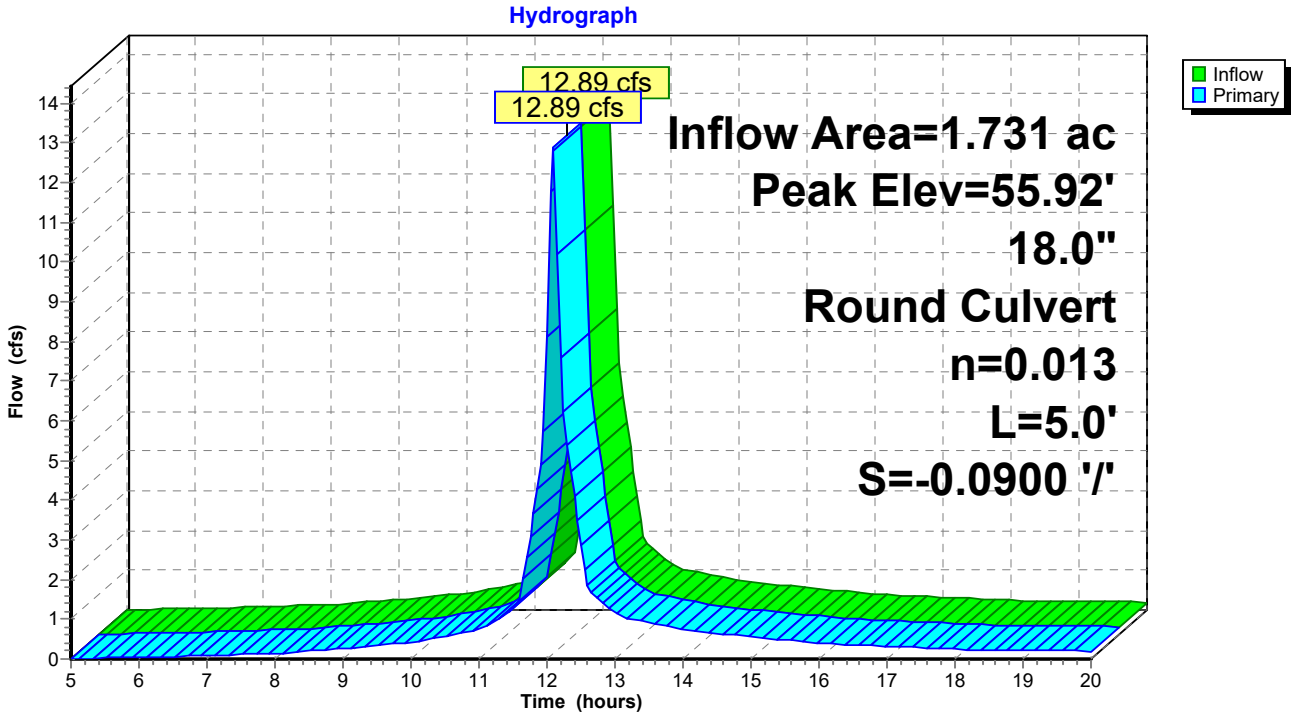
Inflow Area = 1.731 ac, 71.57% Impervious, Inflow Depth > 6.32" for 100-Year event
Inflow = 12.89 cfs @ 12.09 hrs, Volume= 0.912 af
Outflow = 12.89 cfs @ 12.09 hrs, Volume= 0.912 af, Atten= 0%, Lag= 0.0 min
Primary = 12.89 cfs @ 12.09 hrs, Volume= 0.912 af
Routed to Pond 198P : Sub. Inf. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 55.92' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.50'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.05' / 51.50' S= -0.0900 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=12.58 cfs @ 12.09 hrs HW=55.76' (Free Discharge)
1=Culvert (Inlet Controls 12.58 cfs @ 7.12 fps)

Pond 204P: DMH 18



Stage-Area-Storage for Pond 204P: DMH 18

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.50	**0.000**	54.15	0.000
51.55	0.000	54.20	0.000
51.60	0.000	54.25	0.000
51.65	0.000	54.30	0.000
51.70	0.000	54.35	0.000
51.75	0.000	54.40	0.000
51.80	0.000	54.45	0.000
51.85	0.000	54.50	0.000
51.90	0.000	54.55	0.000
51.95	0.000	54.60	0.000
52.00	0.000	54.65	0.000
52.05	0.000	54.70	0.000
52.10	0.000	54.75	0.000
52.15	0.000	54.80	0.000
52.20	0.000	54.85	0.000
52.25	0.000	54.90	0.000
52.30	0.000	54.95	0.000
52.35	0.000	55.00	0.000
52.40	0.000	55.05	0.000
52.45	0.000	55.10	0.000
52.50	0.000	55.15	0.000
52.55	0.000	55.20	0.000
52.60	0.000	55.25	0.000
52.65	0.000	55.30	0.000
52.70	0.000	55.35	0.000
52.75	0.000	55.40	0.000
52.80	0.000	55.45	0.000
52.85	0.000	55.50	0.000
52.90	0.000	55.55	0.000
52.95	0.000	55.60	0.000
53.00	0.000	55.65	0.000
53.05	0.000	55.70	0.000
53.10	0.000	55.75	0.000
53.15	0.000	55.80	0.000
53.20	0.000	55.85	0.000
53.25	0.000	55.90	0.000
53.30	0.000		
53.35	0.000		
53.40	0.000		
53.45	0.000		
53.50	0.000		
53.55	0.000		
53.60	0.000		
53.65	0.000		
53.70	0.000		
53.75	0.000		
53.80	0.000		
53.85	0.000		
53.90	0.000		
53.95	0.000		
54.00	0.000		
54.05	0.000		
54.10	0.000		

Summary for Pond 205P: DMH 27

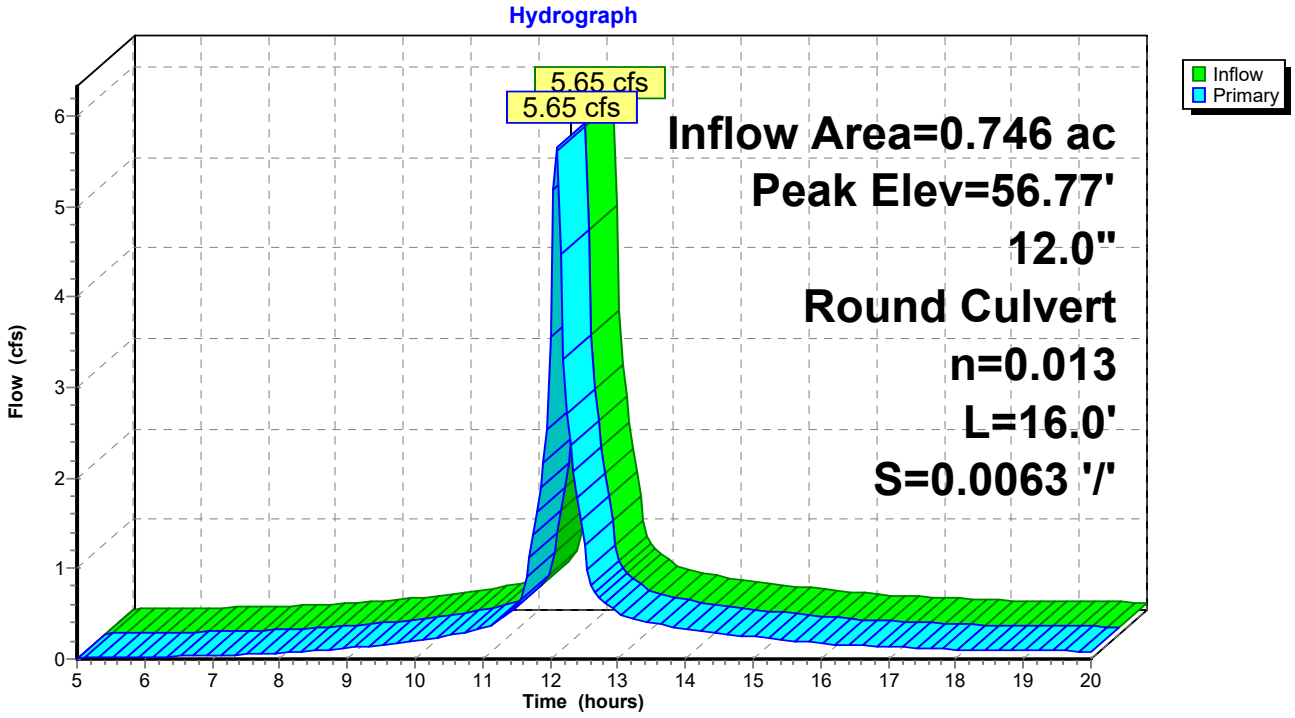
Inflow Area = 0.746 ac, 74.14% Impervious, Inflow Depth > 6.47" for 100-Year event
Inflow = 5.65 cfs @ 12.09 hrs, Volume= 0.402 af
Outflow = 5.65 cfs @ 12.09 hrs, Volume= 0.402 af, Atten= 0%, Lag= 0.0 min
Primary = 5.65 cfs @ 12.09 hrs, Volume= 0.402 af
Routed to Pond 201P : Sub. Inf. 3

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.77' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	52.70'	**12.0" Round Culvert** L= 16.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 52.70' / 52.60' S= 0.0063 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.52 cfs @ 12.09 hrs HW=56.61' (Free Discharge)
1=Culvert (Inlet Controls 5.52 cfs @ 7.02 fps)

Pond 205P: DMH 27



Stage-Area-Storage for Pond 205P: DMH 27

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
52.70	**0.000**	55.35	0.000
52.75	0.000	55.40	0.000
52.80	0.000	55.45	0.000
52.85	0.000	55.50	0.000
52.90	0.000	55.55	0.000
52.95	0.000	55.60	0.000
53.00	0.000	55.65	0.000
53.05	0.000	55.70	0.000
53.10	0.000	55.75	0.000
53.15	0.000	55.80	0.000
53.20	0.000	55.85	0.000
53.25	0.000	55.90	0.000
53.30	0.000	55.95	0.000
53.35	0.000	56.00	0.000
53.40	0.000	56.05	0.000
53.45	0.000	56.10	0.000
53.50	0.000	56.15	0.000
53.55	0.000	56.20	0.000
53.60	0.000	56.25	0.000
53.65	0.000	56.30	0.000
53.70	0.000	56.35	0.000
53.75	0.000	56.40	0.000
53.80	0.000	56.45	0.000
53.85	0.000	56.50	0.000
53.90	0.000	56.55	0.000
53.95	0.000	56.60	0.000
54.00	0.000	56.65	0.000
54.05	0.000	56.70	0.000
54.10	0.000		
54.15	0.000		
54.20	0.000		
54.25	0.000		
54.30	0.000		
54.35	0.000		
54.40	0.000		
54.45	0.000		
54.50	0.000		
54.55	0.000		
54.60	0.000		
54.65	0.000		
54.70	0.000		
54.75	0.000		
54.80	0.000		
54.85	0.000		
54.90	0.000		
54.95	0.000		
55.00	0.000		
55.05	0.000		
55.10	0.000		
55.15	0.000		
55.20	0.000		
55.25	0.000		
55.30	0.000		

Summary for Pond 206P: DMH 34

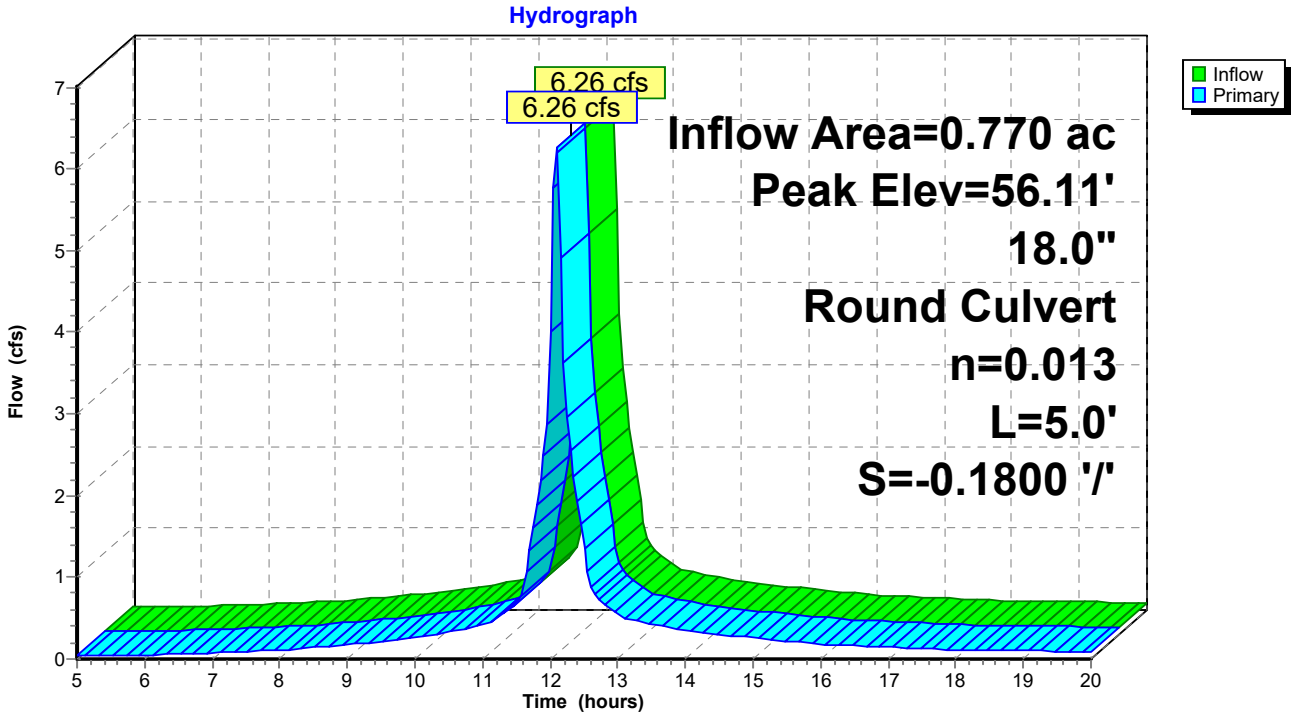
Inflow Area = 0.770 ac, 66.71% Impervious, Inflow Depth > 7.18" for 100-Year event
Inflow = 6.26 cfs @ 12.09 hrs, Volume= 0.461 af
Outflow = 6.26 cfs @ 12.09 hrs, Volume= 0.461 af, Atten= 0%, Lag= 0.0 min
Primary = 6.26 cfs @ 12.09 hrs, Volume= 0.461 af
Routed to Pond 49P : Sub. Inf. 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 56.11' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	54.50'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 53.60' / 54.50' S= -0.1800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.10 cfs @ 12.09 hrs HW=56.07' (Free Discharge)
1=Culvert (Inlet Controls 6.10 cfs @ 3.45 fps)

Pond 206P: DMH 34



Stage-Area-Storage for Pond 206P: DMH 34

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
54.50	**0.000**	55.56	0.000
54.52	0.000	55.58	0.000
54.54	0.000	55.60	0.000
54.56	0.000	55.62	0.000
54.58	0.000	55.64	0.000
54.60	0.000	55.66	0.000
54.62	0.000	55.68	0.000
54.64	0.000	55.70	0.000
54.66	0.000	55.72	0.000
54.68	0.000	55.74	0.000
54.70	0.000	55.76	0.000
54.72	0.000	55.78	0.000
54.74	0.000	55.80	0.000
54.76	0.000	55.82	0.000
54.78	0.000	55.84	0.000
54.80	0.000	55.86	0.000
54.82	0.000	55.88	0.000
54.84	0.000	55.90	0.000
54.86	0.000	55.92	0.000
54.88	0.000	55.94	0.000
54.90	0.000	55.96	0.000
54.92	0.000	55.98	0.000
54.94	0.000	56.00	0.000
54.96	0.000	56.02	0.000
54.98	0.000	56.04	0.000
55.00	0.000	56.06	0.000
55.02	0.000	56.08	0.000
55.04	0.000	56.10	0.000
55.06	0.000		
55.08	0.000		
55.10	0.000		
55.12	0.000		
55.14	0.000		
55.16	0.000		
55.18	0.000		
55.20	0.000		
55.22	0.000		
55.24	0.000		
55.26	0.000		
55.28	0.000		
55.30	0.000		
55.32	0.000		
55.34	0.000		
55.36	0.000		
55.38	0.000		
55.40	0.000		
55.42	0.000		
55.44	0.000		
55.46	0.000		
55.48	0.000		
55.50	0.000		
55.52	0.000		
55.54	0.000		

Summary for Pond 207P: DMH 48

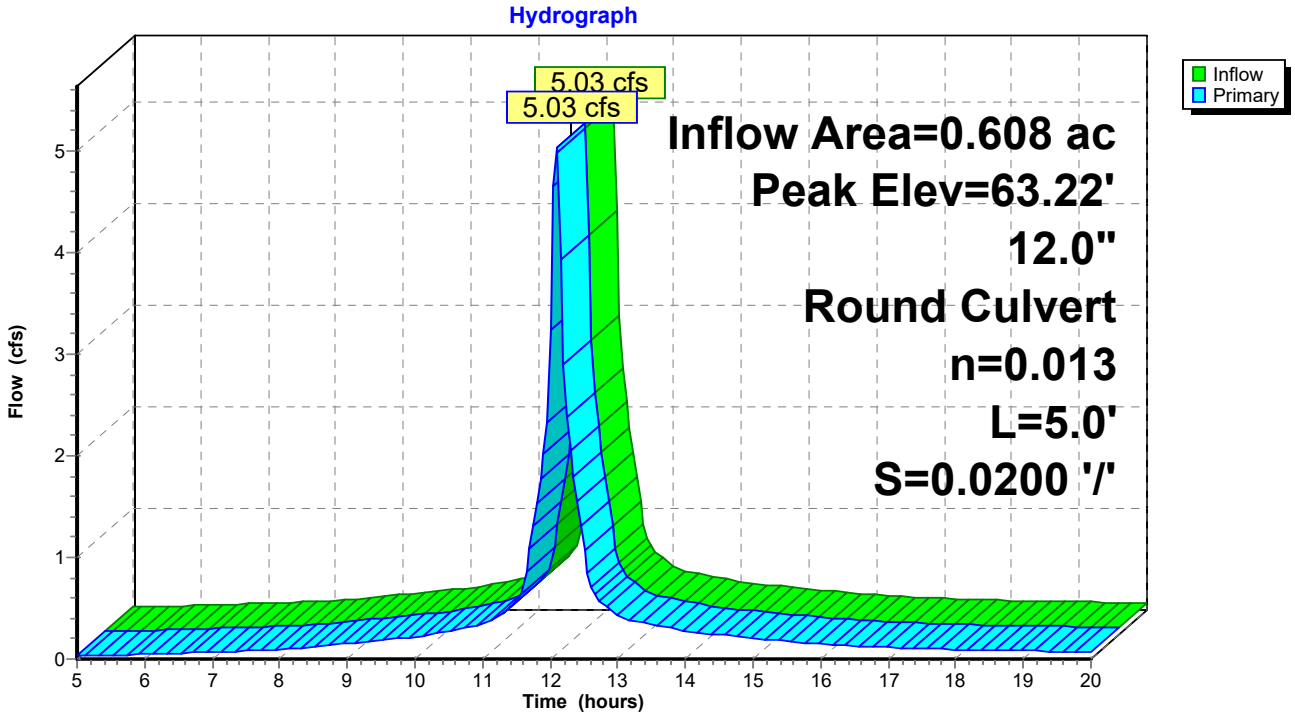
Inflow Area = 0.608 ac, 68.77% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 5.03 cfs @ 12.09 hrs, Volume= 0.374 af
Outflow = 5.03 cfs @ 12.09 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 5.03 cfs @ 12.09 hrs, Volume= 0.374 af
Routed to Pond 68P : Sub. Inf. 5

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.22' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	59.90'	**12.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 59.90' / 59.80' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.90 cfs @ 12.09 hrs HW=63.09' (Free Discharge)
1=Culvert (Inlet Controls 4.90 cfs @ 6.23 fps)

Pond 207P: DMH 48



Stage-Area-Storage for Pond 207P: DMH 48

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
59.90	**0.000**	62.55	0.000
59.95	0.000	62.60	0.000
60.00	0.000	62.65	0.000
60.05	0.000	62.70	0.000
60.10	0.000	62.75	0.000
60.15	0.000	62.80	0.000
60.20	0.000	62.85	0.000
60.25	0.000	62.90	0.000
60.30	0.000	62.95	0.000
60.35	0.000	63.00	0.000
60.40	0.000	63.05	0.000
60.45	0.000	63.10	0.000
60.50	0.000	63.15	0.000
60.55	0.000	63.20	0.000
60.60	0.000		
60.65	0.000		
60.70	0.000		
60.75	0.000		
60.80	0.000		
60.85	0.000		
60.90	0.000		
60.95	0.000		
61.00	0.000		
61.05	0.000		
61.10	0.000		
61.15	0.000		
61.20	0.000		
61.25	0.000		
61.30	0.000		
61.35	0.000		
61.40	0.000		
61.45	0.000		
61.50	0.000		
61.55	0.000		
61.60	0.000		
61.65	0.000		
61.70	0.000		
61.75	0.000		
61.80	0.000		
61.85	0.000		
61.90	0.000		
61.95	0.000		
62.00	0.000		
62.05	0.000		
62.10	0.000		
62.15	0.000		
62.20	0.000		
62.25	0.000		
62.30	0.000		
62.35	0.000		
62.40	0.000		
62.45	0.000		
62.50	0.000		

Summary for Pond 208P: DMH 58

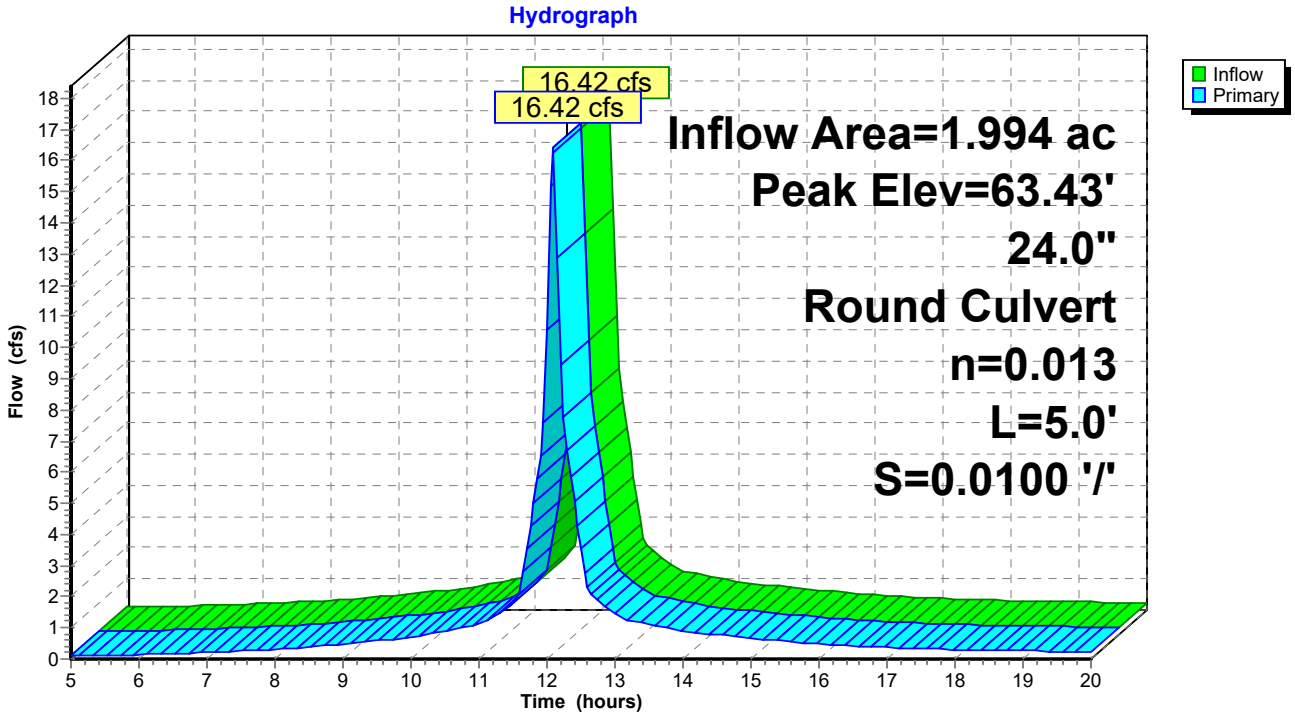
Inflow Area = 1.994 ac, 68.75% Impervious, Inflow Depth > 7.32" for 100-Year event
Inflow = 16.42 cfs @ 12.09 hrs, Volume= 1.217 af
Outflow = 16.42 cfs @ 12.09 hrs, Volume= 1.217 af, Atten= 0%, Lag= 0.0 min
Primary = 16.42 cfs @ 12.09 hrs, Volume= 1.217 af
Routed to Pond 60P : Sub. Det. 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 63.43' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	60.55'	**24.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 60.55' / 60.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.03 cfs @ 12.09 hrs HW=63.35' (Free Discharge)
1=Culvert (Inlet Controls 16.03 cfs @ 5.10 fps)

Pond 208P: DMH 58



Stage-Area-Storage for Pond 208P: DMH 58

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
60.55	**0.000**	61.61	0.000	62.67	0.000
60.57	0.000	61.63	0.000	62.69	0.000
60.59	0.000	61.65	0.000	62.71	0.000
60.61	0.000	61.67	0.000	62.73	0.000
60.63	0.000	61.69	0.000	62.75	0.000
60.65	0.000	61.71	0.000	62.77	0.000
60.67	0.000	61.73	0.000	62.79	0.000
60.69	0.000	61.75	0.000	62.81	0.000
60.71	0.000	61.77	0.000	62.83	0.000
60.73	0.000	61.79	0.000	62.85	0.000
60.75	0.000	61.81	0.000	62.87	0.000
60.77	0.000	61.83	0.000	62.89	0.000
60.79	0.000	61.85	0.000	62.91	0.000
60.81	0.000	61.87	0.000	62.93	0.000
60.83	0.000	61.89	0.000	62.95	0.000
60.85	0.000	61.91	0.000	62.97	0.000
60.87	0.000	61.93	0.000	62.99	0.000
60.89	0.000	61.95	0.000	63.01	0.000
60.91	0.000	61.97	0.000	63.03	0.000
60.93	0.000	61.99	0.000	63.05	0.000
60.95	0.000	62.01	0.000	63.07	0.000
60.97	0.000	62.03	0.000	63.09	0.000
60.99	0.000	62.05	0.000	63.11	0.000
61.01	0.000	62.07	0.000	63.13	0.000
61.03	0.000	62.09	0.000	63.15	0.000
61.05	0.000	62.11	0.000	63.17	0.000
61.07	0.000	62.13	0.000	63.19	0.000
61.09	0.000	62.15	0.000	63.21	0.000
61.11	0.000	62.17	0.000	63.23	0.000
61.13	0.000	62.19	0.000	63.25	0.000
61.15	0.000	62.21	0.000	63.27	0.000
61.17	0.000	62.23	0.000	63.29	0.000
61.19	0.000	62.25	0.000	63.31	0.000
61.21	0.000	62.27	0.000	63.33	0.000
61.23	0.000	62.29	0.000	63.35	0.000
61.25	0.000	62.31	0.000	63.37	0.000
61.27	0.000	62.33	0.000	63.39	0.000
61.29	0.000	62.35	0.000	63.41	0.000
61.31	0.000	62.37	0.000		
61.33	0.000	62.39	0.000		
61.35	0.000	62.41	0.000		
61.37	0.000	62.43	0.000		
61.39	0.000	62.45	0.000		
61.41	0.000	62.47	0.000		
61.43	0.000	62.49	0.000		
61.45	0.000	62.51	0.000		
61.47	0.000	62.53	0.000		
61.49	0.000	62.55	0.000		
61.51	0.000	62.57	0.000		
61.53	0.000	62.59	0.000		
61.55	0.000	62.61	0.000		
61.57	0.000	62.63	0.000		
61.59	0.000	62.65	0.000		

Summary for Pond 209P: DMH 64

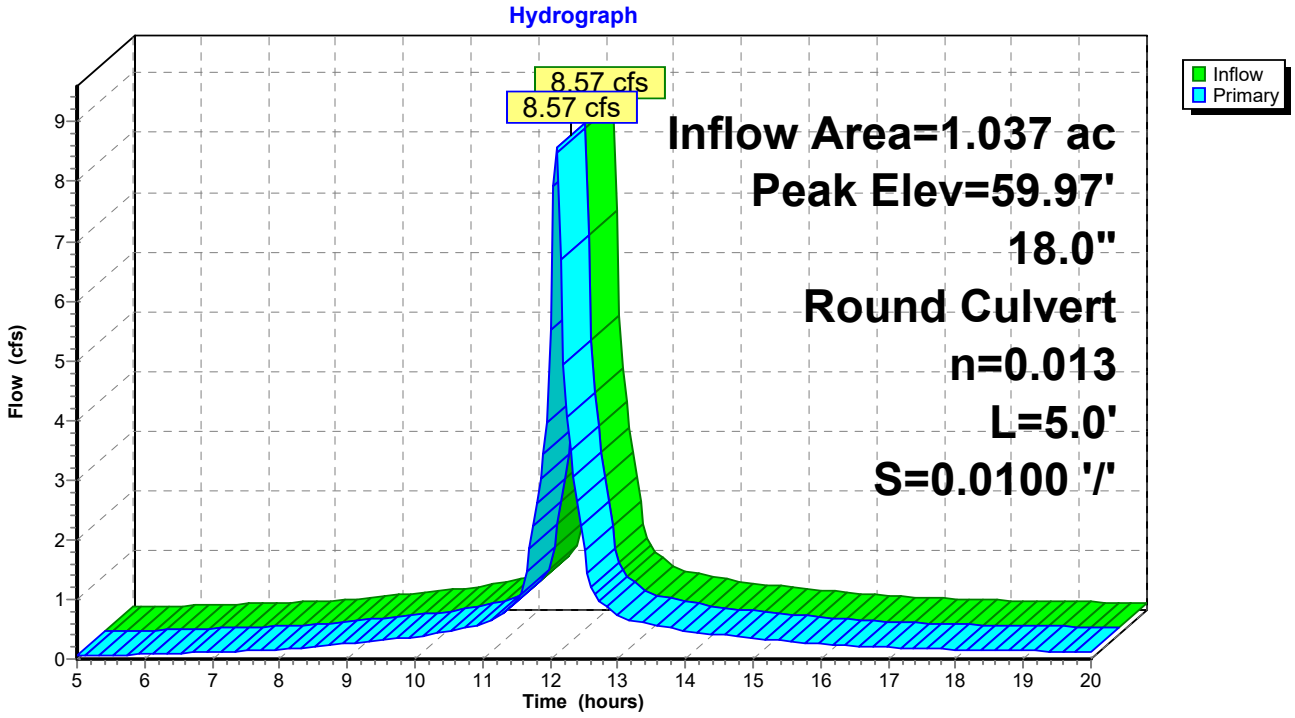
Inflow Area = 1.037 ac, 70.16% Impervious, Inflow Depth > 7.37" for 100-Year event
Inflow = 8.57 cfs @ 12.09 hrs, Volume= 0.637 af
Outflow = 8.57 cfs @ 12.09 hrs, Volume= 0.637 af, Atten= 0%, Lag= 0.0 min
Primary = 8.57 cfs @ 12.09 hrs, Volume= 0.637 af
Routed to Pond 97P : Sub. Det. 2

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.97' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.60'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.60' / 57.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=8.35 cfs @ 12.09 hrs HW=59.89' (Free Discharge)
1=Culvert (Inlet Controls 8.35 cfs @ 4.72 fps)

Pond 209P: DMH 64



Stage-Area-Storage for Pond 209P: DMH 64

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.60	**0.000**	58.66	0.000	59.72	0.000
57.62	0.000	58.68	0.000	59.74	0.000
57.64	0.000	58.70	0.000	59.76	0.000
57.66	0.000	58.72	0.000	59.78	0.000
57.68	0.000	58.74	0.000	59.80	0.000
57.70	0.000	58.76	0.000	59.82	0.000
57.72	0.000	58.78	0.000	59.84	0.000
57.74	0.000	58.80	0.000	59.86	0.000
57.76	0.000	58.82	0.000	59.88	0.000
57.78	0.000	58.84	0.000	59.90	0.000
57.80	0.000	58.86	0.000	59.92	0.000
57.82	0.000	58.88	0.000	59.94	0.000
57.84	0.000	58.90	0.000	59.96	0.000
57.86	0.000	58.92	0.000		
57.88	0.000	58.94	0.000		
57.90	0.000	58.96	0.000		
57.92	0.000	58.98	0.000		
57.94	0.000	59.00	0.000		
57.96	0.000	59.02	0.000		
57.98	0.000	59.04	0.000		
58.00	0.000	59.06	0.000		
58.02	0.000	59.08	0.000		
58.04	0.000	59.10	0.000		
58.06	0.000	59.12	0.000		
58.08	0.000	59.14	0.000		
58.10	0.000	59.16	0.000		
58.12	0.000	59.18	0.000		
58.14	0.000	59.20	0.000		
58.16	0.000	59.22	0.000		
58.18	0.000	59.24	0.000		
58.20	0.000	59.26	0.000		
58.22	0.000	59.28	0.000		
58.24	0.000	59.30	0.000		
58.26	0.000	59.32	0.000		
58.28	0.000	59.34	0.000		
58.30	0.000	59.36	0.000		
58.32	0.000	59.38	0.000		
58.34	0.000	59.40	0.000		
58.36	0.000	59.42	0.000		
58.38	0.000	59.44	0.000		
58.40	0.000	59.46	0.000		
58.42	0.000	59.48	0.000		
58.44	0.000	59.50	0.000		
58.46	0.000	59.52	0.000		
58.48	0.000	59.54	0.000		
58.50	0.000	59.56	0.000		
58.52	0.000	59.58	0.000		
58.54	0.000	59.60	0.000		
58.56	0.000	59.62	0.000		
58.58	0.000	59.64	0.000		
58.60	0.000	59.66	0.000		
58.62	0.000	59.68	0.000		
58.64	0.000	59.70	0.000		

Summary for Pond 210P: DMH 68

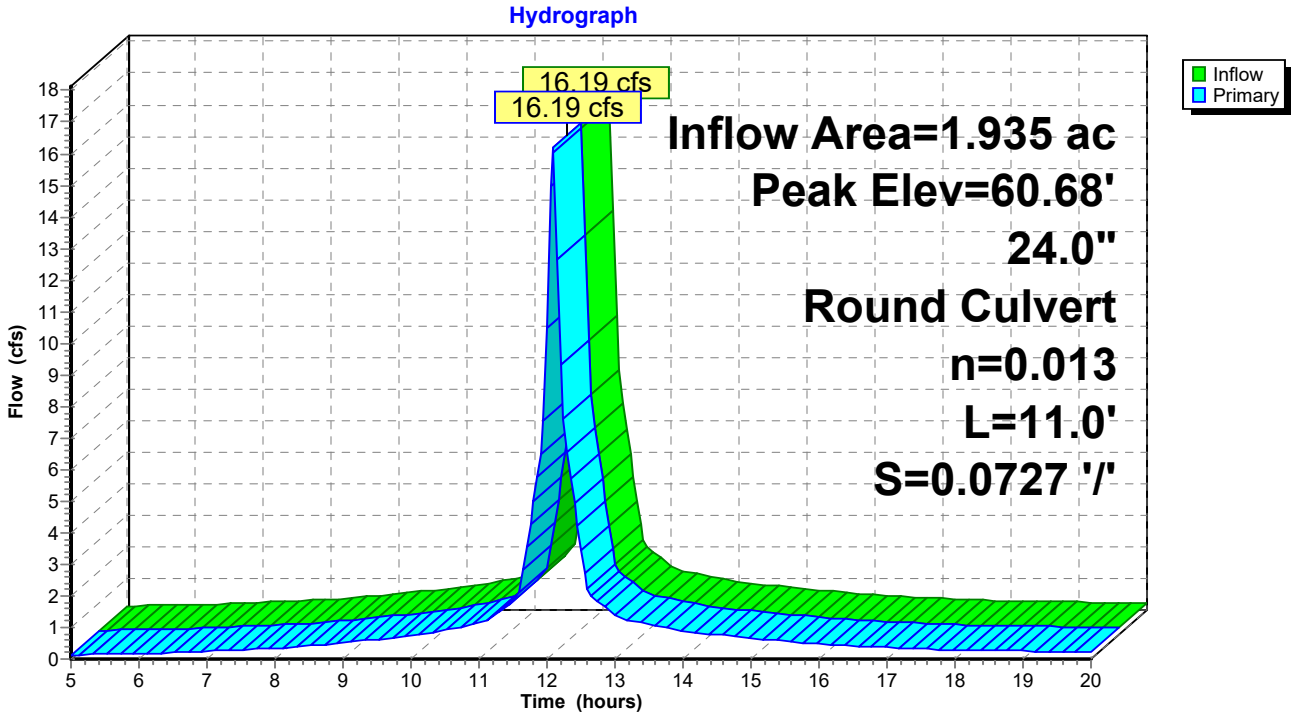
Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 7.55" for 100-Year event
Inflow = 16.19 cfs @ 12.09 hrs, Volume= 1.218 af
Outflow = 16.19 cfs @ 12.09 hrs, Volume= 1.218 af, Atten= 0%, Lag= 0.0 min
Primary = 16.19 cfs @ 12.09 hrs, Volume= 1.218 af
Routed to Pond 221P : Inf. Basin 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 60.68' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	57.85'	**24.0" Round Culvert** L= 11.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 57.85' / 57.05' S= 0.0727 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.77 cfs @ 12.09 hrs HW=60.59' (Free Discharge)
1=Culvert (Inlet Controls 15.77 cfs @ 5.02 fps)

Pond 210P: DMH 68



Stage-Area-Storage for Pond 210P: DMH 68

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
57.85	**0.000**	58.91	0.000	59.97	0.000
57.87	0.000	58.93	0.000	59.99	0.000
57.89	0.000	58.95	0.000	60.01	0.000
57.91	0.000	58.97	0.000	60.03	0.000
57.93	0.000	58.99	0.000	60.05	0.000
57.95	0.000	59.01	0.000	60.07	0.000
57.97	0.000	59.03	0.000	60.09	0.000
57.99	0.000	59.05	0.000	60.11	0.000
58.01	0.000	59.07	0.000	60.13	0.000
58.03	0.000	59.09	0.000	60.15	0.000
58.05	0.000	59.11	0.000	60.17	0.000
58.07	0.000	59.13	0.000	60.19	0.000
58.09	0.000	59.15	0.000	60.21	0.000
58.11	0.000	59.17	0.000	60.23	0.000
58.13	0.000	59.19	0.000	60.25	0.000
58.15	0.000	59.21	0.000	60.27	0.000
58.17	0.000	59.23	0.000	60.29	0.000
58.19	0.000	59.25	0.000	60.31	0.000
58.21	0.000	59.27	0.000	60.33	0.000
58.23	0.000	59.29	0.000	60.35	0.000
58.25	0.000	59.31	0.000	60.37	0.000
58.27	0.000	59.33	0.000	60.39	0.000
58.29	0.000	59.35	0.000	60.41	0.000
58.31	0.000	59.37	0.000	60.43	0.000
58.33	0.000	59.39	0.000	60.45	0.000
58.35	0.000	59.41	0.000	60.47	0.000
58.37	0.000	59.43	0.000	60.49	0.000
58.39	0.000	59.45	0.000	60.51	0.000
58.41	0.000	59.47	0.000	60.53	0.000
58.43	0.000	59.49	0.000	60.55	0.000
58.45	0.000	59.51	0.000	60.57	0.000
58.47	0.000	59.53	0.000	60.59	0.000
58.49	0.000	59.55	0.000	60.61	0.000
58.51	0.000	59.57	0.000	60.63	0.000
58.53	0.000	59.59	0.000	60.65	0.000
58.55	0.000	59.61	0.000	60.67	0.000
58.57	0.000	59.63	0.000		
58.59	0.000	59.65	0.000		
58.61	0.000	59.67	0.000		
58.63	0.000	59.69	0.000		
58.65	0.000	59.71	0.000		
58.67	0.000	59.73	0.000		
58.69	0.000	59.75	0.000		
58.71	0.000	59.77	0.000		
58.73	0.000	59.79	0.000		
58.75	0.000	59.81	0.000		
58.77	0.000	59.83	0.000		
58.79	0.000	59.85	0.000		
58.81	0.000	59.87	0.000		
58.83	0.000	59.89	0.000		
58.85	0.000	59.91	0.000		
58.87	0.000	59.93	0.000		
58.89	0.000	59.95	0.000		

Summary for Pond 211P: Sub. Inf. 1B

Inflow Area = 4.409 ac, 67.96% Impervious, Inflow Depth > 1.94" for 100-Year event
Inflow = 9.71 cfs @ 12.09 hrs, Volume= 0.711 af
Outflow = 6.97 cfs @ 12.21 hrs, Volume= 0.711 af, Atten= 28%, Lag= 7.0 min
Discarded = 2.67 cfs @ 12.21 hrs, Volume= 0.601 af
Primary = 4.30 cfs @ 12.21 hrs, Volume= 0.111 af
Routed to Pond 214P : DMH 4A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.51' @ 12.21 hrs Surf.Area= 0.064 ac Storage= 0.109 af

Plug-Flow detention time= 8.2 min calculated for 0.709 af (100% of inflow)
Center-of-Mass det. time= 8.2 min (774.0 - 765.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	50.00'	0.058 af	**25.25'W x 110.42'L x 3.50'H Field A** 0.224 af Overall - 0.080 af Embedded = 0.144 af x 40.0% Voids
#2A	50.50'	0.080 af	**ADS_StormTech SC-740 b +Cap** x 75 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 75 Chambers in 5 Rows Cap Storage= 2.7 cf x 2 x 5 rows = 26.5 cf
		0.137 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.00'	**22.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 47.00'
#2	Primary	51.50'	**24.0" Round Culvert** L= 110.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.50' / 48.00' S= 0.0318 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Discarded OutFlow Max=2.66 cfs @ 12.21 hrs HW=52.50' (Free Discharge)
↑**1=Exfiltration** (Controls 2.66 cfs)

Primary OutFlow Max=4.25 cfs @ 12.21 hrs HW=52.50' (Free Discharge)
↑**2=Culvert** (Inlet Controls 4.25 cfs @ 2.69 fps)

Pond 211P: Sub. Inf. 1B - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 5 rows = 26.5 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

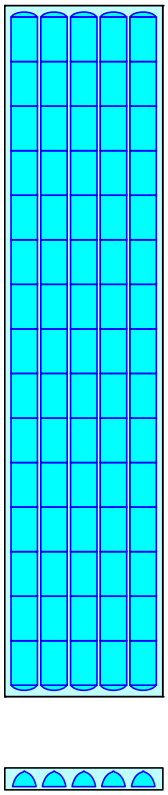
15 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 108.42' Row Length +12.0" End Stone x 2 = 110.42' Base Length
5 Rows x 51.0" Wide + 6.0" Spacing x 4 + 12.0" Side Stone x 2 = 25.25' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

75 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 5 Rows = 3,472.1 cf Chamber Storage

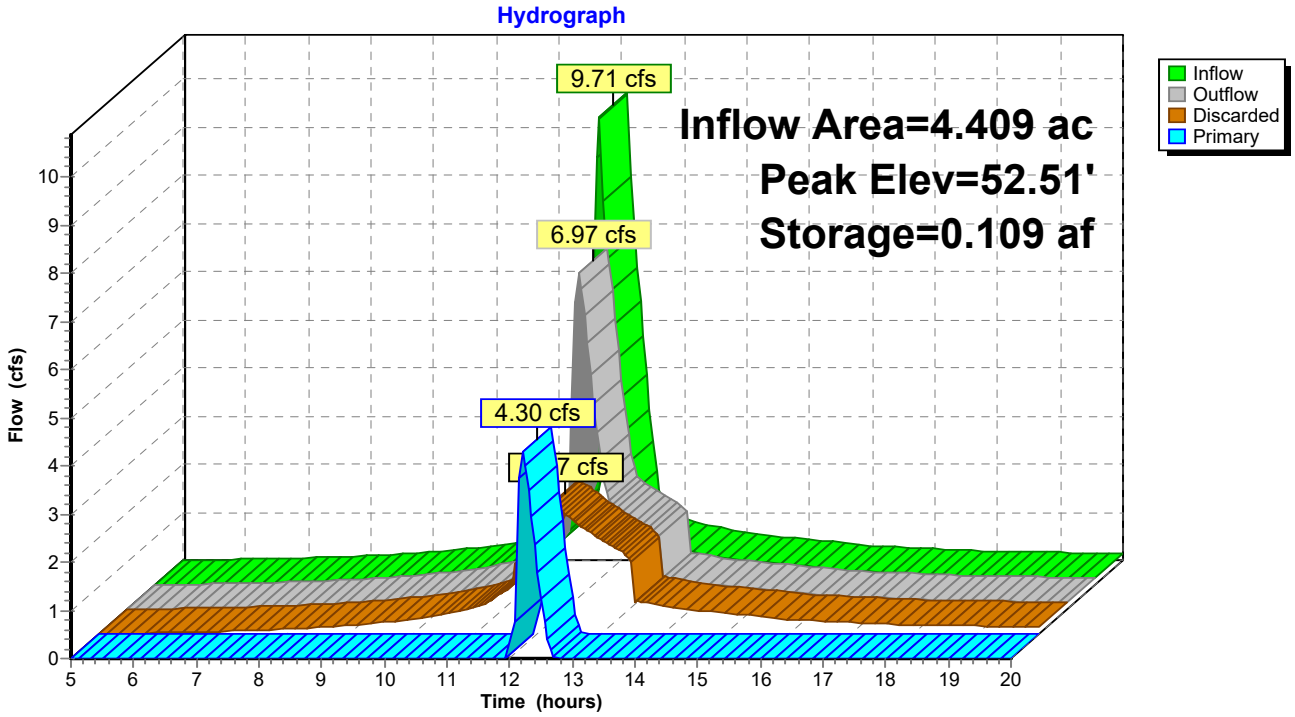
9,758.1 cf Field - 3,472.1 cf Chambers = 6,286.0 cf Stone x 40.0% Voids = 2,514.4 cf Stone Storage

Chamber Storage + Stone Storage = 5,986.5 cf = 0.137 af
Overall Storage Efficiency = 61.3%
Overall System Size = 110.42' x 25.25' x 3.50'

75 Chambers
361.4 cy Field
232.8 cy Stone



Pond 211P: Sub. Inf. 1B



Stage-Area-Storage for Pond 211P: Sub. Inf. 1B

Elevation (feet)	Surface (acres)	Storage (acre-feet)
50.00	**0.064**	0.000
50.05	0.064	0.001
50.10	0.064	0.003
50.15	0.064	0.004
50.20	0.064	0.005
50.25	0.064	0.006
50.30	0.064	0.008
50.35	0.064	0.009
50.40	0.064	0.010
50.45	0.064	0.012
50.50	0.064	0.013
50.55	0.064	0.015
50.60	0.064	0.018
50.65	0.064	0.021
50.70	0.064	0.023
50.75	0.064	0.026
50.80	0.064	0.029
50.85	0.064	0.031
50.90	0.064	0.034
50.95	0.064	0.037
51.00	0.064	0.039
51.05	0.064	0.042
51.10	0.064	0.044
51.15	0.064	0.047
51.20	0.064	0.049
51.25	0.064	0.052
51.30	0.064	0.054
51.35	0.064	0.057
51.40	0.064	0.059
51.45	0.064	0.062
51.50	0.064	0.064
51.55	0.064	0.067
51.60	0.064	0.069
51.65	0.064	0.072
51.70	0.064	0.074
51.75	0.064	0.076
51.80	0.064	0.079
51.85	0.064	0.081
51.90	0.064	0.083
51.95	0.064	0.086
52.00	0.064	0.088
52.05	0.064	0.090
52.10	0.064	0.092
52.15	0.064	0.095
52.20	0.064	0.097
52.25	0.064	0.099
52.30	0.064	0.101
52.35	0.064	0.103
52.40	0.064	0.105
52.45	0.064	0.107
52.50	0.064	0.109
52.55	0.064	0.111
52.60	0.064	0.113
52.65	0.064	0.114
52.70	0.064	0.116
52.75	0.064	0.118
52.80	0.064	0.119
52.85	0.064	0.121
52.90	0.064	0.122
52.95	0.064	0.123
53.00	0.064	0.125
53.05	0.064	0.126
53.10	0.064	0.127
53.15	0.064	0.128
53.20	0.064	0.130
53.25	0.064	0.131
53.30	0.064	0.132
53.35	0.064	0.134
53.40	0.064	0.135
53.45	0.064	0.136
53.50	0.064	**0.137**

Summary for Pond 212P: Sub. Inf. 1A

Inflow Area = 4.558 ac, 68.27% Impervious, Inflow Depth > 0.51" for 100-Year event
Inflow = 4.97 cfs @ 12.20 hrs, Volume= 0.194 af
Outflow = 3.44 cfs @ 12.35 hrs, Volume= 0.194 af, Atten= 31%, Lag= 9.2 min
Discarded = 0.87 cfs @ 12.35 hrs, Volume= 0.120 af
Primary = 2.56 cfs @ 12.35 hrs, Volume= 0.074 af
Routed to Pond 185P : DMH 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.91' @ 12.35 hrs Surf.Area= 0.055 ac Storage= 0.051 af

Plug-Flow detention time= 9.3 min calculated for 0.193 af (100% of inflow)
Center-of-Mass det. time= 9.2 min (755.4 - 746.2)

Volume	Invert	Avail.Storage	Storage Description
#1A	47.50'	0.050 af	**20.50'W x 117.54'L x 3.50'H Field A** 0.194 af Overall - 0.068 af Embedded = 0.126 af x 40.0% Voids
#2A	48.00'	0.068 af	**ADS_StormTech SC-740 b +Cap** x 64 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 64 Chambers in 4 Rows Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf
		0.118 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	47.50'	**10.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 45.00'
#2	Primary	48.00'	**18.0" Round Culvert** L= 17.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.00' / 47.85' S= 0.0088 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Discarded OutFlow Max=0.87 cfs @ 12.35 hrs HW=48.91' (Free Discharge)
1=Exfiltration (Controls 0.87 cfs)

Primary OutFlow Max=2.56 cfs @ 12.35 hrs HW=48.91' (Free Discharge)
2=Culvert (Barrel Controls 2.56 cfs @ 3.29 fps)

Pond 212P: Sub. Inf. 1A - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 4 rows = 21.2 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

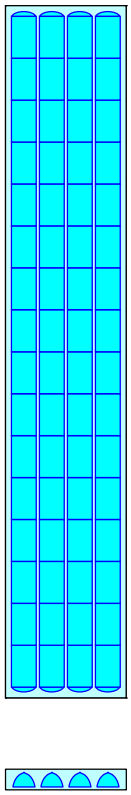
16 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 115.54' Row Length +12.0" End Stone x 2 = 117.54' Base Length
4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

64 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 4 Rows = 2,961.4 cf Chamber Storage

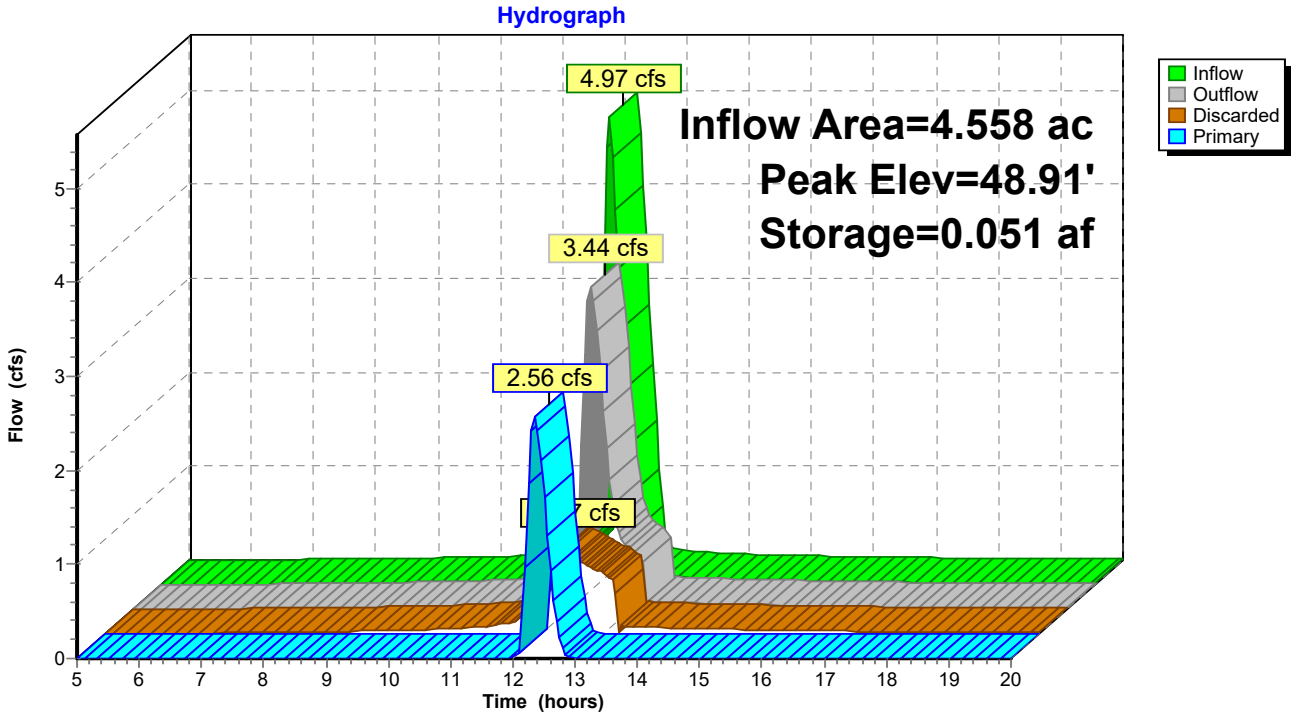
8,433.3 cf Field - 2,961.4 cf Chambers = 5,471.9 cf Stone x 40.0% Voids = 2,188.7 cf Stone Storage

Chamber Storage + Stone Storage = 5,150.1 cf = 0.118 af
Overall Storage Efficiency = 61.1%
Overall System Size = 117.54' x 20.50' x 3.50'

64 Chambers
312.3 cy Field
202.7 cy Stone



Pond 212P: Sub. Inf. 1A



Stage-Area-Storage for Pond 212P: Sub. Inf. 1A

Elevation (feet)	Surface (acres)	Storage (acre-feet)	Elevation (feet)	Surface (acres)	Storage (acre-feet)
47.50	**0.055**	0.000	50.15	0.055	0.098
47.55	0.055	0.001	50.20	0.055	0.100
47.60	0.055	0.002	50.25	0.055	0.101
47.65	0.055	0.003	50.30	0.055	0.102
47.70	0.055	0.004	50.35	0.055	0.104
47.75	0.055	0.006	50.40	0.055	0.105
47.80	0.055	0.007	50.45	0.055	0.106
47.85	0.055	0.008	50.50	0.055	0.107
47.90	0.055	0.009	50.55	0.055	0.108
47.95	0.055	0.010	50.60	0.055	0.109
48.00	0.055	0.011	50.65	0.055	0.110
48.05	0.055	0.013	50.70	0.055	0.112
48.10	0.055	0.016	50.75	0.055	0.113
48.15	0.055	0.018	50.80	0.055	0.114
48.20	0.055	0.020	50.85	0.055	0.115
48.25	0.055	0.022	50.90	0.055	0.116
48.30	0.055	0.025	50.95	0.055	0.117
48.35	0.055	0.027	51.00	0.055	**0.118**
48.40	0.055	0.029			
48.45	0.055	0.031			
48.50	0.055	0.034			
48.55	0.055	0.036			
48.60	0.055	0.038			
48.65	0.055	0.040			
48.70	0.055	0.042			
48.75	0.055	0.045			
48.80	0.055	0.047			
48.85	0.055	0.049			
48.90	0.055	0.051			
48.95	0.055	0.053			
49.00	0.055	0.055			
49.05	0.055	0.057			
49.10	0.055	0.059			
49.15	0.055	0.062			
49.20	0.055	0.064			
49.25	0.055	0.066			
49.30	0.055	0.068			
49.35	0.055	0.070			
49.40	0.055	0.072			
49.45	0.055	0.074			
49.50	0.055	0.076			
49.55	0.055	0.077			
49.60	0.055	0.079			
49.65	0.055	0.081			
49.70	0.055	0.083			
49.75	0.055	0.085			
49.80	0.055	0.087			
49.85	0.055	0.088			
49.90	0.055	0.090			
49.95	0.055	0.092			
50.00	0.055	0.094			
50.05	0.055	0.095			
50.10	0.055	0.097			

Summary for Pond 213P: DMH 2

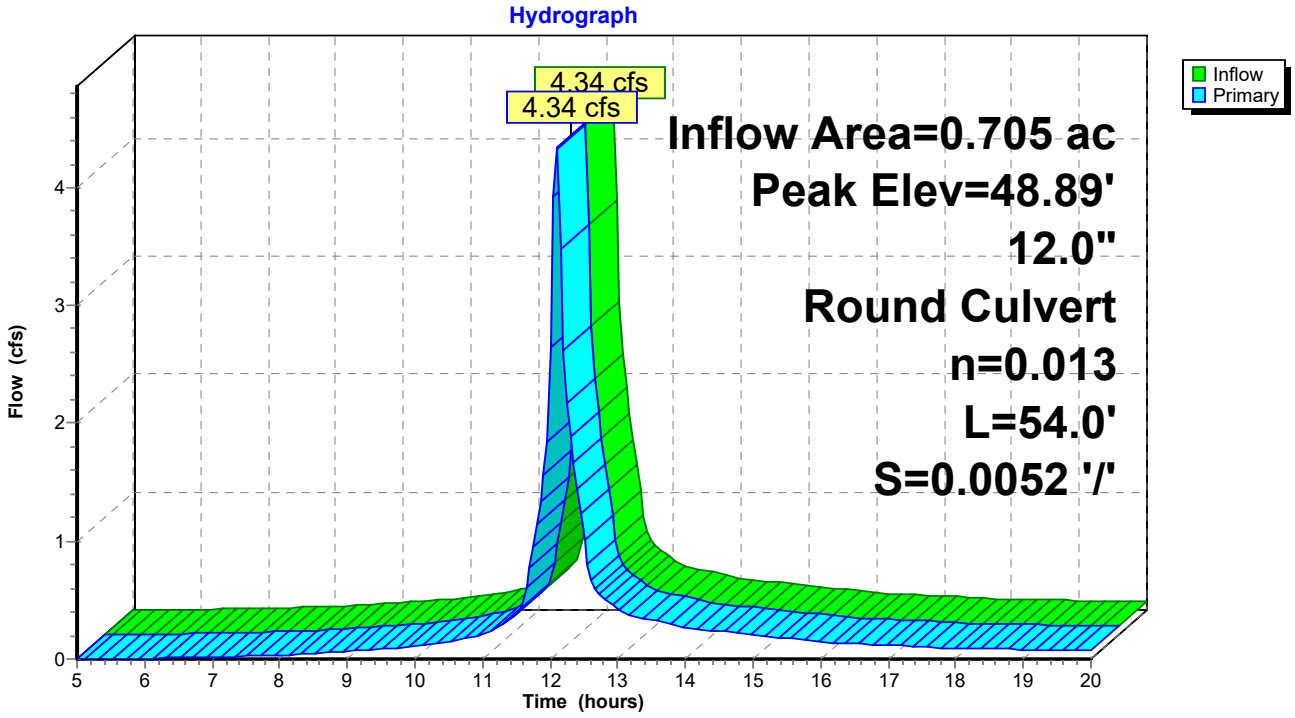
Inflow Area = 0.705 ac, 57.45% Impervious, Inflow Depth > 5.14" for 100-Year event
Inflow = 4.34 cfs @ 12.09 hrs, Volume= 0.302 af
Outflow = 4.34 cfs @ 12.09 hrs, Volume= 0.302 af, Atten= 0%, Lag= 0.0 min
Primary = 4.34 cfs @ 12.09 hrs, Volume= 0.302 af
Routed to Pond 186P : Constructed Wetland 1

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 48.89' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	46.28'	**12.0" Round Culvert** L= 54.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 46.28' / 46.00' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.25 cfs @ 12.09 hrs HW=48.81' (Free Discharge)
1=Culvert (Inlet Controls 4.25 cfs @ 5.41 fps)

Pond 213P: DMH 2



Stage-Area-Storage for Pond 213P: DMH 2

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
46.28	**0.000**	47.34	0.000	48.40	0.000
46.30	0.000	47.36	0.000	48.42	0.000
46.32	0.000	47.38	0.000	48.44	0.000
46.34	0.000	47.40	0.000	48.46	0.000
46.36	0.000	47.42	0.000	48.48	0.000
46.38	0.000	47.44	0.000	48.50	0.000
46.40	0.000	47.46	0.000	48.52	0.000
46.42	0.000	47.48	0.000	48.54	0.000
46.44	0.000	47.50	0.000	48.56	0.000
46.46	0.000	47.52	0.000	48.58	0.000
46.48	0.000	47.54	0.000	48.60	0.000
46.50	0.000	47.56	0.000	48.62	0.000
46.52	0.000	47.58	0.000	48.64	0.000
46.54	0.000	47.60	0.000	48.66	0.000
46.56	0.000	47.62	0.000	48.68	0.000
46.58	0.000	47.64	0.000	48.70	0.000
46.60	0.000	47.66	0.000	48.72	0.000
46.62	0.000	47.68	0.000	48.74	0.000
46.64	0.000	47.70	0.000	48.76	0.000
46.66	0.000	47.72	0.000	48.78	0.000
46.68	0.000	47.74	0.000	48.80	0.000
46.70	0.000	47.76	0.000	48.82	0.000
46.72	0.000	47.78	0.000	48.84	0.000
46.74	0.000	47.80	0.000	48.86	0.000
46.76	0.000	47.82	0.000	48.88	0.000
46.78	0.000	47.84	0.000		
46.80	0.000	47.86	0.000		
46.82	0.000	47.88	0.000		
46.84	0.000	47.90	0.000		
46.86	0.000	47.92	0.000		
46.88	0.000	47.94	0.000		
46.90	0.000	47.96	0.000		
46.92	0.000	47.98	0.000		
46.94	0.000	48.00	0.000		
46.96	0.000	48.02	0.000		
46.98	0.000	48.04	0.000		
47.00	0.000	48.06	0.000		
47.02	0.000	48.08	0.000		
47.04	0.000	48.10	0.000		
47.06	0.000	48.12	0.000		
47.08	0.000	48.14	0.000		
47.10	0.000	48.16	0.000		
47.12	0.000	48.18	0.000		
47.14	0.000	48.20	0.000		
47.16	0.000	48.22	0.000		
47.18	0.000	48.24	0.000		
47.20	0.000	48.26	0.000		
47.22	0.000	48.28	0.000		
47.24	0.000	48.30	0.000		
47.26	0.000	48.32	0.000		
47.28	0.000	48.34	0.000		
47.30	0.000	48.36	0.000		
47.32	0.000	48.38	0.000		

Summary for Pond 214P: DMH 4A

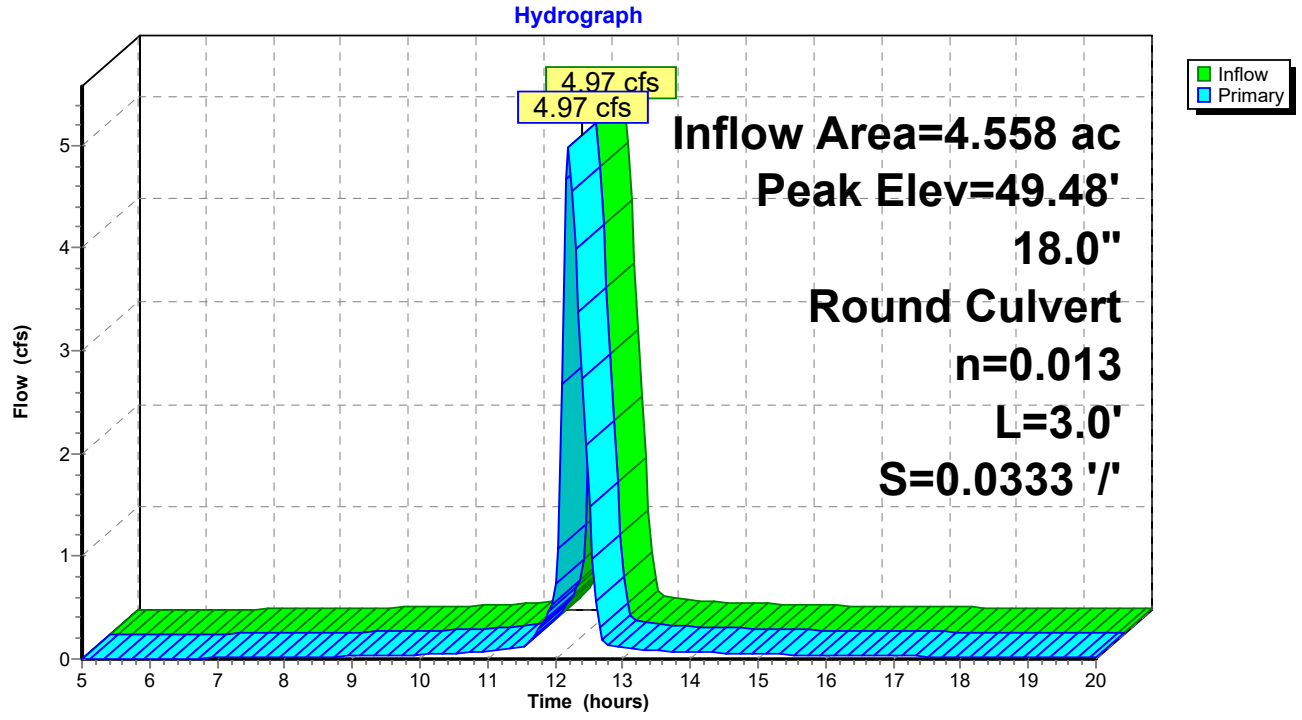
Inflow Area = 4.558 ac, 68.27% Impervious, Inflow Depth > 0.51" for 100-Year event
Inflow = 4.97 cfs @ 12.20 hrs, Volume= 0.194 af
Outflow = 4.97 cfs @ 12.20 hrs, Volume= 0.194 af, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.20 hrs, Volume= 0.194 af
Routed to Pond 212P : Sub. Inf. 1A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.48' @ 12.20 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.10'	**18.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.10' / 48.00' S= 0.0333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.95 cfs @ 12.20 hrs HW=49.47' (Free Discharge)
1=Culvert (Barrel Controls 4.95 cfs @ 3.83 fps)

Pond 214P: DMH 4A



Stage-Area-Storage for Pond 214P: DMH 4A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.10	**0.000**	48.63	0.000	49.16	0.000
48.11	0.000	48.64	0.000	49.17	0.000
48.12	0.000	48.65	0.000	49.18	0.000
48.13	0.000	48.66	0.000	49.19	0.000
48.14	0.000	48.67	0.000	49.20	0.000
48.15	0.000	48.68	0.000	49.21	0.000
48.16	0.000	48.69	0.000	49.22	0.000
48.17	0.000	48.70	0.000	49.23	0.000
48.18	0.000	48.71	0.000	49.24	0.000
48.19	0.000	48.72	0.000	49.25	0.000
48.20	0.000	48.73	0.000	49.26	0.000
48.21	0.000	48.74	0.000	49.27	0.000
48.22	0.000	48.75	0.000	49.28	0.000
48.23	0.000	48.76	0.000	49.29	0.000
48.24	0.000	48.77	0.000	49.30	0.000
48.25	0.000	48.78	0.000	49.31	0.000
48.26	0.000	48.79	0.000	49.32	0.000
48.27	0.000	48.80	0.000	49.33	0.000
48.28	0.000	48.81	0.000	49.34	0.000
48.29	0.000	48.82	0.000	49.35	0.000
48.30	0.000	48.83	0.000	49.36	0.000
48.31	0.000	48.84	0.000	49.37	0.000
48.32	0.000	48.85	0.000	49.38	0.000
48.33	0.000	48.86	0.000	49.39	0.000
48.34	0.000	48.87	0.000	49.40	0.000
48.35	0.000	48.88	0.000	49.41	0.000
48.36	0.000	48.89	0.000	49.42	0.000
48.37	0.000	48.90	0.000	49.43	0.000
48.38	0.000	48.91	0.000	49.44	0.000
48.39	0.000	48.92	0.000	49.45	0.000
48.40	0.000	48.93	0.000	49.46	0.000
48.41	0.000	48.94	0.000	49.47	0.000
48.42	0.000	48.95	0.000	49.48	0.000
48.43	0.000	48.96	0.000	49.49	0.000
48.44	0.000	48.97	0.000	49.50	0.000
48.45	0.000	48.98	0.000	49.51	0.000
48.46	0.000	48.99	0.000	49.52	0.000
48.47	0.000	49.00	0.000	49.53	0.000
48.48	0.000	49.01	0.000	49.54	0.000
48.49	0.000	49.02	0.000	49.55	0.000
48.50	0.000	49.03	0.000	49.56	0.000
48.51	0.000	49.04	0.000	49.57	0.000
48.52	0.000	49.05	0.000	49.58	0.000
48.53	0.000	49.06	0.000	49.59	0.000
48.54	0.000	49.07	0.000	49.60	0.000
48.55	0.000	49.08	0.000		
48.56	0.000	49.09	0.000		
48.57	0.000	49.10	0.000		
48.58	0.000	49.11	0.000		
48.59	0.000	49.12	0.000		
48.60	0.000	49.13	0.000		
48.61	0.000	49.14	0.000		
48.62	0.000	49.15	0.000		

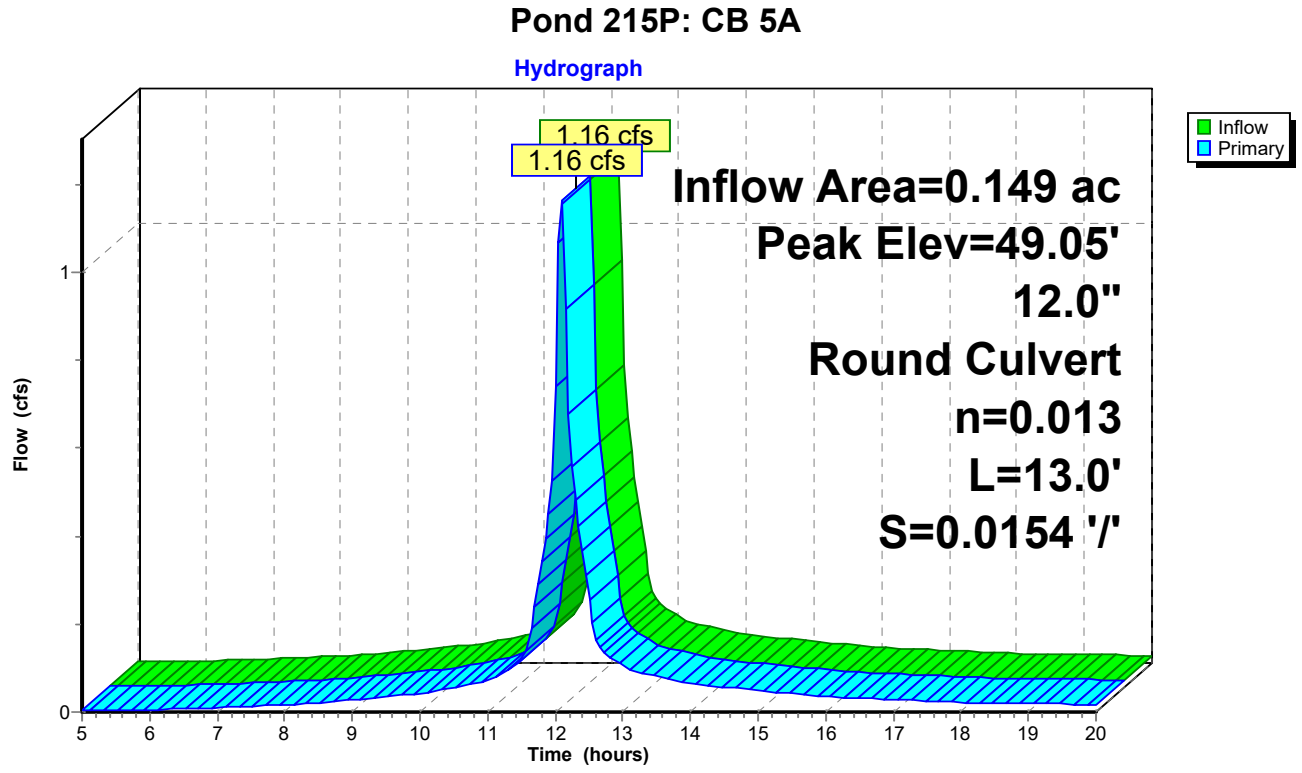
Summary for Pond 215P: CB 5A

Inflow Area = 0.149 ac, 77.32% Impervious, Inflow Depth > 6.73" for 100-Year event
Inflow = 1.16 cfs @ 12.09 hrs, Volume= 0.084 af
Outflow = 1.16 cfs @ 12.09 hrs, Volume= 0.084 af, Atten= 0%, Lag= 0.0 min
Primary = 1.16 cfs @ 12.09 hrs, Volume= 0.084 af
Routed to Pond 214P : DMH 4A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 49.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	48.40'	**12.0" Round Culvert** L= 13.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 48.40' / 48.20' S= 0.0154 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.13 cfs @ 12.09 hrs HW=49.04' (Free Discharge)
1=Culvert (Inlet Controls 1.13 cfs @ 2.15 fps)



Stage-Area-Storage for Pond 215P: CB 5A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
48.40	**0.000**	48.93	0.000
48.41	0.000	48.94	0.000
48.42	0.000	48.95	0.000
48.43	0.000	48.96	0.000
48.44	0.000	48.97	0.000
48.45	0.000	48.98	0.000
48.46	0.000	48.99	0.000
48.47	0.000	49.00	0.000
48.48	0.000	49.01	0.000
48.49	0.000	49.02	0.000
48.50	0.000	49.03	0.000
48.51	0.000	49.04	0.000
48.52	0.000	49.05	0.000
48.53	0.000	49.06	0.000
48.54	0.000	49.07	0.000
48.55	0.000	49.08	0.000
48.56	0.000	49.09	0.000
48.57	0.000	49.10	0.000
48.58	0.000	49.11	0.000
48.59	0.000	49.12	0.000
48.60	0.000	49.13	0.000
48.61	0.000	49.14	0.000
48.62	0.000	49.15	0.000
48.63	0.000	49.16	0.000
48.64	0.000	49.17	0.000
48.65	0.000	49.18	0.000
48.66	0.000	49.19	0.000
48.67	0.000	49.20	0.000
48.68	0.000	49.21	0.000
48.69	0.000	49.22	0.000
48.70	0.000	49.23	0.000
48.71	0.000	49.24	0.000
48.72	0.000	49.25	0.000
48.73	0.000	49.26	0.000
48.74	0.000	49.27	0.000
48.75	0.000	49.28	0.000
48.76	0.000	49.29	0.000
48.77	0.000	49.30	0.000
48.78	0.000	49.31	0.000
48.79	0.000	49.32	0.000
48.80	0.000	49.33	0.000
48.81	0.000	49.34	0.000
48.82	0.000	49.35	0.000
48.83	0.000	49.36	0.000
48.84	0.000	49.37	0.000
48.85	0.000	49.38	0.000
48.86	0.000	49.39	0.000
48.87	0.000	49.40	0.000
48.88	0.000		
48.89	0.000		
48.90	0.000		
48.91	0.000		
48.92	0.000		

Summary for Pond 216P: CB 8A

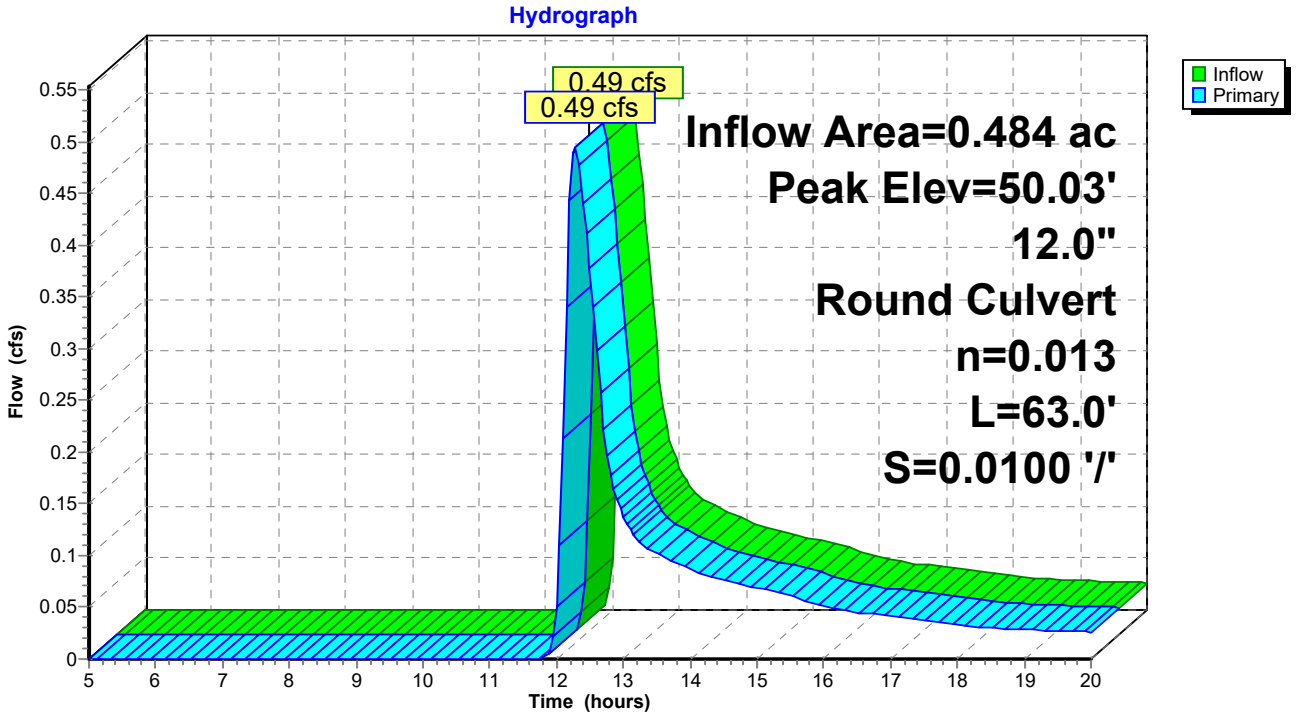
Inflow Area = 0.484 ac, 16.33% Impervious, Inflow Depth > 1.39" for 100-Year event
Inflow = 0.49 cfs @ 12.27 hrs, Volume= 0.056 af
Outflow = 0.49 cfs @ 12.27 hrs, Volume= 0.056 af, Atten= 0%, Lag= 0.0 min
Primary = 0.49 cfs @ 12.27 hrs, Volume= 0.056 af
Routed to Pond 171P : DMH 6

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 50.03' @ 12.27 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	49.63'	**12.0" Round Culvert** L= 63.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 49.63' / 49.00' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.27 hrs HW=50.03' (Free Discharge)
1=Culvert (Inlet Controls 0.49 cfs @ 1.69 fps)

Pond 216P: CB 8A



Stage-Area-Storage for Pond 216P: CB 8A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
49.63	**0.000**	50.16	0.000
49.64	0.000	50.17	0.000
49.65	0.000	50.18	0.000
49.66	0.000	50.19	0.000
49.67	0.000	50.20	0.000
49.68	0.000	50.21	0.000
49.69	0.000	50.22	0.000
49.70	0.000	50.23	0.000
49.71	0.000	50.24	0.000
49.72	0.000	50.25	0.000
49.73	0.000	50.26	0.000
49.74	0.000	50.27	0.000
49.75	0.000	50.28	0.000
49.76	0.000	50.29	0.000
49.77	0.000	50.30	0.000
49.78	0.000	50.31	0.000
49.79	0.000	50.32	0.000
49.80	0.000	50.33	0.000
49.81	0.000	50.34	0.000
49.82	0.000	50.35	0.000
49.83	0.000	50.36	0.000
49.84	0.000	50.37	0.000
49.85	0.000	50.38	0.000
49.86	0.000	50.39	0.000
49.87	0.000	50.40	0.000
49.88	0.000	50.41	0.000
49.89	0.000	50.42	0.000
49.90	0.000	50.43	0.000
49.91	0.000	50.44	0.000
49.92	0.000	50.45	0.000
49.93	0.000	50.46	0.000
49.94	0.000	50.47	0.000
49.95	0.000	50.48	0.000
49.96	0.000	50.49	0.000
49.97	0.000	50.50	0.000
49.98	0.000	50.51	0.000
49.99	0.000	50.52	0.000
50.00	0.000	50.53	0.000
50.01	0.000	50.54	0.000
50.02	0.000	50.55	0.000
50.03	0.000	50.56	0.000
50.04	0.000	50.57	0.000
50.05	0.000	50.58	0.000
50.06	0.000	50.59	0.000
50.07	0.000	50.60	0.000
50.08	0.000	50.61	0.000
50.09	0.000	50.62	0.000
50.10	0.000	50.63	0.000
50.11	0.000		
50.12	0.000		
50.13	0.000		
50.14	0.000		
50.15	0.000		

Summary for Pond 217P: DMH 8A

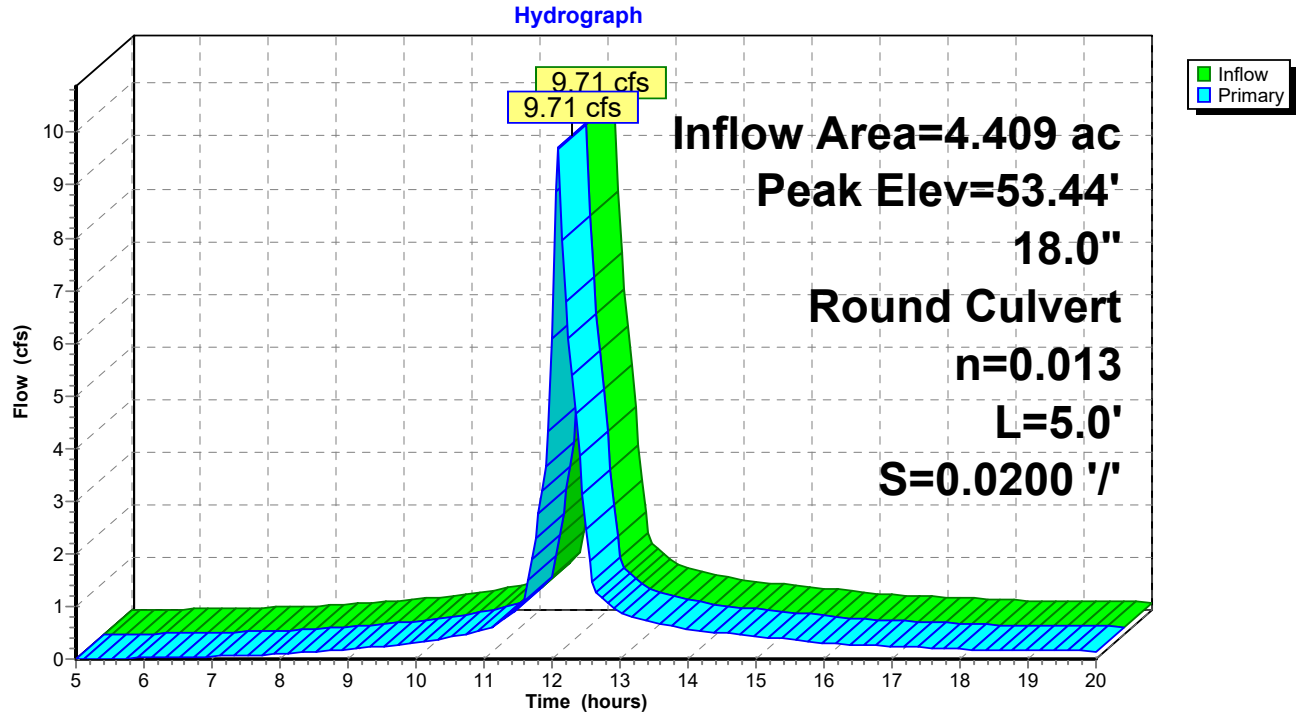
Inflow Area = 4.409 ac, 67.96% Impervious, Inflow Depth > 1.94" for 100-Year event
Inflow = 9.71 cfs @ 12.09 hrs, Volume= 0.711 af
Outflow = 9.71 cfs @ 12.09 hrs, Volume= 0.711 af, Atten= 0%, Lag= 0.0 min
Primary = 9.71 cfs @ 12.09 hrs, Volume= 0.711 af
Routed to Pond 211P : Sub. Inf. 1B

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 53.44' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.60'	**18.0" Round Culvert** L= 5.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.60' / 50.50' S= 0.0200 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=9.53 cfs @ 12.09 hrs HW=53.36' (Free Discharge)
1=Culvert (Inlet Controls 9.53 cfs @ 5.39 fps)

Pond 217P: DMH 8A



Stage-Area-Storage for Pond 217P: DMH 8A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.60	**0.000**	51.66	0.000	52.72	0.000
50.62	0.000	51.68	0.000	52.74	0.000
50.64	0.000	51.70	0.000	52.76	0.000
50.66	0.000	51.72	0.000	52.78	0.000
50.68	0.000	51.74	0.000	52.80	0.000
50.70	0.000	51.76	0.000	52.82	0.000
50.72	0.000	51.78	0.000	52.84	0.000
50.74	0.000	51.80	0.000	52.86	0.000
50.76	0.000	51.82	0.000	52.88	0.000
50.78	0.000	51.84	0.000	52.90	0.000
50.80	0.000	51.86	0.000	52.92	0.000
50.82	0.000	51.88	0.000	52.94	0.000
50.84	0.000	51.90	0.000	52.96	0.000
50.86	0.000	51.92	0.000	52.98	0.000
50.88	0.000	51.94	0.000	53.00	0.000
50.90	0.000	51.96	0.000	53.02	0.000
50.92	0.000	51.98	0.000	53.04	0.000
50.94	0.000	52.00	0.000	53.06	0.000
50.96	0.000	52.02	0.000	53.08	0.000
50.98	0.000	52.04	0.000	53.10	0.000
51.00	0.000	52.06	0.000	53.12	0.000
51.02	0.000	52.08	0.000	53.14	0.000
51.04	0.000	52.10	0.000	53.16	0.000
51.06	0.000	52.12	0.000	53.18	0.000
51.08	0.000	52.14	0.000	53.20	0.000
51.10	0.000	52.16	0.000	53.22	0.000
51.12	0.000	52.18	0.000	53.24	0.000
51.14	0.000	52.20	0.000	53.26	0.000
51.16	0.000	52.22	0.000	53.28	0.000
51.18	0.000	52.24	0.000	53.30	0.000
51.20	0.000	52.26	0.000	53.32	0.000
51.22	0.000	52.28	0.000	53.34	0.000
51.24	0.000	52.30	0.000	53.36	0.000
51.26	0.000	52.32	0.000	53.38	0.000
51.28	0.000	52.34	0.000	53.40	0.000
51.30	0.000	52.36	0.000	53.42	0.000
51.32	0.000	52.38	0.000	53.44	0.000
51.34	0.000	52.40	0.000		
51.36	0.000	52.42	0.000		
51.38	0.000	52.44	0.000		
51.40	0.000	52.46	0.000		
51.42	0.000	52.48	0.000		
51.44	0.000	52.50	0.000		
51.46	0.000	52.52	0.000		
51.48	0.000	52.54	0.000		
51.50	0.000	52.56	0.000		
51.52	0.000	52.58	0.000		
51.54	0.000	52.60	0.000		
51.56	0.000	52.62	0.000		
51.58	0.000	52.64	0.000		
51.60	0.000	52.66	0.000		
51.62	0.000	52.68	0.000		
51.64	0.000	52.70	0.000		

Summary for Pond 218P: CB A

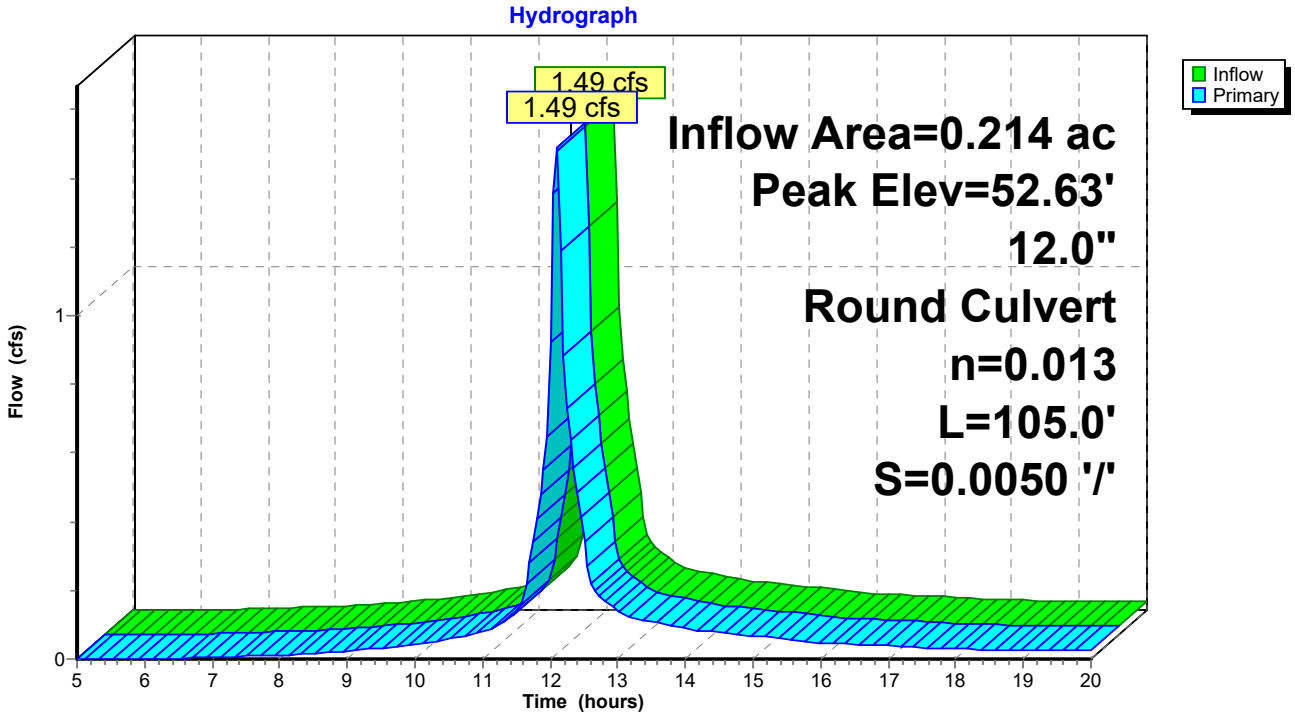
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 5.78" for 100-Year event
Inflow = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af
Routed to Pond 219P : DMH A

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.63' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.85'	**12.0" Round Culvert** L= 105.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.85' / 51.32' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.46 cfs @ 12.09 hrs HW=52.62' (Free Discharge)
1=Culvert (Barrel Controls 1.46 cfs @ 3.10 fps)

Pond 218P: CB A



Stage-Area-Storage for Pond 218P: CB A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.85	**0.000**	52.38	0.000
51.86	0.000	52.39	0.000
51.87	0.000	52.40	0.000
51.88	0.000	52.41	0.000
51.89	0.000	52.42	0.000
51.90	0.000	52.43	0.000
51.91	0.000	52.44	0.000
51.92	0.000	52.45	0.000
51.93	0.000	52.46	0.000
51.94	0.000	52.47	0.000
51.95	0.000	52.48	0.000
51.96	0.000	52.49	0.000
51.97	0.000	52.50	0.000
51.98	0.000	52.51	0.000
51.99	0.000	52.52	0.000
52.00	0.000	52.53	0.000
52.01	0.000	52.54	0.000
52.02	0.000	52.55	0.000
52.03	0.000	52.56	0.000
52.04	0.000	52.57	0.000
52.05	0.000	52.58	0.000
52.06	0.000	52.59	0.000
52.07	0.000	52.60	0.000
52.08	0.000	52.61	0.000
52.09	0.000	52.62	0.000
52.10	0.000	52.63	0.000
52.11	0.000	52.64	0.000
52.12	0.000	52.65	0.000
52.13	0.000	52.66	0.000
52.14	0.000	52.67	0.000
52.15	0.000	52.68	0.000
52.16	0.000	52.69	0.000
52.17	0.000	52.70	0.000
52.18	0.000	52.71	0.000
52.19	0.000	52.72	0.000
52.20	0.000	52.73	0.000
52.21	0.000	52.74	0.000
52.22	0.000	52.75	0.000
52.23	0.000	52.76	0.000
52.24	0.000	52.77	0.000
52.25	0.000	52.78	0.000
52.26	0.000	52.79	0.000
52.27	0.000	52.80	0.000
52.28	0.000	52.81	0.000
52.29	0.000	52.82	0.000
52.30	0.000	52.83	0.000
52.31	0.000	52.84	0.000
52.32	0.000	52.85	0.000
52.33	0.000		
52.34	0.000		
52.35	0.000		
52.36	0.000		
52.37	0.000		

Summary for Pond 219P: DMH A

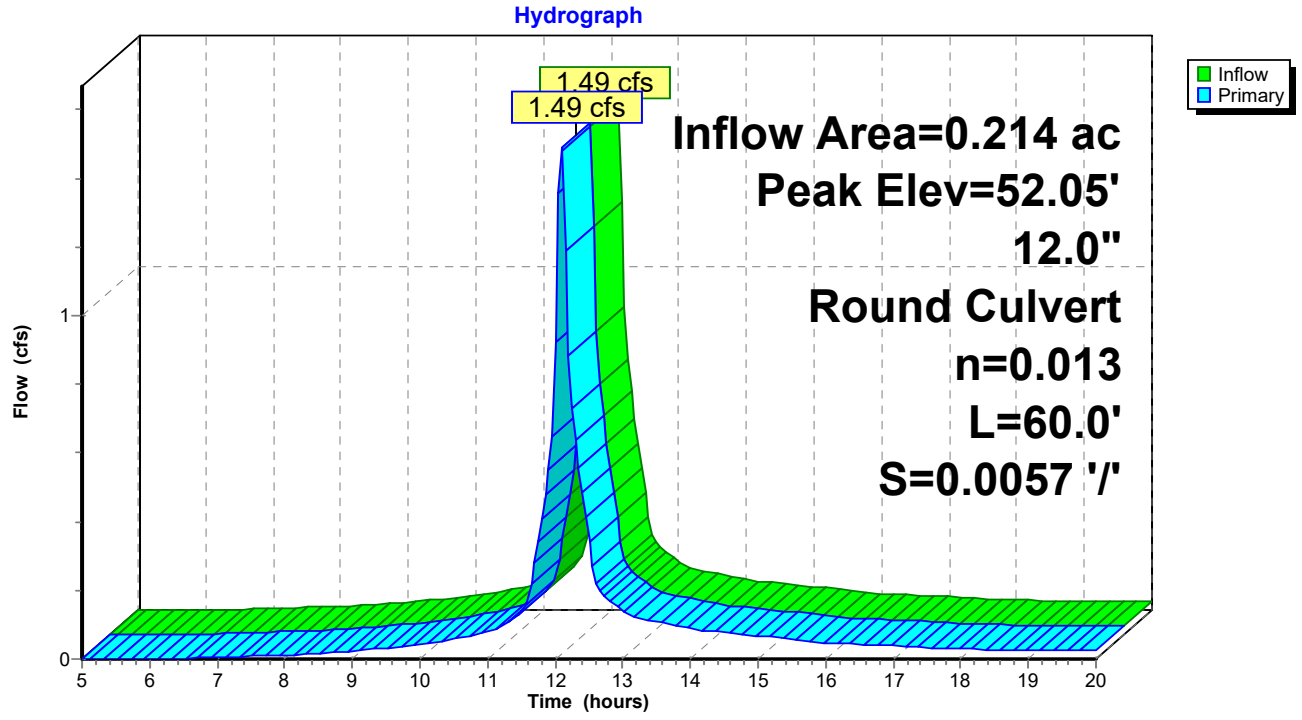
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 5.78" for 100-Year event
Inflow = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af
Routed to Pond 220P : DMH B

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 52.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	51.27'	**12.0" Round Culvert** L= 60.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 51.27' / 50.93' S= 0.0057 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.46 cfs @ 12.09 hrs HW=52.04' (Free Discharge)
1=Culvert (Barrel Controls 1.46 cfs @ 3.09 fps)

Pond 219P: DMH A



Stage-Area-Storage for Pond 219P: DMH A

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
51.27	**0.000**	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000	51.89	0.000
51.37	0.000	51.90	0.000
51.38	0.000	51.91	0.000
51.39	0.000	51.92	0.000
51.40	0.000	51.93	0.000
51.41	0.000	51.94	0.000
51.42	0.000	51.95	0.000
51.43	0.000	51.96	0.000
51.44	0.000	51.97	0.000
51.45	0.000	51.98	0.000
51.46	0.000	51.99	0.000
51.47	0.000	52.00	0.000
51.48	0.000	52.01	0.000
51.49	0.000	52.02	0.000
51.50	0.000	52.03	0.000
51.51	0.000	52.04	0.000
51.52	0.000	52.05	0.000
51.53	0.000	52.06	0.000
51.54	0.000	52.07	0.000
51.55	0.000	52.08	0.000
51.56	0.000	52.09	0.000
51.57	0.000	52.10	0.000
51.58	0.000	52.11	0.000
51.59	0.000	52.12	0.000
51.60	0.000	52.13	0.000
51.61	0.000	52.14	0.000
51.62	0.000	52.15	0.000
51.63	0.000	52.16	0.000
51.64	0.000	52.17	0.000
51.65	0.000	52.18	0.000
51.66	0.000	52.19	0.000
51.67	0.000	52.20	0.000
51.68	0.000	52.21	0.000
51.69	0.000	52.22	0.000
51.70	0.000	52.23	0.000
51.71	0.000	52.24	0.000
51.72	0.000	52.25	0.000
51.73	0.000	52.26	0.000
51.74	0.000	52.27	0.000
51.75	0.000		
51.76	0.000		
51.77	0.000		
51.78	0.000		
51.79	0.000		

Summary for Pond 220P: DMH B

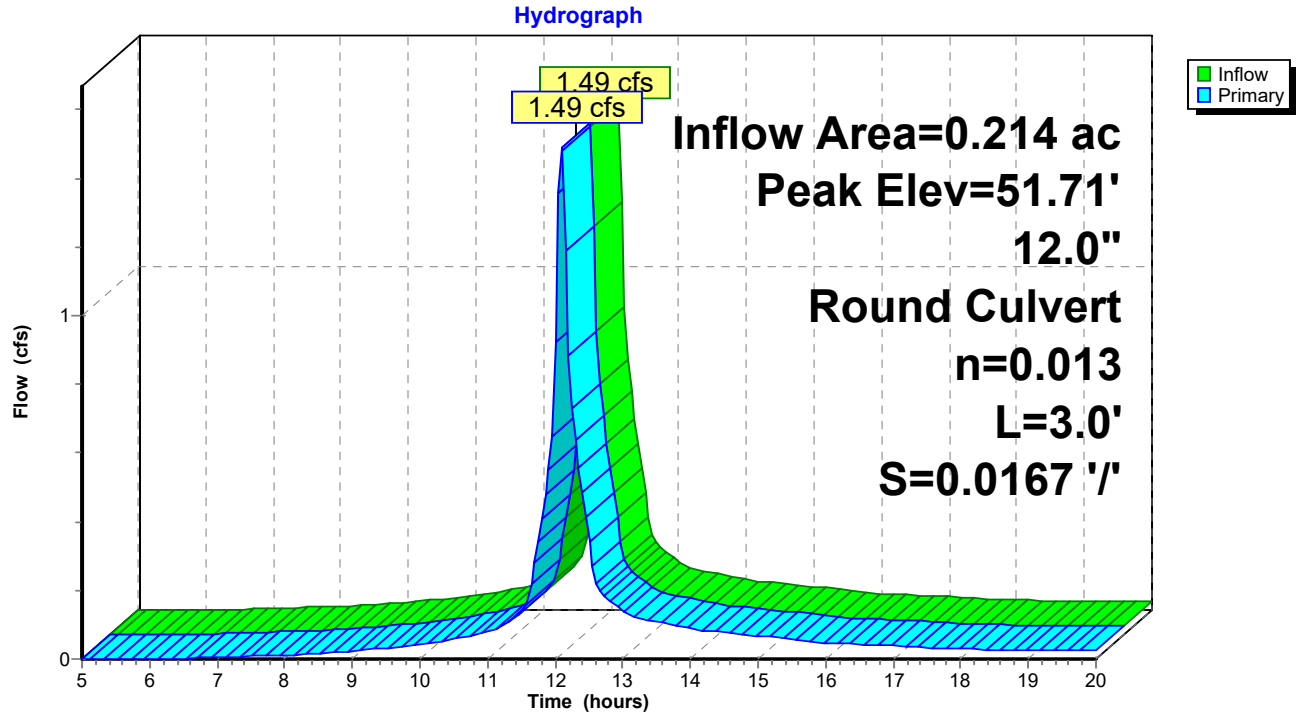
Inflow Area = 0.214 ac, 64.54% Impervious, Inflow Depth > 5.78" for 100-Year event
Inflow = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af
Outflow = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.49 cfs @ 12.09 hrs, Volume= 0.103 af
Routed to Pond 192P : Sub. Inf. 8

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 51.71' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	50.88'	**12.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 50.88' / 50.83' S= 0.0167 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.46 cfs @ 12.09 hrs HW=51.70' (Free Discharge)
1=Culvert (Barrel Controls 1.46 cfs @ 2.88 fps)

Pond 220P: DMH B



Stage-Area-Storage for Pond 220P: DMH B

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
50.88	**0.000**	51.41	0.000
50.89	0.000	51.42	0.000
50.90	0.000	51.43	0.000
50.91	0.000	51.44	0.000
50.92	0.000	51.45	0.000
50.93	0.000	51.46	0.000
50.94	0.000	51.47	0.000
50.95	0.000	51.48	0.000
50.96	0.000	51.49	0.000
50.97	0.000	51.50	0.000
50.98	0.000	51.51	0.000
50.99	0.000	51.52	0.000
51.00	0.000	51.53	0.000
51.01	0.000	51.54	0.000
51.02	0.000	51.55	0.000
51.03	0.000	51.56	0.000
51.04	0.000	51.57	0.000
51.05	0.000	51.58	0.000
51.06	0.000	51.59	0.000
51.07	0.000	51.60	0.000
51.08	0.000	51.61	0.000
51.09	0.000	51.62	0.000
51.10	0.000	51.63	0.000
51.11	0.000	51.64	0.000
51.12	0.000	51.65	0.000
51.13	0.000	51.66	0.000
51.14	0.000	51.67	0.000
51.15	0.000	51.68	0.000
51.16	0.000	51.69	0.000
51.17	0.000	51.70	0.000
51.18	0.000	51.71	0.000
51.19	0.000	51.72	0.000
51.20	0.000	51.73	0.000
51.21	0.000	51.74	0.000
51.22	0.000	51.75	0.000
51.23	0.000	51.76	0.000
51.24	0.000	51.77	0.000
51.25	0.000	51.78	0.000
51.26	0.000	51.79	0.000
51.27	0.000	51.80	0.000
51.28	0.000	51.81	0.000
51.29	0.000	51.82	0.000
51.30	0.000	51.83	0.000
51.31	0.000	51.84	0.000
51.32	0.000	51.85	0.000
51.33	0.000	51.86	0.000
51.34	0.000	51.87	0.000
51.35	0.000	51.88	0.000
51.36	0.000		
51.37	0.000		
51.38	0.000		
51.39	0.000		
51.40	0.000		

Summary for Pond 221P: Inf. Basin 6

Inflow Area = 1.935 ac, 78.08% Impervious, Inflow Depth > 7.55" for 100-Year event
Inflow = 16.19 cfs @ 12.09 hrs, Volume= 1.218 af
Outflow = 5.49 cfs @ 12.37 hrs, Volume= 1.173 af, Atten= 66%, Lag= 16.8 min
Discarded = 0.29 cfs @ 12.37 hrs, Volume= 0.144 af
Primary = 5.20 cfs @ 12.37 hrs, Volume= 1.029 af
Routed to Pond 195P : Constructed Wetland 4

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 59.53' @ 12.37 hrs Surf.Area= 5,722 sf Storage= 14,850 cf

Plug-Flow detention time= 50.5 min calculated for 1.169 af (96% of inflow)
Center-of-Mass det. time= 35.5 min (778.0 - 742.4)

Volume	Invert	Avail.Storage	Storage Description
#1	56.00'	17,627 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

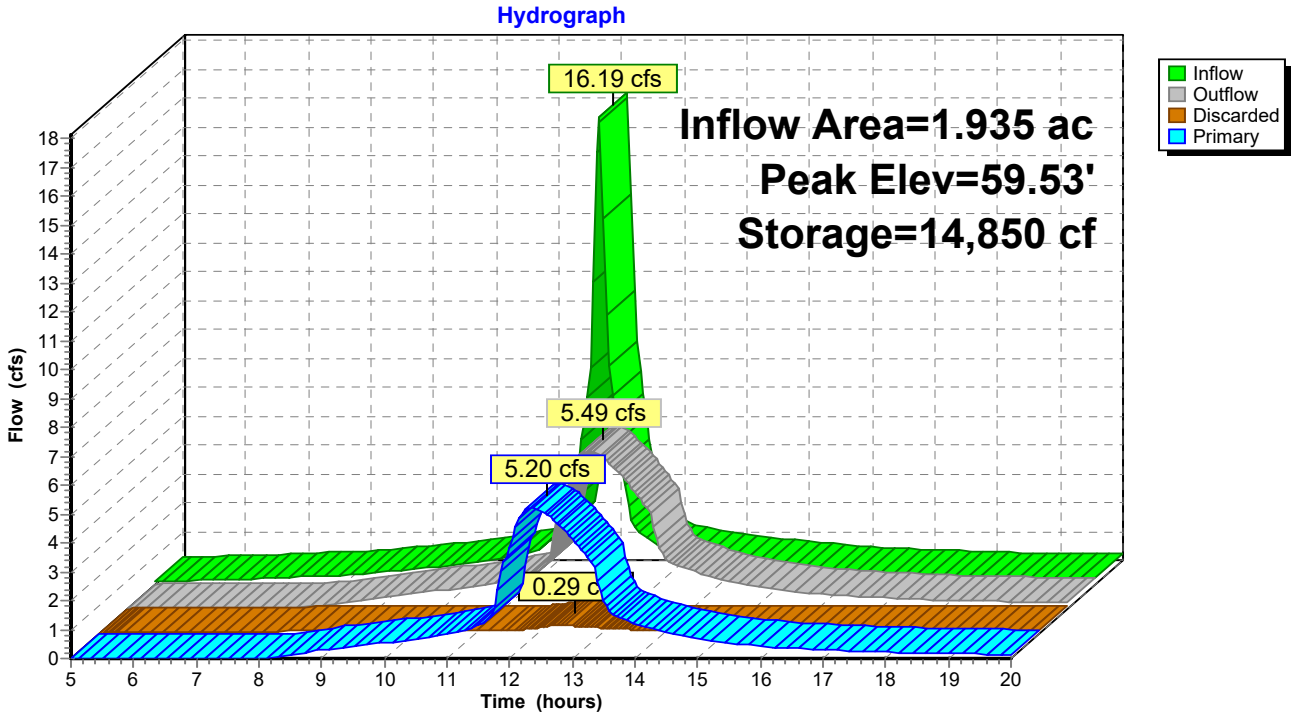
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
56.00	2,718	0	0
57.00	3,594	3,156	3,156
58.00	4,371	3,983	7,139
59.00	5,223	4,797	11,936
60.00	6,159	5,691	17,627

Device	Routing	Invert	Outlet Devices
#1	Discarded	56.00'	**1.020 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 54.00'
#2	Primary	56.00'	**12.0" Round Culvert** L= 35.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 56.00' / 53.00' S= 0.0857 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	56.50'	**6.0" Vert. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	57.30'	**24.0" W x 24.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.29 cfs @ 12.37 hrs HW=59.53' (Free Discharge)
└**1=Exfiltration** (Controls 0.29 cfs)

Primary OutFlow Max=5.20 cfs @ 12.37 hrs HW=59.53' (Free Discharge)
└**2=Culvert** (Inlet Controls 5.20 cfs @ 6.62 fps)
├**3=Orifice/Grate** (Passes < 3.15 cfs potential flow)
└**4=Orifice/Grate** (Passes < 20.67 cfs potential flow)

Pond 221P: Inf. Basin 6



Stage-Area-Storage for Pond 221P: Inf. Basin 6

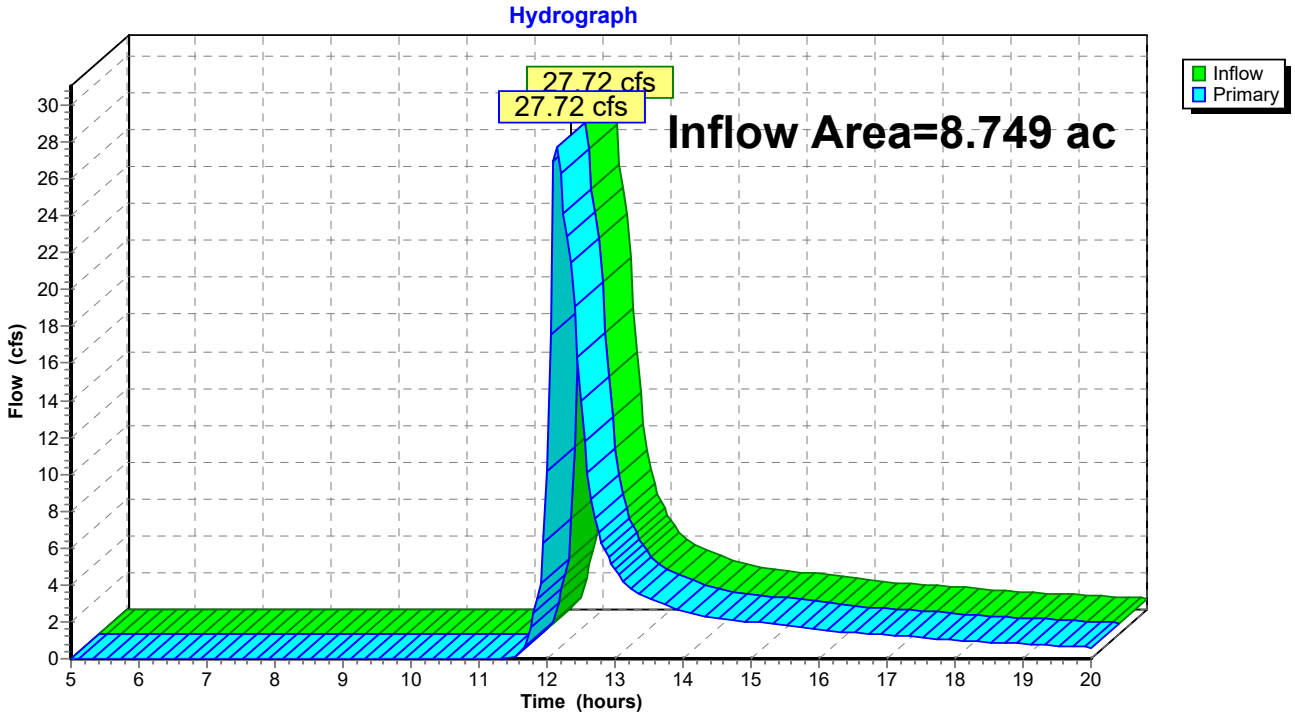
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
56.00	2,718	0
56.05	2,762	137
56.10	2,806	276
56.15	2,849	418
56.20	2,893	561
56.25	2,937	707
56.30	2,981	855
56.35	3,025	1,005
56.40	3,068	1,157
56.45	3,112	1,312
56.50	3,156	1,469
56.55	3,200	1,627
56.60	3,244	1,788
56.65	3,287	1,952
56.70	3,331	2,117
56.75	3,375	2,285
56.80	3,419	2,455
56.85	3,463	2,627
56.90	3,506	2,801
56.95	3,550	2,977
57.00	3,594	3,156
57.05	3,633	3,337
57.10	3,672	3,519
57.15	3,711	3,704
57.20	3,749	3,890
57.25	3,788	4,079
57.30	3,827	4,269
57.35	3,866	4,461
57.40	3,905	4,656
57.45	3,944	4,852
57.50	3,983	5,050
57.55	4,021	5,250
57.60	4,060	5,452
57.65	4,099	5,656
57.70	4,138	5,862
57.75	4,177	6,070
57.80	4,216	6,280
57.85	4,254	6,492
57.90	4,293	6,705
57.95	4,332	6,921
58.00	4,371	7,139
58.05	4,414	7,358
58.10	4,456	7,580
58.15	4,499	7,804
58.20	4,541	8,030
58.25	4,584	8,258
58.30	4,627	8,488
58.35	4,669	8,721
58.40	4,712	8,955
58.45	4,754	9,192
58.50	4,797	9,431
58.55	4,840	9,671
58.60	4,882	9,914
58.65	4,925	10,160
58.70	4,967	10,407
58.75	5,010	10,656
58.80	5,053	10,908
58.85	5,095	11,162
58.90	5,138	11,417
58.95	5,180	11,675
59.00	5,223	11,936
59.05	5,270	12,198
59.10	5,317	12,462
59.15	5,363	12,729
59.20	5,410	12,999
59.25	5,457	13,271
59.30	5,504	13,545
59.35	5,551	13,821
59.40	5,597	14,100
59.45	5,644	14,381
59.50	5,691	14,664
59.55	5,738	14,950
59.60	5,785	15,238
59.65	5,831	15,528
59.70	5,878	15,821
59.75	5,925	16,116
59.80	5,972	16,413
59.85	6,019	16,713
59.90	6,065	17,015
59.95	6,112	17,320
60.00	**6,159**	**17,627**

Summary for Link 59L: DP 1

Inflow Area = 8.749 ac, 31.63% Impervious, Inflow Depth > 3.10" for 100-Year event
Inflow = 27.72 cfs @ 12.14 hrs, Volume= 2.261 af
Primary = 27.72 cfs @ 12.14 hrs, Volume= 2.261 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 59L: DP 1

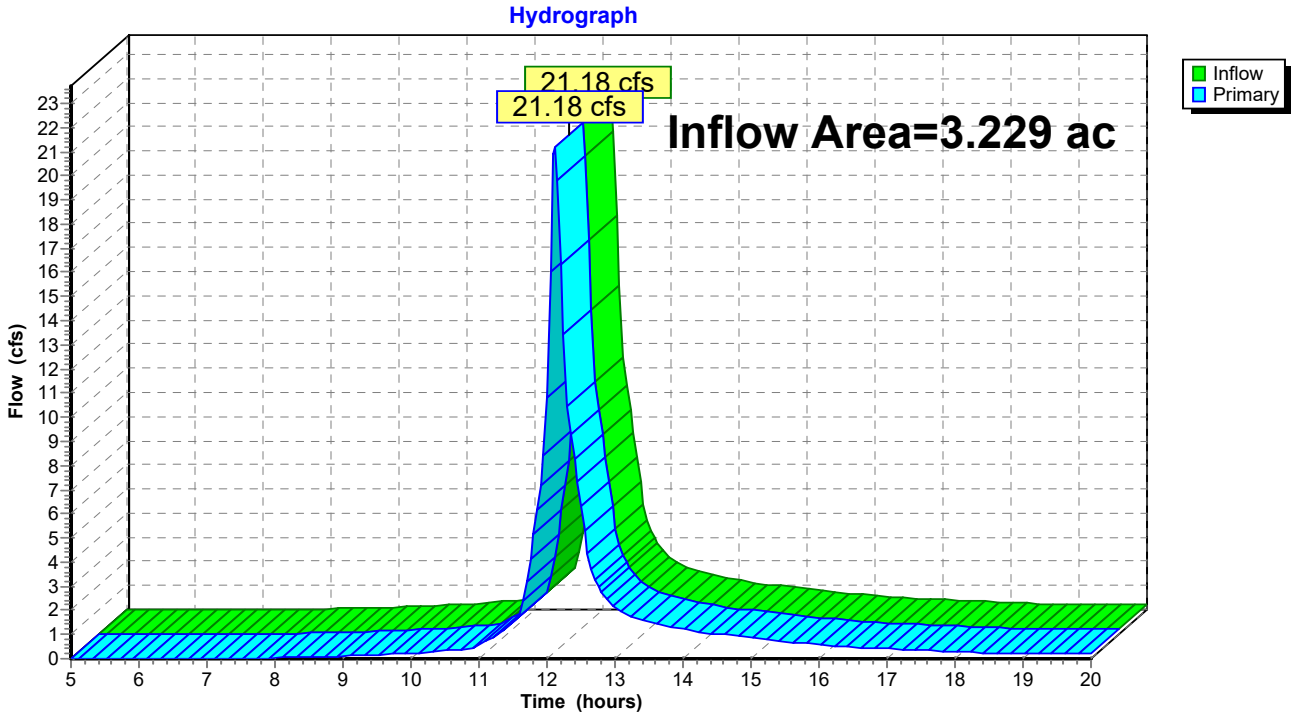


Summary for Link 60L: DP 2

Inflow Area = 3.229 ac, 32.60% Impervious, Inflow Depth > 4.97" for 100-Year event
Inflow = 21.18 cfs @ 12.12 hrs, Volume= 1.338 af
Primary = 21.18 cfs @ 12.12 hrs, Volume= 1.338 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 60L: DP 2

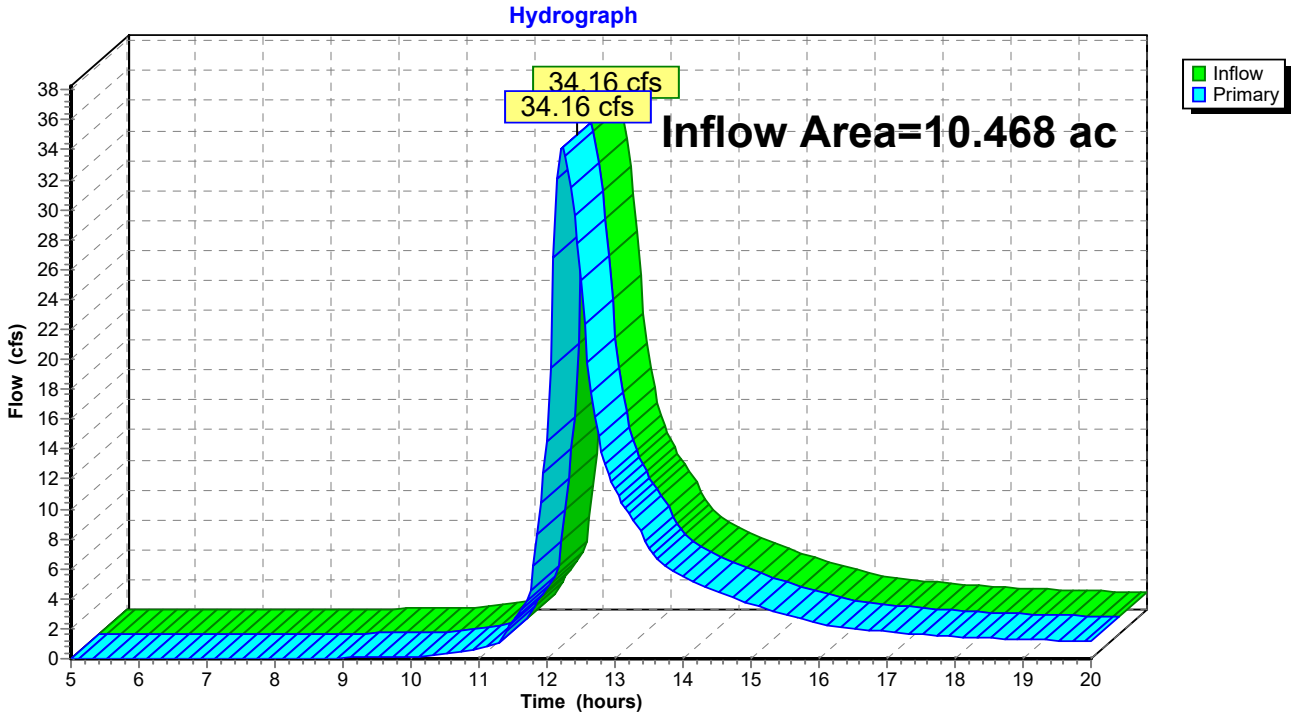


Summary for Link 188L: DP 3

Inflow Area = 10.468 ac, 46.25% Impervious, Inflow Depth > 4.57" for 100-Year event
Inflow = 34.16 cfs @ 12.23 hrs, Volume= 3.986 af
Primary = 34.16 cfs @ 12.23 hrs, Volume= 3.986 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 188L: DP 3

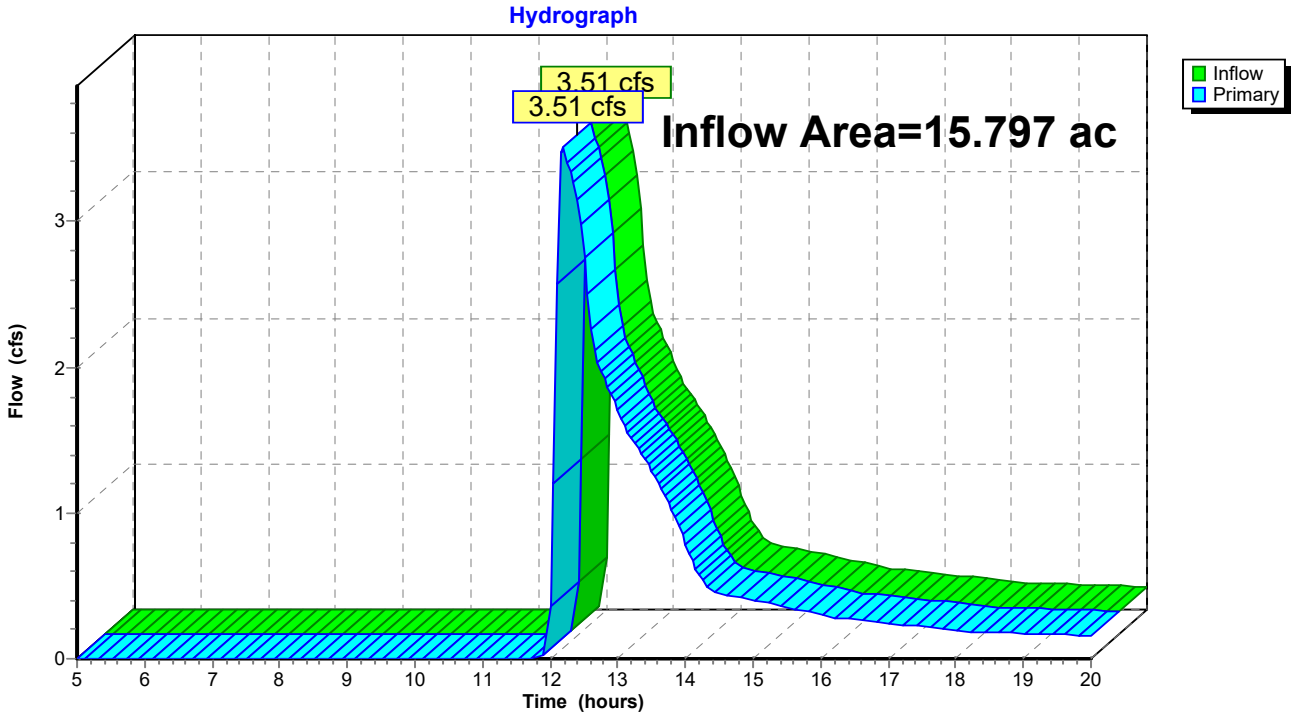


Summary for Link 203L: 3A

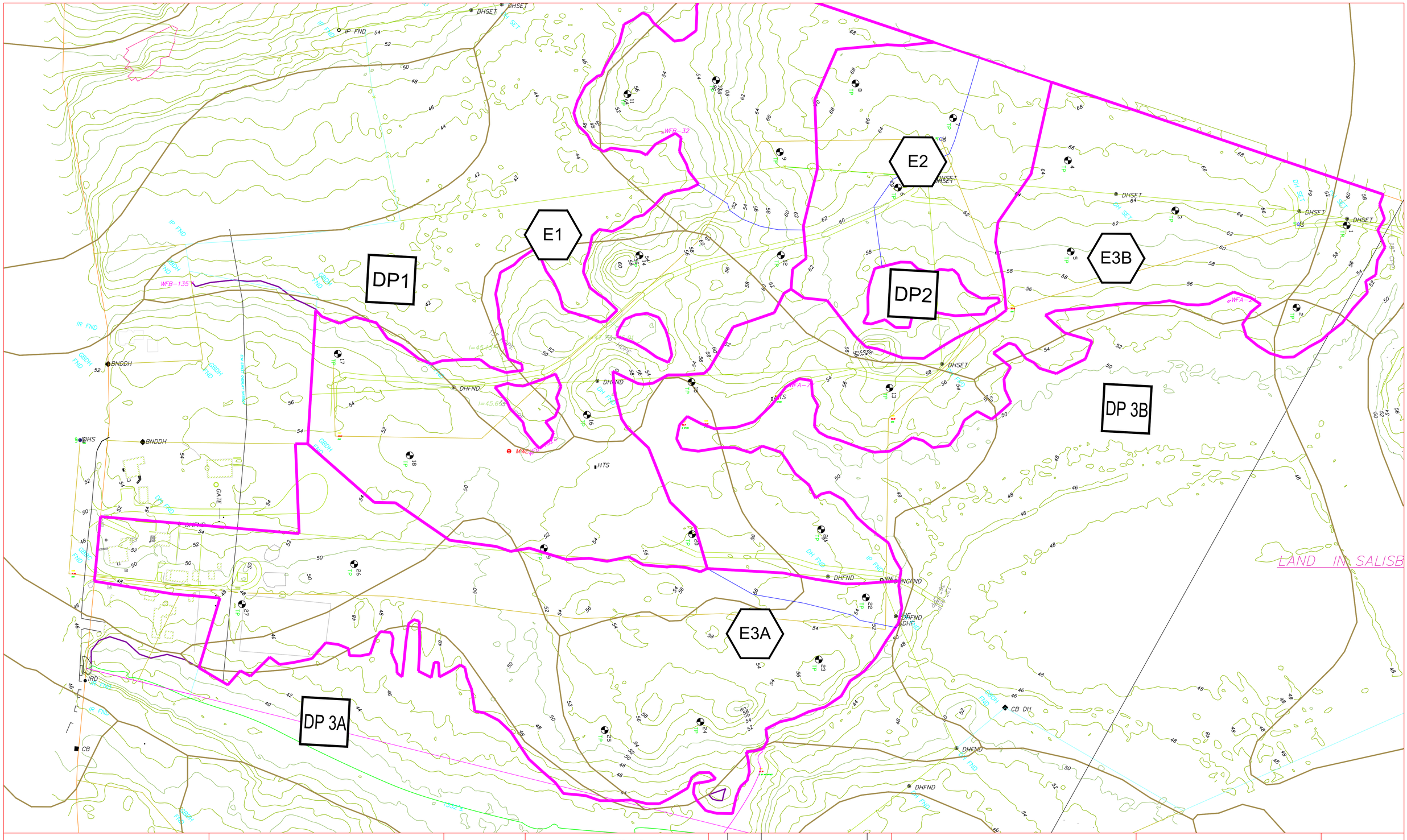
Inflow Area = 15.797 ac, 47.23% Impervious, Inflow Depth > 0.34" for 100-Year event
Inflow = 3.51 cfs @ 12.19 hrs, Volume= 0.448 af
Primary = 3.51 cfs @ 12.19 hrs, Volume= 0.448 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 203L: 3A



e. Watershed Maps



GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)

1 inch = 80'

PREPARED FOR

DALE DEVELOPMENT, LLC

360 WASHINGTON STREET

RYE, NH 03870

NO.	DATE	DESCRIPTION	BY

MEI

MILLENNIUM ENGINEERING, INC.

ENGINEERING AND LAND SURVEYING

62 ELM ST. SALISBURY, MA 01952 (978) 463-8980

13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=80' | CALC. BY: J.T.M.

DATE: AUG. 11, 2025 | CHKD. BY: E.W.B.

PROJECT: M234272

ROCKY HILL MBTA COMMUNITY

IN

AMESBURY, MA

AT

ELM STREET

PRE-DEVELOPMENT WATERSHED MAP

SHEET: 1 OF 1

ELM STREET

P3SS
P3UU
P3VV
P3WW
P3XX
P3YY
P3ZZ
P3AAA
P3BBB
P3CCC
P3DDD
P3EEE
P3FFF
P3GGG
P3HHH
P3III
P3JJJ
P3KK
P3LL
P3MM
P3NNN
P3OOO
P3PPP
P3QQQ
P3RRR
P3SSS
P3TTT
P3UUU
P3VVV
P3WWW
P3XXX
P3YYY
P3ZZZ
P1T
P1S
P3000
P300
P3FF
P3KKK
P3LLL
P3MMM

DMH 1 DMH 2 DMH 3 DMH 4 DMH 5 DMH 6 DMH 7 DMH 8 DMH 9 DMH 10 DMH 11 DMH 12 DMH 13 DMH 14 DMH 15 DMH 16 DMH 17 DMH 18 W. CDS DMH 19 DMH 20 DMH 21 DMH 22 DMH 23 DMH 24 DMH 25 DMH 26 DMH 27 DMH 28 DMH 29 DMH 30 DMH 31 DMH 32 DMH 33 W. CDS

CB 1 CB 2 CB 3 CB 4 CB 5 CB 5A W. CDS CB 6 CB 7 CB 8 CB 8A CB 9 CB 10 CB 11 CB 12 CB 13 CB 14 CB 15 CB 16 CB 17 CB 18 CB 19 CB 20 CB 21 CB 22 CB 23 CB 24 CB 25 CB 26 CB 27 CB 28 CB 29 CB 30 CB 31 CB 32 CB 33 CB 34 CB 35 CB 36 CB 37 CB 38 CB 39 CB 40 CB 41 CB 42 CB 43 CB 44 CB 45 CB 46 CB 47 CB 48

OCS 1 OCS 2 OCS 3 OCS 4 OCS 5 OCS 6 OCS 7 OCS 8

TP-1 TP-2 TP-3 TP-4 TP-5 TP-5A TP-5B TP-5C TP-5D TP-6 TP-7 TP-8 TP-9 TP-10 TP-11 TP-12 TP-13 TP-14 TP-15 TP-16 TP-17 TP-18

#1 #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 #31 #32 #33 #34 #35 #36 #37 #38 #39 #40 #41 #42 #43 #44 #45 #46 #47 #48 #49 #50 #51 #52 #53 #54 #55 #56 #57 #58 #59 #60 #61 #62 #63 #64 #65 #66 #67 #68 #69 #70 #71 #75 #76 #78 #79 #80 #81 #82 #83 #84

BLDG. 1 BLDG. 2 COMMUNITY BLDG. PARK

25-FT BVW BUFFER 50-FT BVW BUFFER 100-FT BVW BUFFER 25' BUFFER EDGE OF BVW 100-FT RIVERFRONT AREA RIVERFRONT AREA

THE COMMONS VILLAGE GREEN TRAIL (TYP.) GRAVEL DRIVE GRAVEL DRIVE

R=485 R=94 R=925 R=400 R=200

4+00 5+00 6+00 7+00 8+00 9+00 10+00

OHW MHO SWR

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40'

PREPARED FOR

DALE DEVELOPMENT, LLC
360 WASHINGTON STREET
RYE, NH 03870

NO.	DATE	DESCRIPTION	BY
1	12/8/25	SITE LAYOUT MODIFICATIONS	J.T.M.

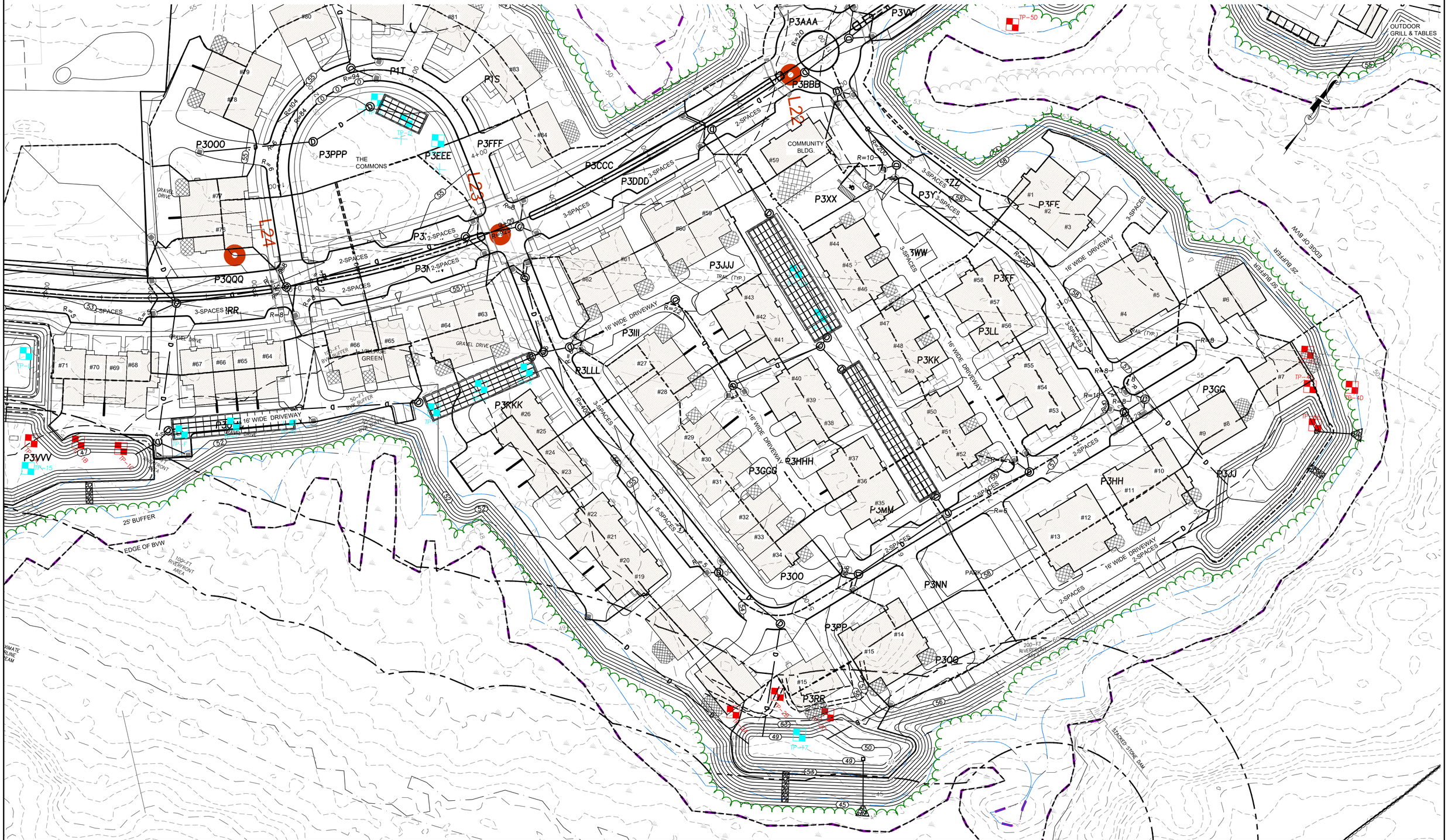
MEI
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=40' | CALC. BY: J.T.M.
DATE: AUG. 11, 2025 | CHKD. BY: S.B.S.
PROJECT: M244407

ROCKY HILL MBTA COMMUNITY
IN
AMESBURY, MA
AT
ELM STREET

POST - DEVELOPMENT WATERSHED MAP

SHEET: 1 OF 4



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40'

PREPARED FOR

DALE DEVELOPMENT, LLC
360 WASHINGTON STREET
RYE, NH 03870

NO.	DATE	DESCRIPTION	BY
1	12/8/25	SITE LAYOUT MODIFICATIONS	J.T.M.

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ROCKY HILL MBTA COMMUNITY
IN
AMESBURY, MA
AT
ELM STREET

POST - DEVELOPMENT WATERSHED MAP

SHEET: 2 OF 4



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40'

PREPARED FOR

DALE DEVELOPMENT, LLC
360 WASHINGTON STREET
RYE, NH 03870

NO.	DATE	DESCRIPTION	BY
1	12/8/25	SITE LAYOUT MODIFICATIONS	J.T.M.

MEI

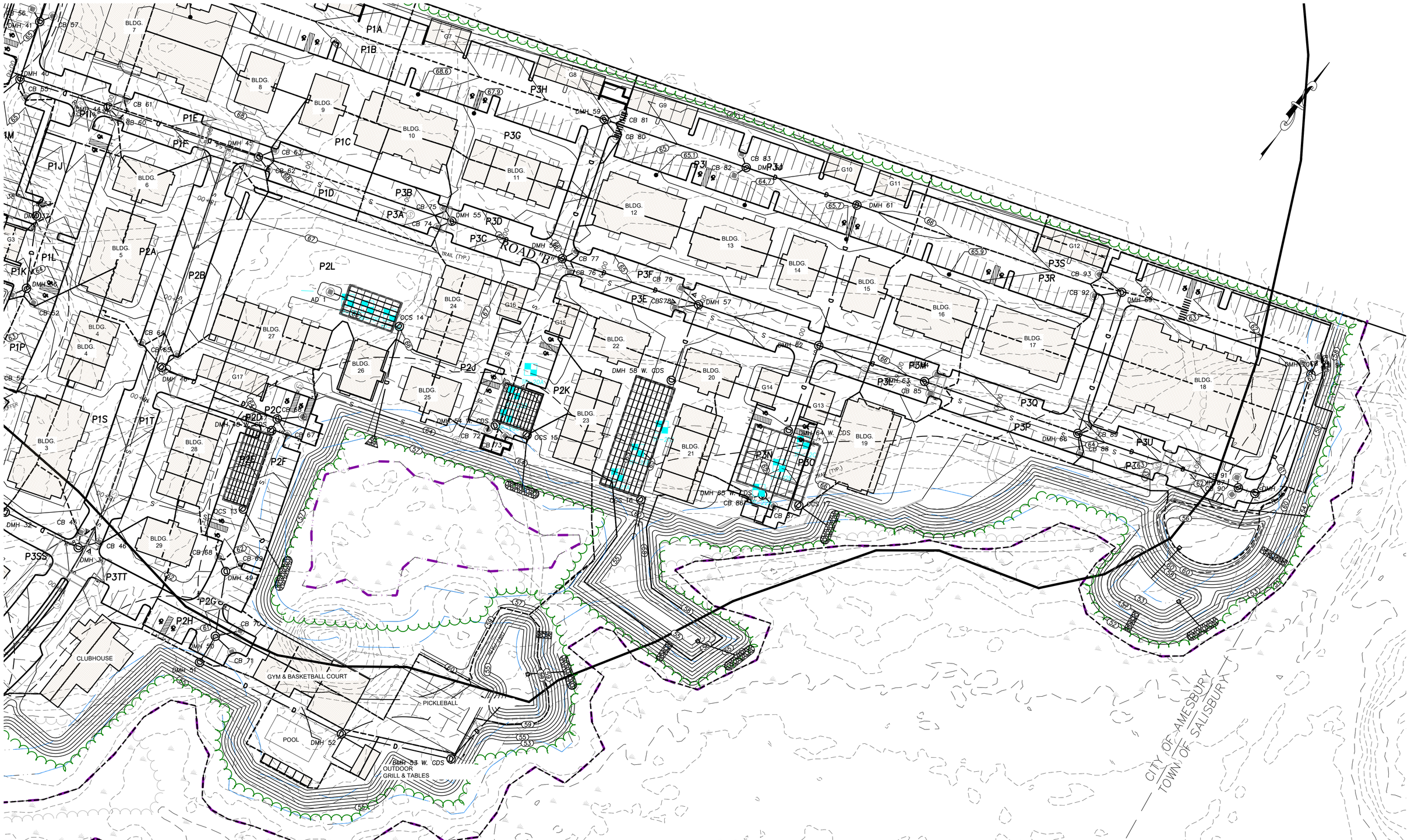
MILLENNIUM ENGINEERING, INC.
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DATE: AUG. 11, 2025 | CHKD. BY: S.B.S.
PROJECT: M244407

ROCKY HILL MBTA COMMUNITY
IN
AMESBURY, MA
AT
ELM STREET

POST - DEVELOPMENT WATERSHED MAP

SHEET: 3 OF 4



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40'

PREPARED FOR

DALE DEVELOPMENT, LLC
360 WASHINGTON STREET
RYE, NH 03870

NO.	DATE	DESCRIPTION	BY
1	12/8/25	SITE LAYOUT MODIFICATIONS	J.T.M.

MEI MILLENNIUM ENGINEERING, INC.
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SCALE: 1"=40' | CALC. BY: J.T.M.
DATE: AUG. 11, 2025 | CHKD. BY: S.B.S.
PROJECT: M244407

ROCKY HILL MBTA COMMUNITY
IN
AMESBURY, MA
AT
ELM STREET

POST - DEVELOPMENT WATERSHED MAP

SHEET: 4 OF 4