DRAFT

Appendix A \

Draft Stormwater Report

BLUE RILL ESTATES

Senior Housing Development

DRAFT STORMWATER REPORT

August, 2024
Revised: December, 2024
MJ Project #1587.01

PREPARED FOR:

Blue Rill Estates LLC
ROCKLAND COUNTY,
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Unauthorized alteration to this document is a violation of Section 7209 Subdivision 2 of the New York State Education Law.

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1.0 EXECUTIVE SUMMARY

1.1 STORM WATER NARRATIVE

This Stormwater Management Report (SMR) has been prepared for the proposed Blue Rill Estates Senior Housing, located in the Village of Airmont, Rockland County, New York.

This SMR has been developed in accordance with the Village of Airmont's stormwater requirements and the "New York State Department of Environmental Conservation (NYSDEC) State Pollution Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity" General Permit Number GP-0-20-001, effective January 29, 2020 through January 28, 2025. The SMR and accompanying plans identify and briefly discuss stormwater management (SWM) and pollution prevention measures necessary during and following completion of construction.

This site is located within the Village of Airmont; and is identified as a Municipal Separate Storm Sewer System (MS4). Any stormwater related project located within an MS4 will need to be reviewed and approved by the MS4.

This report and accompanying appendices identify and detail storm water management (SWM), pollution prevention, and erosion and sediment control measures necessary during and following completion of construction.

This report considers the impacts associated with the project for:

1. Maintaining existing drainage patterns to the maximum extent practicable, while continuing the conveyance of upland watershed runoff;
2. Controlling increases in the rate of storm water runoff resulting from the proposed development so as not to adversely alter downstream conditions; and
3. Mitigating potential storm water quality impacts and preventing soil erosion and sedimentation resulting from storm water runoff generated during construction.

These objectives will be achieved by designing and implementing Best Management Practices (BMP's) to control potential pollutants in the runoff from the project site during and after construction.

1.2 PROJECT DESCRIPTION

The project site is currently occupied by the former Blue Rill Day Camp. It is located on the west side of Saddle River Road, approximately 78 feet south of Long Meadow Drive. There are existing structures and features that served the day camp use on the site. The project scope includes the removal of the existing structures on the site and construction of senior housing project. The applicant proposes a series of 105 semi-attached two-story homes. The site will be severed by two entrances on Saddle River Road. The development will also consist of two community centers as well as active and passive recreation area to be used by the residents. The development will also consist of off-street parking, sidewalk, landscaping, site lighting, etc., normally associated with a development such as this.

This SMR provides discussions, plans, and calculations for the water quality and quantity control measures for the project site. Runoff from the project site is anticipated to be collected, treated, stored, and conveyed in accordance with the Village of Airmont's and NYSDEC's regulations to the maximum extent practicable. The total site runoff will be addressed by either infiltration into the ground or discharged via overland flows mimicking the existing conditions. Runoff from the site is discharged into the Saddle River that runs through the western portion of the site and flows in a southerly direction. The development of the site will increase the rate of runoff for various storm events. With the implementation of various stormwater management practice, overland stormwater discharges that will occur will at a rate less than or equal to pre-development conditions.

1.3 STORM WATER POLLUTION CONTROLS

The proposed measures outlined in this plan have been designed to provide quality control by treating runoff prior to being discharge off site. These measures have been designed and evaluated in accordance with the following standards and guidelines:

- New York State Storm Water Management Design Manual (NYSSMDM) (January 2015);
- New York State Standards and Specifications for Erosion and Sediment Control (Blue Book) (November 2016); and,
- New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) General Permit Number GP-0-20-001, effective January 29, 2020 to January 28, 2025.

The project has been designed utilizing the criteria outlined in Chapters 4, 6, and 9 of the New York State Storm Water Management Design Manual (NYSSMDM). Storm water pollution controls planned include one (1) pocket pond, two (2) underground infiltration basins and (2) hydrodynamic separators.

The storm water pollution controls described above will treat 100% of the water quality volume (WQv) for new development areas (new impervious) and a minimum of 25% of the WQv for the redevelopment impervious areas. The practices will also act as primary quantity control for the project.

Pre- and post-development surface runoff rates have been evaluated for the 1, 10, and 100-year 24-hour storm event. Comparison of pre- and post-development watershed conditions demonstrates that the peak rate of runoff from the entire site will not increase when compared to the pre-development condition for all storm scenarios. Therefore, the project will not have an adverse impact on the adjacent and downstream properties or receiving water courses (refer to Table 3-6). Further discussions of the pre-development and post-development conditions are provided in Section 6 of this document.

The post-construction storm water management practice(s) will be owned by Blue Rill Estates. Policies and procedures will be put in place to ensure operation and maintenance of the practice(s) in accordance the NYSSWDM and associated regulations.

1.4 CONCLUSION

This SMR has been prepared in conformance with the current Village of Airmont's stormwater requirements, the NYSSMDM and General Permit GP-0-20-001.

It is our opinion that the proposed development will not adversely impact adjacent or downstream properties if the stormwater management facilities are properly constructed and maintained in accordance with the requirements outlined herein.

2.0 SITE CHARACTERISTICS

2.1 LAND USE AND TOPOGRAPHY

The overall project area consists of three (3) individual parcels with a total area of approximately 17.99 acres. The project site is occupied by the Blue Rill Day camp and is composed of existing buildings, asphalt walkways, play areas and maintained landscaped areas.

Generally, the site's topography slopes downward from Saddle River Road to the west, toward the Saddle River. There is a small pond (apparently man-made) near the southwest corner of the Parcel. The surrounding area is generally developed with single family dwellings in the adjacent R-35 and RR-50 zoning districts to the north, east, and west.

2.2 SOILS AND GROUNDWATER

Review of the National Resources Conservation Service (NRCS) Soil Survey Data indicates the project area is predominately comprised of Bath-Nassau Complex, which classified as a hydrological soil group C. The soil survey for the project area is included in Appendix B. The Soil Conservation Service defines the HSGs as follows:

- Type A Soils: Soils having a high infiltration rate and low runoff potential when thoroughly wet. These soils consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a moderate rate of water transmission.

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

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

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

- Type B/D and C/D Soils: Soils assigned to a dual hydrologic soil group have soil characteristics that are represented by both classes. The first letter represents what the soils act like when they are drained and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Limited soil testing was conducted on the site in accordance with Appendix D of the NYSSMDM. The feasibility level testing included percolation tests in the general facility of the proposed stormwater management practices. The percolation test ranged from 3-inches per hour to 7 inches per hour. This testing indicated that the in-situ soils are suitable for the practices selected. Additional soil testing would be required as part of the detailed plan submission and would include falling head permeability tests and deep hole test pits within the confines of the appropriate stormwater practice(s) at the frequency required of the NYSSMDM.

2.3 WATERSHED DESIGNATION

The project site is not located in a restricted watershed identified in Appendix C of GP-0-20-001.

2.4 RECEIVING WATER BODIES

Storm water from the project site ultimately discharges into the Saddle Brook River to the west. The Saddle River is classified as a Class B River by NYSDEC. Class B Rivers area defined by NYSDEC as streams with "best usage for fishing". Due to being mapped as a Class B stream it is under the jurisdiction of the USACE and NYSDEC. No work is being proposed within the stream bed as part of this application. Mapping of the project site and receiving water bodies is included in Appendix C.

2.5 AQUIFERS

Mapping obtained from NYSDEC and USGS indicates that the project site is located within a Ridgewood SSA Primary Aquifer. Aquifer mapping for the project area is included in Appendix C.

2.6 WETLANDS

2.6.1 Tidal Wetlands

Tidal Wetlands are not located within or adjacent to the project area.

2.6.2 State Jurisdictional Wetlands (Article 24)

Hunt Engineers, Architects, Land Surveyor & Landscape Architect performed a wetland investigation to review freshwater wetlands within or adjacent to the project area. The ERM indicated that State Regulated Freshwater Wetlands or buffer zones are not located within the project area. A copy of this report is included in Appendix C.

2.6.3 Federal Jurisdictional Wetlands (Article 404)

Hunt Engineers, Architects, Land Surveyor & Landscape Architect performed a wetland investigation of the federal wetlands within or adjacent to the project site. A Federal jurisdictional wetland that covers approximately 0.15 acre at the northwest portion of the project site. No work in being proposed as part of this application. A copy of this mapping is included in Appendix C.

2.7 FLOOD PLAINS

A review of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Panel 36087C0154G, dated September 25, 2009 show the portions of the western side of the project site is located in a 100 year floodplain. The flood zone mapping is included in Appendix C.

2.8 LISTED, ENDANGERED, OR THREATENED SPECIES

2.8.1 State Listing

According to the NYSDEC online Environmental Resource Mapper, the potential does not exist for rare plants or animals to be present within the proposed project area. The New York Natural Heritage Program (NYNHP) has no records of rare or state-listed animals or plants, or significant natural communities on or adjacent to the project site.

2.8.2 Federal Listing

The United States Department of the Interior Fish and Wildlife Service (USFWS) online IPaC system was used to determine the possible presence of threatened and endangered species and habitat areas. The USFWS website indicated that there are no threatened or endangered species located near the project site. The USFWS website indicated that there are no known critical habitats within this project area.

2.9 CULTURAL AND HISTORICAL RESOURCES

The Cultural Resource Information System (CRIS) through the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) indicates the project site does not contain structures listed on the State or National Register of Historic Places. According to the NYSOPRHP CRIS website, the project area is not within archeologically sensitive areas. The GIS database output mapping is included in Appendix C.

2.10 RAINFALL DATA

Rainfall data utilized in the modeling and analysis meet the NYSDEC rainfall standards for various 24-hour storm events, is presented in Table 2.1:

Table 2.1
RAINFALL QUANTITY

Storm Event	24-Hour Rainfall (inches)
90% Rainfall	1.50
1-year	2.76
10-year	5.01
25-year	6.28
100-year	8.86

These values were used to evaluate the pre- and post-development stormwater runoff characteristics and are consistent with the precipitation estimates obtained from the figures contained in Chapter 4 of the NYSSMDM.

3.0 POST CONSTRUCTION STORMWATER CONTROLS

The goals of this Stormwater Management Plan are to analyze the peak rate of runoff under pre- and post-development conditions, to maintain the pre-development rate of runoff in order to minimize impacts to adjacent or downstream properties, and to minimize the impact to the quality of runoff exiting the site.

The work of this project will require a Full SWPPP since the project will disturb more one acre. The NYSSMDM provides both water quality and water quantity objectives to be met by projects requiring a "Full SWPPP". These objectives will be met by applying stormwater control practices to limit peak runoff rates and improve the quality of runoff leaving the developed site. The subsequent sections discuss the basis of design and regulatory requirements for the permanent stormwater features associated with the proposed residential retirement community and medical office to be constructed.

For construction projects that include both new development and redevelopment activities, the SMP's for the new development must be designed in accordance with Chapters 4, 5, and 6 of the NYSSMDM. As previously mentioned in this report, this project contains both re-development and new construction activities.

3.1 STORMWATER MANAGEMENT PLANNING

The NYSSMDM includes a five-step process that involves site planning and stormwater management practice selection. The five (5) steps include;

- Site planning to preserve natural features and reduce impervious cover,
- Calculation of the Water Quality Volume (WQv) for the project area,
- Incorporation of runoff reduction techniques and Standard SMPs with Runoff Reduction Volume (RRv) capacity,
- Use of Standard SMPs and Alternative Treatment Devices where applicable, to treat the portion of WQv not addressed by runoff reduction techniques and Standard SMPs with RRv capacity, and
- Design of volume and peak rate control (where required).

The stormwater management plan addresses the stormwater requirements separately. The five (5) steps were reduced to Site Planning to Preserve Natural Features, Water Quality Volume, Runoff Reduction Volume, Channel Protection Volume, and Overbank Flood and Extreme Storm Attenuation, as discussed in the following sections.

Section 4.3 of the NYSSMDM states, "Runoff reduction shall be achieved by infiltration, groundwater recharge, reuse, recycle, evaporation/evapotranspiration of 100 percent of the post-development water quality volume to replicate pre-development hydrology by maintaining pre-construction infiltration, peak runoff flow, discharge volume, as well as minimizing concentrated flow by using runoff control techniques to provide treatment in a distributed manner before runoff reaches the collection system."

The stormwater management plan must demonstrate that all green infrastructure planning and design options were evaluated to meet the runoff reduction requirement. The acceptable runoff reduction techniques are listed below with discussions as to which practices may or may not be included in the project's final design (due to technical constraints):

Conservation of Natural Areas: The project will include both active and passive open space. However credit is not being claimed for this practice.

Roadway Reduction: Parking lot and paved site drive reduction is being used for this project. The internal roads are designed to meet the use needs and those of emergency services. Additional parking is based upon the minimum standards of the Village.

Sheet flow to Riparian Buffers/Filter Strips: There's not enough space to implement these devices while meeting the design standards for acceptable grades, etc.

Vegetated Open Swales: This practice is not being utilized since adequate quality controls are being provided by other measures.

Tree Planting/Tree Box (RR-3): Tree planting was considered and may be implemented in the final design of the site but no credit has been claimed at this stage of the design.

Disconnection of Rooftop Runoff: This practice cannot be used as part of this project.

Stream Daylighting: This practice is not proposed for this project since there are no mapped streams included within the project limits that require daylighting.

Rain Garden: This practice will not be utilized since it is suggested to not treat runoff from parking lots and roads with this type of device.

Green Roof: This practice will not be utilized due to the costs associated with incorporating this design and other design constraints such as HVAC locations, etc.

Stormwater Planters: This practice will not be utilized since there is not enough space within the sidewalks and pathways associated with this project to place these measures without adversely affecting accessibility routes.

Rain Tanks/Cisterns: This practice will not be utilized as no opportunity exists to reasonably use the stored water.

Porous Pavement: This practice is not being utilized since adequate quality controls are being provided by other measures.

New development projects that cannot achieve 100% runoff reduction of the required Water Quality Volume, must at a minimum, reduce a percentage of the runoff from impervious areas to be constructed within the project area. The percent reduction is based on the HSG of the site, and is determined by the Specific Reduction Factor (S). Table 3.1 lists the specific reduction factors for each HSG soil type:

Table 3.1
RRv Reduction by Soil Type

HSG Soil Type	Specific Reduction Factor (S)
A	0.55
B	0.40
C	0.30

D	0.20

3.2 STORMWATER CONTROL PRACTICE SELECTION

Stormwater runoff from the project will be collected and conveyed to the quantity and quality control system(s) described herein through open and closed drainage systems.

The stormwater quantity and quality control systems described in the following sections have been incorporated into the stormwater management plan for this project.

Conservation of Natural Areas (RR-1):
Conservation of natural areas is being used as part of this project. As taken from the NYSDEC SMDM; "The purpose of this runoff reduction method is to retain the pre-development hydrologic and water quality characteristics of undisturbed natural areas (e.g. forest areas, stream and wetland buffers) by permanently conserving these areas on a site."

Wet Pond (P-5):
A pocket pond is a stormwater basin constructed of a permanent pool of water having a storage volume equal to the water quality volume. Stormwater runoff displaces the water already present in the pool. Temporary storage can be provided above the permanent pool elevation for larger flows.

Infiltration Basin (I-5):
Underground Infiltration Systems are similar to other Infiltration devices, except that they are designed to be below-ground. They are designed to collect and temporarily store stormwater runoff until it can infiltrate into the subsurface soils. Underground Infiltration Systems provide stormwater quality improvements by filtering runoff water and quantity improvements by reducing stormwater runoff.

Hydrodynamic Separators:
Hydrodynamic Separators are a sub-surface device located in manholes or vault-like units and receive a project's stormwater runoff via a closed drainage system. These types of units create a swirling motion within the unit where solids will drop out of the stormwater and into the unit's sump. In addition, the internal device parts will screen out floatables from the runoff prior to allowing the treated runoff from exiting the unit.

Chapter 7 of the NYSSMDM was utilized for initial screening of the various stormwater management practices (SMPs) for the project. These SMP's will primarily provide water quantity control, but also can provide quality control. The screening factors include (1) land use, (2) physical feasibility, (3) watershed / regional factors, (4) stormwater management capabilities and (5) community and environmental factors.

From the initial site screening process and site investigations completed, ponds (P1 through P5), infiltration practices (I2 and I4), and filtering practices (F5) were found to be acceptable depending on the location proposed within the project site.

Through the iterative design process, the above SMPs have been narrowed down with the project utilizing a wet pond (P-2) and infiltration practices (I-4). Previously discussed green infrastructure techniques also provide quantity control, which include SMPS in the form of infiltration.

3.3 STORMWATER QUALITY ANALYSIS

Stormwater runoff from impervious surfaces is recognized as a significant contributor of pollution that can adversely affect the quality of receiving water bodies. Therefore, treatment of stormwater runoff is important since most runoff related water quality contaminants are transported from land, particularly the impervious surfaces, during the initial stages of storm events.

3.3.1 NYSDEC Requirements - Water Quality (WQv)

The NYSSMDM requires that water quality treatment be provided for the initial flush of runoff from every storm. The NYSDEC refers to the amount of runoff to be treated as the "Water Quality Volume" (WQv). Section 4.2 of the NYSSMDM defines the Water Quality Volume as follows:

$$WQv = \frac{[(P)(R_V)(A)]}{12}$$

Where: P = 90% Rainfall Event Number
Rv = 0.05 + 0.009 (I), minimum Rv = 0.2
I = Impervious Cover (Percent)
A = Contributing Area in Acres

This definition ensures that, all other things being equal, the Water Quality Volume will increase along with the impervious cover percentage. The calculated WQv for the project area is 0.652 ac-ft, which includes a combination of disturbed existing impervious surfaces and new impervious surfaces. The required runoff reduction volume (RRv) is 0.140 ac-ft.

3.3.2 NYSDEC Requirements - Runoff Reduction Volume (RRv)

The project's initial WQv for the developed area was calculated to equal 0.652 ac-ft and its min required RRv was 0.140 ac-ft. The project proposes to utilize a variety of devices to achieve a total of 0.27 ac-ft of RRv treatment and an additional 0.65 ac-ft of WQv treatment; providing a total treatment volume of 0.85 ac-ft. WQv and RRv calculations are provided in Appendix D.

Refer to Table 3.2 below for a summary of the required versus provided WQv and RRv for the project.

Table 3.2
Water Quality Volume (WQv) and Runoff Reduction Volume (RRv) Summary of New Development Area

Green Infrastructure Practice / Standard Stormwater Practice	Required		Provided	
	RRv (ac-ft)	WQv (ac-ft)	RRv (ac-ft)	WQv (ac-ft)
Initial WQv	-	0.65		
Minimum RRv	0.140	-		
Conservation of Natural Areas (RR-1)			0.12	X
Underground Infiltration System (I-5)			0.14	XP
Pocket Pond (P-5)				0.45
Hydrodynamic Unit				0.20
SUB-TOTAL	**0.140**	**0.65**	**0.27**	**0.65**
TOTAL	**0.140**	**0.65**	**0.27**	**0.65**

3.4 STORMWATER QUANTITY ANALYSIS

This report presents the pre-development and post-development features and conditions associated with the rate of surface water runoff within the study area. For both cases, the drainage patterns, drainage structures, soil types, and ground cover types are considered in this study.

3.4.1 NYSDEC Requirements

The NYSSMDM requires that projects meet three separate stormwater quantity criteria:

1. The Channel Protection (CPv) requirement is designed to protect stream channels from erosion. This is accomplished by providing 24 hours of extended detention for the 1-year, 24-hour storm event. The NYSSMDM defines the CPv detention time as the center of mass detention time through each stormwater management practice.

2. The Overbank Flood Control (Qp) requirement is designed to prevent an increase in the frequency and magnitude of flow events that exceed the bank-full capacity of a channel, and therefore must spill over into the floodplain. This is accomplished by providing detention storage to ensure that, at each design point, the post-development 10-year 24-hour peak discharge rate does not exceed the corresponding pre-development rate.

3. The Extreme Flood Control (Qf) requirement is designed to prevent the increased risk of flood damage from large storm events, to maintain the boundaries of the pre-development 100-year floodplain, and to protect the physical integrity of stormwater management practices. This is accomplished by providing detention storage to ensure that, at each design point, the post-development 100-year 24-hour peak discharge rate does not exceed the corresponding pre-development rate.

3.4.2 Methodology

In order to demonstrate that detention storage requirements are being met, the NYSDEC SMDM requires that a hydrologic and hydraulic analysis of the pre- and post-development conditions be performed using the Natural Resources Conservation Service Technical Release 20 (TR-20) and Technical Release 55 (TR-55) methodologies. HydroCAD, developed by HydroCAD Software Solutions LLC of Tamworth, New Hampshire, is a Computer-Aided-Design (CAD) program for analyzing the hydrologic and hydraulic characteristics of a given watershed and associated stormwater management facilities. HydroCAD uses the TR-20 algorithms and TR-55 methods to create and route runoff hydrographs.

HydroCAD has the capability of computing hydrographs (which represent discharge rates characteristic of specified watershed conditions, precipitation, and geologic factors) combining hydrographs and routing flows though pipes, streams and ponds. HydroCAD can also calculate the center of mass detention time for various hydraulic features. Documentation for HydroCAD can be found on their website: http://www.hydrocad.net/.

For this analysis, the watershed and drainage system was broken down into a network consisting of four types of components as described below:

1. Subcatchment: A relatively homogeneous area of land, which produces a volume and rate of runoff unique to that area.

2. Reach: Uniform streams, channels, or pipes that convey stormwater from one point to another.

3. Pond: Natural or man-made impoundment, which temporarily stores stormwater runoff and empties in a manner determined by its geometry and the hydraulic structure located at its outlets.

4. Link: A multi-purpose mechanism used to introduce a hydrograph from another file.

Subcatchments, reaches, ponds, and links are represented by hexagons, squares, triangles, and broken boxes respectively, on the watershed routing diagrams provided with the computations included for pre-development and post development conditions in Appendix C and Appendix D, respectively.

The analysis of hydrologic and hydraulic conditions and proposed stormwater management facilities servicing the study area, was performed by dividing the tributary watershed into relatively homogeneous subcatchments. The separation of the watershed into subcatchments was dictated by watershed conditions, methods of collection, conveyance, and points of discharge. Watershed characteristics for each subcatchment were then assessed from United States Geological Service (USGS) 7.5-minute topographic maps, aerial photographs, a topographical survey, soil surveys, site investigations, and land use maps.

Proposed stormwater management facilities were designed and evaluated in accordance with the NYS Stormwater Management Design Manual and local regulatory requirements. The hydrologic and hydraulic analysis considered the SCS, Type III 24-hour storm events identified in Table 3.4.

Table 3.4
Design Storm Events

Facility	24-Hour Storm Event
Storm Sewer	10-year
	25-year
Stormwater Management Practices	1-year
	10-year
	100-year
Flood Conditions	100-year

3.4.3 Existing Conditions Watershed and Design Points

The project area consists of approximately 17-acres, of which approximately 4.5-acres are impervious coverage. The existing site consists primarily of buildings, paved parking lots and drives, landscaped areas, grassed areas, playing fields and wooded areas. The topography of the site and the direction in which runoff leaves the site is generally in a westerly direction towards the Saddle River.

The results of the computer modeling used to analyze the overall watershed under pre-development conditions are presented in Appendix E. A summary of the pre-development watershed runoff rates at the various design points is presented in Table 3.5.

A description of the selected design points are provided below.

Design Point 1:
This design point is at the southwestern portion of the site, prior to runoff exiting the project site and into the Saddle River.

The Existing Conditions Watershed Delineation Map is provided in Appendix E. The results of the computer modeling used to analyze the overall watershed under the existing conditions are also presented in Appendix E. A summary of the existing conditions watershed runoff rates at the design point is presented in Table 3.5.

3.4.4 Post-development Watershed Conditions

The post-development project site is will consist of buildings, roads and driveways, manicured lawns and open space and passive and active open space. A new stormwater collection, conveyance, and treatment system will be built for the site to properly address the various state and local stormwater requirements. The analysis of post-development conditions considered the existing drainage patterns, soil types, and ground cover; as well as the planned site development, site grading, and stormwater management facilities proposed as part of the site improvements.

The contributing post-development watershed area was divided into sub-catchments. In general, the existing flow patterns were maintained, allowing for subcatchments to flow to the same design points as the existing conditions' analysis. The flows from these sub-catchment areas are conveyed through new forms of stormwater management devices. Runoff from the site is being collected and treated in underground pre-fab chamber infiltration systems (I-5), micro-a pocket ponds (P-5), and hydrodynamic separator which will treat and convey flows to the design point.

The results of the computer modeling used to analyze the overall watershed under post-development conditions are presented in Appendix F. A summary of the post-development watershed runoff rates at the design point is presented in Table 3.5.

This plan provides several methods for providing controls of off-site discharge of stormwater from the project site including green infrastructure and standard SMPs. Each has been designed to provide the above quantity controls by attenuating stormwater runoff and releasing runoff to off-site locations at a rate equal to or less than that which existed prior to development of the site. Each device is detailed on the accompanying plans.

3.4.5 Water Quantity Performance Summary

A comparison of the pre- and post-development watershed conditions was performed for all design points and storm events evaluated herein. For the total site discharge rates, this comparison demonstrates that the peak rate of runoff will not be increased for each of the storm events studied. Therefore, the project should not have a significant adverse impact on the adjacent or downstream properties or receiving water courses.

The results of the computer modeling used to analyze the post-development watersheds are presented in Appendix F. Table 3.5 summarizes the results of this analysis.

Table 3.5
Summary of Pre- and Post-Development Peak Discharge Rates

Design Point	1-year 24 Hour Event		10-year 24 Hour Event		25-year 24 Hour Event		100-year 24 Hour Event	
	Existing (cfs)	Proposed (cfs)	Existing (cfs)	Proposed (cfs)	Existing (cfs)	Proposed (cfs)	Existing (cfs)	Proposed (cfs)
DP-1	23.44	21.89	56.71	46.43	74.83	59.79	109.39	85.98

Appendix A \

Location Map

21 Corporate Drive
Clifton Park, New York 12065
(518) 371-0799

BLUE RILL ESTATES

444 SADDLE RIVER ROAD
TAX ID 62.11-2-8, 62.11-2-9 & 62.11-2-10
VILLAGE OF AIRMONT, ROCKLAND COUNTY, NY

SITE LOCATION MAP

Not to Scale

Appendix B.1 \

USDA Soils Map

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

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

Custom Soil Resource Report for Rockland County, New York

December 17, 2024

Preface

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

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

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

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

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

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

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How Soil Surveys Are Made

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

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

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

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

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

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

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

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

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

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

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

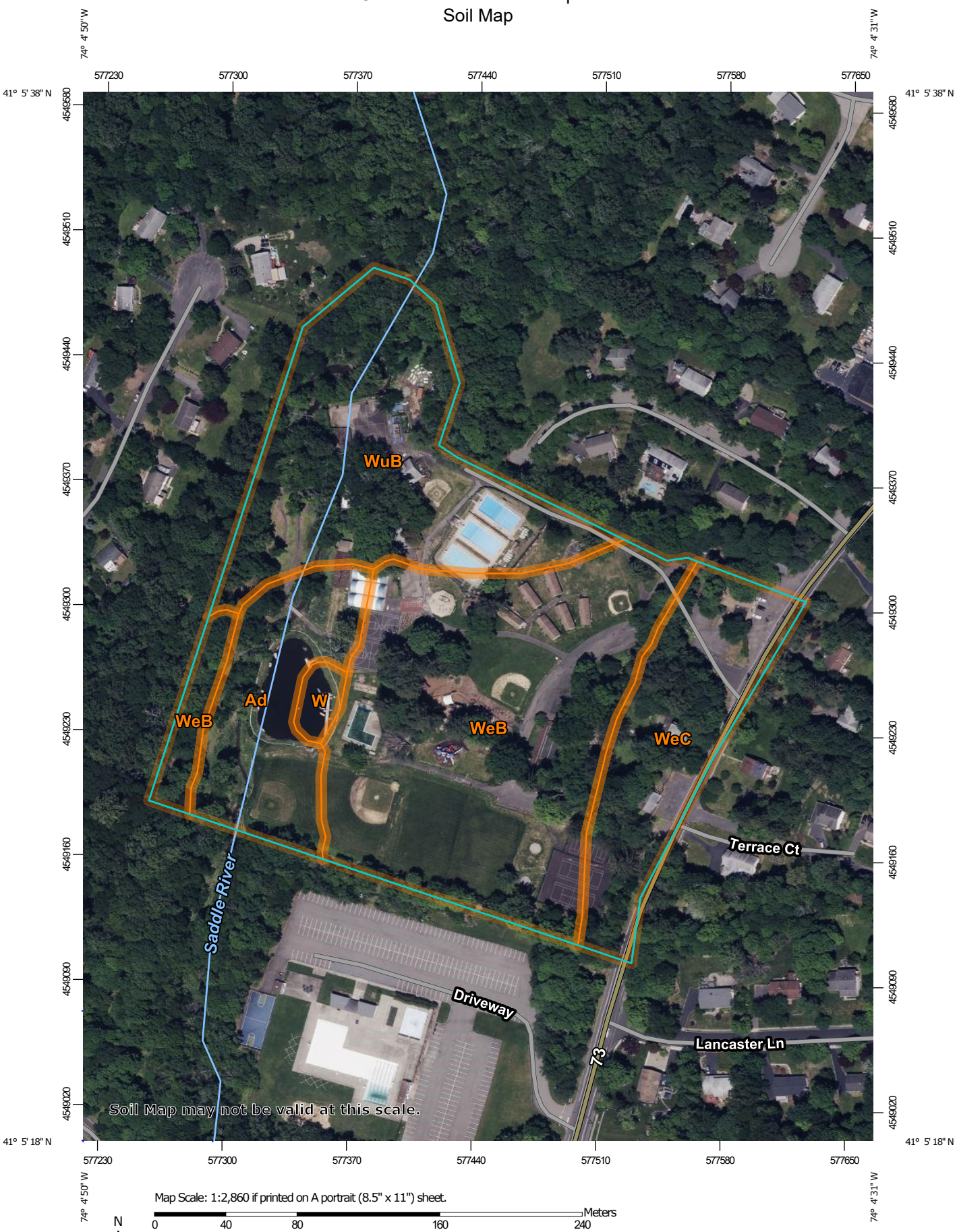
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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

Soil Map

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

Custom Soil Resource Report
Soil Map



Map Scale: 1:2,860 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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

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

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

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

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

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

Soil Survey Area: Rockland County, New York
Survey Area Data: Version 22, Aug 25, 2024

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

Date(s) aerial images were photographed: May 31, 2022—Oct 27, 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
Ad	Alden silt loam	2.4	12.8%
W	Water	0.2	1.2%
WeB	Wethersfield gravelly silt loam, 3 to 8 percent slopes	8.0	43.4%
WeC	Wethersfield gravelly silt loam, 8 to 15 percent slopes	2.9	15.7%
WuB	Wethersfield-Urban land complex, 2 to 8 percent slopes	5.0	26.8%
Totals for Area of Interest		**18.5**	**100.0%**

Map Unit Descriptions

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

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

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

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

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

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

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

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

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

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

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

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

Rockland County, New York

Ad—Alden silt loam

Map Unit Setting

National map unit symbol: 9v3r
Elevation: 300 to 1,500 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Alden and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Alden

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: A silty mantle of local deposition overlying loamy till

Typical profile

H1 - 0 to 9 inches: silt loam
H2 - 9 to 33 inches: silt loam
H3 - 33 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Calcium carbonate, maximum content: 10 percent
Available water supply, 0 to 60 inches: High (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: C/D
Ecological site: F144AY040NY - Semi-Rich Very Wet Till Depressions
Hydric soil rating: Yes

Minor Components

Alden, very stony

Percent of map unit: 5 percent
Landform: Depressions

Hydric soil rating: Yes

Adrian

Percent of map unit: 5 percent
Landform: Swamps, marshes
Hydric soil rating: Yes

Rippowam

Percent of map unit: 5 percent
Landform: Flood plains
Hydric soil rating: Yes

Sloan

Percent of map unit: 5 percent
Landform: Flood plains
Hydric soil rating: Yes

W—Water

Map Unit Setting

National map unit symbol: 9v5s
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Water: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

WeB—Wethersfield gravelly silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9v5l
Elevation: 30 to 690 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Wethersfield and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wethersfield

Setting

Landform: Hills, till plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy acid till derived mainly from reddish sandstone, shale, and conglomerate, with some basalt

Typical profile

H1 - 0 to 13 inches: gravelly silt loam
H2 - 13 to 22 inches: gravelly loam
H3 - 22 to 60 inches: gravelly fine sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 38 inches to densic material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Ecological site: F145XY012CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Minor Components

Charlton

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

Cheshire

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

Riverhead

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

Wallington

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

WeC—Wethersfield gravelly silt loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 9v5m
Elevation: 20 to 690 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Wethersfield and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wethersfield

Setting

Landform: Hills, till plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy acid till derived mainly from reddish sandstone, shale, and conglomerate, with some basalt

Typical profile

H1 - 0 to 13 inches: gravelly silt loam
H2 - 13 to 22 inches: gravelly loam
H3 - 22 to 60 inches: gravelly fine sandy loam

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 20 to 38 inches to densic material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: F145XY012CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Minor Components

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

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

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

Wallington
Percent of map unit: 3 percent
Hydric soil rating: No

Yalesville
Percent of map unit: 2 percent
Hydric soil rating: No

WuB—Wethersfield-Urban land complex, 2 to 8 percent slopes

Map Unit Setting
National map unit symbol: 9v5p
Elevation: 0 to 710 feet
Mean annual precipitation: 47 to 50 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition
Wethersfield and similar soils: 50 percent
Urban land: 25 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wethersfield

Setting
Landform: Hills, till plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy acid till derived mainly from reddish sandstone, shale, and conglomerate, with some basalt

Typical profile
H1 - 0 to 13 inches: gravelly silt loam

H2 - 13 to 22 inches: gravelly loam
H3 - 22 to 60 inches: gravelly fine sandy loam

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: 20 to 38 inches to densic material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Ecological site: F145XY012CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Description of Urban Land

Typical profile

H1 - 0 to 6 inches: variable

Interpretive groups

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

Minor Components

Charlton

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

Cheshire

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

Riverhead

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

Udorthents

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

Wallington

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

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Appendix C.1 \

Receiving Water Bodies

Source: NYSDEC Environmental Mapper Database

Engineering
Architecture
Landscape Architecture
and Land Surveying, P.C.

BLUE RILL ESTATES

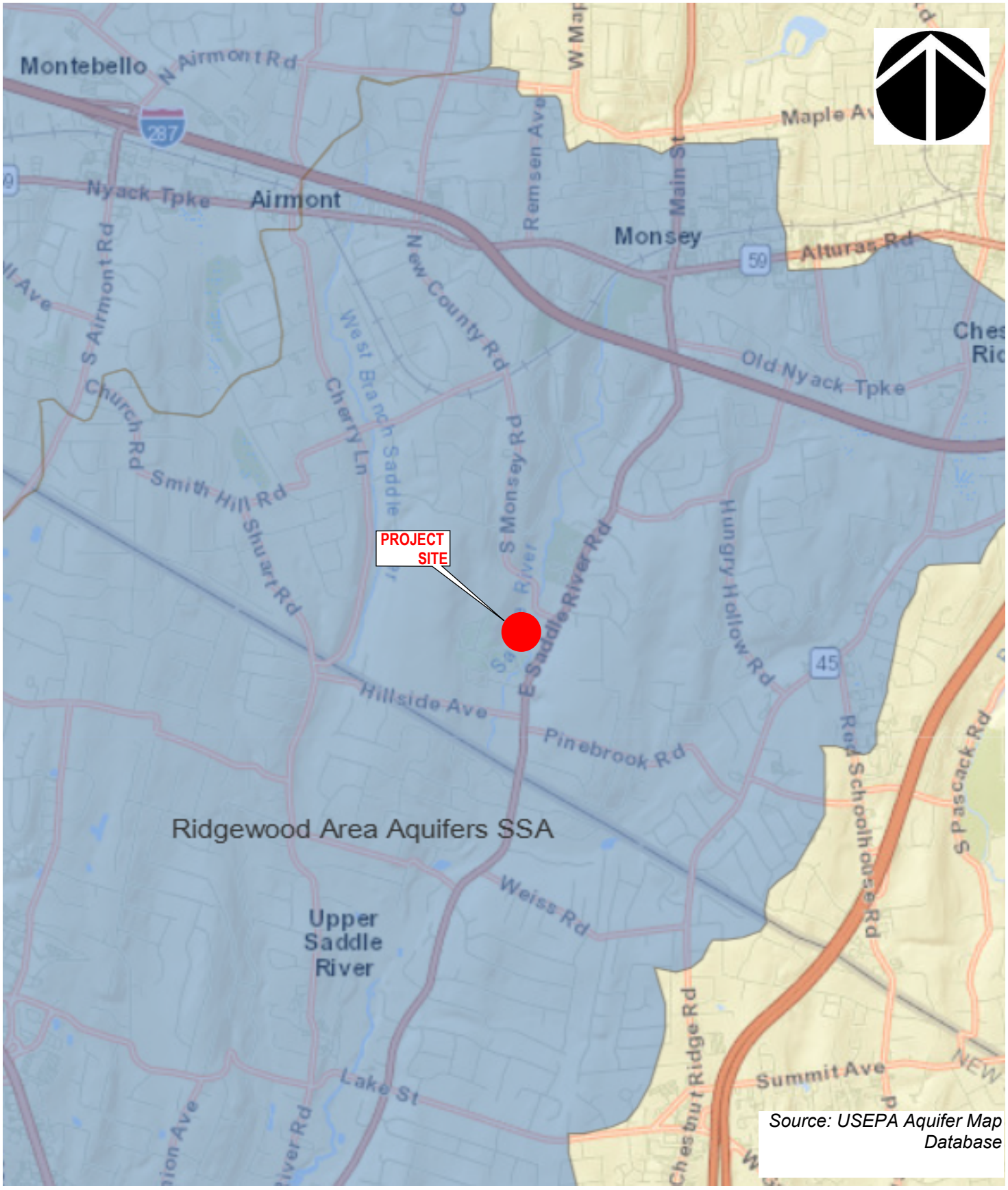
WATER BODIES

444 SADDLE RIVER ROAD
TAX ID 62.11-2-8, 62.11-2-9 & 62.11-2-10
VILLAGE OF AIRMONT, ROCKLAND COUNTY, NY

SCALE:	NTS
PROJECT NO:	1587.01
DATE:	Oct 2024

Appendix C.2 \

Aquifer Map



Source: USEPA Aquifer Map Database

Engineering
Architecture
Landscape Architecture
and Land Surveying, P.C.

BLUE RILL ESTATES

AQUIFER MAP

444 SADDLE RIVER ROAD
TAX ID 62.11-2-8, 62.11-2-9 & 62.11-2-10
VILLAGE OF AIRMONT, ROCKLAND COUNTY, NY

SCALE:	NTS
PROJECT NO:	1587.01
DATE:	Oct 2024

Appendix C.3 \

Wetland Delineation Report

June 1, 2023
Revised: February 13, 2024

Dennis Lynch, P.E.
MJ Engineering & Land Surveying, P.C.
831 Route 52, Suite 2C
Fishkill, NY 12524
(845) 240 - 2412

Re: Wetland Delineation Report
Blue Rill Day Camp – 440 Saddle River Road
Village of Airmont, Rockland County, NY

Dear Mr. Lynch,

In accordance with our Scope of Services, Hunt Engineers, Architects, Land Surveyors & Landscape Architects (HUNT-EAS) performed a wetland investigation at the project area located at Blue Rill Day Camp at 440 Saddle River Road (Tax ID #s: 62.11-2-10/62.11-2-8) in the Village of Airmont, Rockland County, New York (hereinafter referred to as the Subject Property or Site). This investigation and delineation were facilitated on behalf of MJ Engineering & Land Surveying (MJ) on May 26th, 2023. The intent of the visit was to identify and delineate the boundaries of wetlands and Waters of the United States (WOTUS).

Methodology

Wetland boundaries within the project study area were delineated using the federal criteria for wetland vegetation, wetland hydrology, and hydric soils (United States Army Corps of Engineers [USACE] 1987, USACE 2012). All of the wetlands identified within the project corridor were delineated using the Routine On-Site Method. In addition to the USACE 1987 Wetland Delineation manual, the delineation effort was completed per the guidelines of the USACE Northcentral and Northeast Regional Supplement.

Desktop Resource Review

The project area totals approximately 18 acres of mixed habitat. The site is located on the west side of Saddle River Road and is a youth day camp, primarily consisting of recreational structures in association with the camp.

The Site along Saddle River Road is adjoined primarily by residential structures and a municipal property. The Environmental Resource Mapper (ERM) does not indicate the presence of any wetlands; however, it does depict one New York State Department of Environmental Conservation (NYSDEC) freshwater stream

onsite along the west border of the Subject Property, mapped concurrently with Saddle River. Within the Subject property, certain portions of this stream are listed as Class C (C) while other portions are listed as Class B (B). The National Wetlands Inventory (NWI) mapper indicates the presence of several riverine wetlands and one (1) freshwater pond.

Prior to the field survey effort, several sources were consulted to obtain background information including:

- NYSDEC ERM;
- NWI Maps published by the USFWS;
- Rockland County Soil Survey Map;
- Federal Emergency Management Agency (FEMA) floodplain mapping; and
- Aerial photography, and contour mapping.

The county soil survey shows that the site contains the following mapped soils: Alden silt loam (Ad), Wethersfield gravelly silt loam, three-to-eight percent slopes (WeB), Wethersfield gravelly silt loam, eight-to-15 percent slopes (WeC), and Wethersfield-Urban land complex, two-to-eight percent slopes (WuB). Soil map unit WeB is considered prime farmland and soil map unit WeC is considered farmland of statewide importance. Soil map units WeB, WeC, and WuB are classified as well drained soils, soil map unit Ad is classified as very poorly drained soils. Soil map unit is the only soil classified as a hydric soil, with a hydric soil rating of 100% (see attached Hydric Soil Rating Map).

Delineation Findings

This wetland delineation effort resulted in the identification of one (1) wetland, one (1) stream, and one (1) pond. The resource boundaries are identified per the attached Figure 3. Ordinary High-Water Marks (OHWM), recorded as GPS points, were determined based on the presence of hydrology and stream bank characteristics.

Wetlands

Wetland A is a mixed palustrine emergent marsh and palustrine forested wetland (PEM/PFO) that covers approximately 0.15 acre (ac) at the northwest portion of the Subject Property. Wetland A is dominated by hydrophytic vegetation such as common reed (*Phragmites australis*) and red maple (*Acer rubrum*). Several indicators of hydrology were observed including presence of reduced iron and saturation. Hydric sandy loam soils were observed. Wetland A is adjacent to Stream 1; as such, Wetland A is under jurisdiction of the USACE.

Streams

Stream 1 is a perennial stream that flows south for approximately 1,396 linear feet (LF) onsite from the northwest corner of the Subject Property to where it flows offsite at the southwest corner. Stream 1 is approximately four (4) feet wide and six (6) inches deep at the OHWM with cobbles and gravel substrate. Stream 1 is mapped concurrently with Saddle River, a NYSDEC Class B (B) and Class C(C) freshwater stream. Portions of the stream mapped as a Class B(B) stream are under jurisdiction of the USACE and NYSDEC. Portions of the stream mapped as Class C(C) are under the jurisdiction of the USACE only.

Ponds

Pond 1 is a 0.45 acre freshwater pond centrally located along the west border of the Subject Property. Pond 1 appeared to be multiple feet deep with mucky substrate at the time of delineation. One culvert is present along the west edge of the pond. However, the culvert is for highwater events in the pond and does not create a continuous connection between Pond 1 and Stream 1. Based on the August 2023 revision to the definition of WOTUS, Pond 1 is an isolated resource and not jurisdictional to the USACE.

Table 1: Summary of Aquatic Resources on Site

Wetland ID	**Classification**	**Area/Length Onsite**	**Coordinates**	**Jurisdiction**
Wetland A	PEM/PFO	0.15 ac	41.093051, -74.078342	USACE
Stream 1	Perennial	1,396 LF	41.091361, -74.079104	USACE/NYSDEC*
Pond 1	Pond	0.45 ac	41.090843, -74.079222	Not Jurisdictional

*Portions of the stream identified as Class B(B) are under the jurisdiction of the NYSDEC.

A Jurisdictional Determination (JD) should be requested from the USACE if development is pursued within wetlands.

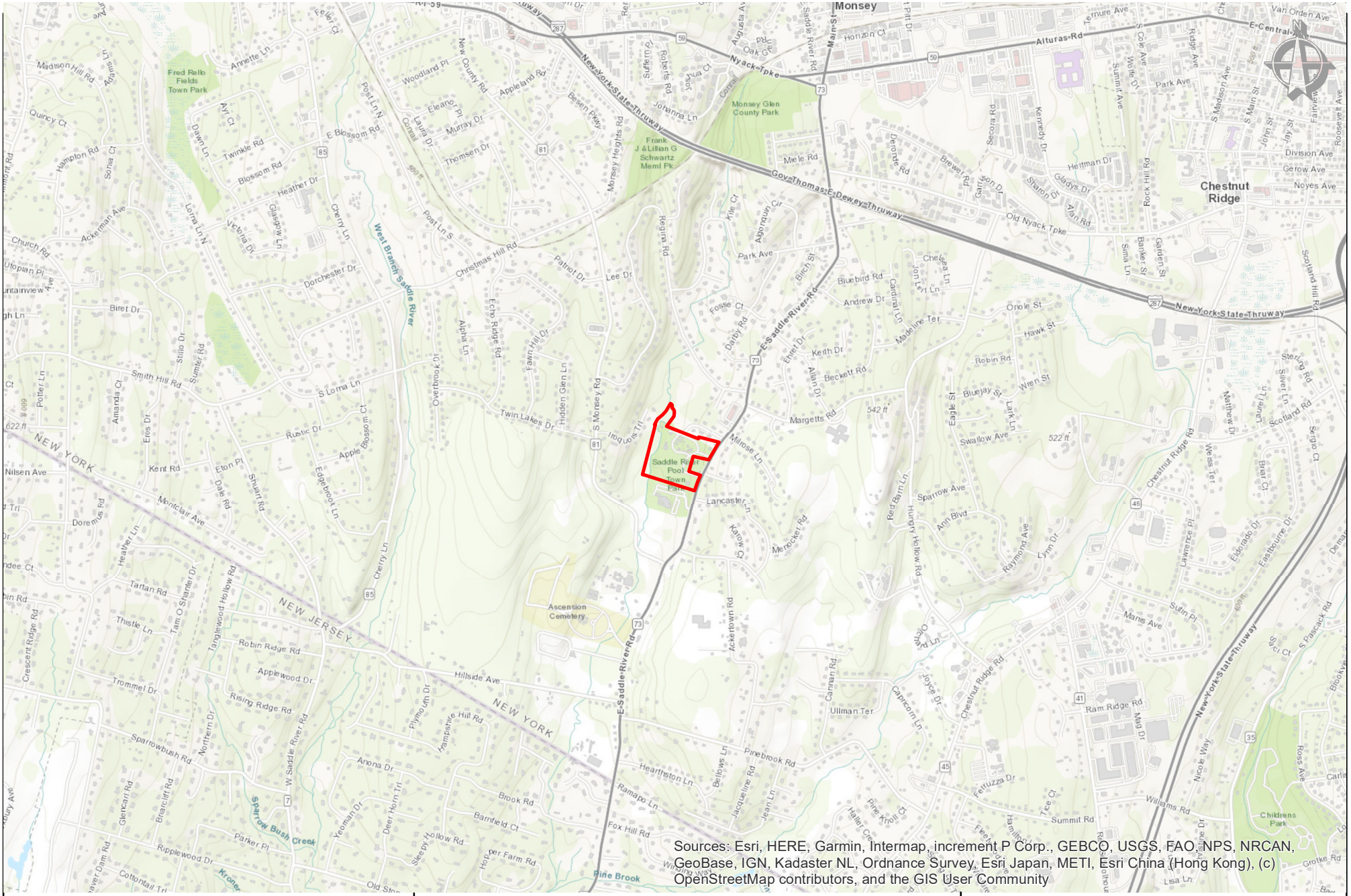
If you have any questions or require additional information, please do not hesitate to contact me in our Albany Office at marinor@hunt-eas.com.

Very truly yours,
HUNT Engineers, Architects, Surveyors

Raymond Marino
Environmental Scientist III

Enclosures

- Figure 1 – Subject Property Location Map
- Figure 2 – Subject Property Boundary Map
- Figure 3 – Wetland Delineation Map
- Wetland Delineation Photo Sheet
- Hydric Rating Soils Map



Legend

Project Boundary

FIGURE 1
Project Location Map

Blue Rill Day Camp - 440 Saddle Brook Road
Airmont, New York
Rockland County

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

0 625 1,250 2,500 3,750 5,000 Feet
1 inch = 2,000 feet
1:24,000

County Coverage: Rockland

Date Prepared: November 2023

Client Name: MJ Engineering

Path: E:\2023\2371.015 - MJE Blue Rill Day Camp\Graphics\Figure 1 - Project Location Map May 2023.mxd

Legend

Project Boundary

Photograph Locations

FIGURE 2
Project Boundary Map

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

Blue Rill Day Camp - 440 Saddle Brook Road
Airmont, New York
Rockland County

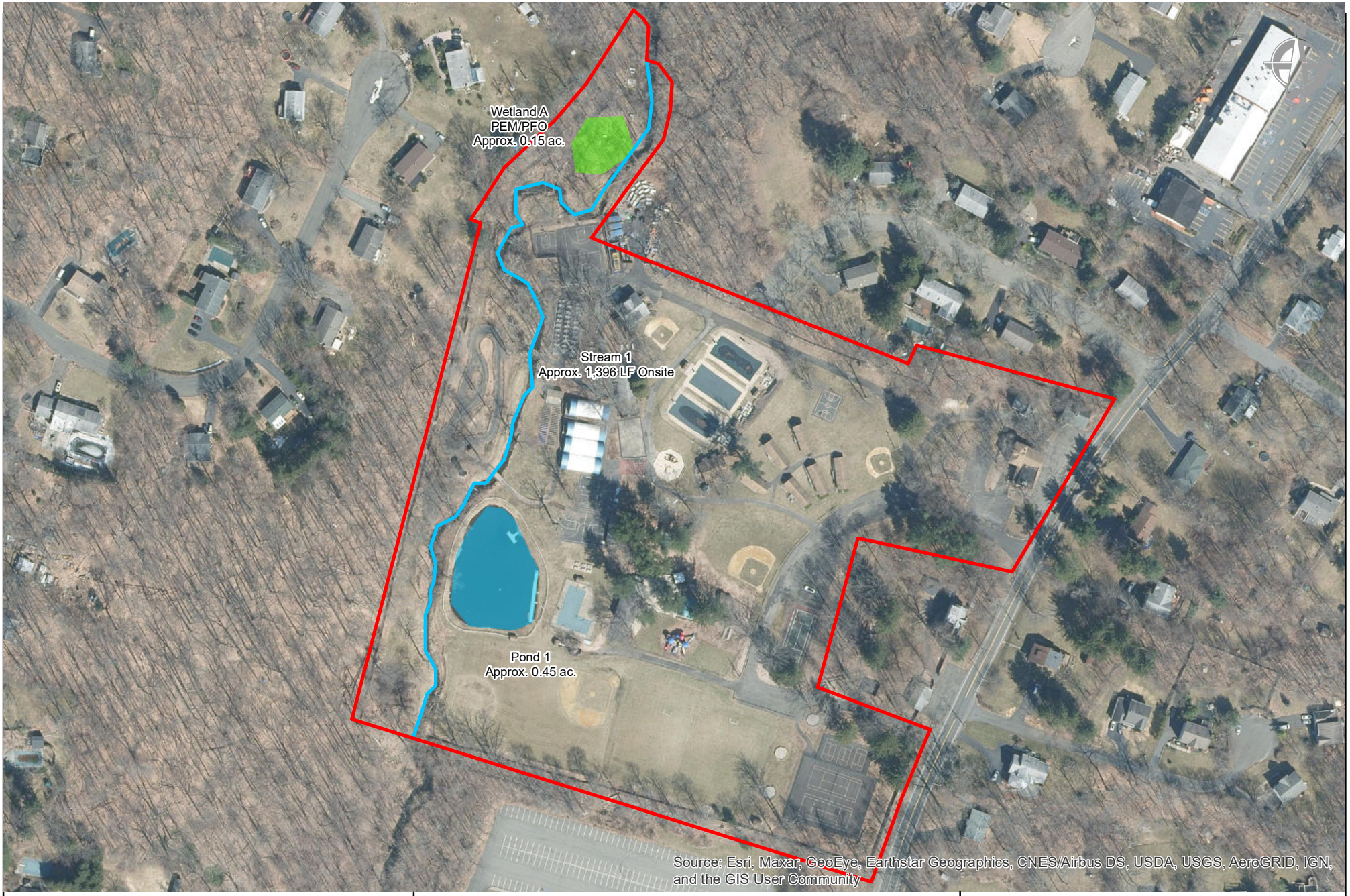
0 62.5 125 250 375 500 Feet
1 inch = 200 feet
1:2,400

County Coverage: Rockland

Date Prepared: November 2023

Client Name: MJ Engineering

Path: E:\2023\2371.015 - MJE Blue Rill Day Camp\Graphics\Figure 2 - Project Boundary Map May 2023.mxd



Legend

- Project Boundary
- Stream
- Wetlands
- Pond

FIGURE 3
Wetland Delineation Map

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

Blue Rill Day Camp - 440 Saddle Brook Road
Airmont, New York
Rockland County

Feet
0 62.5 125 250 375 500
1 inch = 200 feet
1:2,400

County Coverage: Rockland

Date Prepared: November 2023

Client Name: MJ Engineering

Path: E:\2023\2371.015 - MJE Blue Rill Day Camp\Graphics\Figure 3 - WLD Map.mxd

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

PHOTOGRAPH LOG

Project Name & Job Number: Blue Rill Day Camp – 2371.015
Project Address(es): 440 Saddle River Road, Airmont NY – Rockland County

Photo Number: 1
Photo Date: 5/26/2023
Photo Location: East central portion of Subject Property.
Direction Facing: Southwest
Photo Description: View of camp from parking lot.

Photo Number: 2
Photo Date: 5/26/2023
Photo Location: Northwest portion of Subject Property.
Direction Facing: Southeast
Photo Description: Representative view of Wetland A.

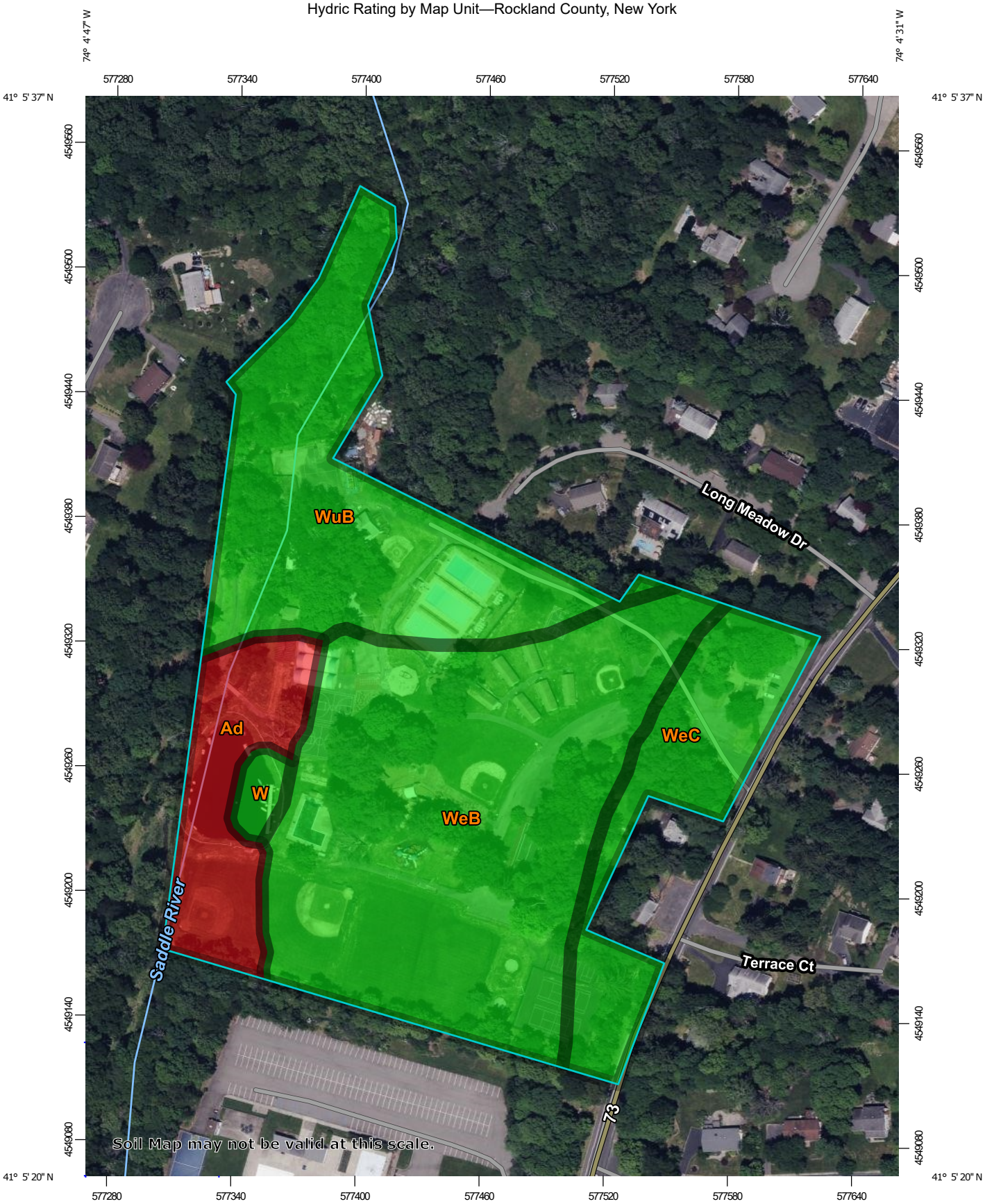
Photo Number: 3
Photo Date: 5/26/2023
Photo Location: West central portion of Subject Property.
Direction Facing: Northwest
Photo Description: Representative view of Stream 1.

Photo Number: 4
Photo Date: 5/26/2023
Photo Location: West central portion of Subject Property.
Direction Facing: South
Photo Description: Representative view of Pond 1.

Photo Number: 5
Photo Date: 5/26/2023
Photo Location: West of Pond 1.
Direction Facing: Southeast
Photo Description: Culvert connecting Pond 1 to Stream 1.

Photo Number: 6
Photo Date: 5/26/2023
Photo Location: North portion of Subject Property.
Direction Facing: South
Photo Description: Culvert beneath basketball court connecting to Stream 1.

Photo Number: 7
Photo Date: 5/26/2023
Photo Location: Southwest corner of Subject Property.
Direction Facing: Southwest
Photo Description: Representative view of upland field.



Map Scale: 1:2,530 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 35 70 140 210

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Lines
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Points
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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

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

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

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

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

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

Soil Survey Area: Rockland County, New York
Survey Area Data: Version 20, Sep 10, 2022

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

Date(s) aerial images were photographed: May 31, 2022—Oct 27, 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.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ad	Alden silt loam	100	1.7	10.5%
W	Water	0	0.2	1.4%
WeB	Wethersfield gravelly silt loam, 3 to 8 percent slopes	0	7.6	47.3%
WeC	Wethersfield gravelly silt loam, 8 to 15 percent slopes	0	2.1	13.2%
WuB	Wethersfield-Urban land complex, 2 to 8 percent slopes	0	4.4	27.5%
Totals for Area of Interest			**16.1**	**100.0%**

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

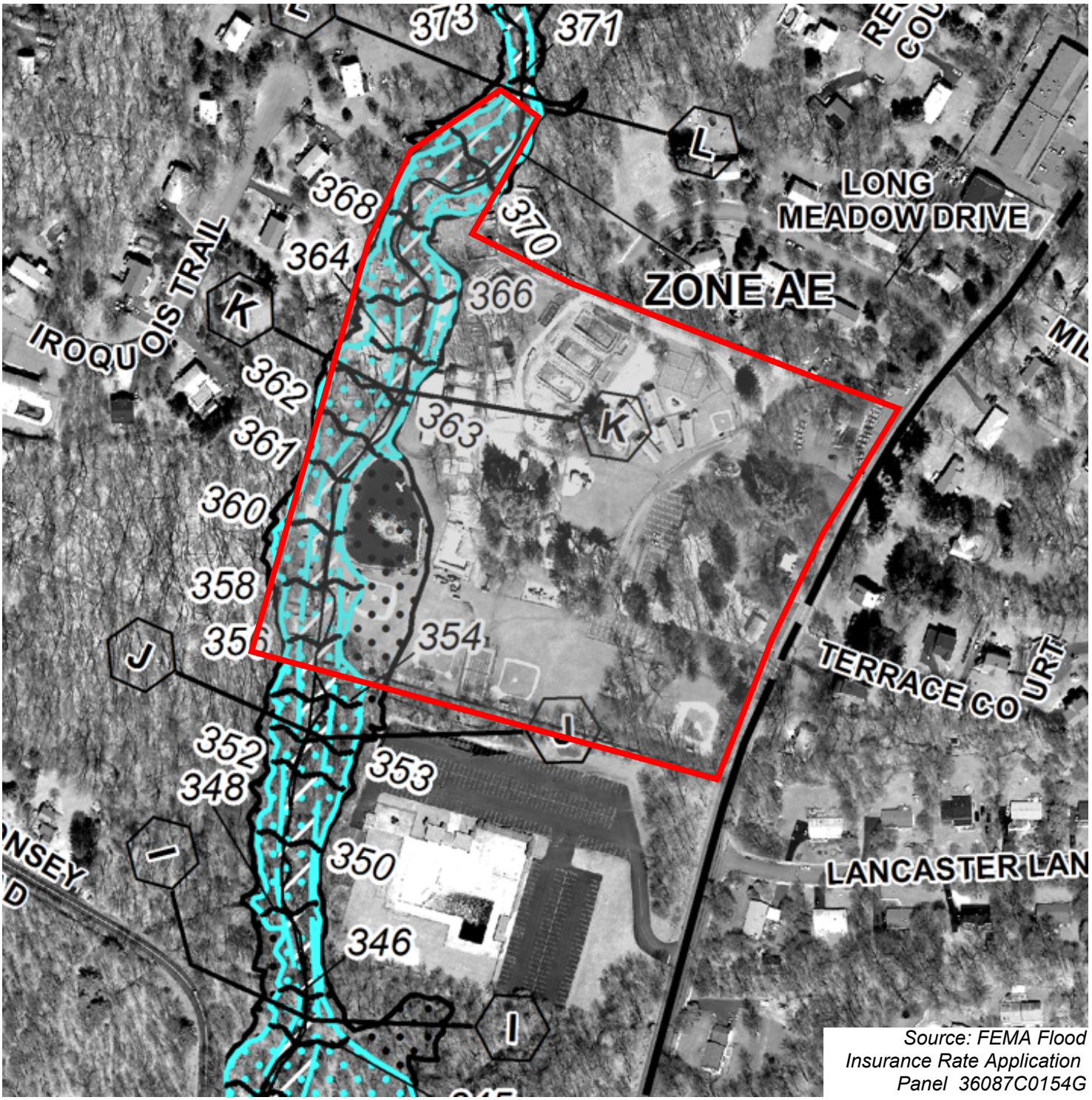
Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Appendix 4 \

Floodplain Map



Engineering
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and Land Surveying, P.C.

BLUE RILL ESTATES

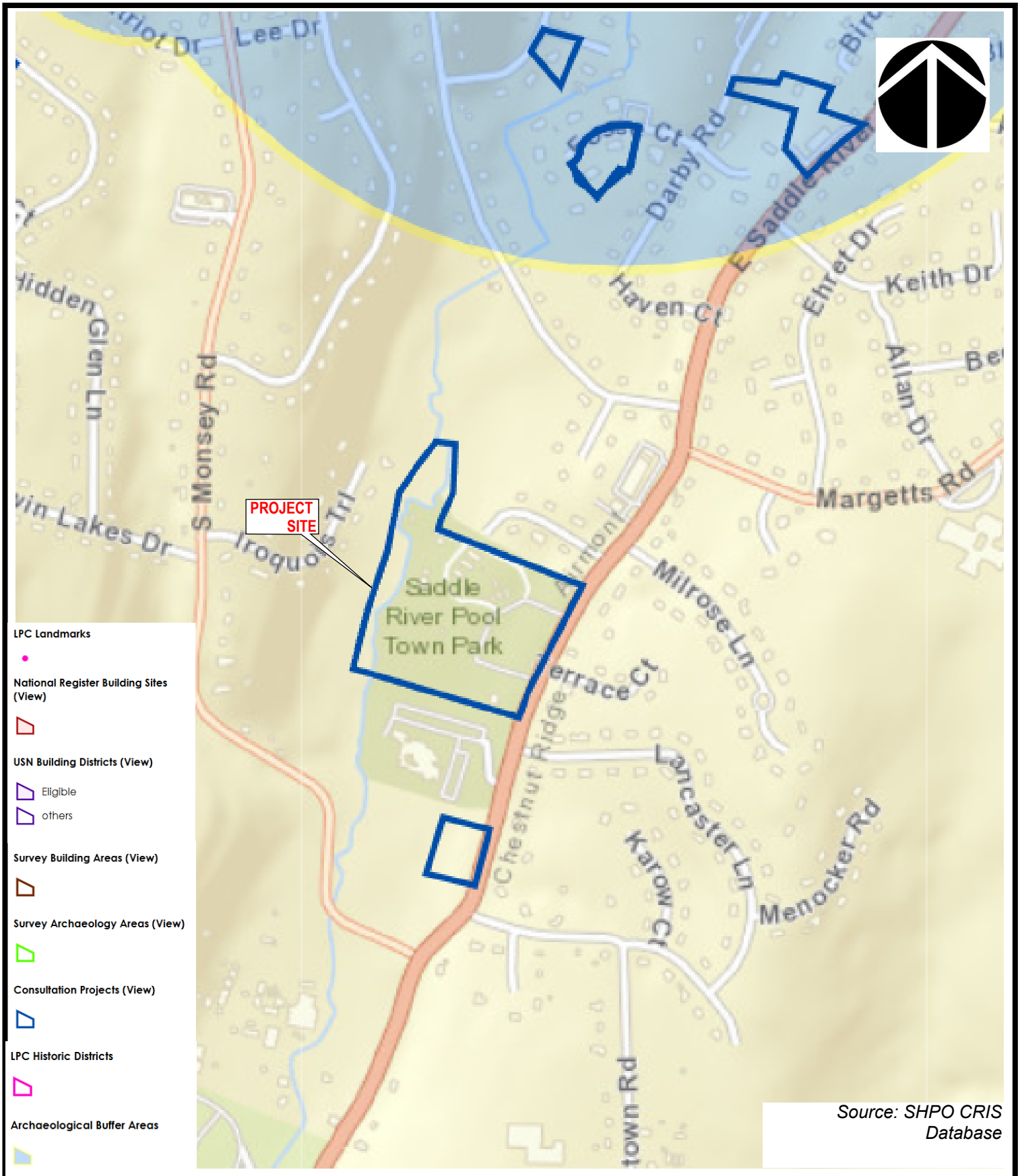
FLOOD PLAIN MAP

444 SADDLE RIVER ROAD
TAX ID 62.11-2-8, 62.11-2-9 & 62.11-2-10
VILLAGE OF AIRMONT, ROCKLAND COUNTY, NY

SCALE:	NTS
PROJECT NO:	1587.01
DATE:	Oct 2024

Appendix C.5 \

Cultural Resources



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BLUE RILL ESTATES

CULTERAL / ARCHEOLOGICAL RESORUCE MAP

444 SADDLE RIVER ROAD
TAX ID 62.11-2-8, 62.11-2-9 & 62.11-2-10
VILLAGE OF AIRMONT, ROCKLAND COUNTY, NY

SCALE:	NTS
PROJECT NO:	1587.01
DATE:	Oct 2024

Appendix C.6 \

iPaC

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

Rockland County, New York

Local offices

Long Island Ecological Services Field Office

(631) 286-0485
(631) 286-4003

340 Smith Road
Shirley, NY 11967-2258

New York Ecological Services Field Office

(607) 753-9334
(607) 753-9699
fw5es_nyfo@fws.gov

3817 Luker Road
Cortland, NY 13045-9385

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

NOT FOR CONSULTATION

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat Perimyotis subflavus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Reptiles

NAME	STATUS
Bog Turtle Glyptemys muhlenbergii No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6962	Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found There is **proposed** critical habitat for this species. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

NOT FOR CONSULTATION

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act[1] and the Migratory Bird Treaty Act[2].

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats[3], should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to Bald Eagle Nesting and Sensitivity to Human Activity

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31

NOT FOR CONSULTATION

Golden Eagle *Aquila chrysaetos*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Breeds elsewhere

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

NOT FOR CONSULTATION

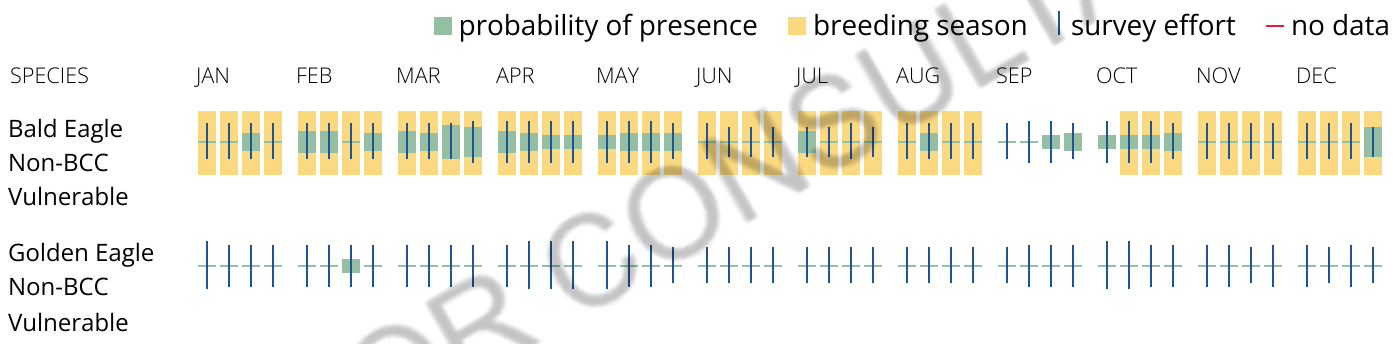
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



NOT FOR CONSULTATION

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid

cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats[3] should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around

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your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Black-billed Cuckoo *Coccyzus erythropthalmus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Blue-winged Warbler *Vermivora cyanoptera* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 1 to Jun 30
Bobolink *Dolichonyx oryzivorus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31
Canada Warbler *Cardellina canadensis* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cerulean Warbler *Setophaga cerulea* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 29 to Jul 20

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Chimney Swift Chaetura pelagica — Breeds Mar 15 to Aug 25
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Eastern Whip-poor-will Antrostomus vociferus — Breeds May 1 to Aug 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Golden Eagle Aquila chrysaetos — Breeds elsewhere
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Lesser Yellowlegs Tringa flavipes — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9679

Pectoral Sandpiper Calidris melanotos — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Prairie Warbler Setophaga discolor — Breeds May 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Prothonotary Warbler Protonotaria citrea — Breeds Apr 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Rusty Blackbird Euphagus carolinus — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Scarlet Tanager Piranga olivacea — Breeds May 10 to Aug 10
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

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Semipalmated Sandpiper Calidris pusilla This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Short-billed Dowitcher Limnodromus griseus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	Breeds elsewhere
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

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3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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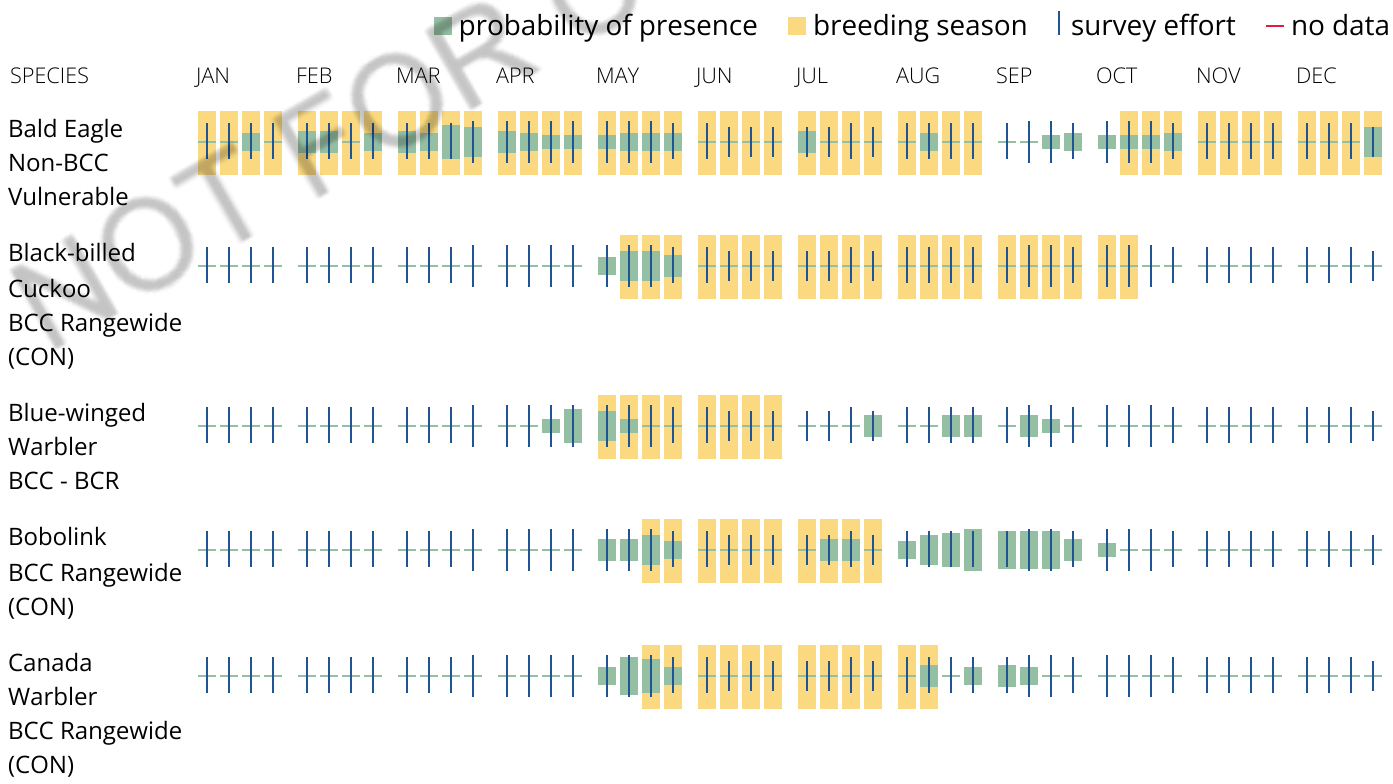

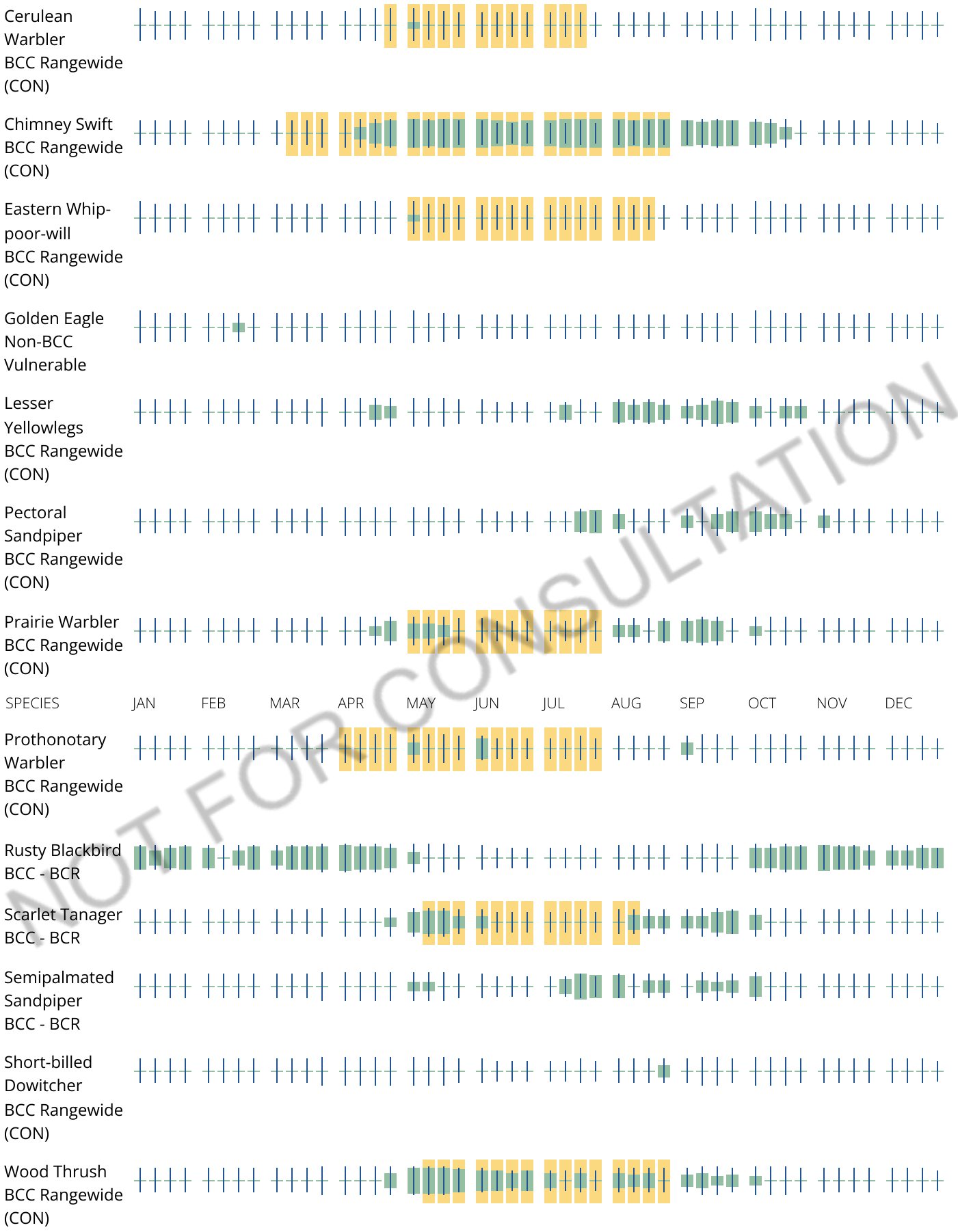

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);

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2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER POND

PUBHh

RIVERINE

R3UBH

R4SBC

R5UBH

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A full description for each wetland code can be found at the National Wetlands Inventory website

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Appendix D \

WQv-HydroCAD Report and WQv/RRv Calculations

TOTAL WATER QUALITY VOLUME CALCULATION
For ALL DEVELOPMENT PROJECTS in Non-Impaired Watersheds

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
County:	Rockland		

SITE CHARACTERISTICS

Project Type:	**Redevelopment with INCREASED Impervious**		
90% Rain (P):	1.50 *inches*		
Total Project Area (DA):	754,015.00 *sf*	17.310 *ac*	
Existing Impervious Area:	185,400.00 *sf*	4.256 *ac*	
Total Project Impervious Area (I):	357,234.00 *sf*	8.201 *ac*	
Difference in Impervious Area:	171,834.00 *sf*	3.945 *ac*	
Percent Increase/Reduction:	92.68%	*Increased Impervious (Redev +)*	

Proprietary Devices?

Is a Proprietary Practice being used?	No	*(Can only be used on existing impervious)*	
Existing Impervious to practice?		*sf*	0.000 *ac*
% Existing Impervious to practice?	0.00%		

BASE WATER QUALITY VOLUME

Re-Development Areas

Redevelopment Impervious Area:	185,400	*sf (from above)*
Total Redevelopment Area:	185,400	*sf*
Percent Existing Impervious (i):	100.00%	

New Development Areas

Proposed New Impervious Area:	171,834	*sf*
Total New Development Area:	568,615	*sf*
Percent New Impervious (i):	30.22%	

Calculation of Runoff Coef. (Rv) = 0.05 + [(0.009)*(i)] =

Re-Development Runoff Coef. (Rv) =	0.950
New Development Runoff Coef. (Rv) =	0.322

WQv = [(P) * (A) * (Rv)] / 12 =

Existing Impervious WQv =	5,504 *cf*	0.126 *ac-ft*	
New Impervious WQv =	22,885 *cf*	0.525 *ac-ft*	
Adjusted Min Required WQv =	**28,389** *cf*	0.652 *ac-ft*	

For redevelopment projects total equals 25% of calculated WQv for SMPs or 75% for proprietary devices

BREAKDOWN OF SUBCATCHMENTS

Calculations below assume no proprietary practice is being used for treatement of redevelopment runoff.

Catchment Name	Total Area *(sf)*	Total Prop. Imperv. Area *(sf)*	Exist. Imp. Area *(sf)*	Min WQv Required	WQv Going to Practice	Development Type	Treatment Practice
1	201,497	116,989	61,860	8,911	14,421	Redev +	
2	50,915	43,252	20,537	3,355	5,184	Redev +	
3	63,092	19,060	28,370	-198	2,539	Redev -	
4	170,473	97,214	52,637	7,314	12,002	Redev +	
5	36,592	13,503	2,726	1,505	1,748	Redev +	
6	52,423	20,342	11,656	1,578	2,616	Redev +	
7	139,093	0	0	869	869	NEW	
8	64,084	50,405	7,614	5,393	6,071	Redev +	
9				0	#DIV/0!	NEW	
10				0	#DIV/0!	NEW	
11				0	#DIV/0!	NEW	
Total	**778,169**	**360,765**	**185,400**	**28,727**	**#DIV/0!**	Note: Total Min WQv calculated (left) may not match the "Adjusted Min Required WQv" (above) due to the way the Rv is calculated. The project should meet the WQv Requirements calculated above.	

MINIMUM RRv CALCULATION

For <u>All Development Projects</u> in Non-Impaired Watersheds

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
County:	Rockland		

SOIL DATA FOR PROJECT SITE

Catchment Name	Area by Hydrologic Soil Group (HSG) A *(sf)*	B *(sf)*	C *(sf)*	D *(sf)*	Total *(sf)*	
1			201,497.00		201,497.00	OK
2			50,915.00		50,915.00	OK
3			63,092.00		63,092.00	OK
4			170,473.00		170,473.00	OK
5			36,592.00		36,592.00	OK
6			52,423.00		52,423.00	OK
7			139,093.00		139,093.00	OK
8			64,084.00		64,084.00	OK
9			0.00		0.00	OK
10			0.00		0.00	OK
11			0.00		0.00	OK
10					0.00	#REF!
Total	0.00	0.00	772,510.00	0.00	778,169.00	OK
S	0.55	0.40	0.30	0.20	**0.30**	**Adjusted S**
Adjusted Total *(sf)*	0.00	0.00	231,753.00	0.00	231,753.00	
Percentage	0.00%	0.00%	100.00%	0.00%		

MINIMUM RRv CALCULATION

90% Rain (P):	1.50 *inches*	
Proposed Increased Impervious Area:	171,834.00 *sf*	
Rv (100% I) = 0.05 + 0.009(I) =	0.95	
HSG Specific Reduction Factor =	0.30	
Min. RRv = [(P) * (Rv) * (Ai) * (S)] / 12 =	**6,077 *cf***	0.140 *ac-ft*

SWPPP SUMMARY

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
County:	Rockland		

Min. Runoff Treatment Volume (WQv) for Project:	28,389 *cf*	**0.652** ***ac-ft***
Min. Volume of WQv to be met by Runoff Red.(RRv):	6,077 *cf*	**0.140** ***ac***

SUMMARY OF SMPs

GREEN INFRASTRUCTURE AREA REDUCTION TECHNIQUES

Area Reduction Technique	DEC Ref. No.	Contrib. Area *sf*	Contrib. Imperv. Area *sf*	RRv Provided *cf*	Treated WQv *cf*
Conservation of Natural Areas	RR-1	139093	0		
Sheetflow to Riparian Buffers/Filter Strips	RR-2				
Tree Planting/Tree Box	RR-3				
Disconnection of Rooftop Runoff	RR-4				
Total Area Reduction		139093	0		
Revised Areas		614,922.00	0.00		
Revised WQv & Minimum RRv				**5,598**	

GREEN INFRASTRUCTURE RUNOFF REDUCTION TECHNIQUES

Volume Reduction Technique	DEC Ref. No.	Contrib. Area *sf*	Contrib. Imperv. Area *sf*	RRv Provided *cf*	Treated WQv *cf*
Vegetated Swale	RR-5				
Rain Garden (2)	RR-6				
Stormwater Planter	RR-7				
Rain Barrel/Cistern	RR-8				
Porous Pavement	RR-9				
Green Roof	RR-10				
Totals		-	-	-	-

STANDARD SMPs W/ RRv CAPACITY

Volume Reduction Technique	DEC Ref. No.	Contrib. Area *sf*	Contrib. Imperv. Area *sf*	RRv Provided *cf*	Treated WQv *cf*
Infiltration Trench	I-1				
Infiltration Basins	I-2				
Dry Well	I-3				
Underground Infiltration System	I-5	64,084	50,405	6,071	
Bioretention & Infiltration Bioretention (Total)	F-5				
Dry Swale	O-2				
Totals		**64,084**	**50,405**	**6,071**	**0**

SWPPP SUMMARY

STANDARD SMPs					
Standard Management Practice	**DEC Ref. No.**	**Contrib. Area** *sf*	**Contrib. Imperv. Area** *sf*	**RRv Provided** *cf*	**Treated WQv** *cf*
Micropool Extended Detention	P-1				
Wet Pond	P-2				
Wet Extended Detention	P-3				
Multiple Pond System	P-4				
Pocket Pond	P-5	422,885.00	257,455.00		19,580.25
Surface Sand Filter	F-1				
Underground Sand Filter	F-2				
Perimeter Sand Filter	F-3				
Organic Filter	F-4				
Shallow Wetland	W-1				
Extended Detention Wetland	W-2				
Pond/Wetland System	W-3				
Pocket Wetland	W-4				
Wet Swale	O-2				
Totals		**422,885**	**257,455**		**19,580**

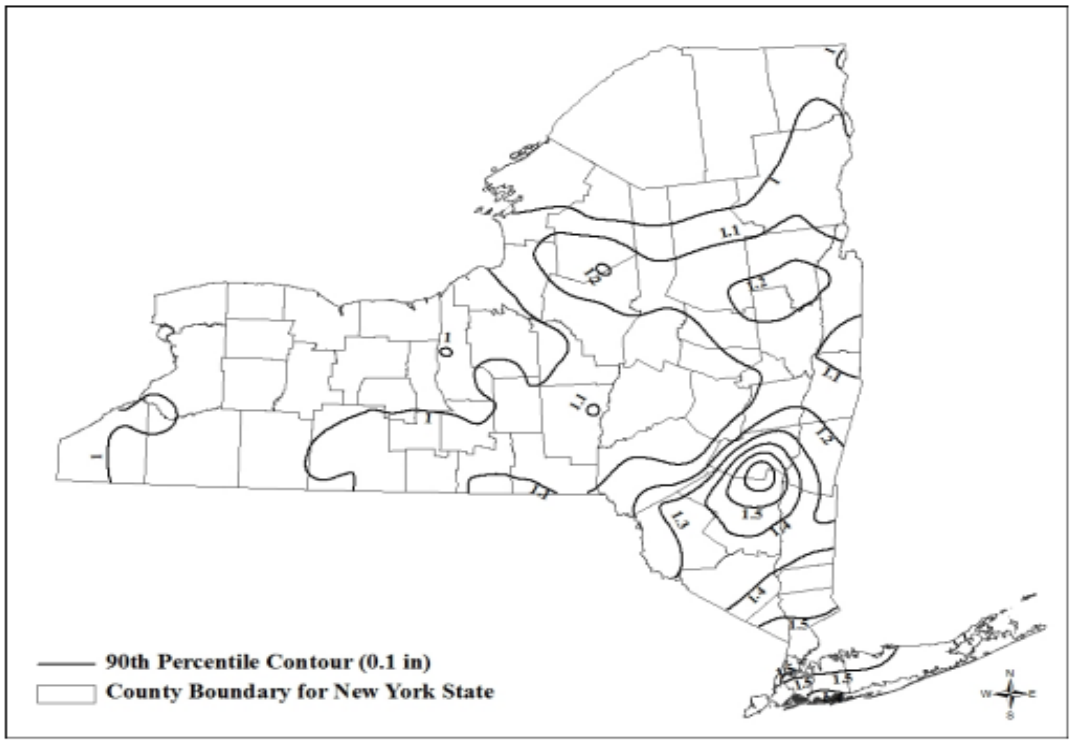
PROPRIETARY TREATMENT SYSTEMS					
Type	**DEC Ref. No.**	**Contrib. Area** *sf*	**Contrib. Imperv. Area** *sf*	**RRv Provided** *cf*	**Treated WQv** *cf*
Contech HDS - North		50,915	43,252		4138.00
Contech HDS - South		369658	227965		4963.00

SUMMARY				
	Runoff Reduced (RRv)		**Runoff Treated (WQv)**	
	cf	*ac-ft*	*cf*	*ac-ft*
Provided by Area Reduction Practices:	5,598	0.128		
Total Provided by Treatment Practices	11,669	**0.268**	28,681	**0.658**
Total WQv Provided Including Runoff Reduced (ac-ft)	**0.926**			

OK - Minimum WQv Provided

OK - Minimum RRvv Provided

Figure 4.1: 90th Percentile Rainfall in New York State (NYSDEC, 2013)



TOTAL WATER QUALITY VOLUME CALCULATION
For ALL DEVELOPMENT PROJECTS in Non-Impaired Watersheds

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
County:	Rockland		

WQv INFORMATION

90% Rain (P):	1.50 *inches*		
Total Project Area (DA):	754,015 *sf*	17.310 *ac*	
Total Project Impervious Area (I):	357,234 *sf*	8.201 *ac*	
Percent Impervious	47%		
WQv:	28389 *cf*	0.652 *ac-ft*	
Time of Concentration (Tc):	0.23 *hr*		

PEAK FLOW CALCULATION

WQv in Watershed Inches (Wqv)	0.452 *in*	
Compute Adjusted RCN		
RCN = 1000 / [10 + 5P + 10Wqv - 10(Wqv^2 + 1.25WqvP)^.5]		
RCN	85	
Peak Rate of Runoff		
Qp = Qu x A x Wqv		
S	1.765	
Ia	0.353	*Can also use Table 4.1, TR-55 to determine Ia for adjusted RCN*
Ia/P	0.235	
n	0.150	*For all less than 4" flow depth*
Qu	750 *csm/in*	*From Table 4-II or 4-III, TR-55 Manual*
Qp	**9.16** *cfs*	

TOTAL WATER QUALITY VOLUME CALCULATION
For ALL DEVELOPMENT PROJECTS in Non-Impaired Watersheds

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
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Percent Impervious	47%	
WQv:	28389 *cf*	0.652 *ac-ft*

ORIFICE CALCULATION

Qp 9.16 *cfs*

Orifice Equation
Q = 0.6 x A(2GH)^.5
Where:

G (gravity)	32.2 *ft/s^2*	
H (head)	1 *ft*	Assume 1.5' - 6" to center of orifice

CALCULATE ORIFICE DIAMETER

A (area)	1.90 *sf*
Radius	0.78 *ft*
Diameter	**1.56 *ft***

INFILTRATION CHAMBERS (I-5)

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
County:	Rockland		

Chamber Group: 1

DRAINAGE AREA TO BE TREATED BY PRACTICE

Catchment Name	Total Area *(sf)*	Imperv. Area *(sf)*	% Imperv	Rv	Calculated WQv *(cf)*	Pre-Treatment Practice
8	64,084.00	50,405.00	78.7%	0.76	6,071	Isolator Row
Total	64,084.00	50,405.00			6,071	

DESIGN ELEMENTS

Infiltration Rate:	3	*in/hour*	*OK - Infiltration rate is acceptable*
Pretreatment Required:	50%	*of WQv*	*25% min; 50% if > 2 in/hr; 100% if > 5in/hr*
Required Pretreatment Volume:	3,036	*cf*	
Pretreatment Techniques Utilized:	Isolator Rows		
Pretreatment Volume Provided:	N/A	*cf*	

BASIN SIZING

Depth to Groundwater*:	3.00	*ft*	**Ground water must be at least 3' from bottom of practice, 4' in sole source aquifer*
Provide Length of Device:	129.50	*ft*	
Provide Width of Device:	22.26	*ft*	
Surface Area Provided:	2,882.67	*sf*	
Porosity of Stone:	0.40		
Depth of Stone Bed:	5.50	*ft*	
Number of Chambers:	34		*Contech ChamberMaxx Stormwater Chambers*
Storage Volume per Unit:	109.00	*cf*	
Total Chamber Storage Volume:	3,706.00	*cf*	
Total Stone Bed Storage Volume:	2,635.87	*cf*	
Total Volume Provided:	**6,341.87**	***cf***	*Storage Volume provided in infiltration basin area (not including pretreatment)*

WQv & RRv CAPACITY

RRv Applied: **6,071** ***cf***

0.139 *ac-ft*

100% of the storage provided in the basin or WQv, whichever is less

POCKET POND (P-5)

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
County:	Rockland		

Pond No.:

DRAINAGE AREA TO BE TREATED BY PRACTICE

Catchment Name	Total Area *(sf)*	Imperv. Area *(sf)*	% Imperv	Composite WQv *(cf)*	Pre-Treatment Practice
2	50,915.00	43,252.00	84.9%	3,354.99	
4	170,473.00	97,214.00	57.0%	7,314.05	
1	201,497.00	116,989.00	58.1%	8,911.21	
			#VALUE!		
			#VALUE!		
			#VALUE!		
			#VALUE!		
Total	422,885.00	257,455.00		19,580.253	

DESIGN ELEMENTS

Overal Length of Pond:	318	*ft*		
Overal Width of Pond:	50	*ft*	*Yes, exceeds min. L:W ratio 1.5:1*	
Located within sole source aquifer?:	Yes		*Provide 2' min. separation between pond bottom & groundwater in sole source auifer recharge areas*	
Groundwater Table Elevation:	359	*ft*		
Bottom Elevation of Main Pond:	361	*ft*		
Pretreatment Techniques Utilized:	Proprietary Treatment Device			
Depth of Forebay:		*ft*		
Total Volume of Forebay:		*cf*		
Volume of Permanent Pool in Forebay:		*Cf*		
Surface Area of Forebay:		*sf*		
WQv Provided within Proprietary Device:	14685.19	***cf***	0.337 *ac-ft*	
Adjusted WQv Required in Main Pond:	4895.06	***cf***	0.112 *ac-ft*	

MAIN POND SIZING

Depth of Permanent Pool in Main Pond:	4.00	*ft*	*See pond bench requirements in NYS Stormwater Design Manual Ch. 6*
Total Volume of Main Pond:	62,463.00	*cf*	
Volume of Permanent Pool in Main Pond:	10,072.00	*cf*	
Surface Area of Main Pond:	14,394.00	*sf*	

Actual Volume Provided:

Actual Volume Provided:	**62,463.00**	***cf***	1.434 *ac-ft*

WQv CAPACITY

Min. Permanent Pool Volume:	**2,447.53**	***cf***	0.056 *ac-ft*	
Permanent Pool Volume Provided:	**10,072.00**	***cf***	0.231 *ac-ft*	*Volume is Adequate*
WQv Applied:	**19,580.25**	***cf***	0.450 *ac-ft*	*Volume is Adequate*

GENERAL PROJECT INFORMATION

Project:	Blue Rill Senior Housing	Date:	2/13/2024
Address:	444 Saddle River Road, Airmont, NY	By:	CC/AJW
County:	Rockland		

CONSERVATION OF NATURAL AREAS

Total Contributing Area:	139,093	*sf*	3.193 *ac*
Total Contributing Impervious Area:	139093	*sf*	3.193 *ac*
Total Area to be protected as a Natural Conservation Area	139,093	*sf*	3.193 *ac*

RIPARIAN BUFFERS / FILTER STRIPS

Total Contributing Area:		*sf*	3.193 *ac*
Total Contributing Impervious Area:		*sf*	3.193 *ac*

TREE PLANTING / TREE PRESERVATION

EXISTING PRESERVED TREES			
No. Exist. Trees Preserved:			
Contrib. Area to each Preserved Tree:		*sf*	
Contrib. Impervious Area to Preserved Each Tree:		*sf*	
PROPOSED TREES			
No. of Proposed Trees:			
Contrib. Area to Each Proposed Tree:		*sf*	
Contrib. Impervious Area to Proposed Tree:		*sf*	
PROPOSED TREES WITHIN RAISED PLANTER BEDS (WRPB)			
No. of Proposed Trees within planter bed:			
Contrib. Area to Each Proposed Tree:		*sf*	
Contrib. Impervious Area to Proposed Tree:		*sf*	
Total Contribing Area Reduced by Trees:	**0.00**	*cf*	0.000 *ac*
Total Contributing Impervious Area Reduced by Trees:	**0.00**	*cf*	0.000 *ac*

STORMWATER MANAGEMENT PLAN
STANDARD QUALITY AND QUANTITY TREATMENT PRACTICES WORKSHEET

PROJECT: Blue Rill Senior Housing
LOCATION: 444 Saddle River Road
DATE: 2/1/2024
PERFORMED BY: CEC

90% RAIN (P): 1.5 inches DA: 8.48 acres HSG(s): C

MISCELLANEOUS STORMWATER PRACTICES

Miscellaneous Practice I.D.:
Practice Location:
NYSDEC Type of Filtration Practice: Hydrodynamic Separators
New Construction or Redevelopment ? Redevelopment
Standard or Alternative Practices? Alternative

Redevelopment Portion of Project:

DA tributary to Practice(s) = 8.48 acres ***Meets Maximum Contributing Area of 10 Acres***
AI tributary to Practice(s) = 5.23 acres
Percent of Imperviousness = 61.67 %
Rv for this Practice = 0.61
Calculated WQv for this Practice = *0.641* *ac-ft* = 27,938.30 c.f.
Required WQv for this Practice = 0.481 ac-ft = 20,952.36 c.f.

New Development Portion of Project:

DA tributary to Practice(s) = acres ***Meets Maximum Contributing Area of 10 Acres***
AI tributary to Practice(s) = acres
Percent of Imperviousness = %
Rv for this Practice =
Calculated WQv for this Practice = 0 ac-ft = 0.00 c.f.

Project Totals:

Total DA to Practice = 8.480 acres
Total AI to Practice = 5.230 acres
Redevelopment WQv = 20,952.360 cf
New Development WQv = 0.000 cf
Total Required WQv Treatment Amount = 20,952.360 cf = **0.48 ac-ft**

Use of Device:

Is this Device Being Used for Pre-Treatment, Only? N *(Y/N)*
If Yes, What Precentage of WQv Will Be Treated? *%*

= ***20,952.36*** ***cf***
= ***0.48*** ***ac-ft***

STORMWATER MANAGEMENT PLAN
STANDARD QUALITY AND QUANTITY TREATMENT PRACTICES WORKSHEET

PROJECT: Blue Rill Senior Housing
LOCATION: 444 Saddle River Road
DATE: 2/1/2024
PERFORMED BY: CEC

90% RAIN (P): 1.5 inches DA: 8.48 acres HSG(s): C

Additional Site Information:

Depth to Groundwater Table = *ft.* Depth to Refusal = ft.
Existing Grade in Area of Practice =
Elevation of Bottom of Practice =
Groundwater Table Elevation = 0.00 ***2' Seperation is NOT Maintained***
Refusal Layer Elevation = 0.00 ***2' Seperation is NOT Maintained***

B. Pre-treatment:

Pre-treatment Device = None
Required Pretreatment Volume = c.f.

If using a Sediment Basin or Forebay:
Avg. area of Sediment basin = sf
Avg. depth of sediment basin = ft
WQ_v provided within sediment basin = 0.00 c.f.
%

If using Filter Strips:
Flows from Impervious Parking Lot or Lawn?
Slope of Filter Strips = %
Min. Length of Filter Strips = ft.
Length of Inflow Approach = ft.

If using Gravel Diaphragms:
Width of Gravel Diaphragm (GD) = ft
Length of GD = ft
Porosity of Stone within GD =
Height of GD = ft
Storage Volume within GD = 0.00 c.f. ***Redeisgn -This doesn't meet the required vol.***

Total Pre-Treatment Volume Provided = 0.00 c.f. ***Redeisgn -This doesn't meet the required vol.***

STORMWATER MANAGEMENT PLAN
STANDARD QUALITY AND QUANTITY TREATMENT PRACTICES WORKSHEET

PROJECT: Blue Rill Senior Housing DATE: 2/1/2024
LOCATION: 444 Saddle River Road PERFORMED BY: CEC

90% RAIN (P): 1.5 inches DA: 8.48 acres HSG(s): C

C. Miscellaneous Treatment Device:

Type of Device = Hydrodynamic Separators

1. Dry and Wet Swale Calculations:

Existing Grade in Area of Swale =		
Depth to groundwater table (GWT) =		ft
Depth to refusal/ledge =		ft
Bottom of Swale Elevation =		
GWT Elevation =		
Refusal/Ledge Elevation =		
Longitudinal Slope of Swale =		%
Bottom Width of Swale =		ft
Side Slope of Swale (H/V) =		
Total Depth of Swale =		ft
Cross-sectional Area of Swale, A_{sw}* =		sf
A_{sw} minus 6" freeboard =		sf
Length of Swale =		ft
Storage volume of swale =	**0.00**	**c.f.**

** assume section as a trapezoidal shape*

2. Hydrodynamic Separator Calculations:

Rainfall for WQ_v (90% Rainfall Event), P =	1.50	inches
Water Quality Volume to be Treated, WQ_v =	20,952.36	c.f.
Runoff Volume, Q_a =	0.91	inches
CN =	(1000)/[(10)+(5*P)+(10*Q_a)-((10)*((Q_a^2 + (1.25*Q_a*P))^1/2))]	
CN =	94	(rounded to the nearest whole number)
Time of Concentration (from TR-55), t_c =	6.00	minutes
t_c =	0.10	hours
Initial Abstraction, I_a =	(200/CN)-2	
I_a =	0.128	
I_a / P =	0.085	
Unit Peak Discharge (TR-55 Exhibit 4-III), q_u =	660.00	cfs/mi^2/inch
Drainage Area, A =	0.0133	mi^2
WQv Peak Discharge, Q_p =	(q_u)*(A)*(Q_a)	
WQv Peak Discharge, Q_p =	**7.937**	**cfs**
Q_p for Redevelopment Project =	**5.953**	**cfs**

STORMWATER MANAGEMENT PLAN
STANDARD QUALITY AND QUANTITY TREATMENT PRACTICES WORKSHEET

PROJECT: Blue Rill Senior Housing
LOCATION: 444 Saddle River Road
DATE: 2/1/2024
PERFORMED BY: CEC

90% RAIN (P): 1.5 inches DA: 8.48 acres HSG(s): C

Selected Hydrodynamic Separator

Device Manufacturer =
Model Number =
Targeted Treatment Capacity = 1.41 cfs

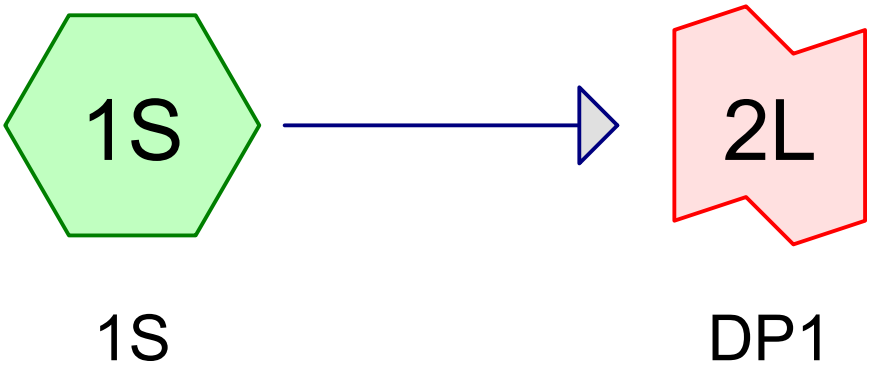
Selected Model is insufficient, select a model with a larger treatment capacity

3. Total System Treatment Capacities:

Total WQv provided in system = 4,963.20 cf ***Redesign-Design does not treat the required WQv***

Appendix E \

Pre-HydroCAD Report



Subcat Reach Pond Link

Routing Diagram for MJ1587 Pre
Prepared by MJ Engineering , Printed 12/17/2024
HydroCAD® 10.00-22 s/n 04261 © 2018 HydroCAD Software Solutions LLC

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
13.261	79	50-75% Grass cover, Fair, HSG C (1S)
4.473	98	Unconnected pavement, HSG C (1S)
17.734	**84**	**TOTAL AREA**

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
17.734	HSG C	1S
0.000	HSG D	
0.000	Other	
17.734		**TOTAL AREA**

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	13.261	0.000	0.000	13.261	50-75% Grass cover, Fair	1S
0.000	0.000	4.473	0.000	0.000	4.473	Unconnected pavement	1S
0.000	**0.000**	**17.734**	**0.000**	**0.000**	**17.734**	**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

Subcatchment1S: 1S Runoff Area=772,510 sf 25.22% Impervious Runoff Depth>1.01"
Flow Length=1,162' Tc=7.6 min UI Adjusted CN=81 Runoff=23.44 cfs 1.493 af

Link 2L: DP1 Inflow=23.44 cfs 1.493 af
Primary=23.44 cfs 1.493 af

Total Runoff Area = 17.734 ac Runoff Volume = 1.493 af Average Runoff Depth = 1.01"
74.78% Pervious = 13.261 ac 25.22% Impervious = 4.473 ac

Summary for Subcatchment 1S: 1S

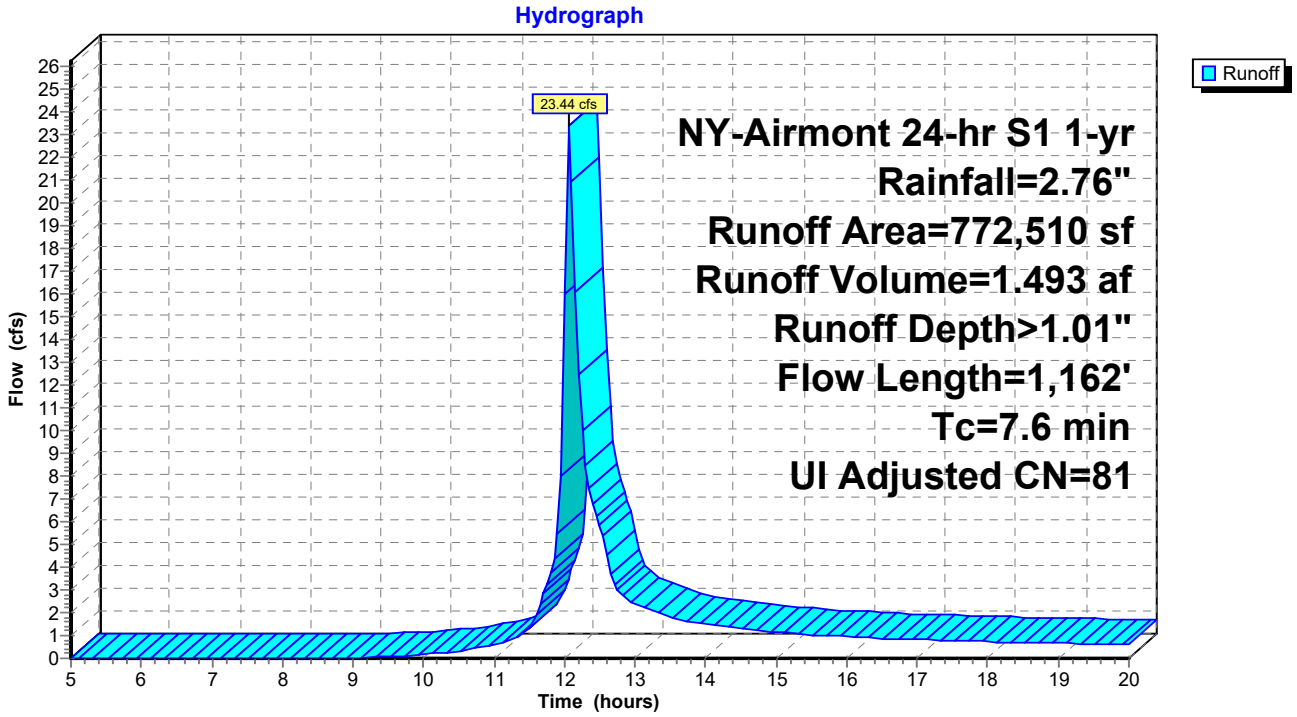
Runoff = 23.44 cfs @ 12.06 hrs, Volume= 1.493 af, Depth> 1.01"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Adj	Description
194,841	98		Unconnected pavement, HSG C
577,669	79		50-75% Grass cover, Fair, HSG C
772,510	84	81	Weighted Average, UI Adjusted
577,669			74.78% Pervious Area
194,841			25.22% Impervious Area
194,841			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	38	0.2500	0.40		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.4	62	0.1200	2.63		**Sheet Flow, SF2** Smooth surfaces n= 0.011 P2= 3.37"
0.3	53	0.0300	3.52		**Shallow Concentrated Flow, SCF1** Paved Kv= 20.3 fps
1.0	111	0.0650	1.78		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.9	245	0.0500	4.54		**Shallow Concentrated Flow, SCF3** Paved Kv= 20.3 fps
3.4	653	0.0400	3.22		**Shallow Concentrated Flow, SCF4** Unpaved Kv= 16.1 fps
7.6	1,162	Total			

Subcatchment 1S: 1S

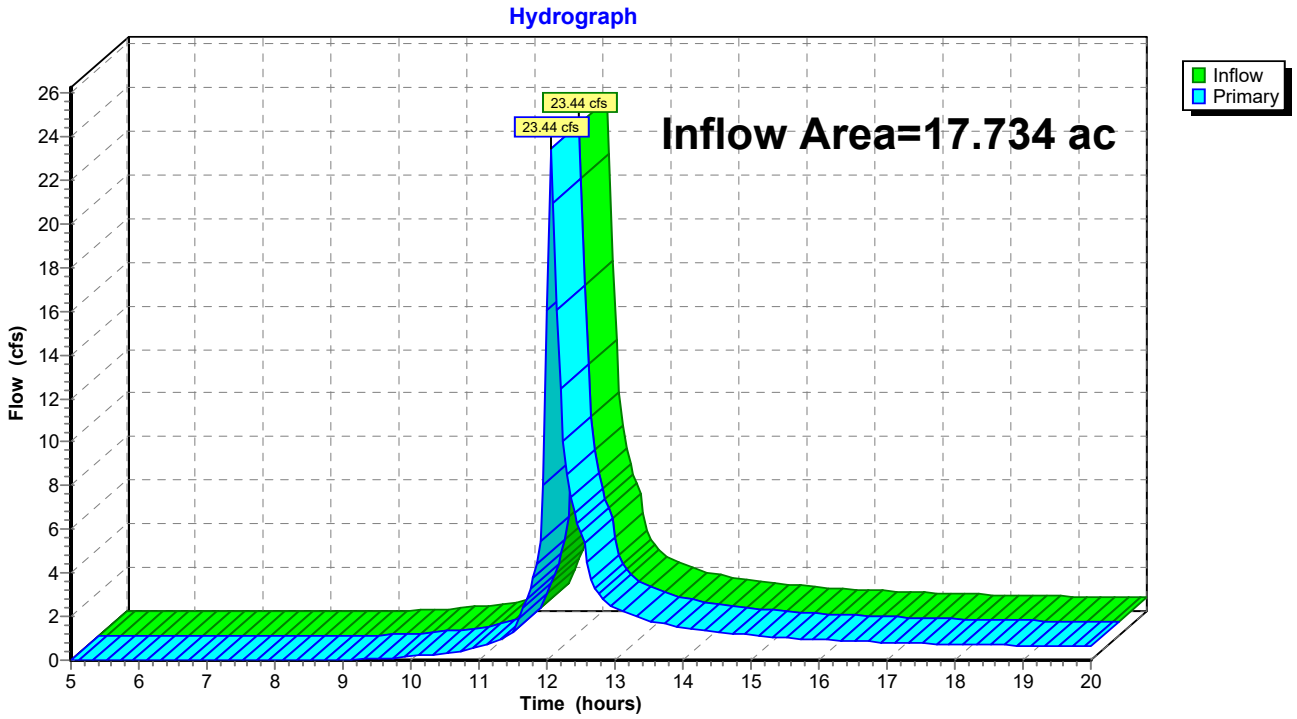


Summary for Link 2L: DP1

Inflow Area = 17.734 ac, 25.22% Impervious, Inflow Depth > 1.01" for 1-yr event
Inflow = 23.44 cfs @ 12.06 hrs, Volume= 1.493 af
Primary = 23.44 cfs @ 12.06 hrs, Volume= 1.493 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 2L: DP1



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

Subcatchment1S: 1S Runoff Area=772,510 sf 25.22% Impervious Runoff Depth>2.72"
Flow Length=1,162' Tc=7.6 min UI Adjusted CN=81 Runoff=56.71 cfs 4.017 af

Link 2L: DP1 Inflow=56.71 cfs 4.017 af
Primary=56.71 cfs 4.017 af

Total Runoff Area = 17.734 ac Runoff Volume = 4.017 af Average Runoff Depth = 2.72"
74.78% Pervious = 13.261 ac 25.22% Impervious = 4.473 ac

Summary for Subcatchment 1S: 1S

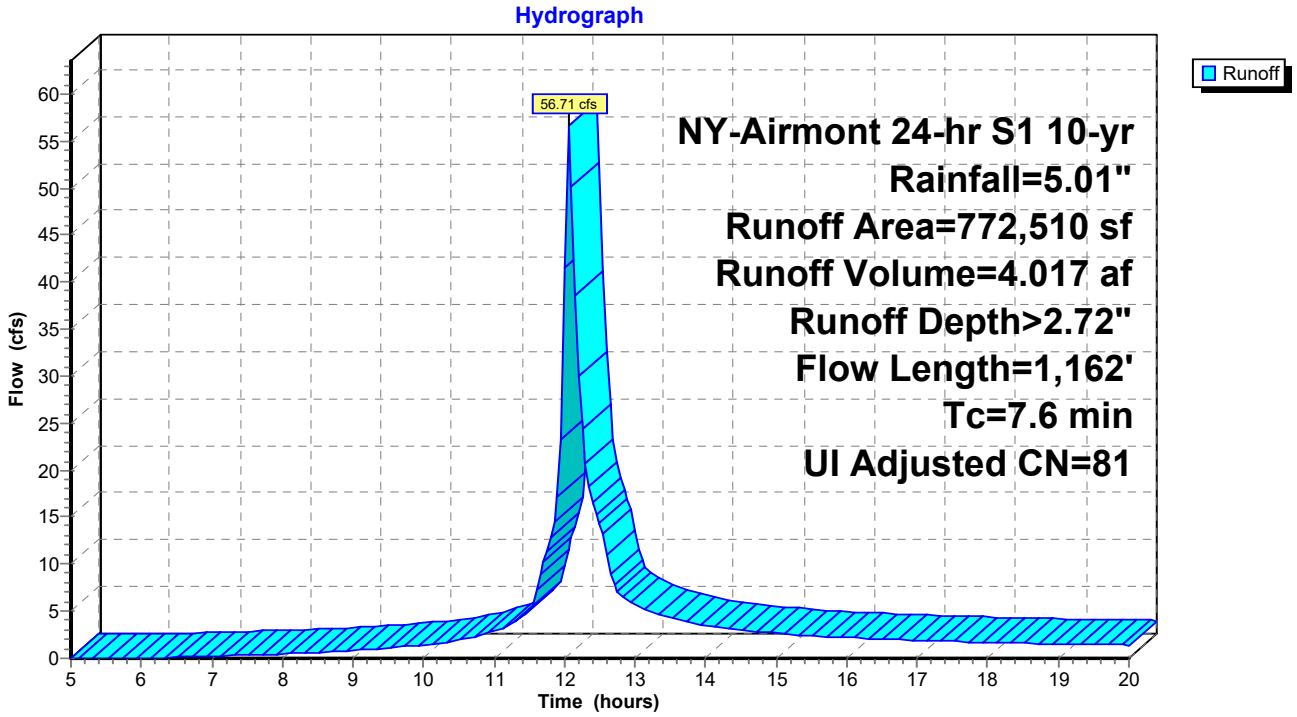
Runoff = 56.71 cfs @ 12.06 hrs, Volume= 4.017 af, Depth> 2.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Adj	Description
194,841	98		Unconnected pavement, HSG C
577,669	79		50-75% Grass cover, Fair, HSG C
772,510	84	81	Weighted Average, UI Adjusted
577,669			74.78% Pervious Area
194,841			25.22% Impervious Area
194,841			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	38	0.2500	0.40		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.4	62	0.1200	2.63		**Sheet Flow, SF2** Smooth surfaces n= 0.011 P2= 3.37"
0.3	53	0.0300	3.52		**Shallow Concentrated Flow, SCF1** Paved Kv= 20.3 fps
1.0	111	0.0650	1.78		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.9	245	0.0500	4.54		**Shallow Concentrated Flow, SCF3** Paved Kv= 20.3 fps
3.4	653	0.0400	3.22		**Shallow Concentrated Flow, SCF4** Unpaved Kv= 16.1 fps
7.6	1,162	Total			

Subcatchment 1S: 1S

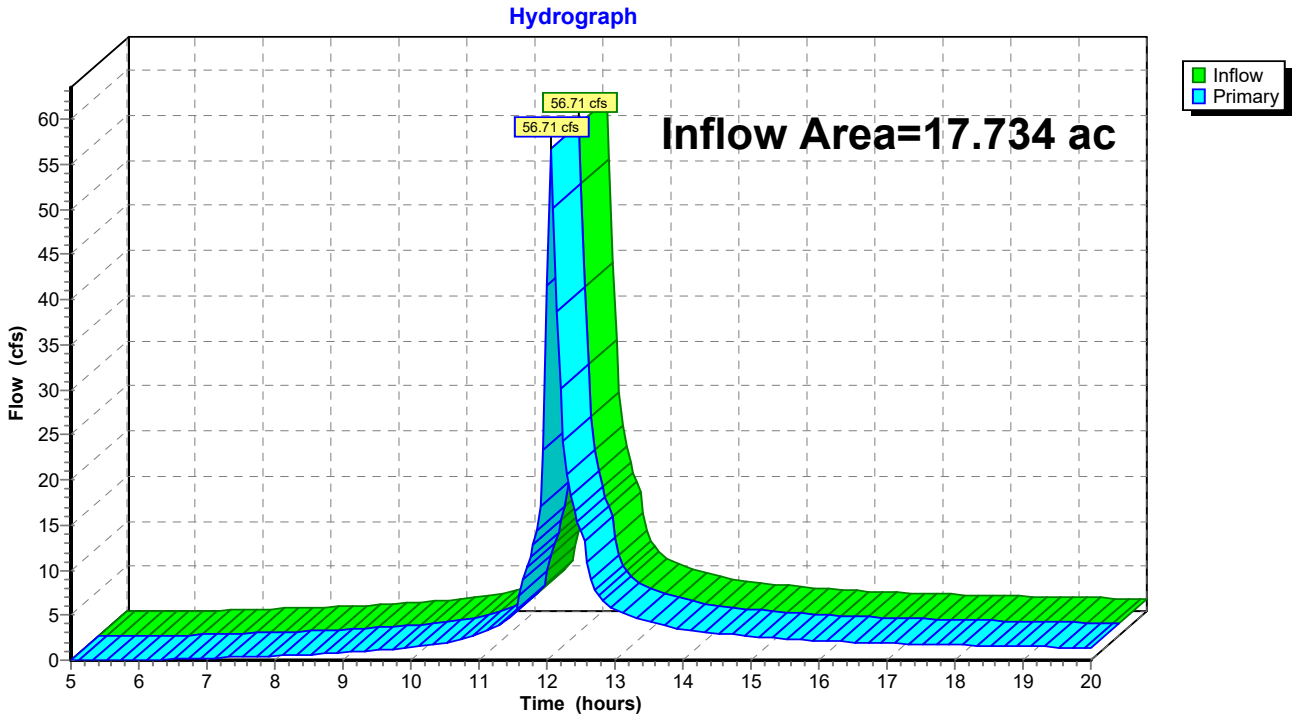


Summary for Link 2L: DP1

Inflow Area = 17.734 ac, 25.22% Impervious, Inflow Depth > 2.72" for 10-yr event
Inflow = 56.71 cfs @ 12.06 hrs, Volume= 4.017 af
Primary = 56.71 cfs @ 12.06 hrs, Volume= 4.017 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 2L: DP1



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

Subcatchment1S: 1S Runoff Area=772,510 sf 25.22% Impervious Runoff Depth>3.77"
Flow Length=1,162' Tc=7.6 min UI Adjusted CN=81 Runoff=74.83 cfs 5.576 af

Link 2L: DP1 Inflow=74.83 cfs 5.576 af
Primary=74.83 cfs 5.576 af

Total Runoff Area = 17.734 ac Runoff Volume = 5.576 af Average Runoff Depth = 3.77"
74.78% Pervious = 13.261 ac 25.22% Impervious = 4.473 ac

Summary for Subcatchment 1S: 1S

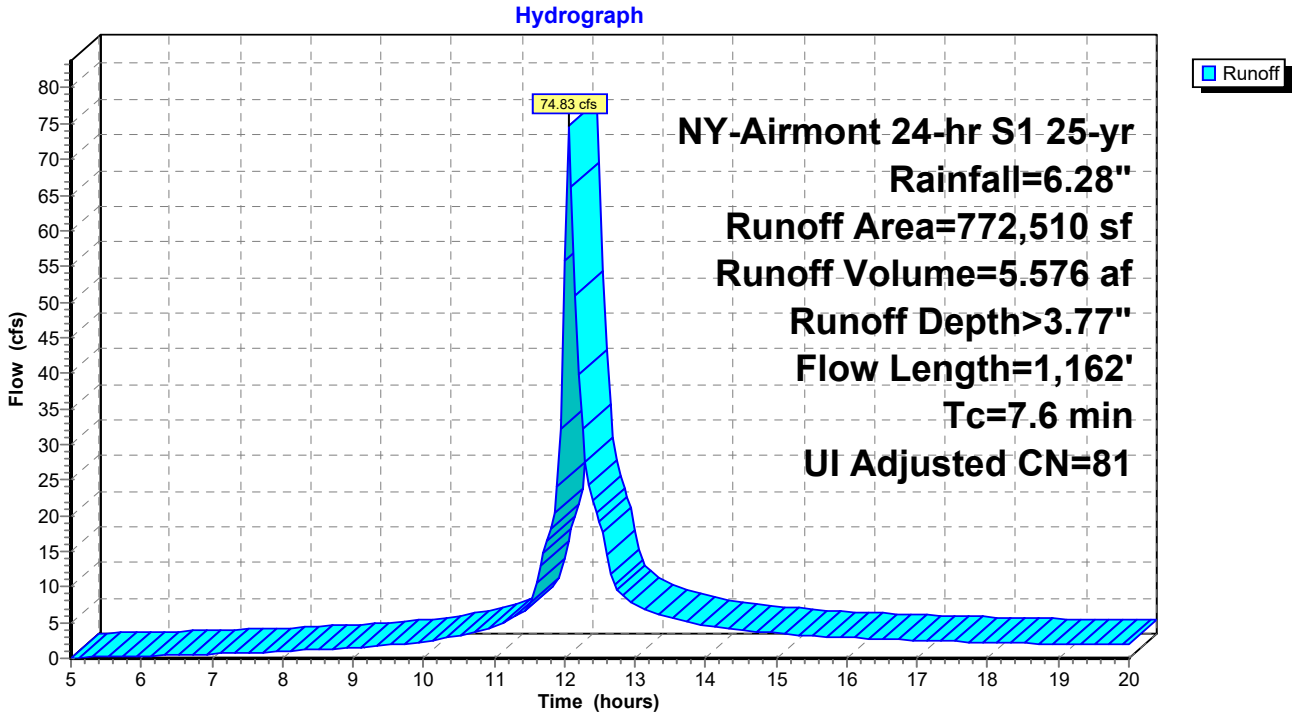
Runoff = 74.83 cfs @ 12.06 hrs, Volume= 5.576 af, Depth> 3.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Adj	Description
194,841	98		Unconnected pavement, HSG C
577,669	79		50-75% Grass cover, Fair, HSG C
772,510	84	81	Weighted Average, UI Adjusted
577,669			74.78% Pervious Area
194,841			25.22% Impervious Area
194,841			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	38	0.2500	0.40		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.4	62	0.1200	2.63		**Sheet Flow, SF2** Smooth surfaces n= 0.011 P2= 3.37"
0.3	53	0.0300	3.52		**Shallow Concentrated Flow, SCF1** Paved Kv= 20.3 fps
1.0	111	0.0650	1.78		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.9	245	0.0500	4.54		**Shallow Concentrated Flow, SCF3** Paved Kv= 20.3 fps
3.4	653	0.0400	3.22		**Shallow Concentrated Flow, SCF4** Unpaved Kv= 16.1 fps
7.6	1,162	Total			

Subcatchment 1S: 1S

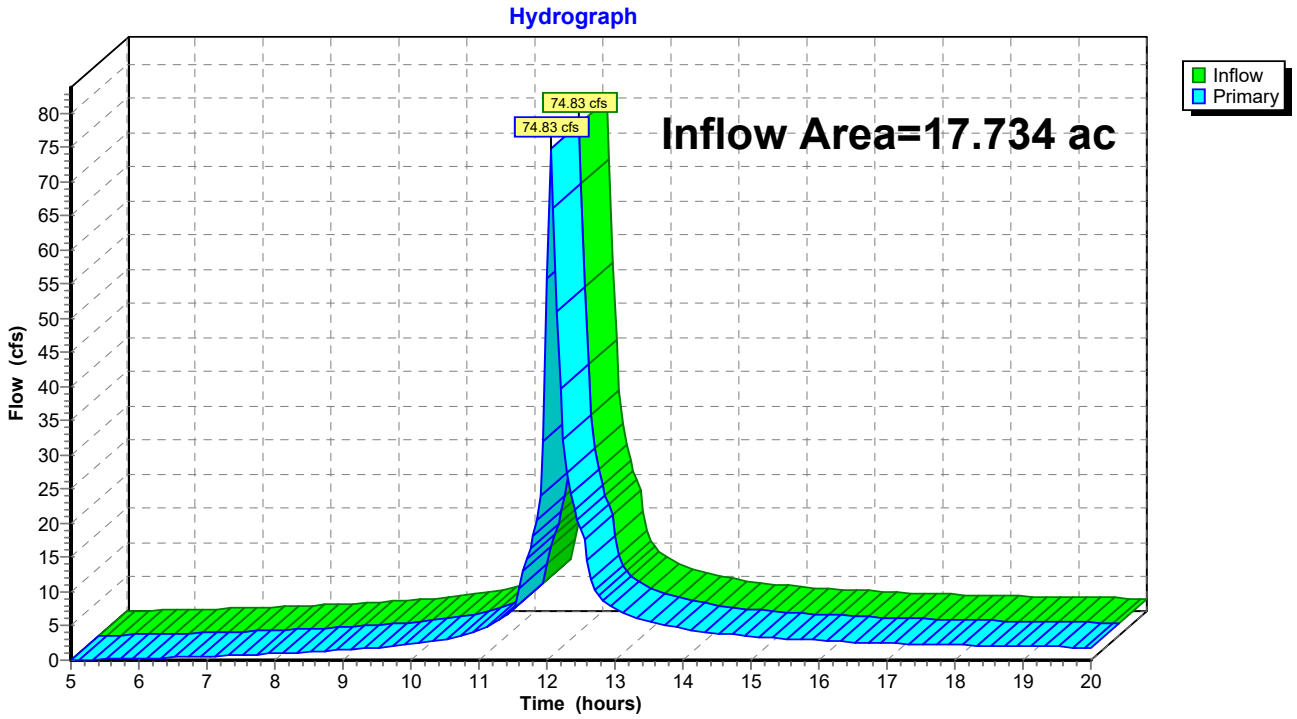


Summary for Link 2L: DP1

Inflow Area = 17.734 ac, 25.22% Impervious, Inflow Depth > 3.77" for 25-yr event
Inflow = 74.83 cfs @ 12.06 hrs, Volume= 5.576 af
Primary = 74.83 cfs @ 12.06 hrs, Volume= 5.576 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 2L: DP1



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

Subcatchment1S: 1S Runoff Area=772,510 sf 25.22% Impervious Runoff Depth>5.98"
Flow Length=1,162' Tc=7.6 min UI Adjusted CN=81 Runoff=109.39 cfs 8.839 af

Link 2L: DP1 Inflow=109.39 cfs 8.839 af
Primary=109.39 cfs 8.839 af

Total Runoff Area = 17.734 ac Runoff Volume = 8.839 af Average Runoff Depth = 5.98"
74.78% Pervious = 13.261 ac 25.22% Impervious = 4.473 ac

Summary for Subcatchment 1S: 1S

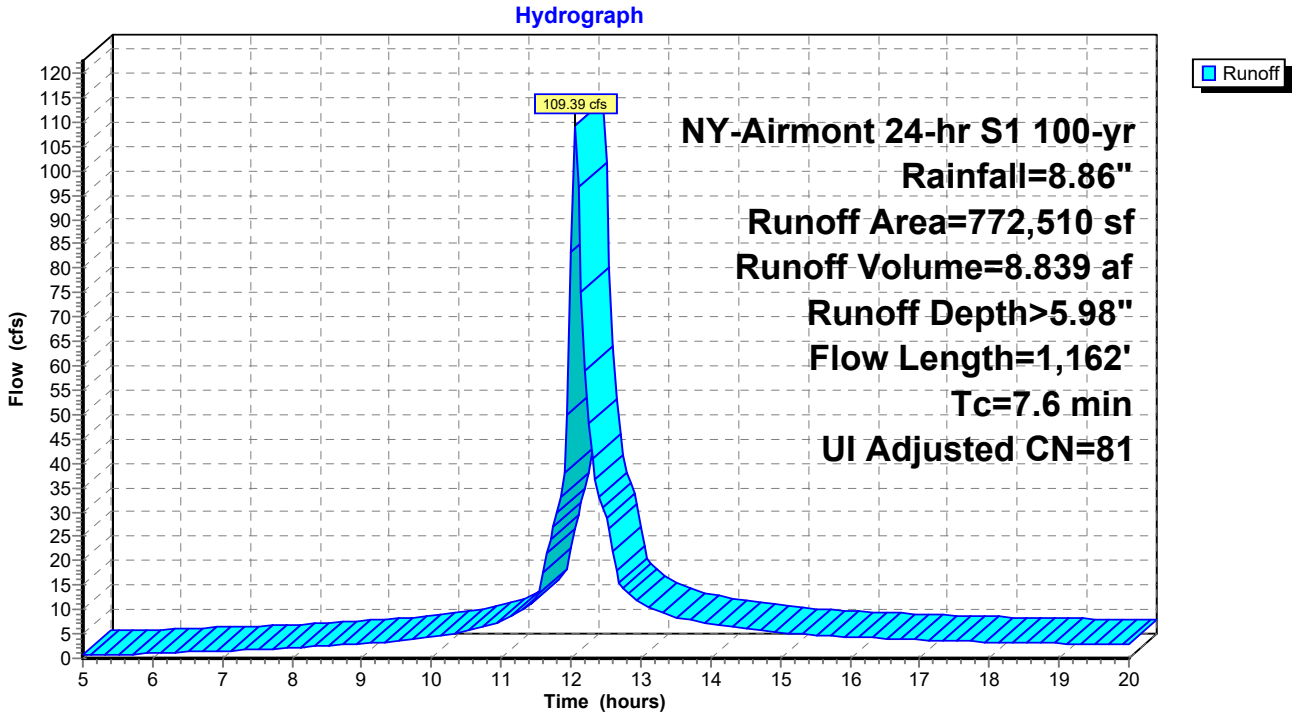
Runoff = 109.39 cfs @ 12.06 hrs, Volume= 8.839 af, Depth> 5.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Adj	Description
194,841	98		Unconnected pavement, HSG C
577,669	79		50-75% Grass cover, Fair, HSG C
772,510	84	81	Weighted Average, UI Adjusted
577,669			74.78% Pervious Area
194,841			25.22% Impervious Area
194,841			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	38	0.2500	0.40		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.4	62	0.1200	2.63		**Sheet Flow, SF2** Smooth surfaces n= 0.011 P2= 3.37"
0.3	53	0.0300	3.52		**Shallow Concentrated Flow, SCF1** Paved Kv= 20.3 fps
1.0	111	0.0650	1.78		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.9	245	0.0500	4.54		**Shallow Concentrated Flow, SCF3** Paved Kv= 20.3 fps
3.4	653	0.0400	3.22		**Shallow Concentrated Flow, SCF4** Unpaved Kv= 16.1 fps
7.6	1,162	Total			

Subcatchment 1S: 1S

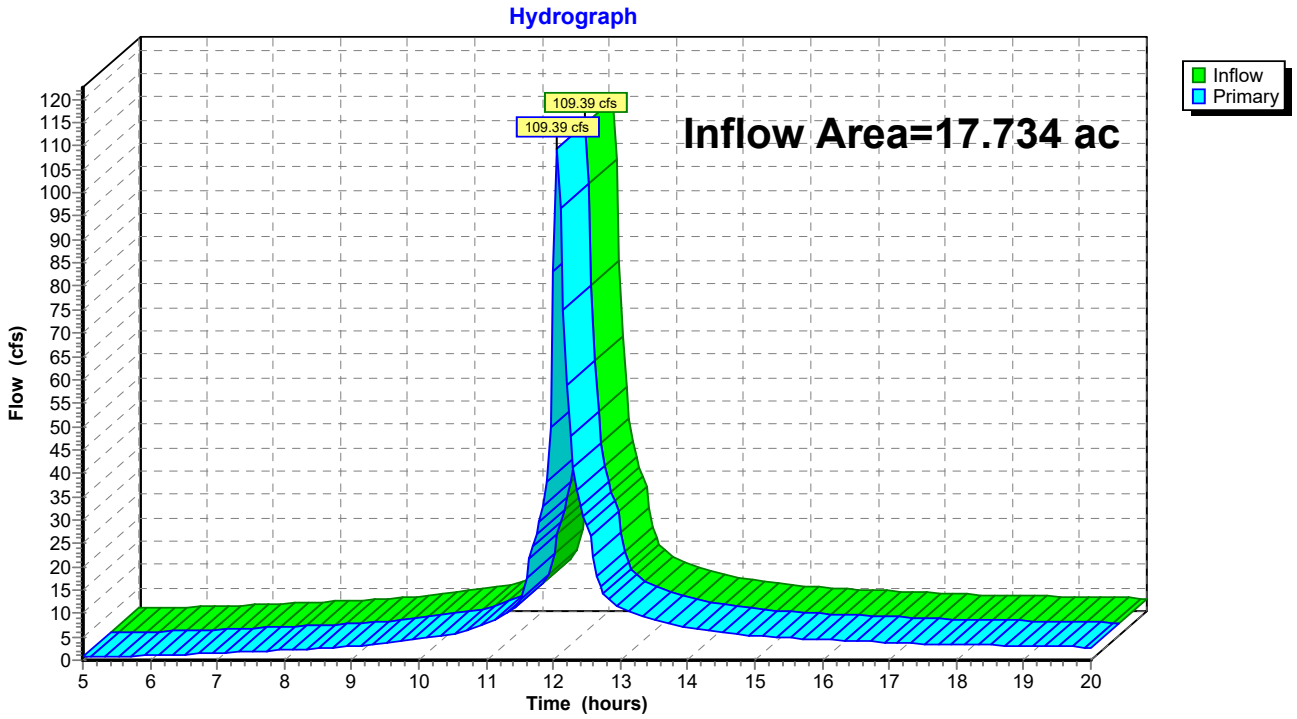


Summary for Link 2L: DP1

Inflow Area = 17.734 ac, 25.22% Impervious, Inflow Depth > 5.98" for 100-yr event
Inflow = 109.39 cfs @ 12.06 hrs, Volume= 8.839 af
Primary = 109.39 cfs @ 12.06 hrs, Volume= 8.839 af, Atten= 0%, Lag= 0.0 min

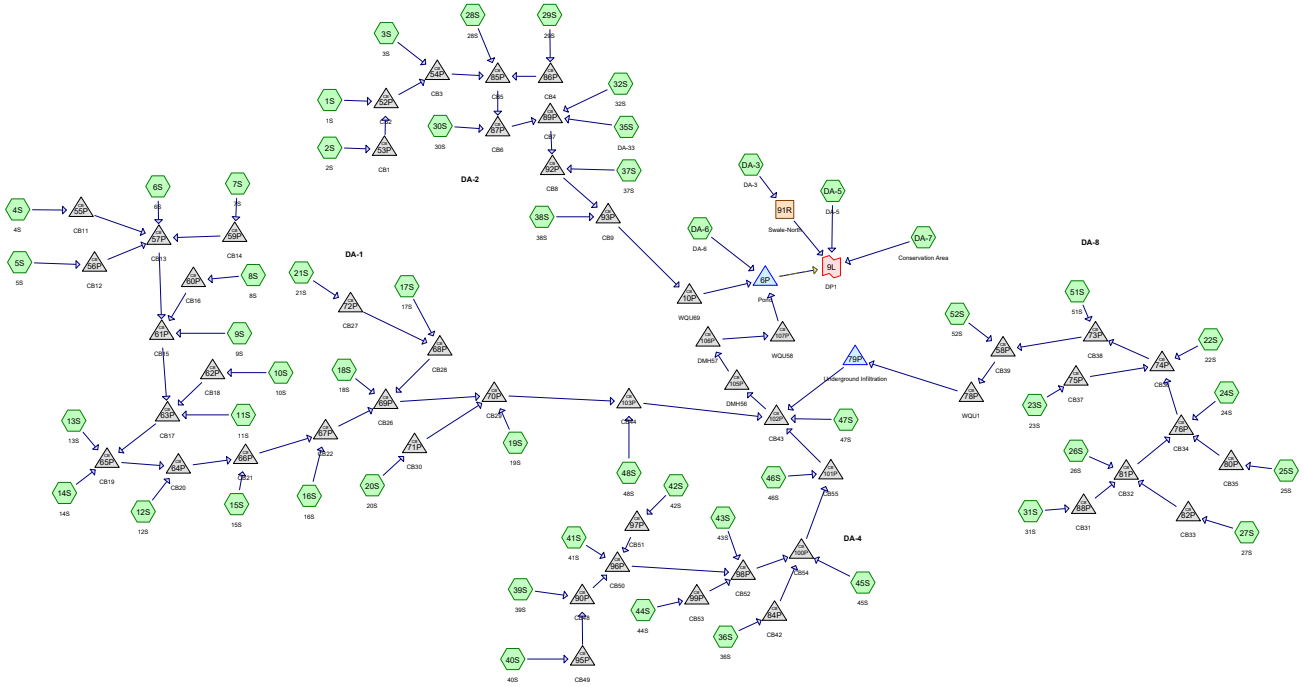
Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link 2L: DP1



Appendix F \

Post-HydroCAD Report



Routing Diagram for MJ1587 Post
Prepared by MJ Engineering , Printed 12/17/2024
HydroCAD® 10.00-22 s/n 04261 © 2018 HydroCAD Software Solutions LLC

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
9.138	74	>75% Grass cover, Good, HSG C (3S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 14S, 15S, 16S, 17S, 18S, 19S, 20S, 21S, 22S, 23S, 24S, 25S, 26S, 27S, 28S, 29S, 30S, 31S, 32S, 36S, 37S, 38S, 39S, 40S, 41S, 42S, 43S, 44S, 45S, 46S, 47S, 48S, 51S, 52S, DA-3, DA-5, DA-6, DA-7)
6.410	98	Paved parking, HSG C (1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 15S, 16S, 17S, 18S, 19S, 22S, 23S, 24S, 25S, 26S, 27S, 28S, 29S, 30S, 31S, 32S, 35S, 37S, 38S, 39S, 40S, 41S, 42S, 43S, 44S, 45S, 46S, 47S, 48S, 51S, 52S, DA-5, DA-6)
1.766	98	Unconnected pavement, HSG C (14S, 20S, 21S, 36S, DA-3)

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
17.314	HSG C	1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 14S, 15S, 16S, 17S, 18S, 19S, 20S, 21S, 22S, 23S, 24S, 25S, 26S, 27S, 28S, 29S, 30S, 31S, 32S, 35S, 36S, 37S, 38S, 39S, 40S, 41S, 42S, 43S, 44S, 45S, 46S, 47S, 48S, 51S, 52S, DA-3, DA-5, DA-6, DA-7
0.000	HSG D	
0.000	Other	

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	9.138	0.000	0.000	9.138	>75% Grass cover, Good	3S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 14S, 15S, 16S, 17S, 18S, 19S, 20S, 21S, 22S, 23S, 24S, 25S, 26S, 27S, 28S, 29S, 30S, 31S, 32S, 36S, 37S, 38S, 39S, 40S, 41S, 42S, 43S, 44S, 45S, 46S, 47S, 48S, 51S, 52S, DA-3, DA-5, DA-6, DA-7

Ground Covers (selected 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	6.410	0.000	0.000	6.410	Paved parking	1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 15S, 16S, 17S, 18S, 19S, 22S, 23S, 24S, 25S, 26S, 27S, 28S, 29S, 30S, 31S, 32S, 35S, 37S, 38S, 39S, 40S, 41S, 42S, 43S, 44S, 45S, 46S, 47S, 48S, 51S, 52S, DA-5, DA-6

Ground Covers (selected 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	1.766	0.000	0.000	1.766	Unconnected pavement	14S, 20S, 21S, 36S, DA-3

Pipe Listing (selected nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	10P	366.43	365.81	22.3	0.0278	0.013	18.0	0.0	0.0
2	52P	402.88	393.58	116.3	0.0800	0.013	12.0	0.0	0.0
3	53P	403.12	402.88	23.9	0.0100	0.013	12.0	0.0	0.0
4	54P	393.58	387.55	131.3	0.0459	0.013	12.0	0.0	0.0
5	55P	392.34	389.22	104.0	0.0300	0.013	15.0	0.0	0.0
6	56P	390.29	389.52	61.5	0.0125	0.013	12.0	0.0	0.0
7	57P	389.22	383.79	132.3	0.0410	0.013	24.0	0.0	0.0
8	58P	367.71	367.44	27.0	0.0100	0.013	24.0	0.0	0.0
9	59P	389.92	389.68	24.0	0.0100	0.013	12.0	0.0	0.0
10	60P	384.16	384.04	24.0	0.0050	0.013	12.0	0.0	0.0
11	61P	383.79	379.93	94.0	0.0411	0.013	15.0	0.0	0.0
12	62P	380.42	380.18	24.0	0.0100	0.013	12.0	0.0	0.0
13	63P	379.68	374.76	120.0	0.0410	0.013	18.0	0.0	0.0
14	64P	373.30	372.08	40.8	0.0299	0.013	18.0	0.0	0.0
15	65P	375.00	374.76	24.0	0.0100	0.013	24.0	0.0	0.0
16	66P	372.84	372.09	24.0	0.0313	0.013	24.0	0.0	0.0
17	67P	371.59	367.38	76.5	0.0550	0.013	24.0	0.0	0.0
18	68P	368.85	368.63	24.0	0.0092	0.013	12.0	0.0	0.0
19	69P	367.38	365.93	72.2	0.0201	0.013	24.0	0.0	0.0
20	70P	364.93	363.31	325.0	0.0050	0.013	36.0	0.0	0.0
21	71P	366.05	365.93	24.0	0.0050	0.013	24.0	0.0	0.0
22	72P	369.27	368.95	31.9	0.0100	0.013	12.0	0.0	0.0
23	73P	367.95	367.74	24.0	0.0087	0.013	18.0	0.0	0.0
24	74P	370.20	366.84	105.1	0.0320	0.013	15.0	0.0	0.0
25	75P	371.39	371.15	24.0	0.0100	0.013	12.0	0.0	0.0
26	76P	373.81	370.45	102.4	0.0328	0.013	15.0	0.0	0.0
27	78P	367.44	367.37	14.0	0.0050	0.013	24.0	0.0	0.0
28	79P	370.12	366.80	103.0	0.0322	0.013	12.0	0.0	0.0
29	80P	374.65	374.41	24.0	0.0100	0.013	12.0	0.0	0.0
30	81P	377.41	377.17	24.0	0.0100	0.013	12.0	0.0	0.0
31	82P	377.17	369.02	113.7	0.0717	0.013	15.0	0.0	0.0
32	84P	366.95	366.57	98.0	0.0039	0.013	18.0	0.0	0.0
33	85P	387.55	380.95	144.9	0.0455	0.013	12.0	0.0	0.0
34	86P	387.79	387.55	24.0	0.0100	0.013	12.0	0.0	0.0
35	87P	380.95	374.31	146.0	0.0455	0.013	12.0	0.0	0.0
36	88P	381.21	377.41	149.0	0.0255	0.013	12.0	0.0	0.0
37	89P	374.06	367.34	147.7	0.0455	0.013	12.0	0.0	0.0
38	90P	370.37	369.13	123.7	0.0100	0.013	15.0	0.0	0.0
39	92P	367.34	367.10	24.0	0.0100	0.013	15.0	0.0	0.0
40	93P	366.97	366.43	35.7	0.0151	0.013	18.0	0.0	0.0
41	95P	370.94	370.70	24.0	0.0100	0.013	12.0	0.0	0.0

Pipe Listing (selected nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
42	96P	368.84	367.74	120.0	0.0092	0.013	18.0	0.0	0.0
43	97P	369.18	368.94	24.0	0.0100	0.013	12.0	0.0	0.0
44	98P	367.54	366.57	114.0	0.0085	0.013	18.0	0.0	0.0
45	99P	367.95	367.71	24.0	0.0100	0.013	12.0	0.0	0.0
46	100P	366.07	365.95	24.0	0.0050	0.013	30.0	0.0	0.0
47	101P	365.95	364.31	24.0	0.0683	0.013	30.0	0.0	0.0
48	102P	362.31	362.05	52.2	0.0050	0.013	48.0	0.0	0.0
49	103P	363.28	363.02	52.5	0.0050	0.013	36.0	0.0	0.0
50	105P	362.24	361.75	97.7	0.0050	0.013	48.0	0.0	0.0
51	106P	361.55	361.17	77.5	0.0049	0.013	48.0	0.0	0.0
52	107P	361.17	360.83	67.3	0.0051	0.013	48.0	0.0	0.0

Time span=0.00-60.00 hrs, dt=0.01 hrs, 6001 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: 1S Runoff Area=2,402 sf 100.00% Impervious Runoff Depth=2.53"
Tc=6.0 min CN=98 Runoff=0.17 cfs 0.012 af

Subcatchment2S: 2S Runoff Area=950 sf 100.00% Impervious Runoff Depth=2.53"
Tc=6.0 min CN=98 Runoff=0.07 cfs 0.005 af

Subcatchment3S: 3S Runoff Area=7,934 sf 79.47% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.49 cfs 0.031 af

Subcatchment4S: 4S Runoff Area=1,832 sf 100.00% Impervious Runoff Depth=2.53"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.009 af

Subcatchment5S: 5S Runoff Area=6,456 sf 14.93% Impervious Runoff Depth=0.96"
Tc=6.0 min CN=78 Runoff=0.18 cfs 0.012 af

Subcatchment6S: 6S Runoff Area=13,000 sf 69.32% Impervious Runoff Depth=1.85"
Tc=6.0 min CN=91 Runoff=0.74 cfs 0.046 af

Subcatchment7S: 7S Runoff Area=6,040 sf 79.57% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.37 cfs 0.023 af

Subcatchment8S: 8S Runoff Area=8,525 sf 81.20% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.52 cfs 0.033 af

Subcatchment9S: 9S Runoff Area=8,672 sf 67.26% Impervious Runoff Depth=1.77"
Tc=6.0 min CN=90 Runoff=0.47 cfs 0.029 af

Subcatchment10S: 10S Runoff Area=5,790 sf 74.92% Impervious Runoff Depth=1.94"
Tc=6.0 min CN=92 Runoff=0.34 cfs 0.021 af

Subcatchment11S: 11S Runoff Area=5,768 sf 76.75% Impervious Runoff Depth=1.94"
Tc=6.0 min CN=92 Runoff=0.34 cfs 0.021 af

Subcatchment12S: 12S Runoff Area=9,851 sf 79.43% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.60 cfs 0.038 af

Subcatchment13S: 13S Runoff Area=8,998 sf 80.37% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.55 cfs 0.035 af

Subcatchment14S: 14S Runoff Area=34,531 sf 28.83% Impervious Runoff Depth=0.91"
Flow Length=477' Tc=11.4 min UI Adjusted CN=77 Runoff=0.69 cfs 0.060 af

Subcatchment15S: 15S Runoff Area=3,642 sf 97.56% Impervious Runoff Depth=2.42"
Tc=6.0 min CN=97 Runoff=0.25 cfs 0.017 af

Subcatchment16S: 16S Runoff Area=7,332 sf 81.61% Impervious Runoff Depth=2.12"
Tc=6.0 min CN=94 Runoff=0.47 cfs 0.030 af

Subcatchment17S: 17S Runoff Area=1,125 sf 86.40% Impervious Runoff Depth=2.22"
Tc=6.0 min CN=95 Runoff=0.07 cfs 0.005 af

Subcatchment18S: 18S Runoff Area=4,934 sf 80.26% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.30 cfs 0.019 af

Subcatchment19S: 19S Runoff Area=15,000 sf 80.72% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.92 cfs 0.058 af

Subcatchment20S: 20S Runoff Area=12,423 sf 61.49% Impervious Runoff Depth=1.68"
Tc=6.0 min CN=89 Runoff=0.64 cfs 0.040 af

Subcatchment21S: 21S Runoff Area=47,588 sf 40.96% Impervious Runoff Depth=1.32"
Flow Length=532' Tc=15.3 min CN=84 Runoff=1.29 cfs 0.120 af

Subcatchment22S: 22S Runoff Area=6,979 sf 84.42% Impervious Runoff Depth=2.12"
Tc=6.0 min CN=94 Runoff=0.44 cfs 0.028 af

Subcatchment23S: 23S Runoff Area=6,339 sf 78.42% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.39 cfs 0.025 af

Subcatchment24S: 24S Runoff Area=6,480 sf 78.29% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.40 cfs 0.025 af

Subcatchment25S: 25S Runoff Area=5,527 sf 78.18% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.34 cfs 0.021 af

Subcatchment26S: 26S Runoff Area=11,496 sf 71.13% Impervious Runoff Depth=1.85"
Tc=6.0 min CN=91 Runoff=0.65 cfs 0.041 af

Subcatchment27S: 27S Runoff Area=10,664 sf 79.74% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.65 cfs 0.041 af

Subcatchment28S: 28S Runoff Area=7,932 sf 75.84% Impervious Runoff Depth=1.94"
Tc=6.0 min CN=92 Runoff=0.47 cfs 0.029 af

Subcatchment29S: 29S Runoff Area=1,994 sf 86.01% Impervious Runoff Depth=2.22"
Tc=6.0 min CN=95 Runoff=0.13 cfs 0.008 af

Subcatchment30S: 30S Runoff Area=8,277 sf 80.34% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.51 cfs 0.032 af

Subcatchment31S: 31S Runoff Area=1,994 sf 89.62% Impervious Runoff Depth=2.32"
Tc=6.0 min CN=96 Runoff=0.13 cfs 0.009 af

Subcatchment32S: 32S Runoff Area=10,403 sf 78.57% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.64 cfs 0.040 af

Subcatchment35S: DA-33 Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=2.53"
Tc=0.0 min CN=98 Runoff=0.36 cfs 0.021 af

Subcatchment36S: 36S Runoff Area=50,955 sf 40.77% Impervious Runoff Depth=1.32"
Flow Length=482' Tc=16.9 min CN=84 Runoff=1.31 cfs 0.129 af

Subcatchment37S: 37S Runoff Area=8,850 sf 79.86% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.54 cfs 0.034 af

Subcatchment38S: 38S Runoff Area=2,178 sf 89.99% Impervious Runoff Depth=2.32"
Tc=6.0 min CN=96 Runoff=0.15 cfs 0.010 af

Subcatchment39S: 39S Runoff Area=11,479 sf 71.29% Impervious Runoff Depth=1.85"
Tc=6.0 min CN=91 Runoff=0.65 cfs 0.041 af

Subcatchment40S: 40S Runoff Area=7,985 sf 85.26% Impervious Runoff Depth=2.12"
Tc=6.0 min CN=94 Runoff=0.51 cfs 0.032 af

Subcatchment41S: 41S Runoff Area=7,826 sf 77.29% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.48 cfs 0.030 af

Subcatchment42S: 42S Runoff Area=6,802 sf 76.35% Impervious Runoff Depth=1.94"
Tc=6.0 min CN=92 Runoff=0.40 cfs 0.025 af

Subcatchment43S: 43S Runoff Area=7,562 sf 84.44% Impervious Runoff Depth=2.12"
Tc=6.0 min CN=94 Runoff=0.48 cfs 0.031 af

Subcatchment44S: 44S Runoff Area=8,519 sf 78.50% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.52 cfs 0.033 af

Subcatchment45S: 45S Runoff Area=7,264 sf 68.08% Impervious Runoff Depth=1.77"
Tc=6.0 min CN=90 Runoff=0.39 cfs 0.025 af

Subcatchment46S: 46S Runoff Area=6,807 sf 76.79% Impervious Runoff Depth=1.94"
Tc=6.0 min CN=92 Runoff=0.40 cfs 0.025 af

Subcatchment47S: 47S Runoff Area=10,360 sf 79.63% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.63 cfs 0.040 af

Subcatchment48S: 48S Runoff Area=15,279 sf 76.31% Impervious Runoff Depth=1.94"
Tc=6.0 min CN=92 Runoff=0.90 cfs 0.057 af

Subcatchment51S: 51S Runoff Area=6,539 sf 70.65% Impervious Runoff Depth=1.85"
Tc=6.0 min CN=91 Runoff=0.37 cfs 0.023 af

Subcatchment52S: 52S Runoff Area=8,056 sf 80.70% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=93 Runoff=0.49 cfs 0.031 af

SubcatchmentDA-3: DA-3 Runoff Area=63,072 sf 30.24% Impervious Runoff Depth=1.13"
Flow Length=838' Tc=13.9 min CN=81 Runoff=1.50 cfs 0.137 af

SubcatchmentDA-5: DA-5 Runoff Area=37,899 sf 37.79% Impervious Runoff Depth=1.26"
Flow Length=400' Tc=10.4 min CN=83 Runoff=1.16 cfs 0.091 af

Subcatchment DA-6: DA-6 Runoff Area=52,424 sf 38.71% Impervious Runoff Depth=1.26"
Tc=6.0 min CN=83 Runoff=2.00 cfs 0.126 af

Subcatchment DA-7: Conservation Area Runoff Area=139,093 sf 0.00% Impervious Runoff Depth=0.76"
Tc=6.0 min CN=74 Runoff=2.88 cfs 0.202 af

Reach 91R: Swale-North Avg. Flow Depth=0.16' Max Vel=3.30 fps Inflow=1.50 cfs 0.137 af
n=0.022 L=540.0' S=0.0463 '/' Capacity=72.68 cfs Outflow=1.44 cfs 0.137 af

Pond 6P: Pond Peak Elev=364.62' Storage=13,451 cf Inflow=19.51 cfs 1.433 af
Outflow=17.30 cfs 1.423 af

Pond 10P: WQU69 Peak Elev=367.42' Inflow=3.29 cfs 0.222 af
18.0" Round Culvert n=0.013 L=22.3' S=0.0278 '/' Outflow=3.29 cfs 0.222 af

Pond 52P: CB2 Peak Elev=403.15' Inflow=0.24 cfs 0.016 af
12.0" Round Culvert n=0.013 L=116.3' S=0.0800 '/' Outflow=0.24 cfs 0.016 af

Pond 53P: CB1 Peak Elev=403.28' Inflow=0.07 cfs 0.005 af
12.0" Round Culvert n=0.013 L=23.9' S=0.0100 '/' Outflow=0.07 cfs 0.005 af

Pond 54P: CB3 Peak Elev=394.07' Inflow=0.72 cfs 0.047 af
12.0" Round Culvert n=0.013 L=131.3' S=0.0459 '/' Outflow=0.72 cfs 0.047 af

Pond 55P: CB11 Peak Elev=392.52' Inflow=0.13 cfs 0.009 af
15.0" Round Culvert n=0.013 L=104.0' S=0.0300 '/' Outflow=0.13 cfs 0.009 af

Pond 56P: CB12 Peak Elev=390.52' Inflow=0.18 cfs 0.012 af
12.0" Round Culvert n=0.013 L=61.5' S=0.0125 '/' Outflow=0.18 cfs 0.012 af

Pond 57P: CB13 Peak Elev=389.77' Inflow=1.41 cfs 0.090 af
24.0" Round Culvert n=0.013 L=132.3' S=0.0410 '/' Outflow=1.41 cfs 0.090 af

Pond 58P: CB39 Peak Elev=368.85' Inflow=3.87 cfs 0.245 af
24.0" Round Culvert n=0.013 L=27.0' S=0.0100 '/' Outflow=3.87 cfs 0.245 af

Pond 59P: CB14 Peak Elev=390.26' Inflow=0.37 cfs 0.023 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.37 cfs 0.023 af

Pond 60P: CB16 Peak Elev=384.78' Inflow=0.52 cfs 0.033 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=0.52 cfs 0.033 af

Pond 61P: CB15 Peak Elev=384.69' Inflow=2.41 cfs 0.152 af
15.0" Round Culvert n=0.013 L=94.0' S=0.0411 '/' Outflow=2.41 cfs 0.152 af

Pond 62P: CB18 Peak Elev=380.80' Inflow=0.34 cfs 0.021 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.34 cfs 0.021 af

Pond 63P: CB17 Peak Elev=380.63' Inflow=3.09 cfs 0.195 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0410 '/' Outflow=3.09 cfs 0.195 af

Pond 64P: CB20 Peak Elev=374.57' Inflow=4.72 cfs 0.328 af
18.0" Round Culvert n=0.013 L=40.8' S=0.0299 '/' Outflow=4.72 cfs 0.328 af

Pond 65P: CB19 Peak Elev=376.02' Inflow=4.12 cfs 0.290 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=4.12 cfs 0.290 af

Pond 66P: CB21 Peak Elev=373.94' Inflow=4.97 cfs 0.345 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0313 '/' Outflow=4.97 cfs 0.345 af

Pond 67P: CB22 Peak Elev=372.75' Inflow=5.44 cfs 0.375 af
24.0" Round Culvert n=0.013 L=76.5' S=0.0550 '/' Outflow=5.44 cfs 0.375 af

Pond 68P: CB28 Peak Elev=369.56' Inflow=1.32 cfs 0.125 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0092 '/' Outflow=1.32 cfs 0.125 af

Pond 69P: CB26 Peak Elev=368.67' Inflow=6.55 cfs 0.519 af
24.0" Round Culvert n=0.013 L=72.2' S=0.0201 '/' Outflow=6.55 cfs 0.519 af

Pond 70P: CB29 Peak Elev=366.33' Inflow=8.10 cfs 0.617 af
36.0" Round Culvert n=0.013 L=325.0' S=0.0050 '/' Outflow=8.10 cfs 0.617 af

Pond 71P: CB30 Peak Elev=366.49' Inflow=0.64 cfs 0.040 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=0.64 cfs 0.040 af

Pond 72P: CB27 Peak Elev=369.97' Inflow=1.29 cfs 0.120 af
12.0" Round Culvert n=0.013 L=31.9' S=0.0100 '/' Outflow=1.29 cfs 0.120 af

Pond 73P: CB38 Peak Elev=369.18' Inflow=3.38 cfs 0.213 af
18.0" Round Culvert n=0.013 L=24.0' S=0.0087 '/' Outflow=3.38 cfs 0.213 af

Pond 74P: CB36 Peak Elev=371.24' Inflow=3.01 cfs 0.190 af
15.0" Round Culvert n=0.013 L=105.1' S=0.0320 '/' Outflow=3.01 cfs 0.190 af

Pond 75P: CB37 Peak Elev=371.74' Inflow=0.39 cfs 0.025 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.39 cfs 0.025 af

Pond 76P: CB34 Peak Elev=374.65' Inflow=2.18 cfs 0.137 af
15.0" Round Culvert n=0.013 L=102.4' S=0.0328 '/' Outflow=2.18 cfs 0.137 af

Pond 78P: WQU1 Peak Elev=368.52' Inflow=3.87 cfs 0.245 af
24.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=3.87 cfs 0.245 af

Pond 79P: Underground Infiltration Peak Elev=367.68' Storage=3,045 cf Inflow=3.87 cfs 0.245 af
Discarded=0.46 cfs 0.245 af Primary=0.00 cfs 0.000 af Outflow=0.46 cfs 0.245 af

Pond 80P: CB35 Peak Elev=374.97' Inflow=0.34 cfs 0.021 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.34 cfs 0.021 af

Pond 81P: CB32 Peak Elev=378.15' Inflow=1.44 cfs 0.091 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.44 cfs 0.091 af

Pond 82P: CB33 Peak Elev=378.19' Inflow=0.65 cfs 0.041 af
15.0" Round Culvert n=0.013 L=113.7' S=0.0717 '/' Outflow=0.66 cfs 0.041 af

Pond 84P: CB42 Peak Elev=367.59' Inflow=1.31 cfs 0.129 af
18.0" Round Culvert n=0.013 L=98.0' S=0.0039 '/' Outflow=1.31 cfs 0.129 af

Pond 85P: CB5 Peak Elev=388.25' Inflow=1.32 cfs 0.085 af
12.0" Round Culvert n=0.013 L=144.9' S=0.0455 '/' Outflow=1.32 cfs 0.085 af

Pond 86P: CB4 Peak Elev=388.26' Inflow=0.13 cfs 0.008 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.13 cfs 0.008 af

Pond 87P: CB6 Peak Elev=381.82' Inflow=1.83 cfs 0.117 af
12.0" Round Culvert n=0.013 L=146.0' S=0.0455 '/' Outflow=1.83 cfs 0.117 af

Pond 88P: CB31 Peak Elev=381.41' Inflow=0.13 cfs 0.009 af
12.0" Round Culvert n=0.013 L=149.0' S=0.0255 '/' Outflow=0.13 cfs 0.009 af

Pond 89P: CB7 Peak Elev=375.32' Inflow=2.60 cfs 0.178 af
12.0" Round Culvert n=0.013 L=147.7' S=0.0455 '/' Outflow=2.60 cfs 0.178 af

Pond 90P: CB48 Peak Elev=370.95' Inflow=1.16 cfs 0.073 af
15.0" Round Culvert n=0.013 L=123.7' S=0.0100 '/' Outflow=1.16 cfs 0.073 af

Pond 92P: CB8 Peak Elev=368.45' Inflow=3.14 cfs 0.213 af
15.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=3.14 cfs 0.213 af

Pond 93P: CB9 Peak Elev=367.93' Inflow=3.29 cfs 0.222 af
18.0" Round Culvert n=0.013 L=35.7' S=0.0151 '/' Outflow=3.29 cfs 0.222 af

Pond 95P: CB49 Peak Elev=371.34' Inflow=0.51 cfs 0.032 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.51 cfs 0.032 af

Pond 96P: CB50 Peak Elev=369.59' Inflow=2.04 cfs 0.128 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0092 '/' Outflow=2.04 cfs 0.128 af

Pond 97P: CB51 Peak Elev=369.68' Inflow=0.40 cfs 0.025 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.40 cfs 0.025 af

Pond 98P: CB52 Peak Elev=368.48' Inflow=3.04 cfs 0.192 af
18.0" Round Culvert n=0.013 L=114.0' S=0.0085 '/' Outflow=3.04 cfs 0.192 af

Pond 99P: CB53 Peak Elev=368.57' Inflow=0.52 cfs 0.033 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.52 cfs 0.033 af

Pond 100P: CB54 Peak Elev=367.18' Inflow=4.10 cfs 0.345 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=4.10 cfs 0.345 af

Pond 101P: CB55 Peak Elev=366.90' Inflow=4.50 cfs 0.371 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0683 '/' Outflow=4.50 cfs 0.371 af

Pond 102P: CB43 Peak Elev=365.04' Inflow=14.25 cfs 1.084 af
48.0" Round Culvert n=0.013 L=52.2' S=0.0050 '/' Outflow=14.29 cfs 1.084 af

Pond 103P: CB44 Peak Elev=365.26' Inflow=9.00 cfs 0.674 af
36.0" Round Culvert n=0.013 L=52.5' S=0.0050 '/' Outflow=9.12 cfs 0.674 af

Pond 105P: DMH56 Peak Elev=364.91' Inflow=14.29 cfs 1.084 af
48.0" Round Culvert n=0.013 L=97.7' S=0.0050 '/' Outflow=14.37 cfs 1.084 af

Pond 106P: DMH57 Peak Elev=364.77' Inflow=14.37 cfs 1.084 af
48.0" Round Culvert n=0.013 L=77.5' S=0.0049 '/' Outflow=14.53 cfs 1.084 af

Pond 107P: WQU58 Peak Elev=364.68' Inflow=14.53 cfs 1.085 af
48.0" Round Culvert n=0.013 L=67.3' S=0.0051 '/' Outflow=14.23 cfs 1.085 af

Link 9L: DP1 Inflow=21.89 cfs 1.853 af
Primary=21.89 cfs 1.853 af

Summary for Subcatchment 1S: 1S

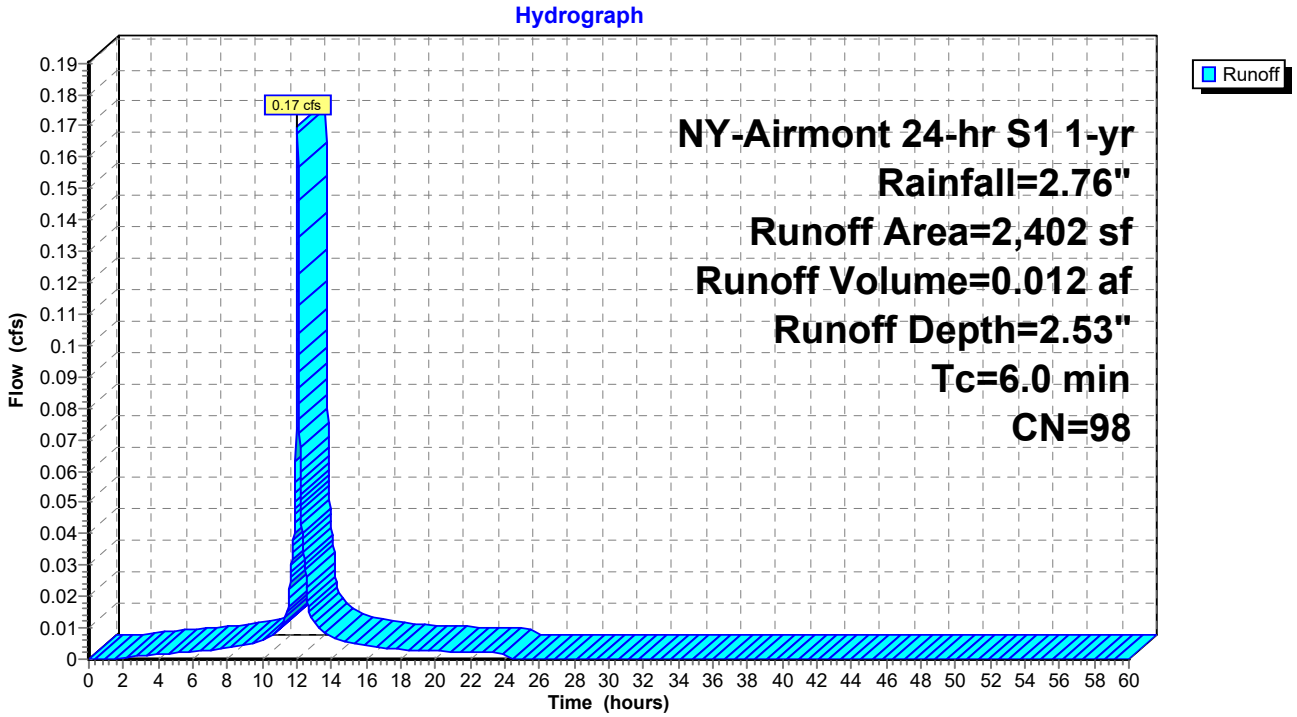
Runoff = 0.17 cfs @ 12.04 hrs, Volume= 0.012 af, Depth= 2.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
2,402	98	Paved parking, HSG C
2,402		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 1S: 1S



Summary for Subcatchment 2S: 2S

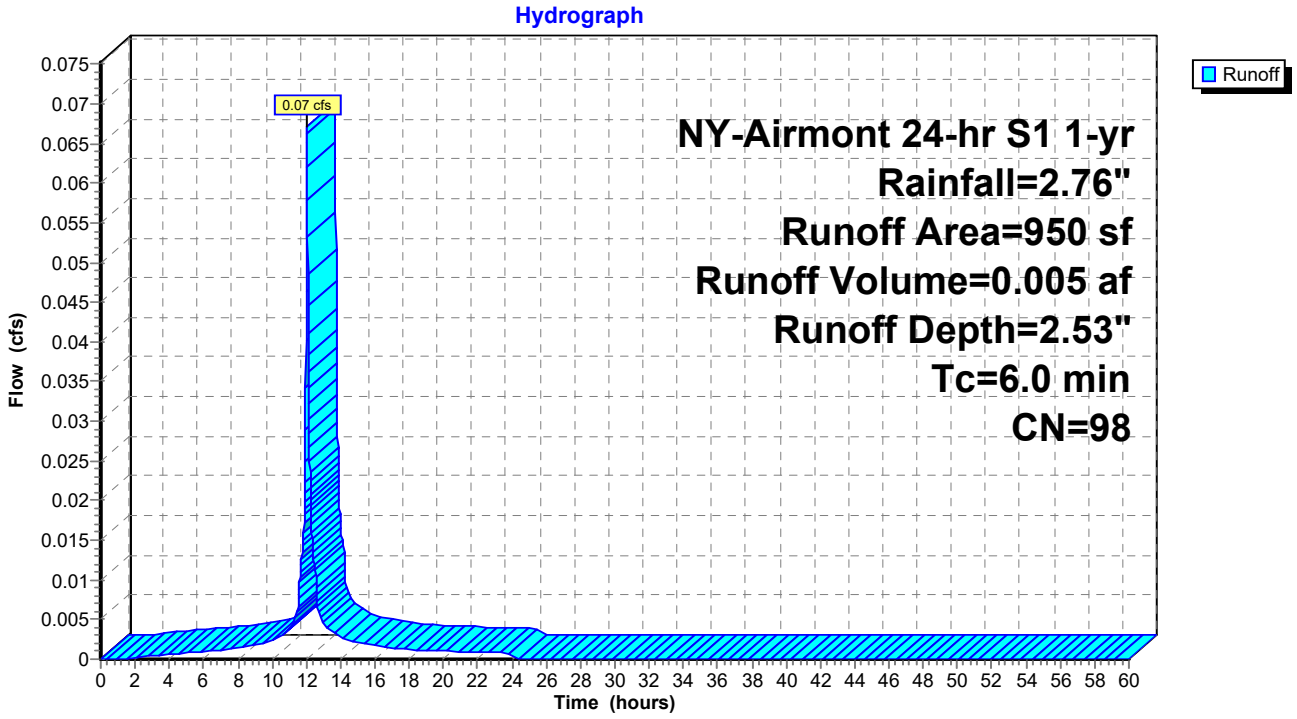
Runoff = 0.07 cfs @ 12.04 hrs, Volume= 0.005 af, Depth= 2.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
950	98	Paved parking, HSG C
950		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 2S: 2S



Summary for Subcatchment 3S: 3S

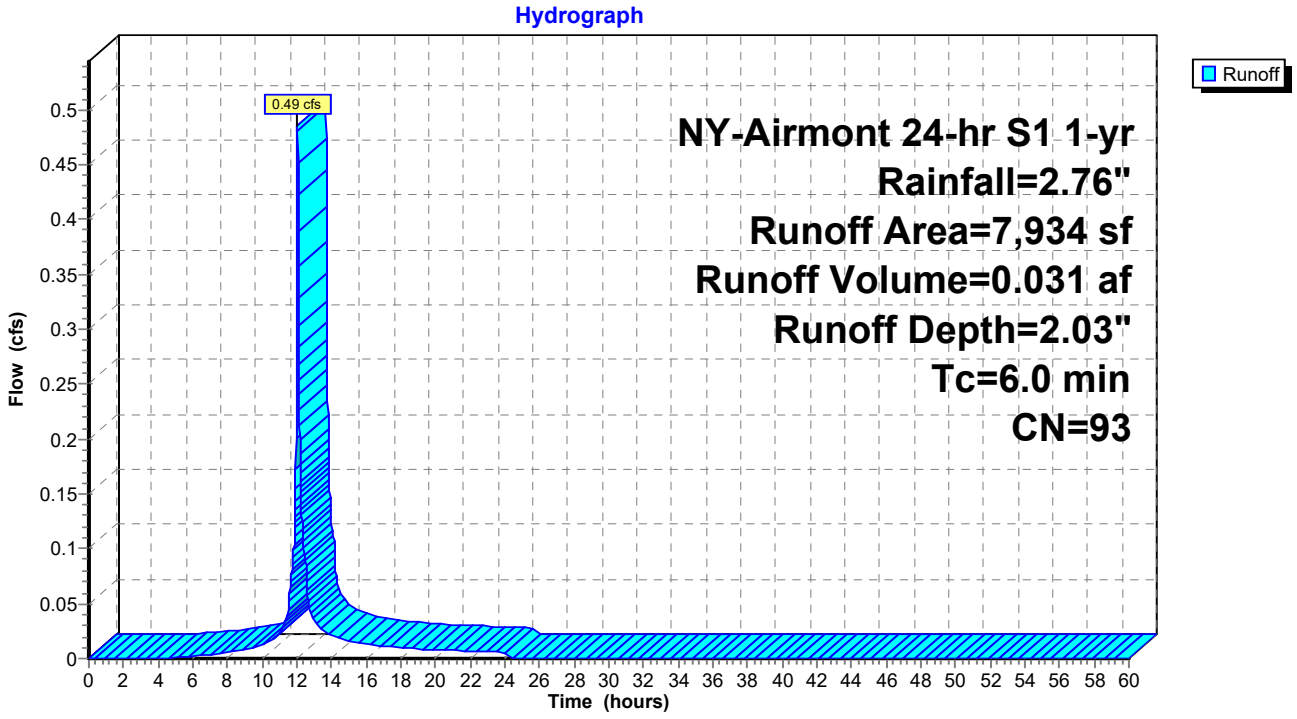
Runoff = 0.49 cfs @ 12.04 hrs, Volume= 0.031 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,629	74	>75% Grass cover, Good, HSG C
6,305	98	Paved parking, HSG C
7,934	93	Weighted Average
1,629		20.53% Pervious Area
6,305		79.47% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 3S: 3S



Summary for Subcatchment 4S: 4S

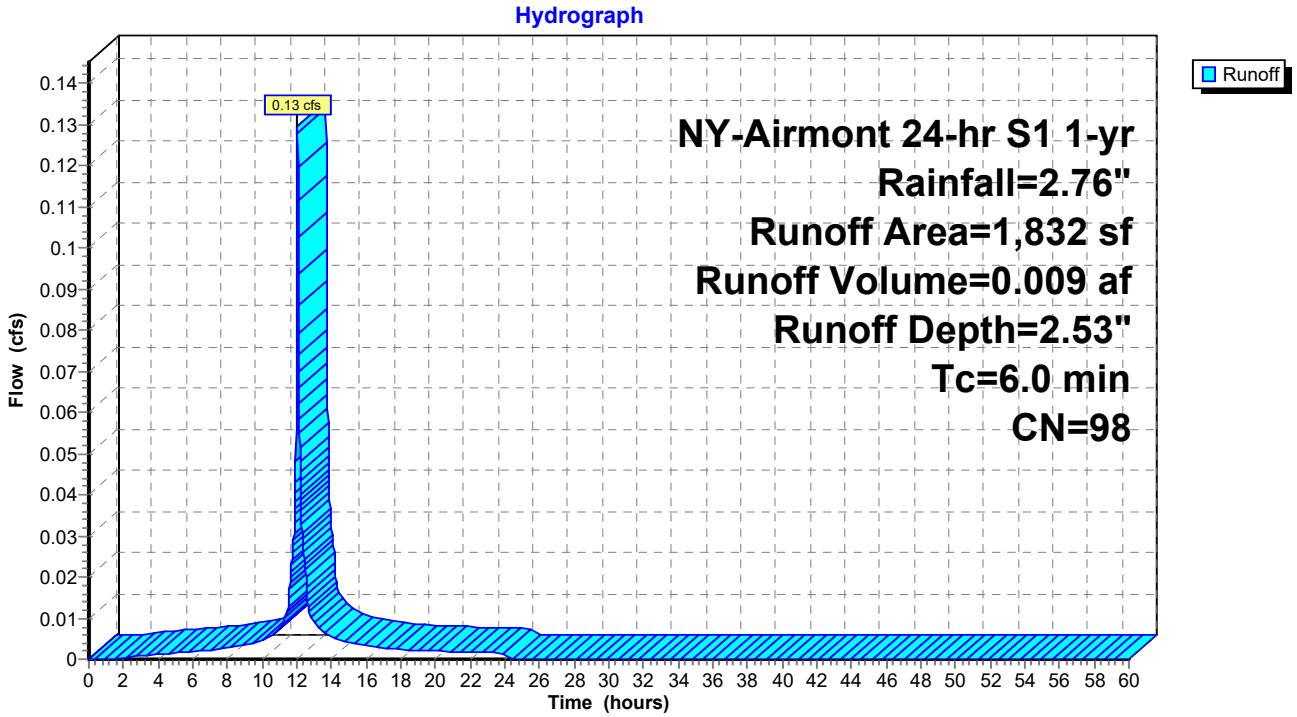
Runoff = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af, Depth= 2.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,832	98	Paved parking, HSG C
1,832		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 4S: 4S



Summary for Subcatchment 5S: 5S

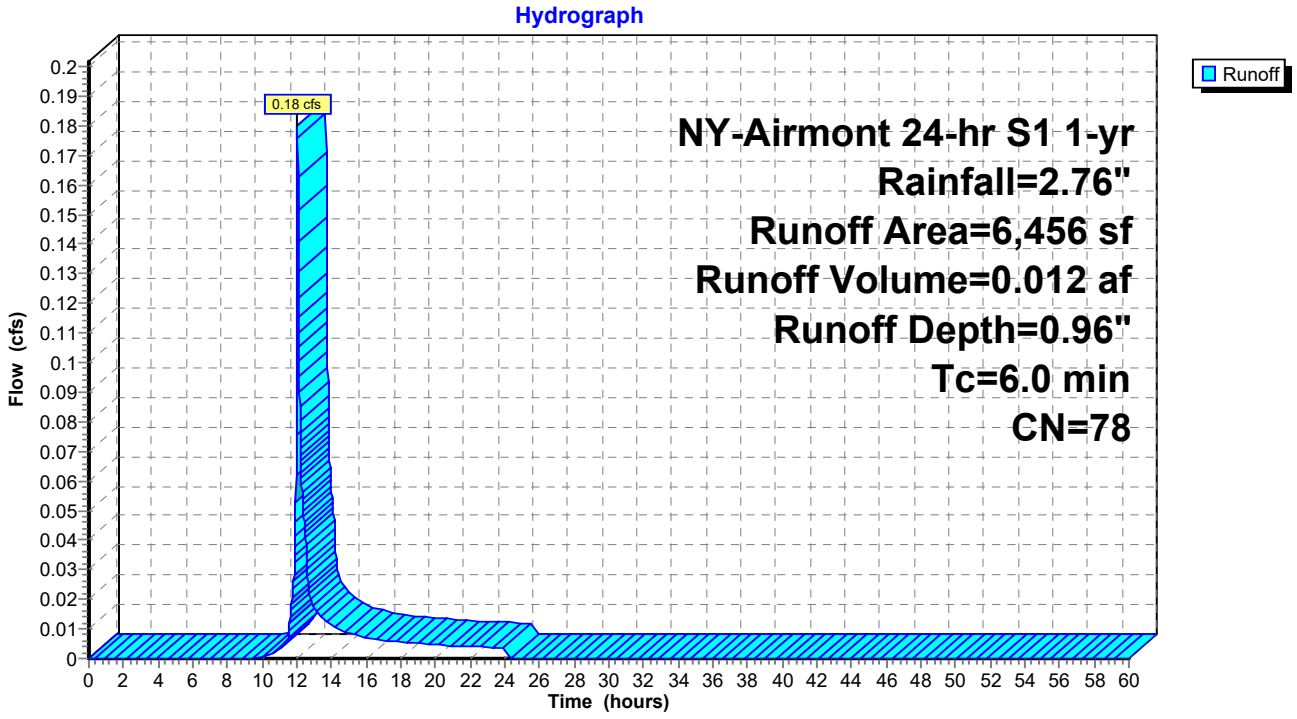
Runoff = 0.18 cfs @ 12.04 hrs, Volume= 0.012 af, Depth= 0.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
964	98	Paved parking, HSG C
5,492	74	>75% Grass cover, Good, HSG C
6,456	78	Weighted Average
5,492		85.07% Pervious Area
964		14.93% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 5S: 5S



Summary for Subcatchment 6S: 6S

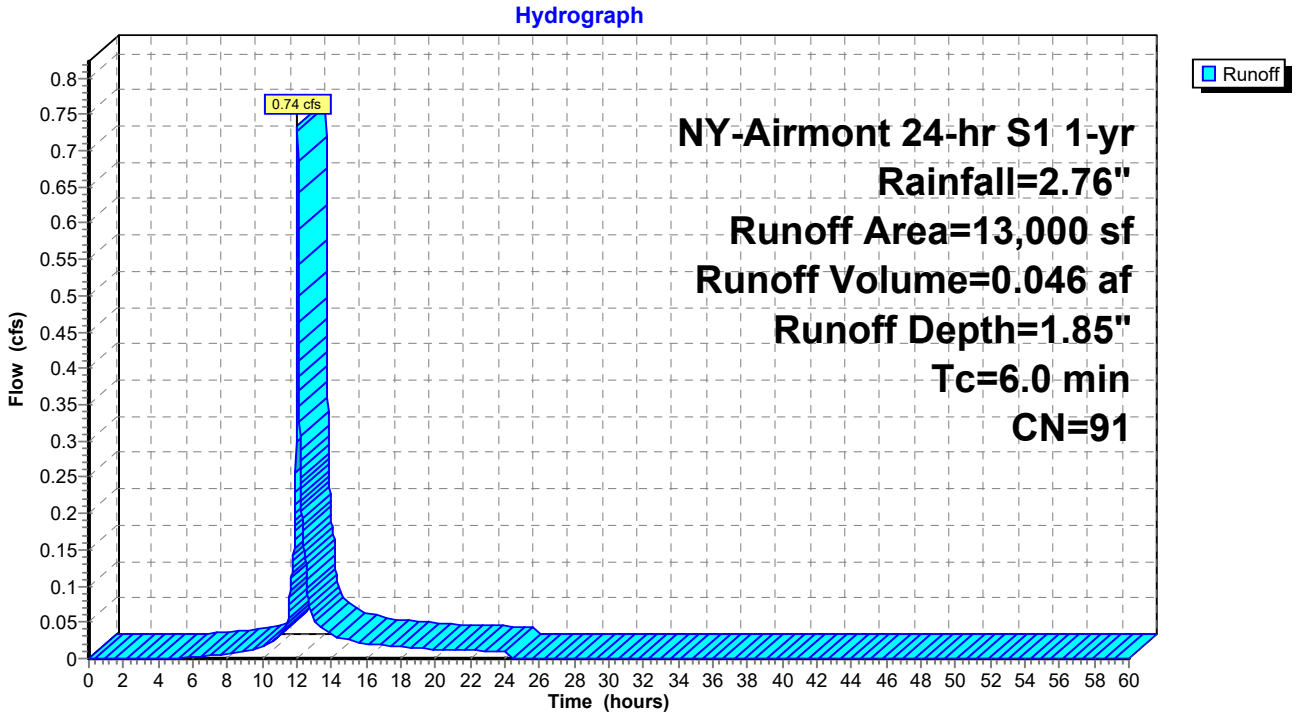
Runoff = 0.74 cfs @ 12.04 hrs, Volume= 0.046 af, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
3,988	74	>75% Grass cover, Good, HSG C
9,012	98	Paved parking, HSG C
13,000	91	Weighted Average
3,988		30.68% Pervious Area
9,012		69.32% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 6S: 6S



Summary for Subcatchment 7S: 7S

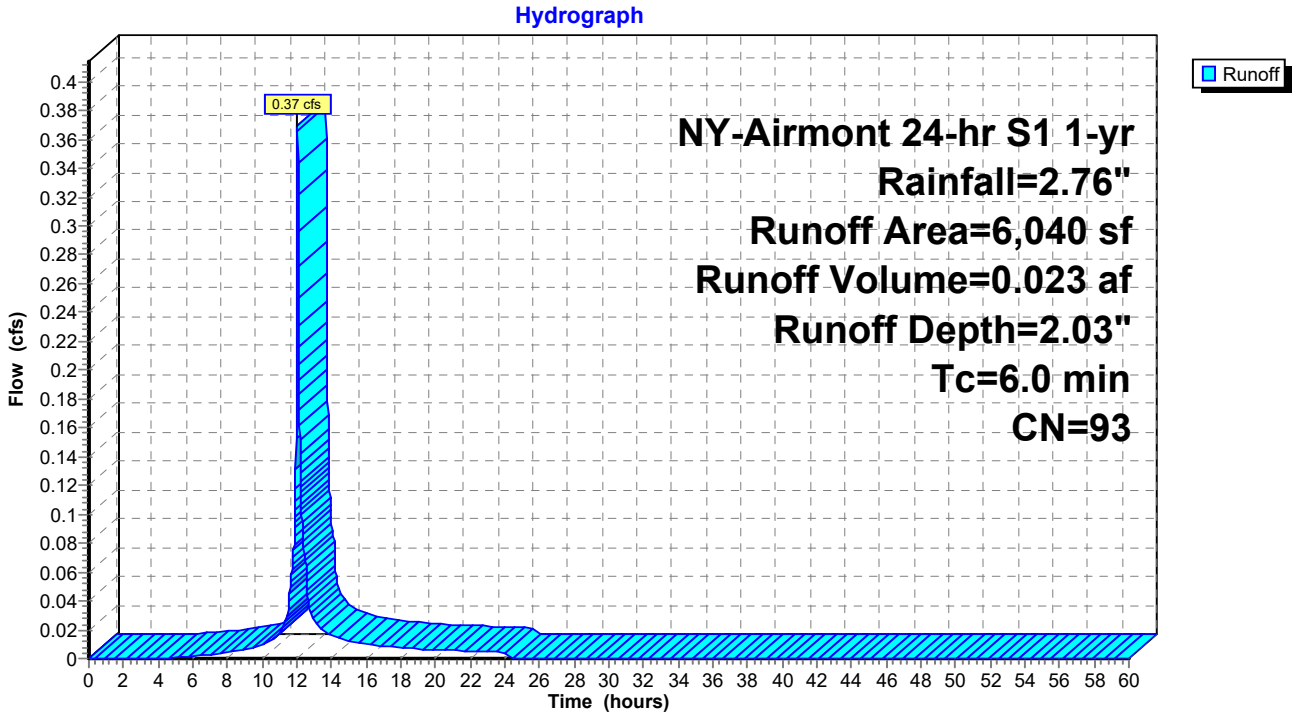
Runoff = 0.37 cfs @ 12.04 hrs, Volume= 0.023 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,234	74	>75% Grass cover, Good, HSG C
4,806	98	Paved parking, HSG C
6,040	93	Weighted Average
1,234		20.43% Pervious Area
4,806		79.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 7S: 7S



Summary for Subcatchment 8S: 8S

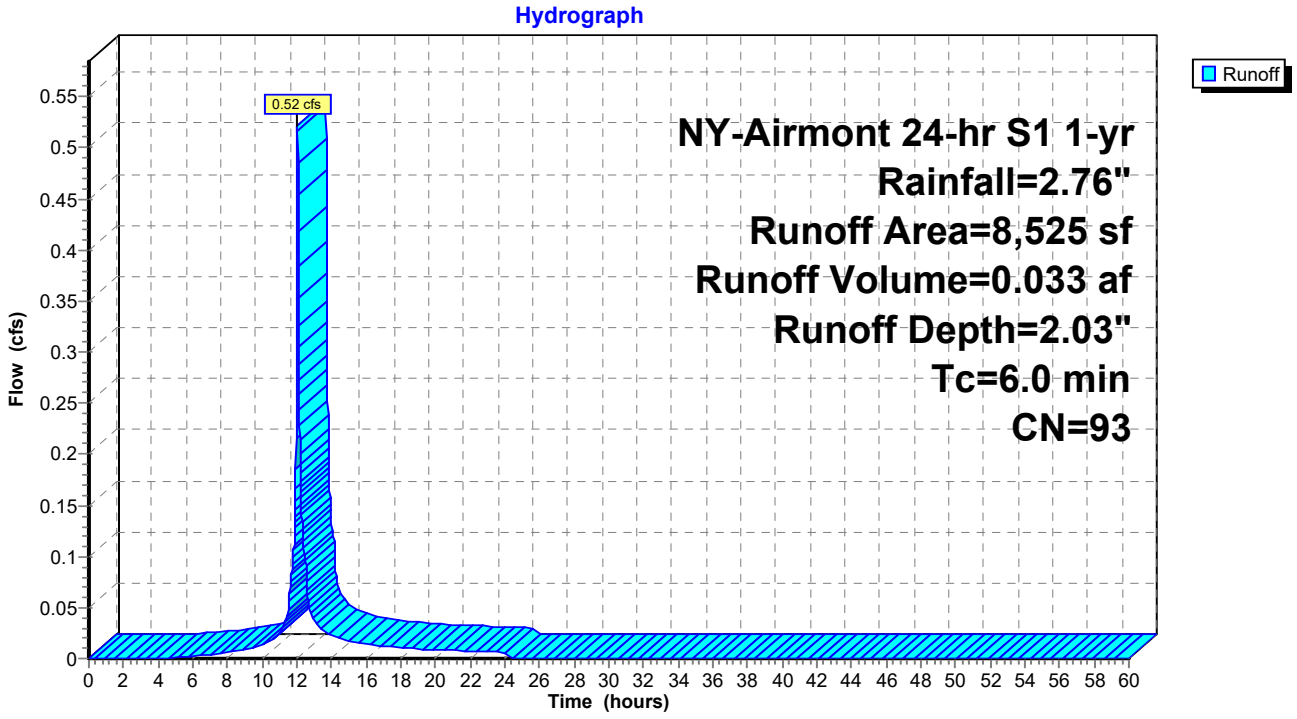
Runoff = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,603	74	>75% Grass cover, Good, HSG C
6,922	98	Paved parking, HSG C
8,525	93	Weighted Average
1,603		18.80% Pervious Area
6,922		81.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 8S: 8S



Summary for Subcatchment 9S: 9S

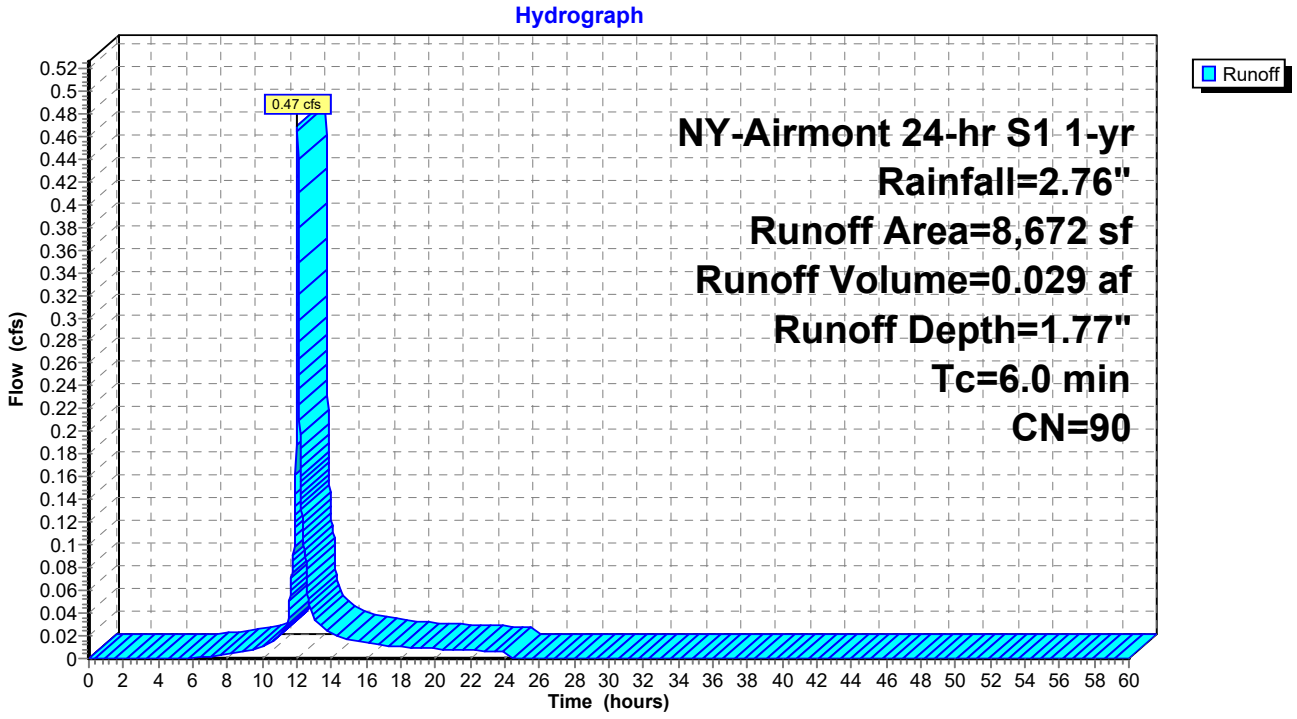
Runoff = 0.47 cfs @ 12.04 hrs, Volume= 0.029 af, Depth= 1.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
2,839	74	>75% Grass cover, Good, HSG C
5,833	98	Paved parking, HSG C
8,672	90	Weighted Average
2,839		32.74% Pervious Area
5,833		67.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 9S: 9S



Summary for Subcatchment 10S: 10S

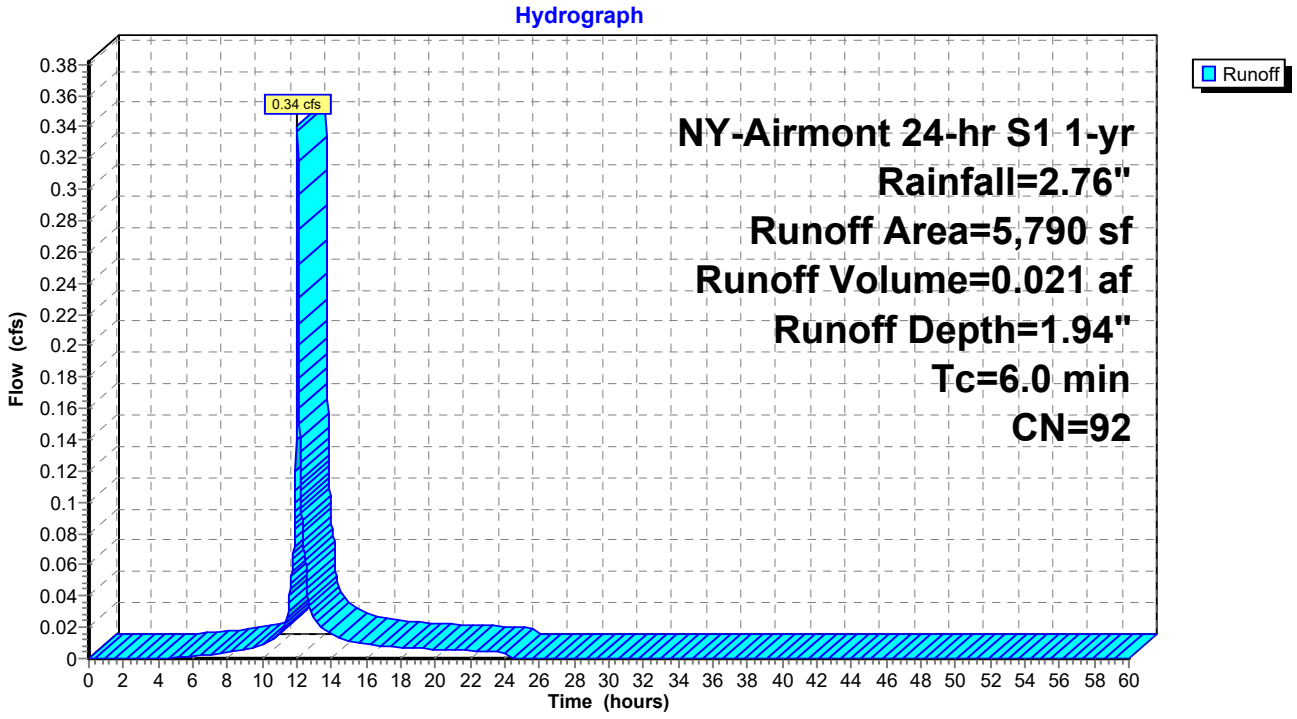
Runoff = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af, Depth= 1.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,452	74	>75% Grass cover, Good, HSG C
4,338	98	Paved parking, HSG C
5,790	92	Weighted Average
1,452		25.08% Pervious Area
4,338		74.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 10S: 10S



Summary for Subcatchment 11S: 11S

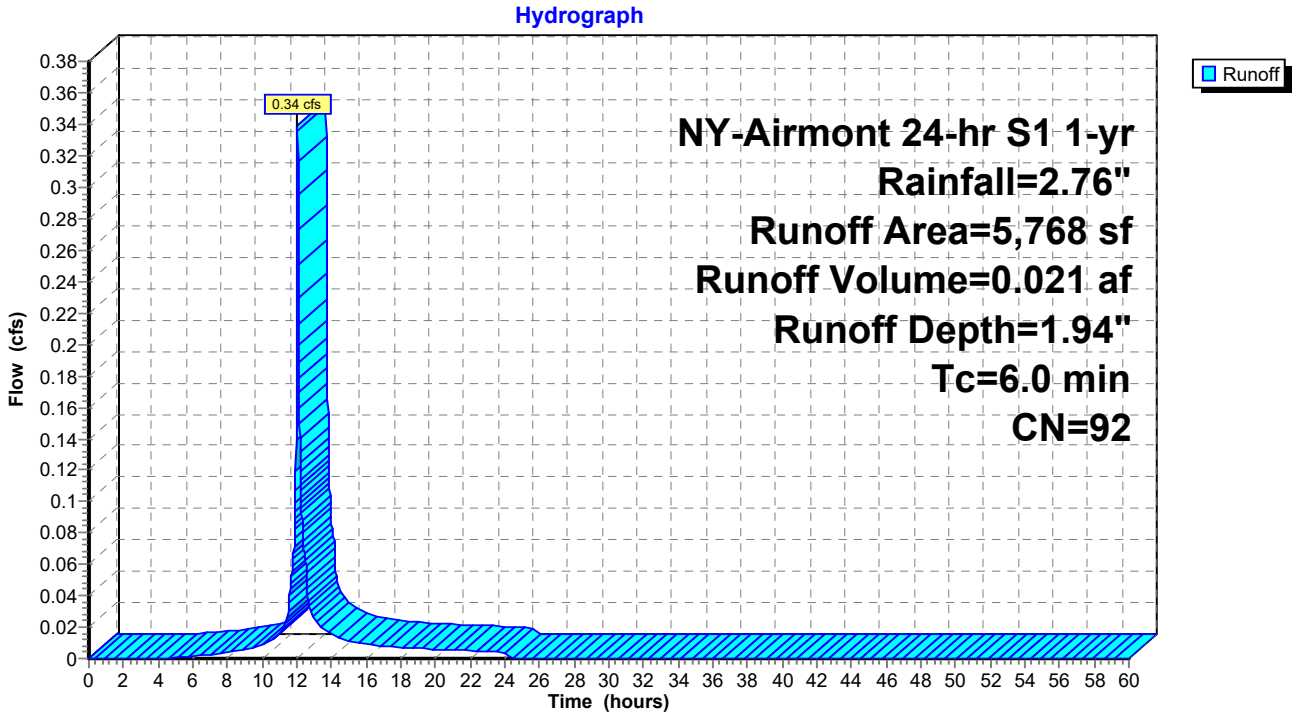
Runoff = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af, Depth= 1.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,341	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
5,768	92	Weighted Average
1,341		23.25% Pervious Area
4,427		76.75% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 11S: 11S



Summary for Subcatchment 12S: 12S

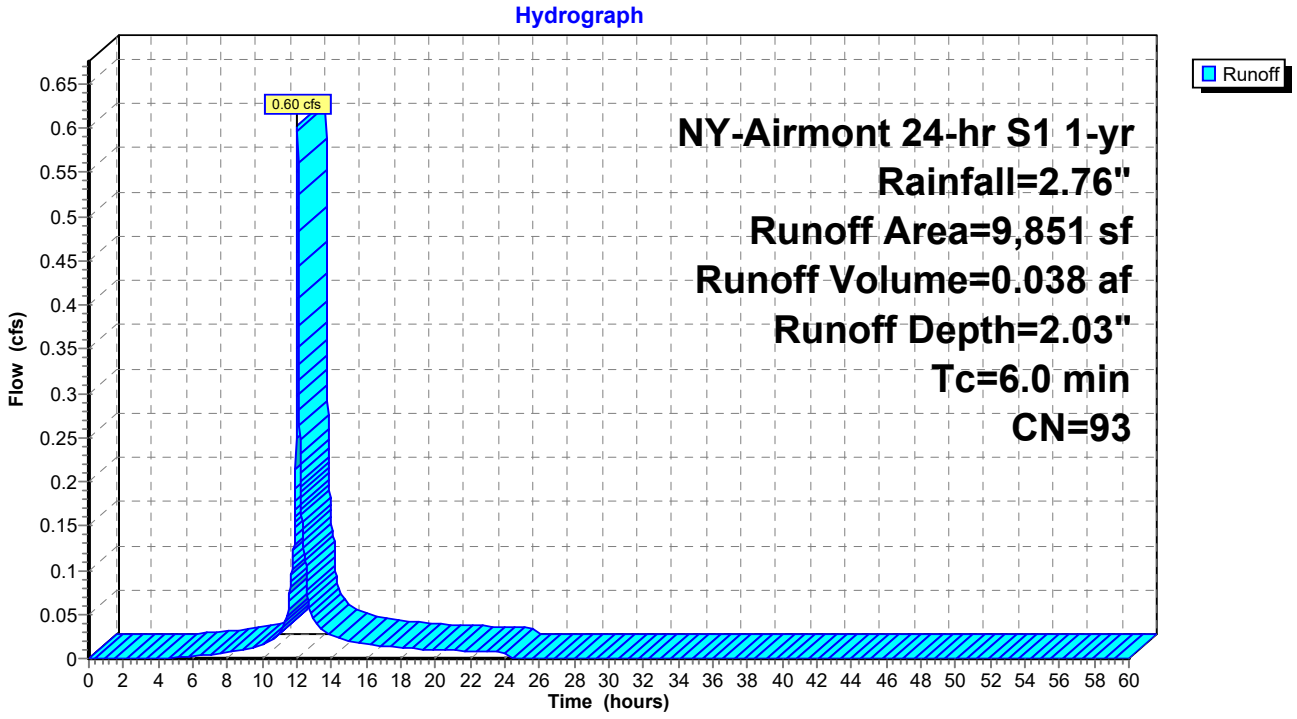
Runoff = 0.60 cfs @ 12.04 hrs, Volume= 0.038 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
2,026	74	>75% Grass cover, Good, HSG C
7,825	98	Paved parking, HSG C
9,851	93	Weighted Average
2,026		20.57% Pervious Area
7,825		79.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 12S: 12S



Summary for Subcatchment 13S: 13S

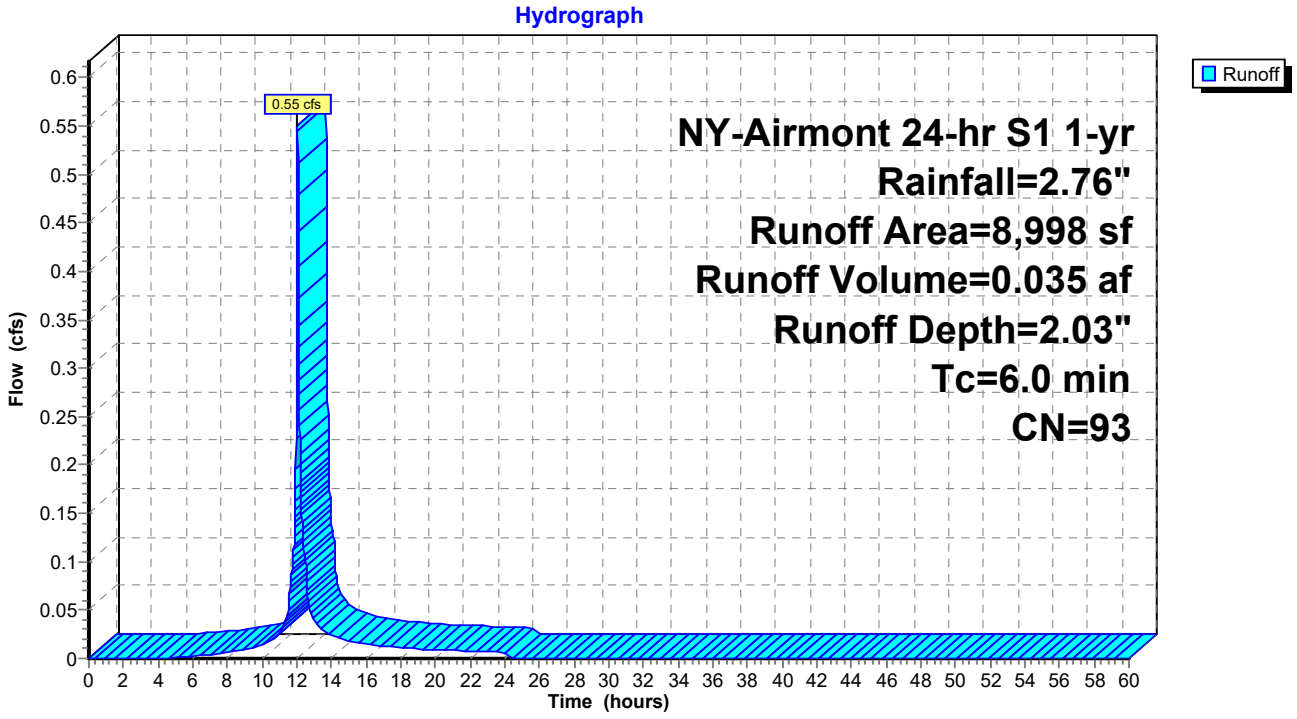
Runoff = 0.55 cfs @ 12.04 hrs, Volume= 0.035 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,766	74	>75% Grass cover, Good, HSG C
7,232	98	Paved parking, HSG C
8,998	93	Weighted Average
1,766		19.63% Pervious Area
7,232		80.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 13S: 13S



Summary for Subcatchment 14S: 14S

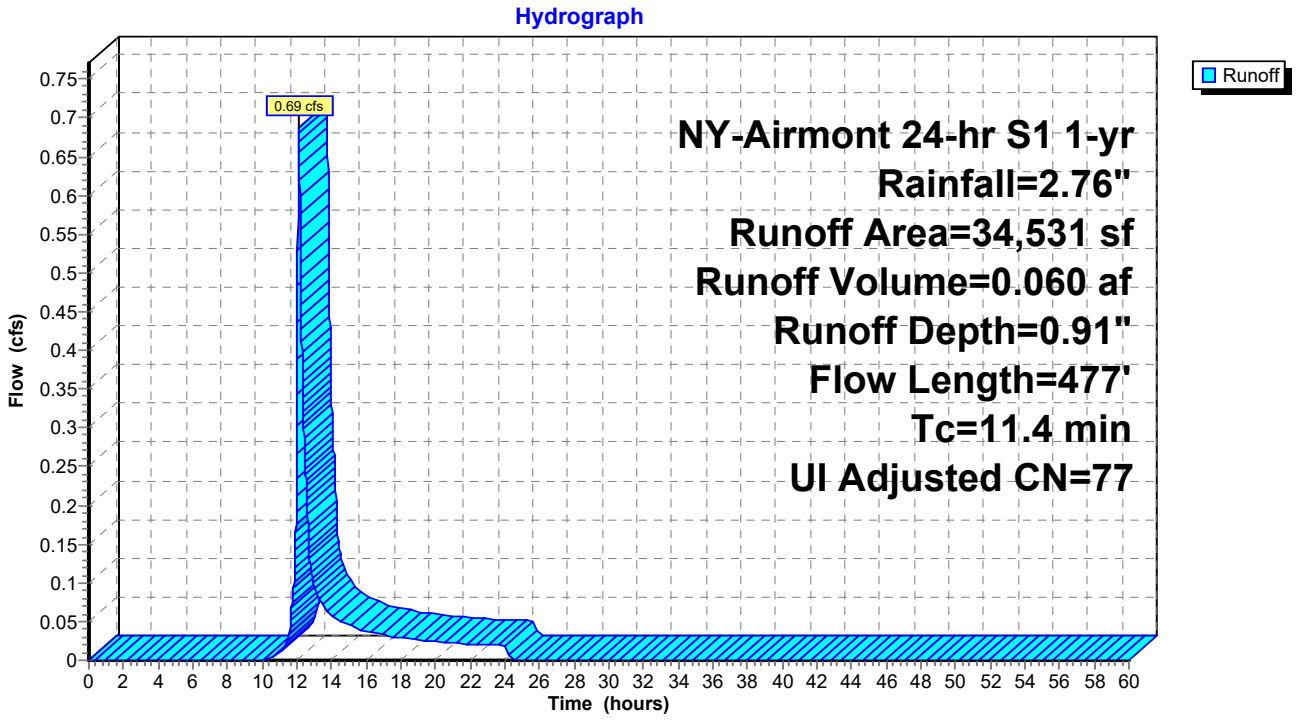
Runoff = 0.69 cfs @ 12.12 hrs, Volume= 0.060 af, Depth= 0.91"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Adj	Description
9,957	98		Unconnected pavement, HSG C
24,574	74		>75% Grass cover, Good, HSG C
34,531	81	77	Weighted Average, UI Adjusted
24,574			71.17% Pervious Area
9,957			28.83% Impervious Area
9,957			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	100	0.0600	0.27		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.2	377	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
11.4	477	Total			

Subcatchment 14S: 14S



Summary for Subcatchment 15S: 15S

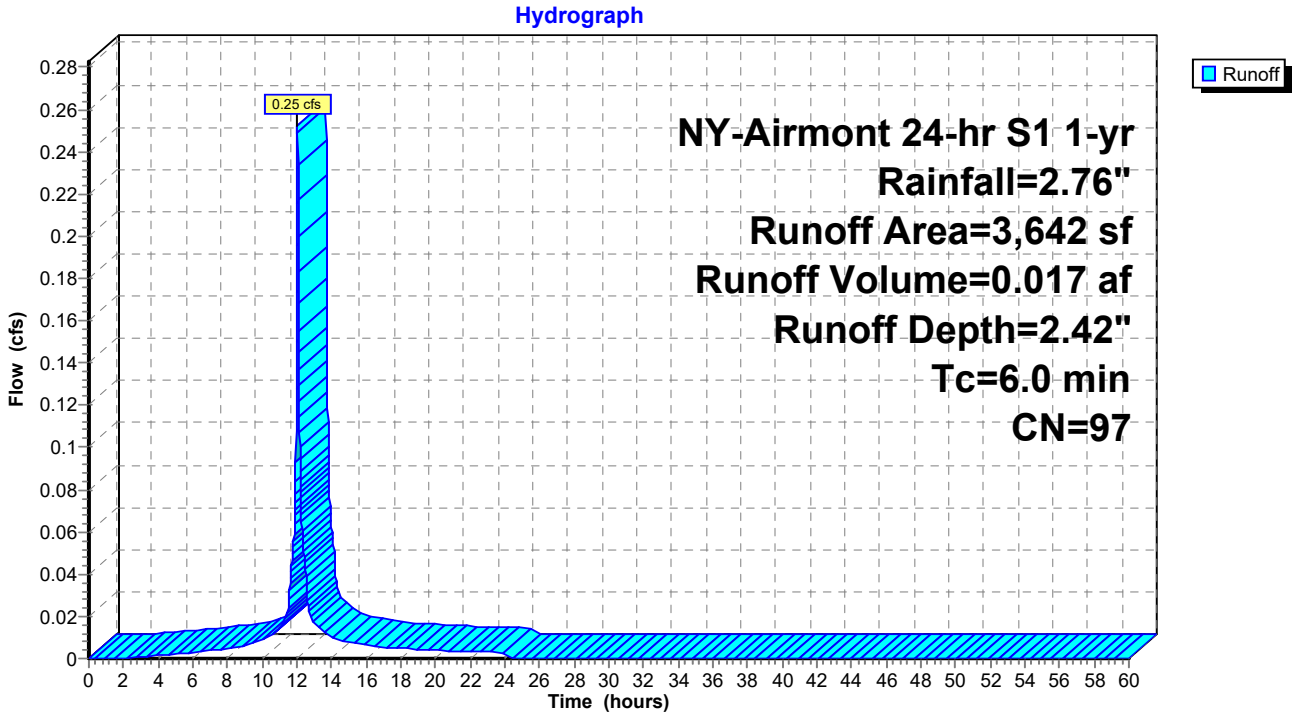
Runoff = 0.25 cfs @ 12.04 hrs, Volume= 0.017 af, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
89	74	>75% Grass cover, Good, HSG C
3,553	98	Paved parking, HSG C
3,642	97	Weighted Average
89		2.44% Pervious Area
3,553		97.56% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 15S: 15S



Summary for Subcatchment 16S: 16S

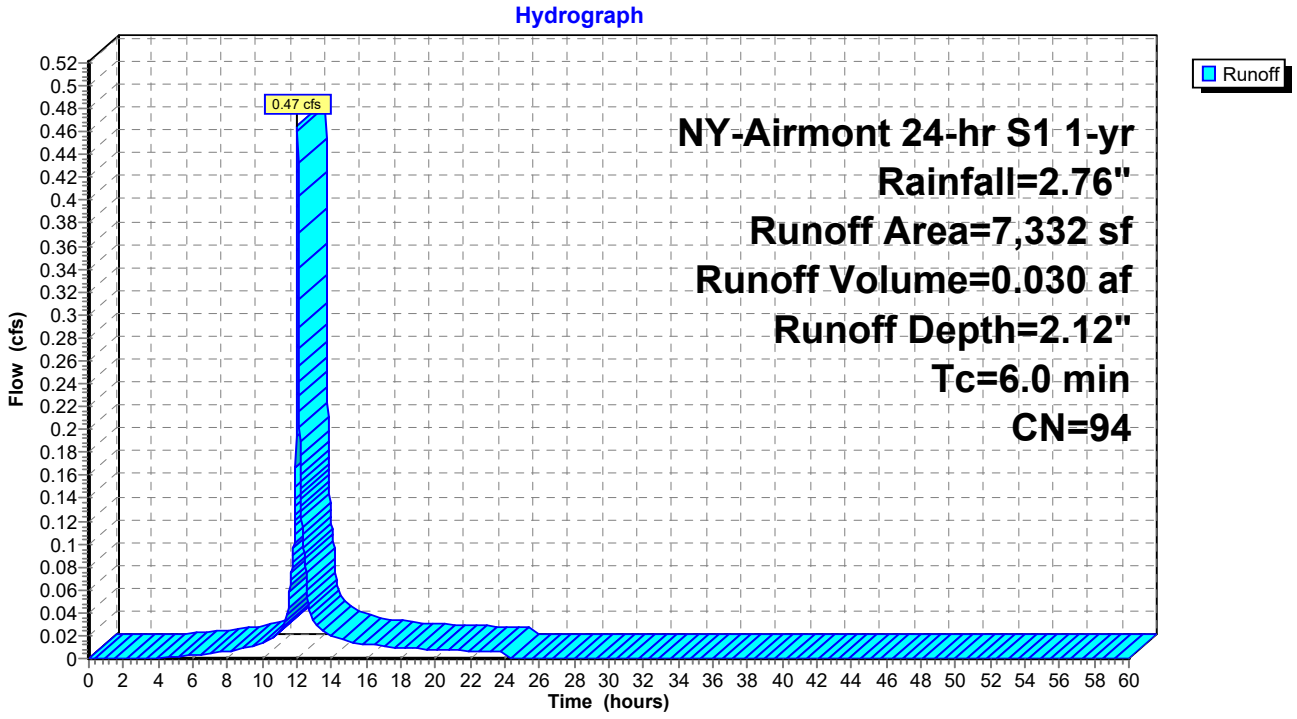
Runoff = 0.47 cfs @ 12.04 hrs, Volume= 0.030 af, Depth= 2.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,348	74	>75% Grass cover, Good, HSG C
5,984	98	Paved parking, HSG C
7,332	94	Weighted Average
1,348		18.39% Pervious Area
5,984		81.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 16S: 16S



Summary for Subcatchment 17S: 17S

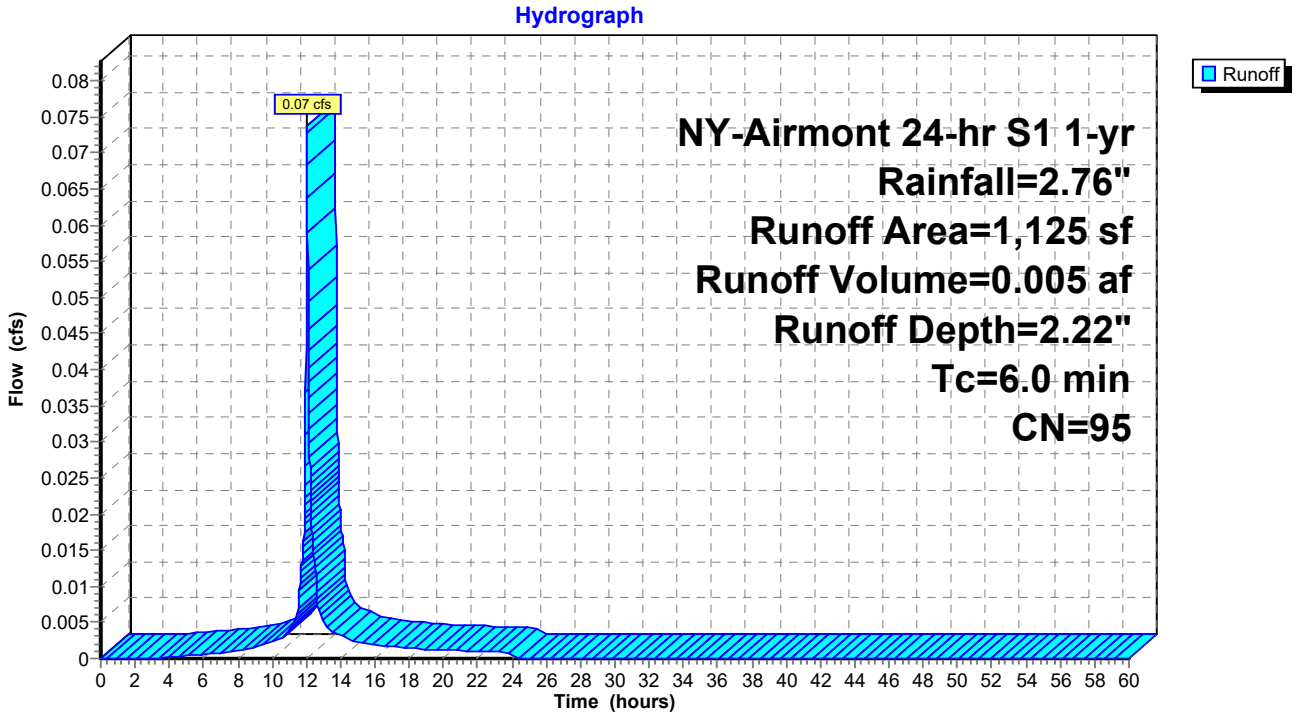
Runoff = 0.07 cfs @ 12.04 hrs, Volume= 0.005 af, Depth= 2.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
153	74	>75% Grass cover, Good, HSG C
972	98	Paved parking, HSG C
1,125	95	Weighted Average
153		13.60% Pervious Area
972		86.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 17S: 17S



Summary for Subcatchment 18S: 18S

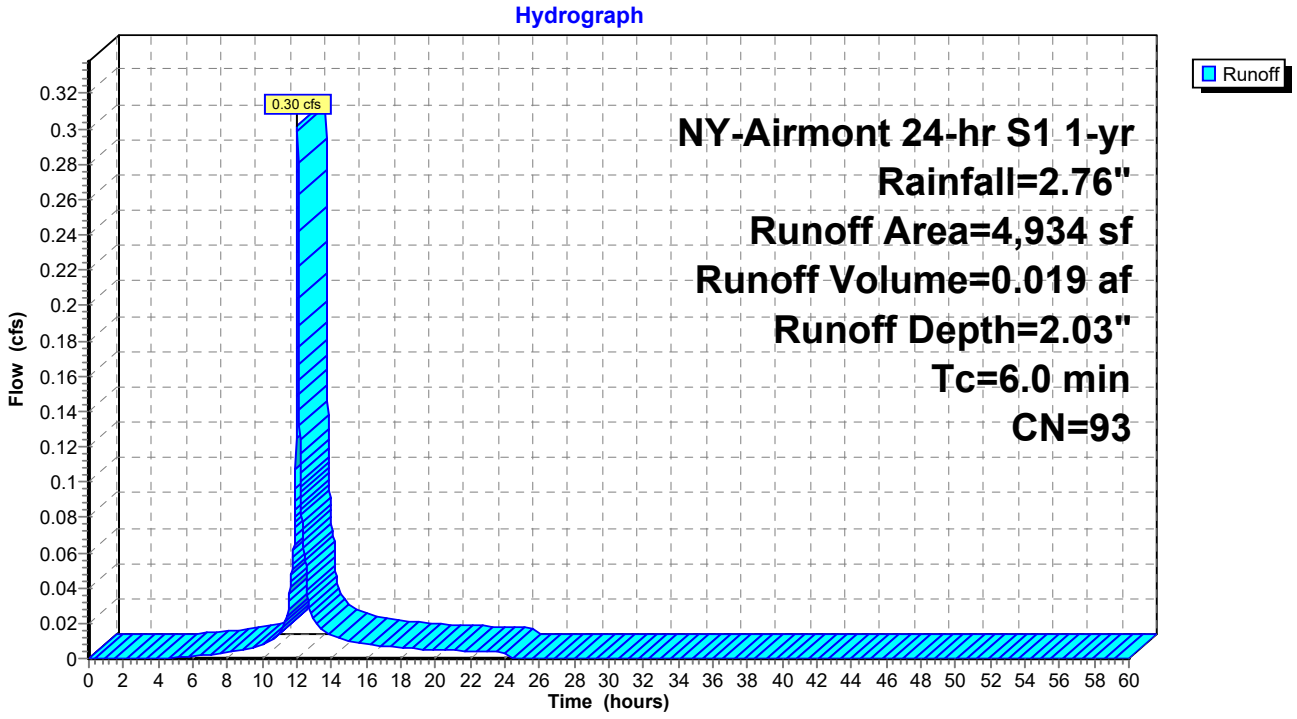
Runoff = 0.30 cfs @ 12.04 hrs, Volume= 0.019 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
974	74	>75% Grass cover, Good, HSG C
3,960	98	Paved parking, HSG C
4,934	93	Weighted Average
974		19.74% Pervious Area
3,960		80.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 18S: 18S



Summary for Subcatchment 19S: 19S

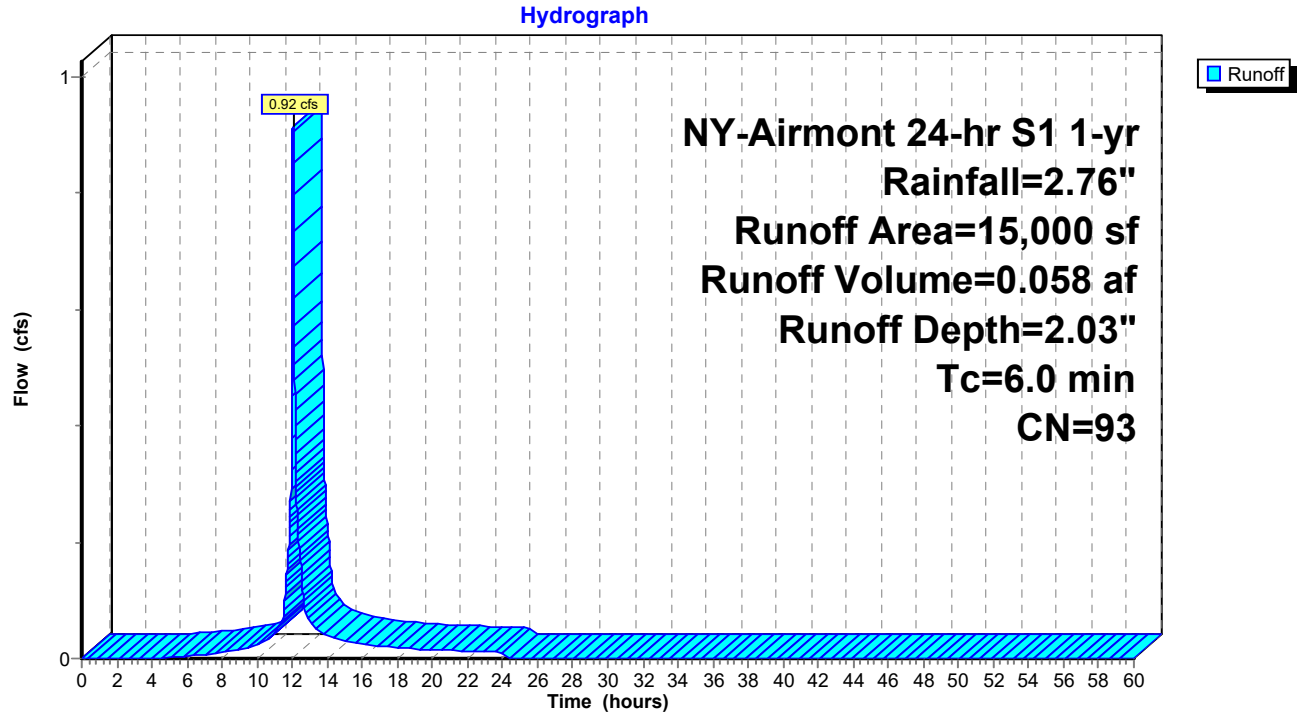
Runoff = 0.92 cfs @ 12.04 hrs, Volume= 0.058 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
2,892	74	>75% Grass cover, Good, HSG C
12,108	98	Paved parking, HSG C
15,000	93	Weighted Average
2,892		19.28% Pervious Area
12,108		80.72% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 19S: 19S



Summary for Subcatchment 20S: 20S

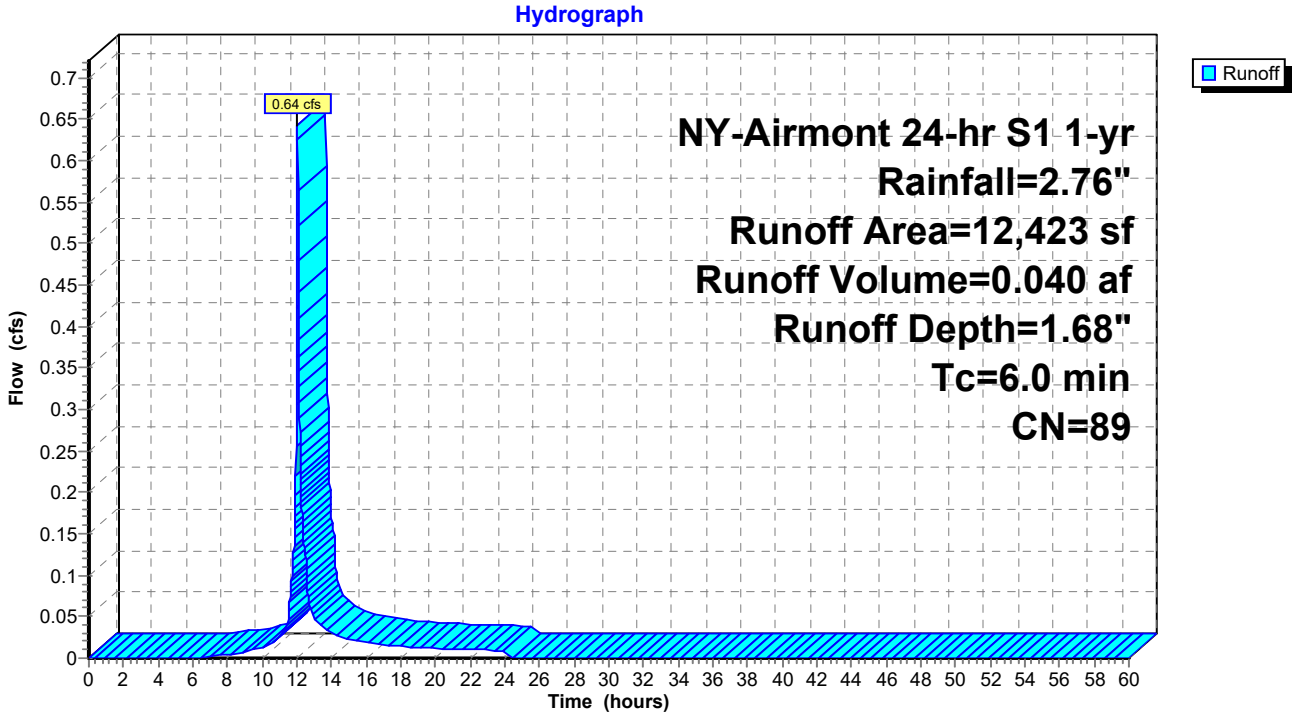
Runoff = 0.64 cfs @ 12.04 hrs, Volume= 0.040 af, Depth= 1.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
7,639	98	Unconnected pavement, HSG C
4,784	74	>75% Grass cover, Good, HSG C
12,423	89	Weighted Average
4,784		38.51% Pervious Area
7,639		61.49% Impervious Area
7,639		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 20S: 20S



Summary for Subcatchment 21S: 21S

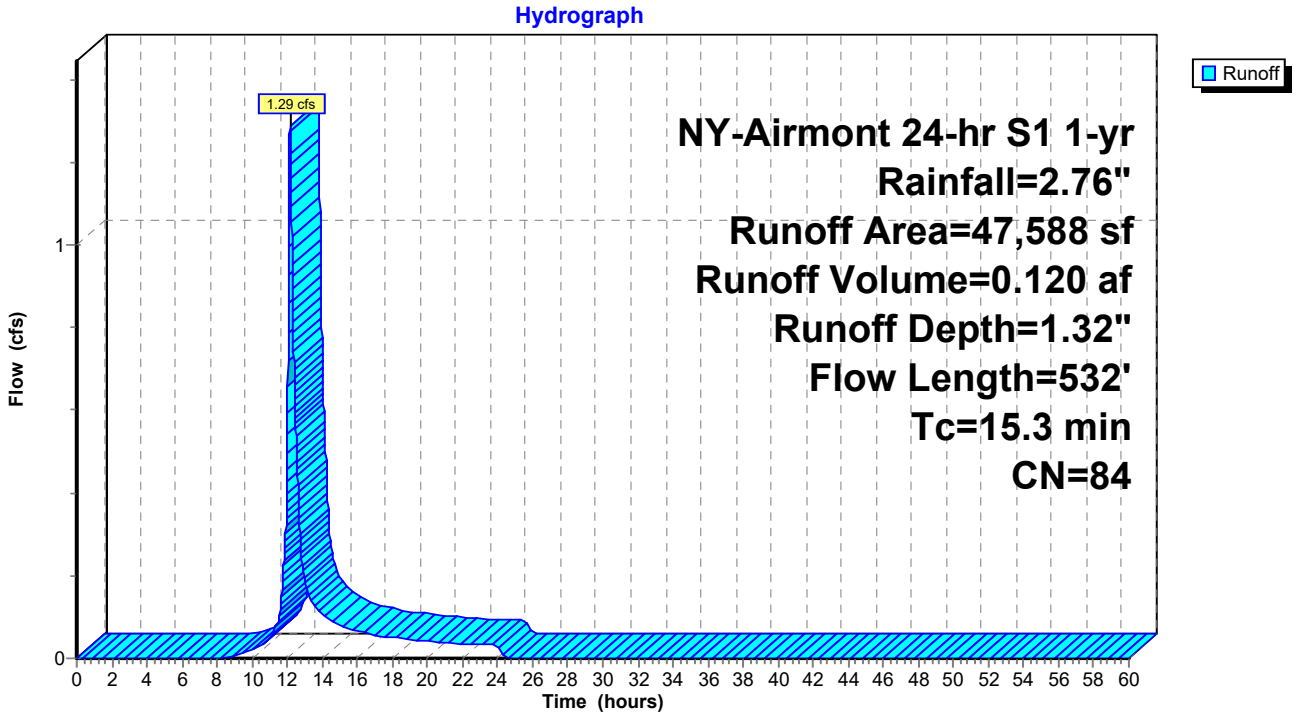
Runoff = 1.29 cfs @ 12.16 hrs, Volume= 0.120 af, Depth= 1.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
28,095	74	>75% Grass cover, Good, HSG C
19,493	98	Unconnected pavement, HSG C
47,588	84	Weighted Average
28,095		59.04% Pervious Area
19,493		40.96% Impervious Area
19,493		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0	59	0.0600	0.24		**Sheet Flow, SF1** Grass: Short n= 0.150 P2= 3.37"
2.7	41	0.0800	0.25		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
1.8	132	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
4.6	136	0.0050	0.49		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.2	20	0.1000	2.21		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
2.0	144	0.0300	1.21		**Shallow Concentrated Flow, SCF4** Short Grass Pasture Kv= 7.0 fps
15.3	532	Total			

Subcatchment 21S: 21S



Summary for Subcatchment 22S: 22S

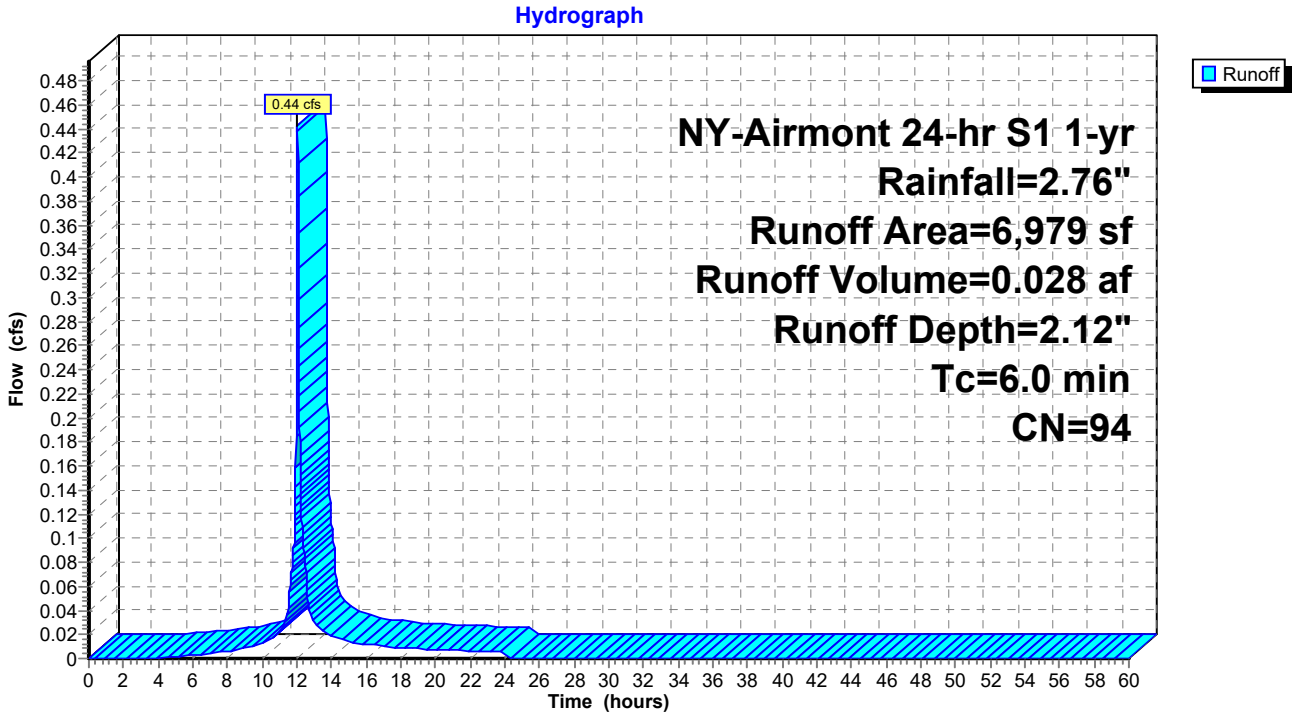
Runoff = 0.44 cfs @ 12.04 hrs, Volume= 0.028 af, Depth= 2.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,087	74	>75% Grass cover, Good, HSG C
5,892	98	Paved parking, HSG C
6,979	94	Weighted Average
1,087		15.58% Pervious Area
5,892		84.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 22S: 22S



Summary for Subcatchment 23S: 23S

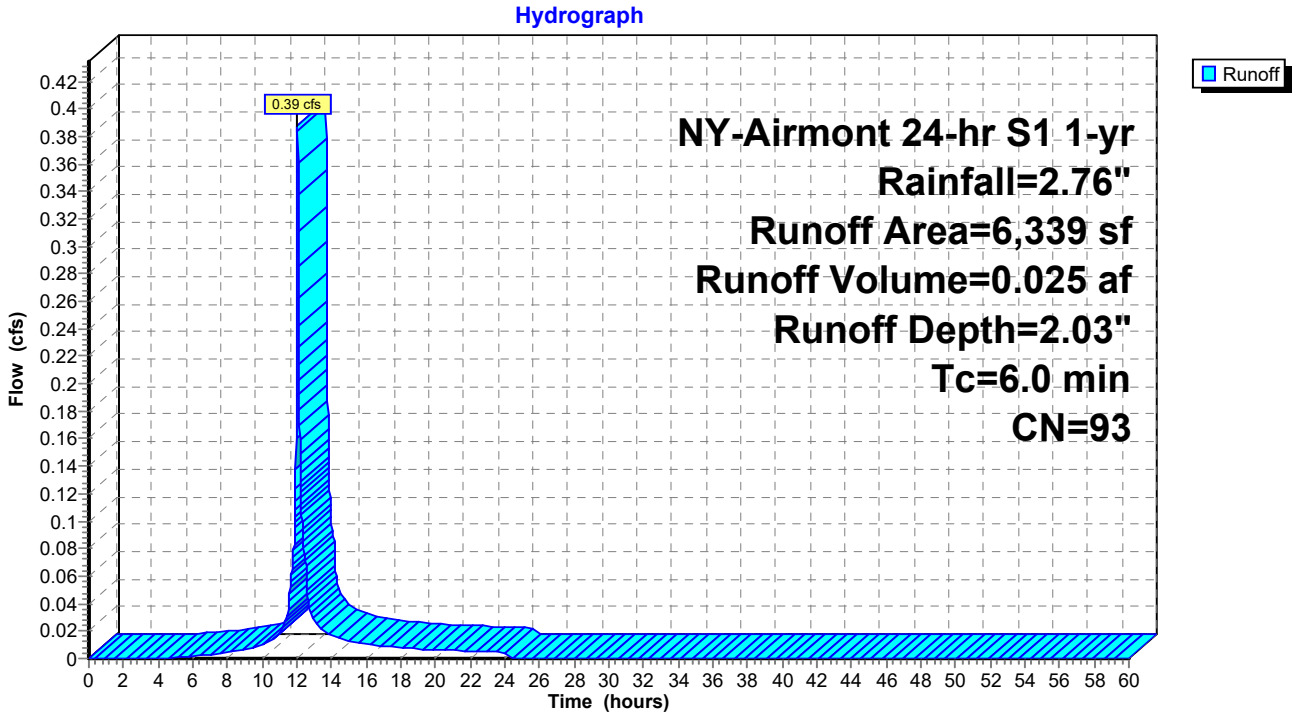
Runoff = 0.39 cfs @ 12.04 hrs, Volume= 0.025 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,368	74	>75% Grass cover, Good, HSG C
4,971	98	Paved parking, HSG C
6,339	93	Weighted Average
1,368		21.58% Pervious Area
4,971		78.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 23S: 23S



Summary for Subcatchment 24S: 24S

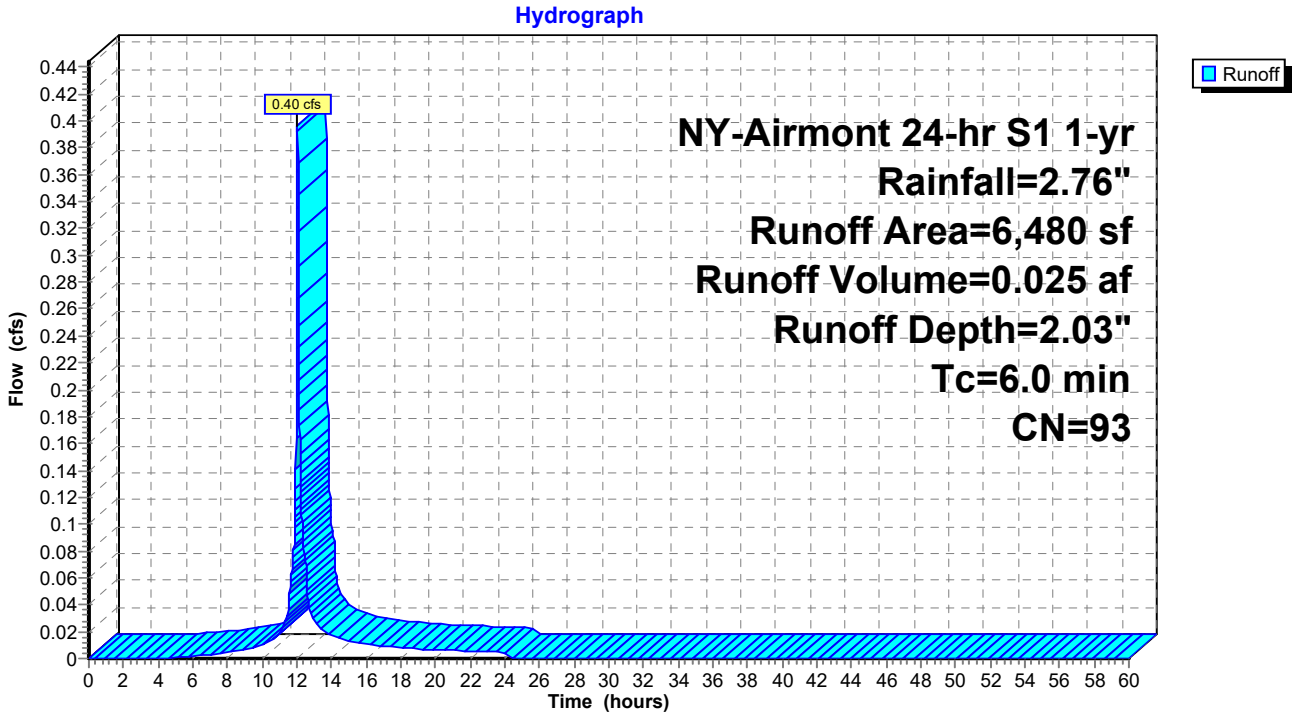
Runoff = 0.40 cfs @ 12.04 hrs, Volume= 0.025 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,407	74	>75% Grass cover, Good, HSG C
5,073	98	Paved parking, HSG C
6,480	93	Weighted Average
1,407		21.71% Pervious Area
5,073		78.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 24S: 24S



Summary for Subcatchment 25S: 25S

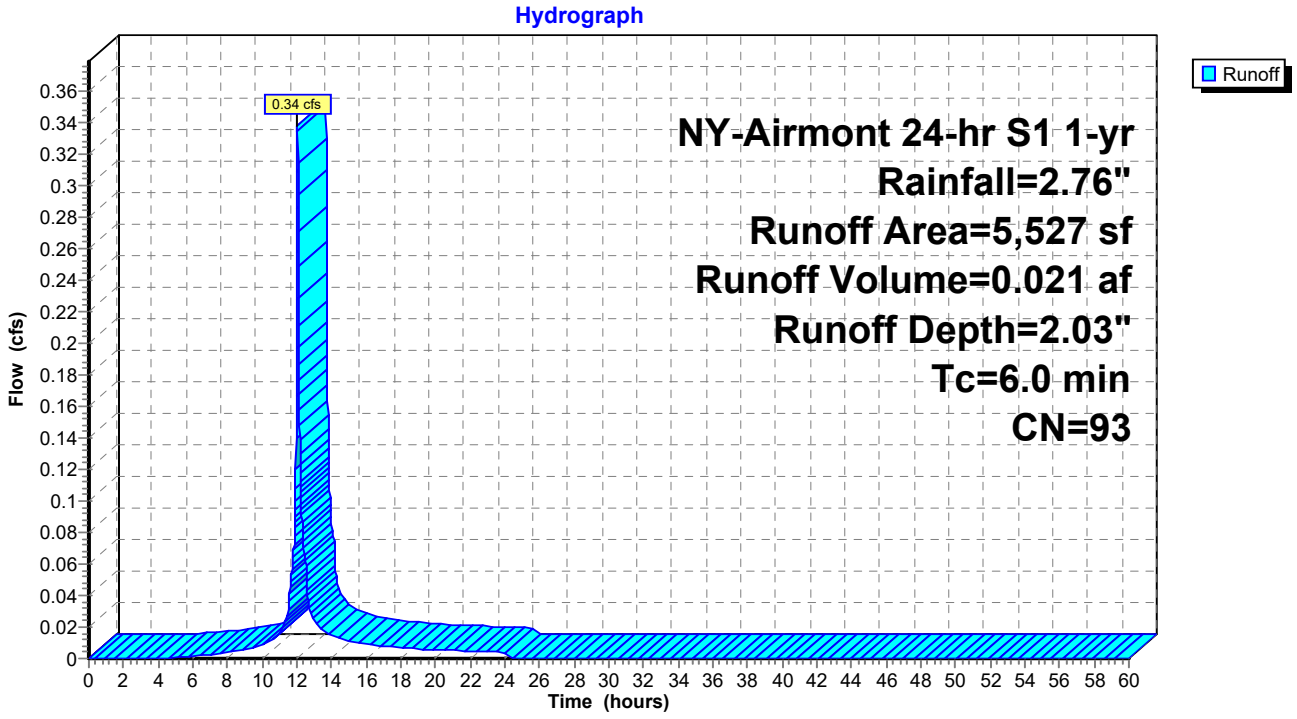
Runoff = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,206	74	>75% Grass cover, Good, HSG C
4,321	98	Paved parking, HSG C
5,527	93	Weighted Average
1,206		21.82% Pervious Area
4,321		78.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 25S: 25S



Summary for Subcatchment 26S: 26S

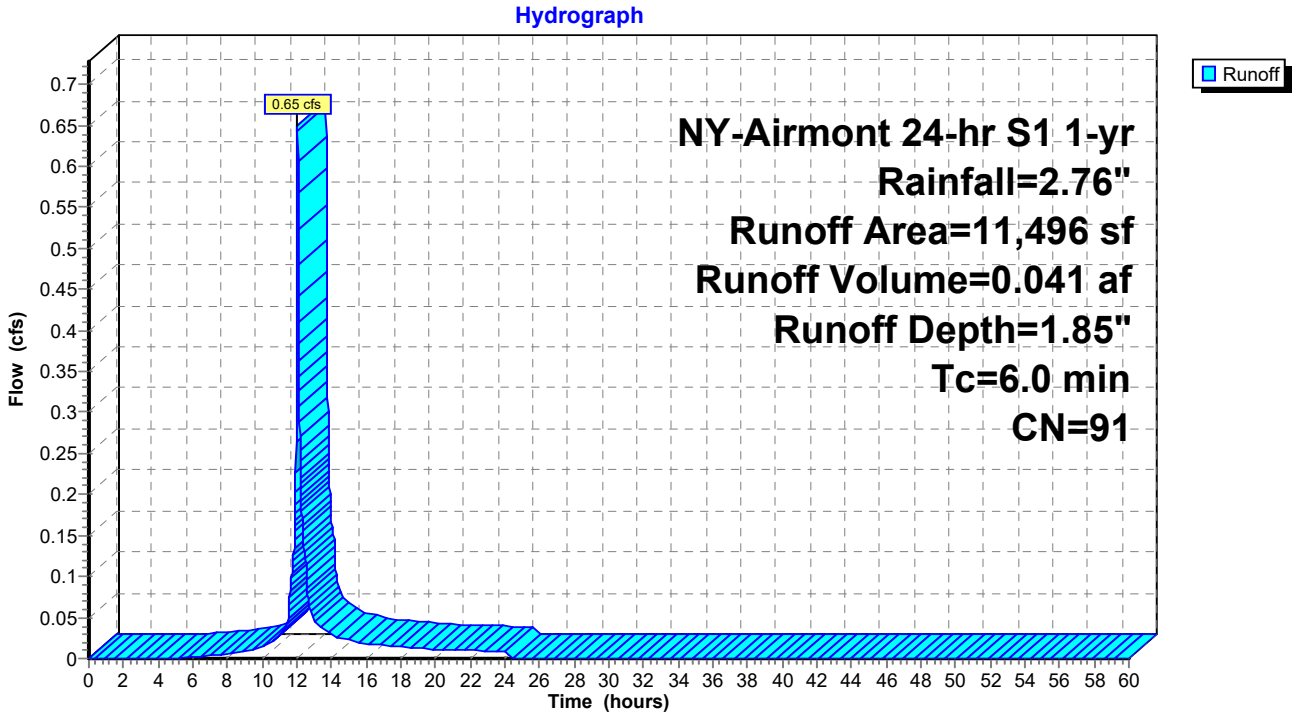
Runoff = 0.65 cfs @ 12.04 hrs, Volume= 0.041 af, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
3,319	74	>75% Grass cover, Good, HSG C
8,177	98	Paved parking, HSG C
11,496	91	Weighted Average
3,319		28.87% Pervious Area
8,177		71.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 26S: 26S



Summary for Subcatchment 27S: 27S

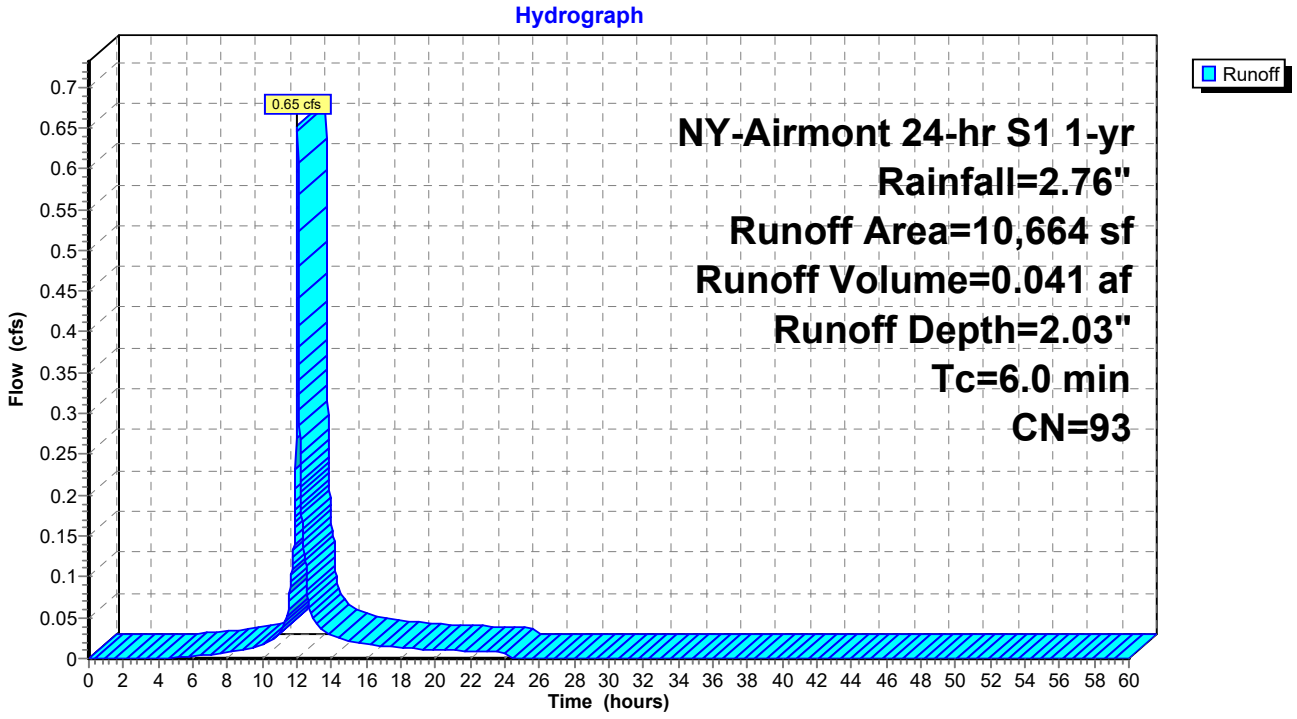
Runoff = 0.65 cfs @ 12.04 hrs, Volume= 0.041 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
2,160	74	>75% Grass cover, Good, HSG C
8,504	98	Paved parking, HSG C
10,664	93	Weighted Average
2,160		20.26% Pervious Area
8,504		79.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 27S: 27S



Summary for Subcatchment 28S: 28S

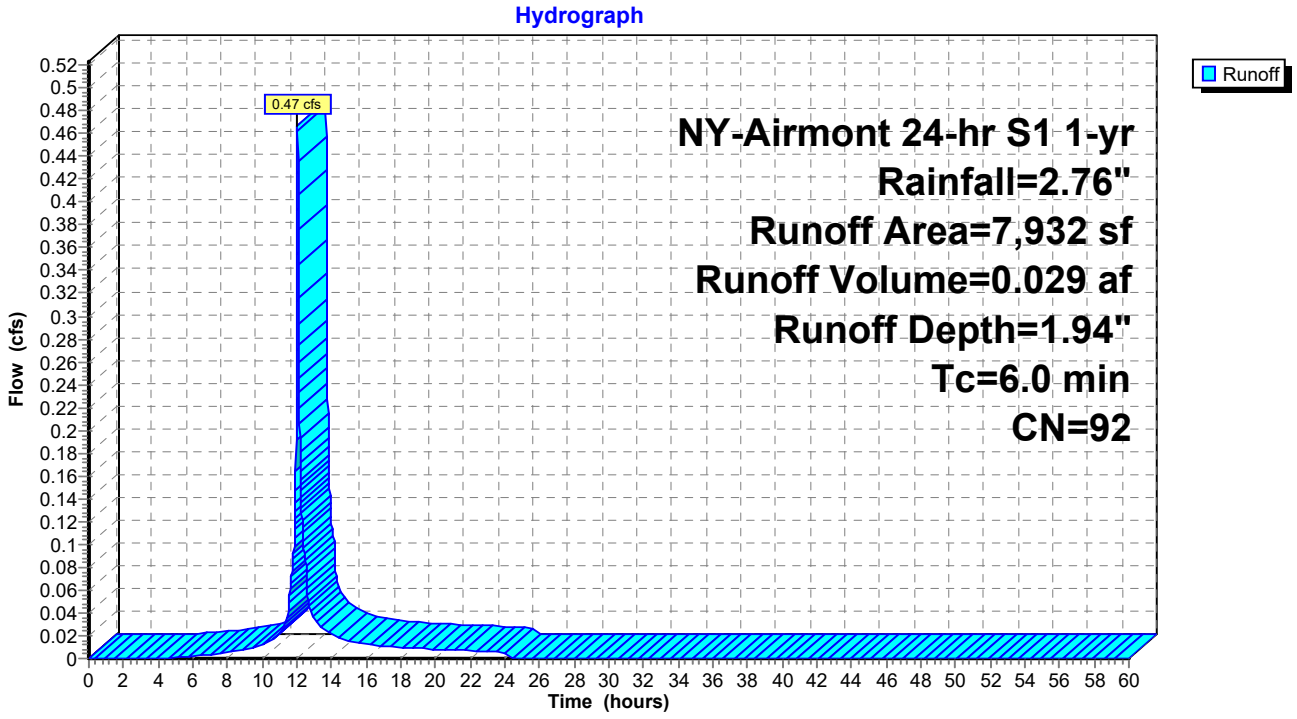
Runoff = 0.47 cfs @ 12.04 hrs, Volume= 0.029 af, Depth= 1.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,916	74	>75% Grass cover, Good, HSG C
6,016	98	Paved parking, HSG C
7,932	92	Weighted Average
1,916		24.16% Pervious Area
6,016		75.84% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 28S: 28S



Summary for Subcatchment 29S: 29S

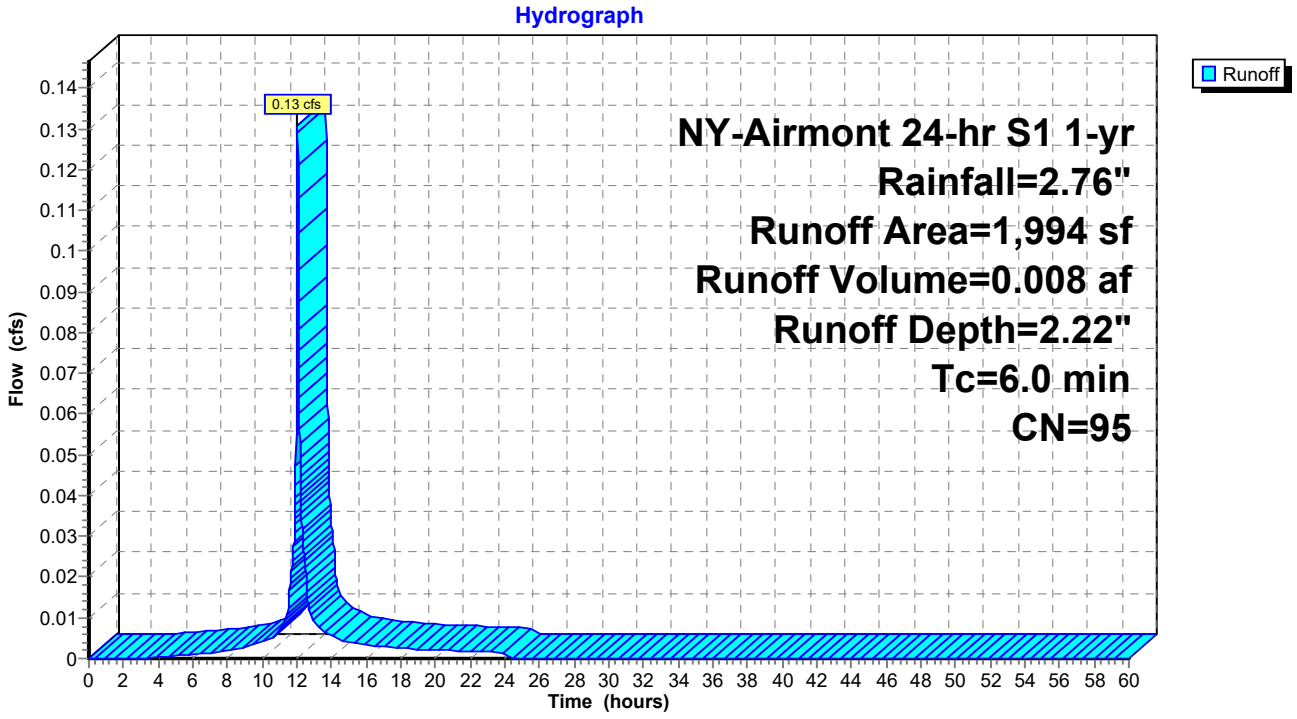
Runoff = 0.13 cfs @ 12.04 hrs, Volume= 0.008 af, Depth= 2.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
279	74	>75% Grass cover, Good, HSG C
1,715	98	Paved parking, HSG C
1,994	95	Weighted Average
279		13.99% Pervious Area
1,715		86.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 29S: 29S



Summary for Subcatchment 30S: 30S

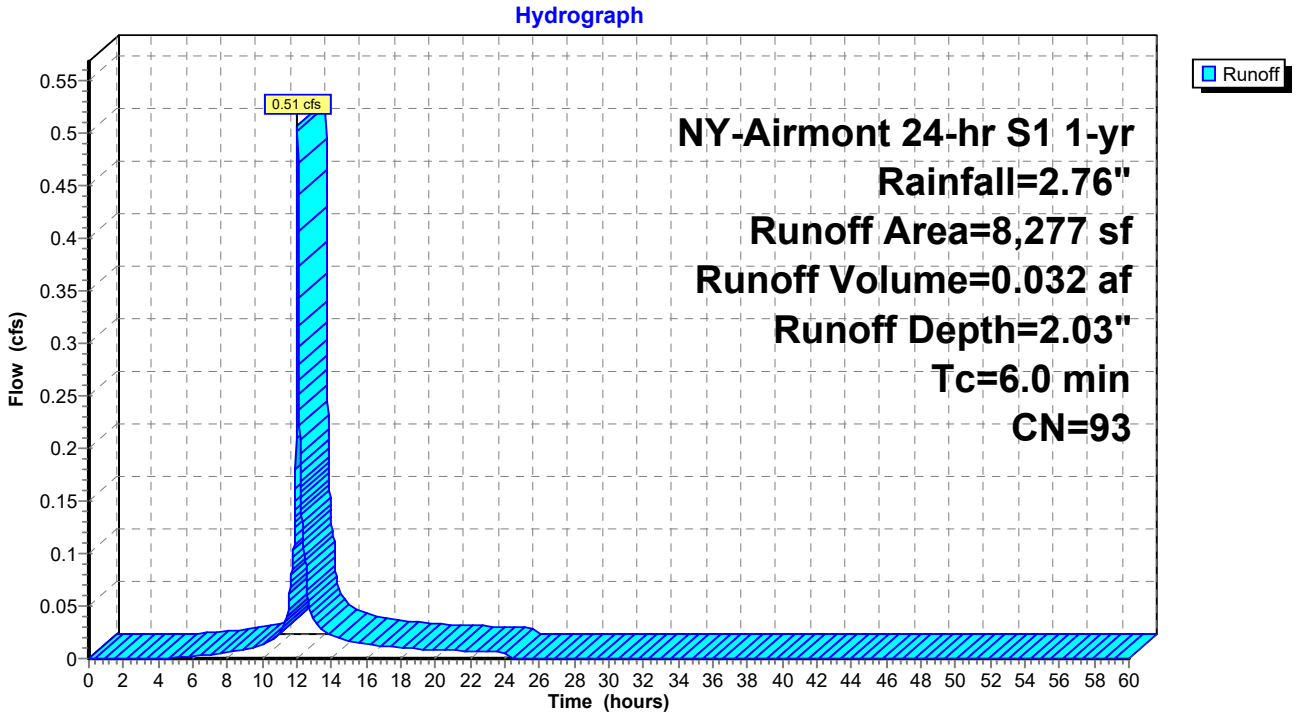
Runoff = 0.51 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,627	74	>75% Grass cover, Good, HSG C
6,650	98	Paved parking, HSG C
8,277	93	Weighted Average
1,627		19.66% Pervious Area
6,650		80.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 30S: 30S



Summary for Subcatchment 31S: 31S

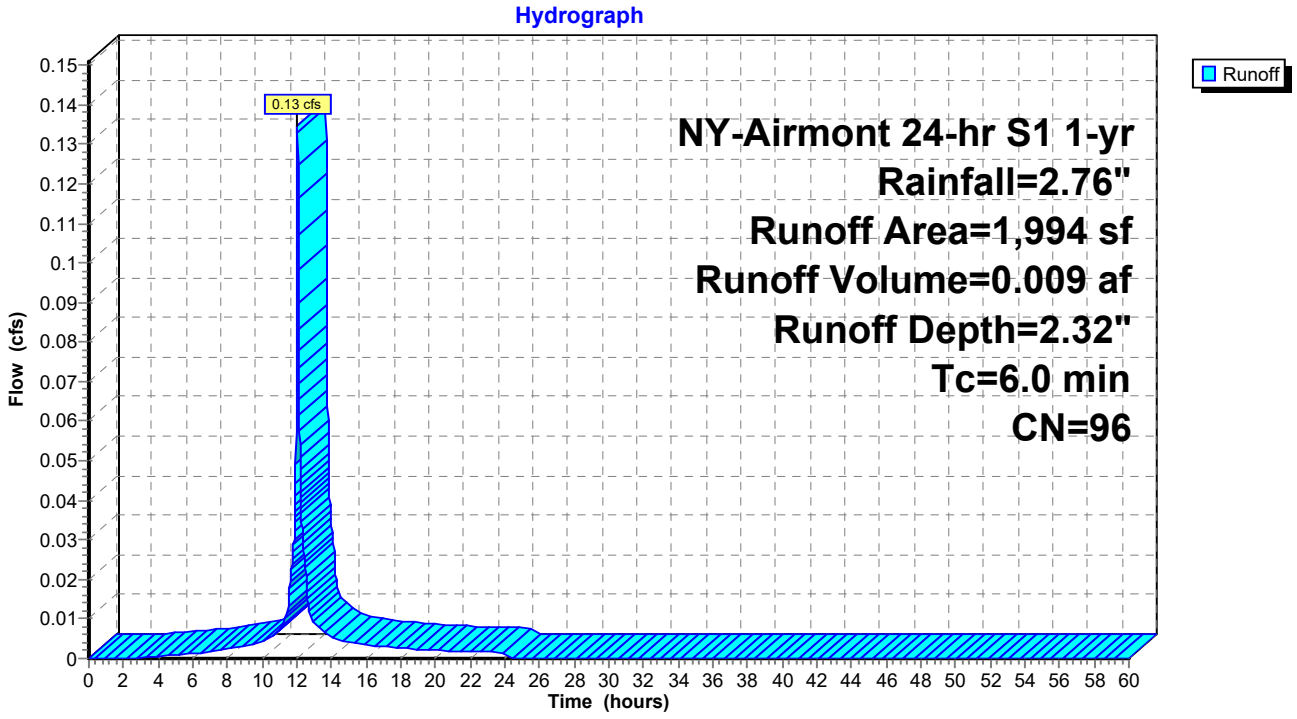
Runoff = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af, Depth= 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
207	74	>75% Grass cover, Good, HSG C
1,787	98	Paved parking, HSG C
1,994	96	Weighted Average
207		10.38% Pervious Area
1,787		89.62% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 31S: 31S



Summary for Subcatchment 32S: 32S

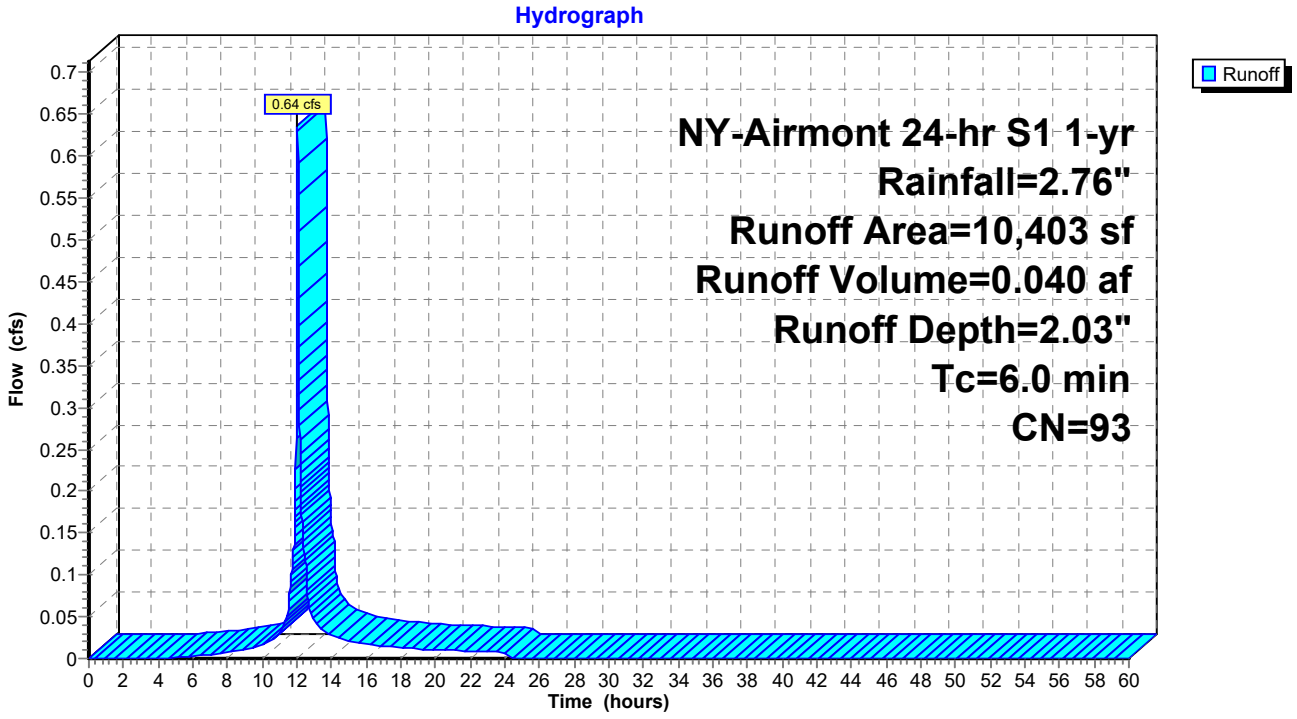
Runoff = 0.64 cfs @ 12.04 hrs, Volume= 0.040 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
2,229	74	>75% Grass cover, Good, HSG C
8,174	98	Paved parking, HSG C
10,403	93	Weighted Average
2,229		21.43% Pervious Area
8,174		78.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 32S: 32S



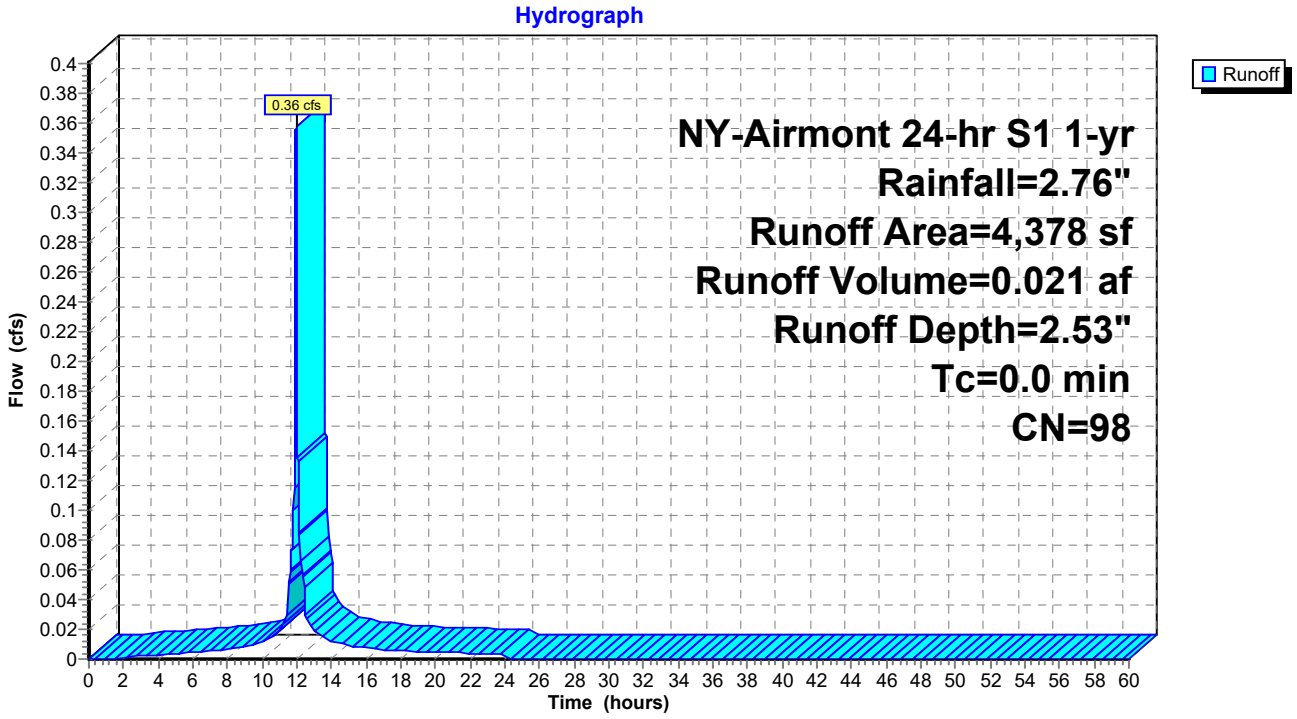
Summary for Subcatchment 35S: DA-33

Runoff = 0.36 cfs @ 11.99 hrs, Volume= 0.021 af, Depth= 2.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
4,378	98	Paved parking, HSG C
4,378		100.00% Impervious Area

Subcatchment 35S: DA-33



Summary for Subcatchment 36S: 36S

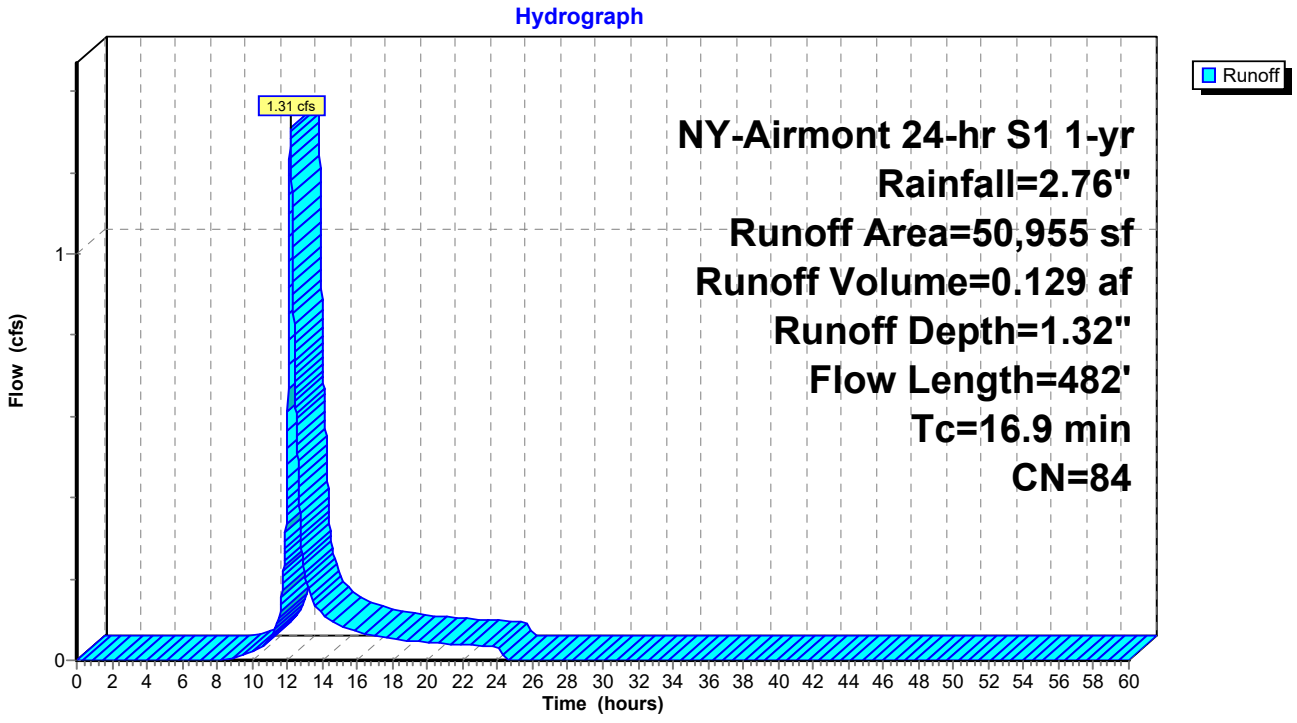
Runoff = 1.31 cfs @ 12.19 hrs, Volume= 0.129 af, Depth= 1.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
30,182	74	>75% Grass cover, Good, HSG C
20,773	98	Unconnected pavement, HSG C
50,955	84	Weighted Average
30,182		59.23% Pervious Area
20,773		40.77% Impervious Area
20,773		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	100	0.0200	0.17		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
7.4	382	0.0150	0.86		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
16.9	482	Total			

Subcatchment 36S: 36S



Summary for Subcatchment 37S: 37S

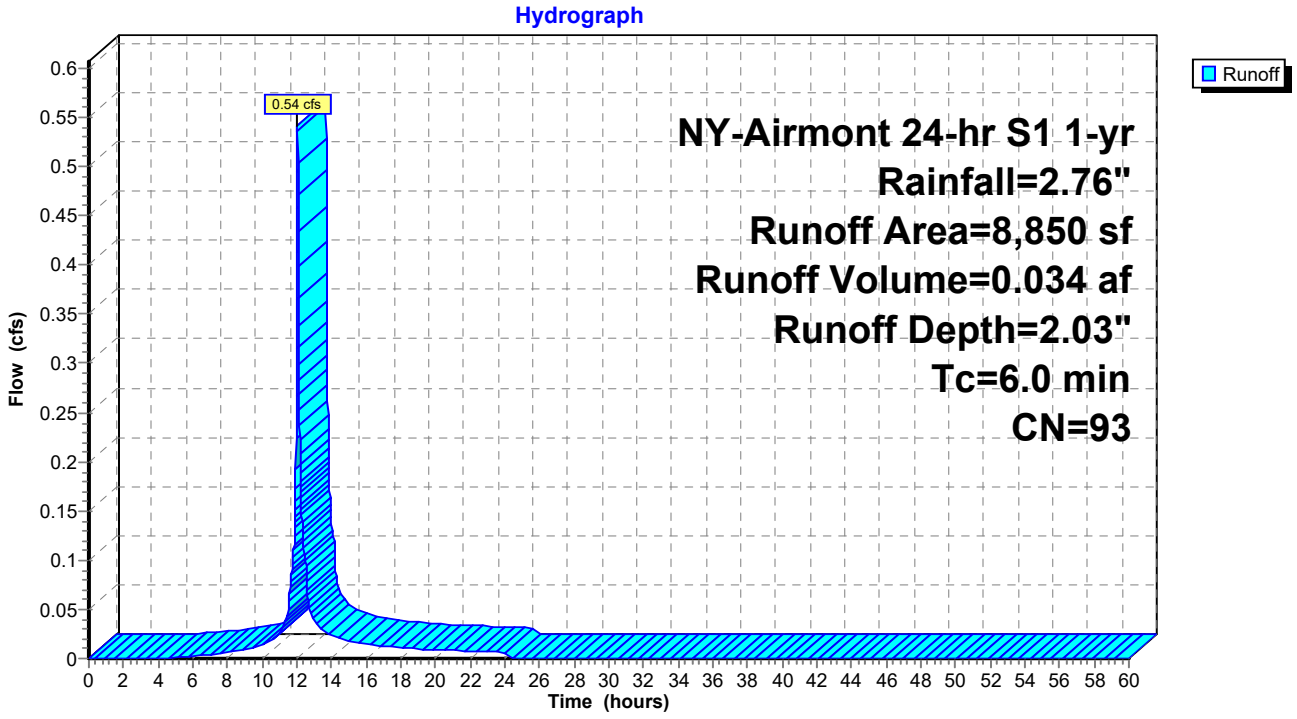
Runoff = 0.54 cfs @ 12.04 hrs, Volume= 0.034 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,782	74	>75% Grass cover, Good, HSG C
7,068	98	Paved parking, HSG C
8,850	93	Weighted Average
1,782		20.14% Pervious Area
7,068		79.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 37S: 37S



Summary for Subcatchment 38S: 38S

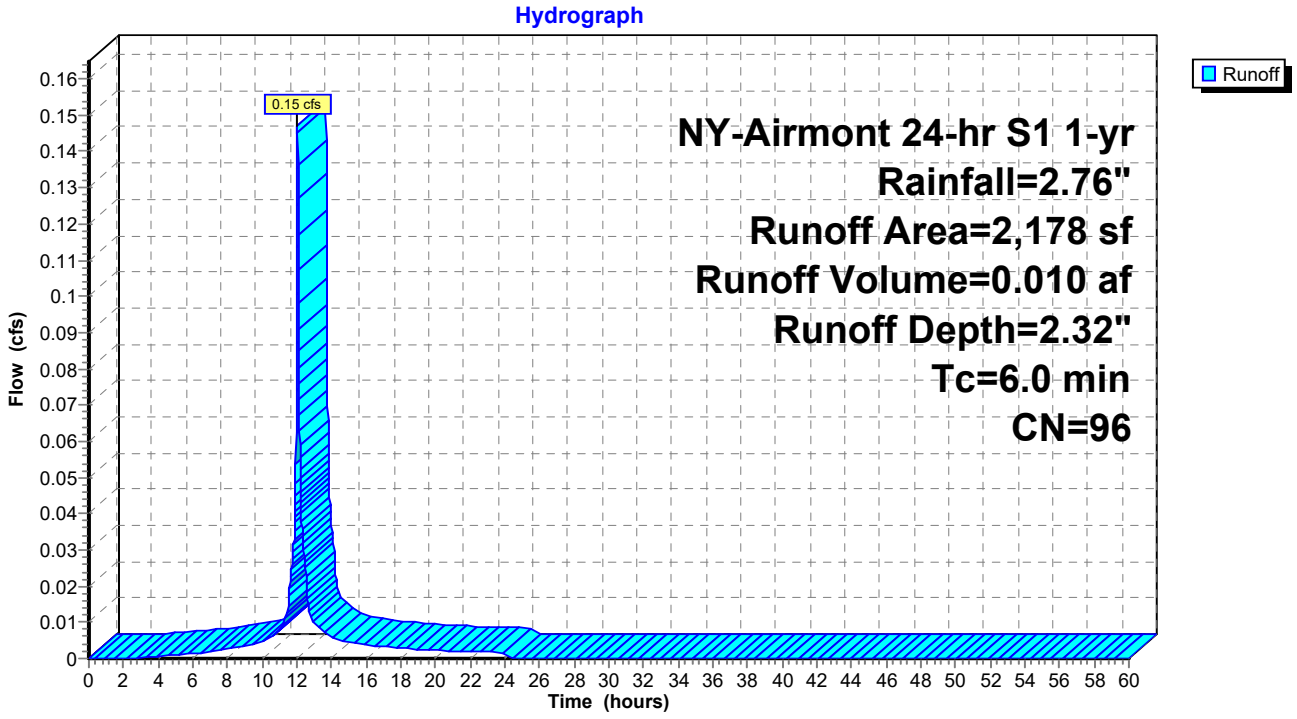
Runoff = 0.15 cfs @ 12.04 hrs, Volume= 0.010 af, Depth= 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
218	74	>75% Grass cover, Good, HSG C
1,960	98	Paved parking, HSG C
2,178	96	Weighted Average
218		10.01% Pervious Area
1,960		89.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 38S: 38S



Summary for Subcatchment 39S: 39S

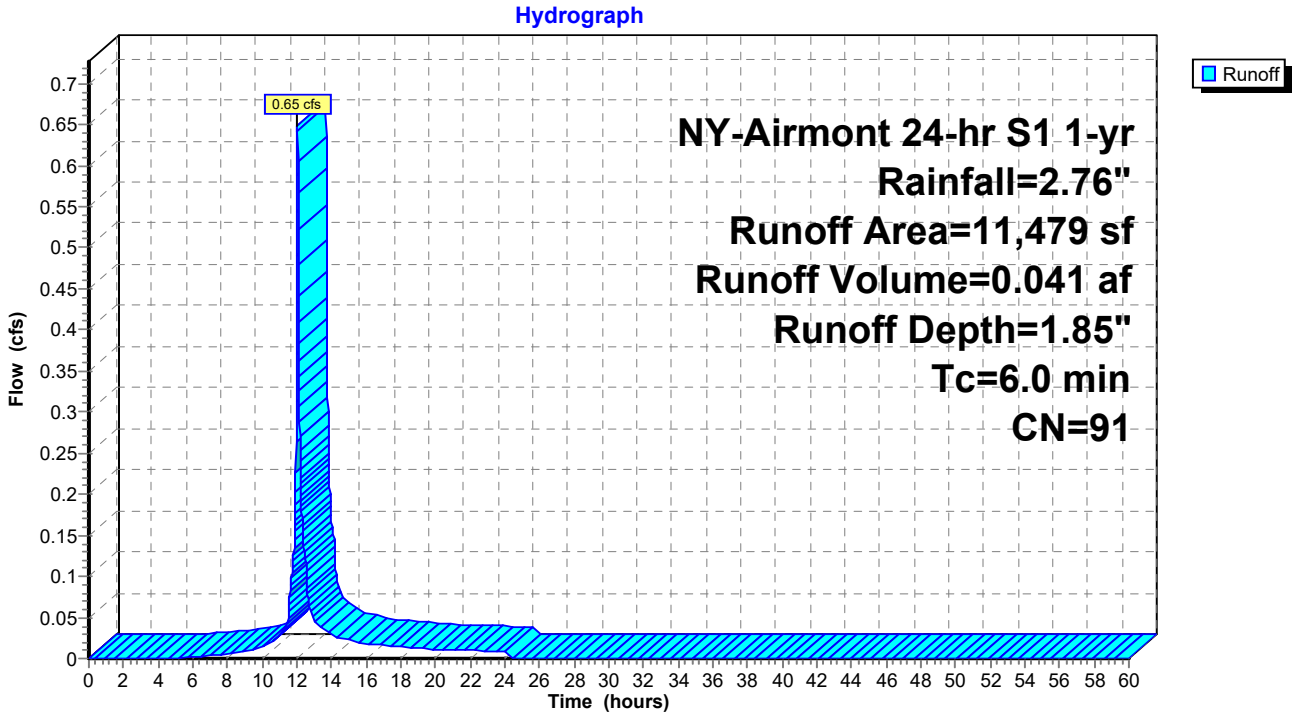
Runoff = 0.65 cfs @ 12.04 hrs, Volume= 0.041 af, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
3,296	74	>75% Grass cover, Good, HSG C
8,183	98	Paved parking, HSG C
11,479	91	Weighted Average
3,296		28.71% Pervious Area
8,183		71.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 39S: 39S



Summary for Subcatchment 40S: 40S

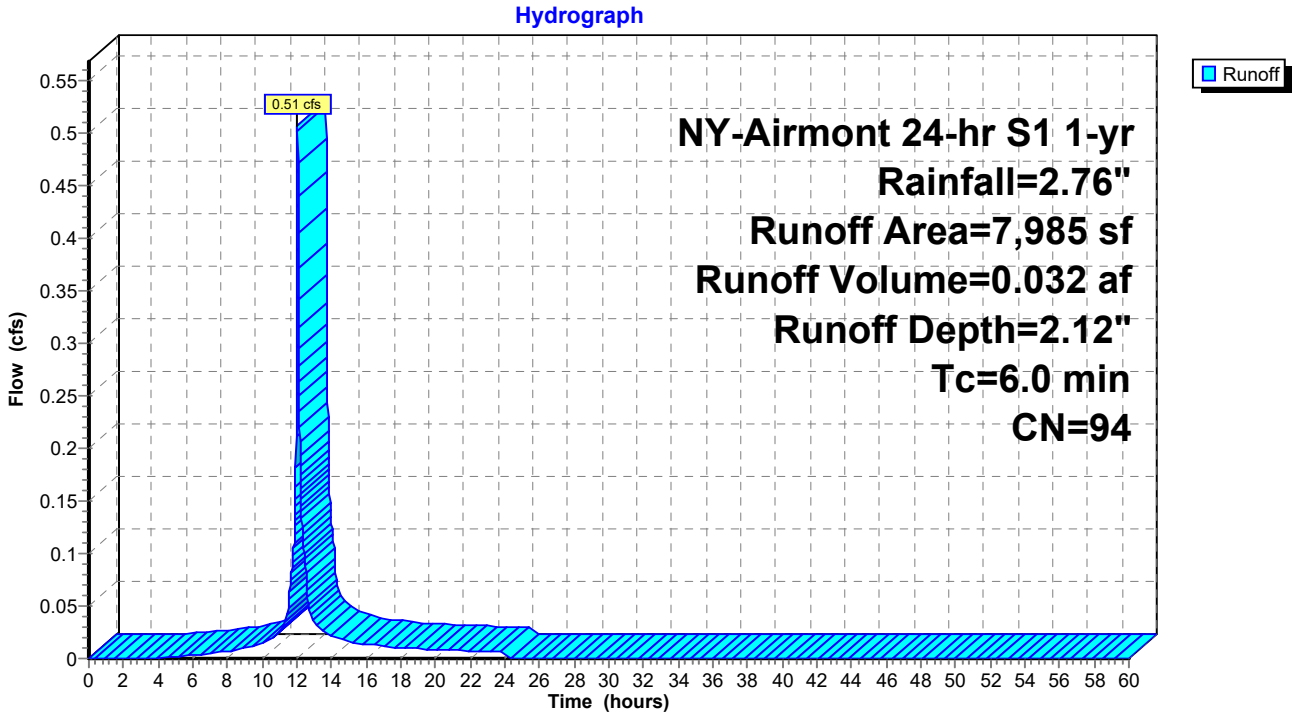
Runoff = 0.51 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 2.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,808	98	Paved parking, HSG C
7,985	94	Weighted Average
1,177		14.74% Pervious Area
6,808		85.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 40S: 40S



Summary for Subcatchment 41S: 41S

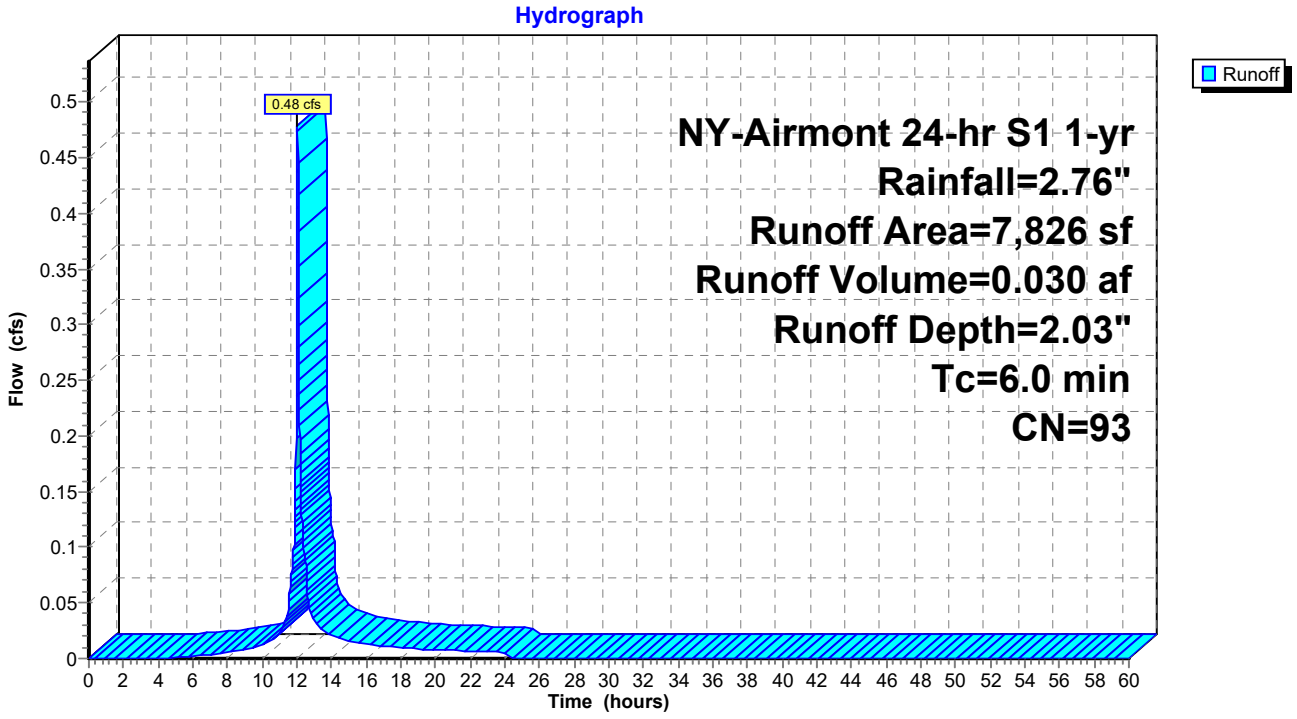
Runoff = 0.48 cfs @ 12.04 hrs, Volume= 0.030 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,777	74	>75% Grass cover, Good, HSG C
6,049	98	Paved parking, HSG C
7,826	93	Weighted Average
1,777		22.71% Pervious Area
6,049		77.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 41S: 41S



Summary for Subcatchment 42S: 42S

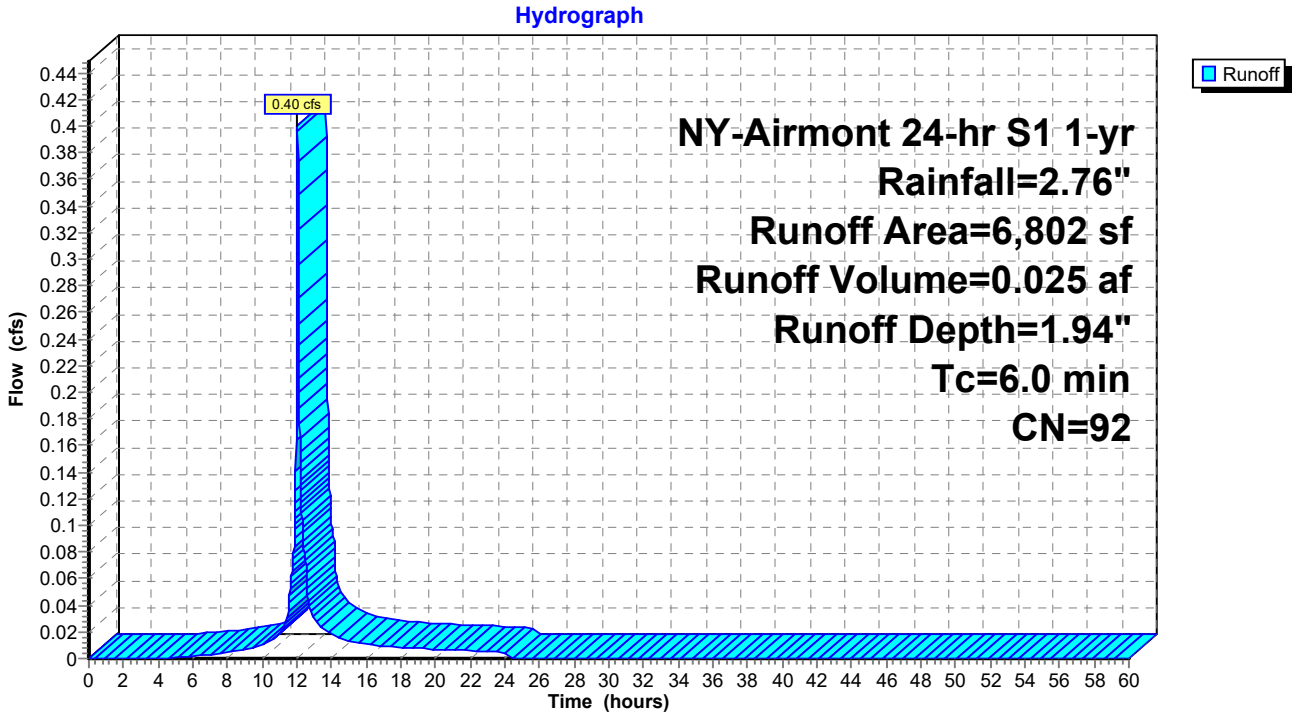
Runoff = 0.40 cfs @ 12.04 hrs, Volume= 0.025 af, Depth= 1.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,609	74	>75% Grass cover, Good, HSG C
5,193	98	Paved parking, HSG C
6,802	92	Weighted Average
1,609		23.65% Pervious Area
5,193		76.35% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 42S: 42S



Summary for Subcatchment 43S: 43S

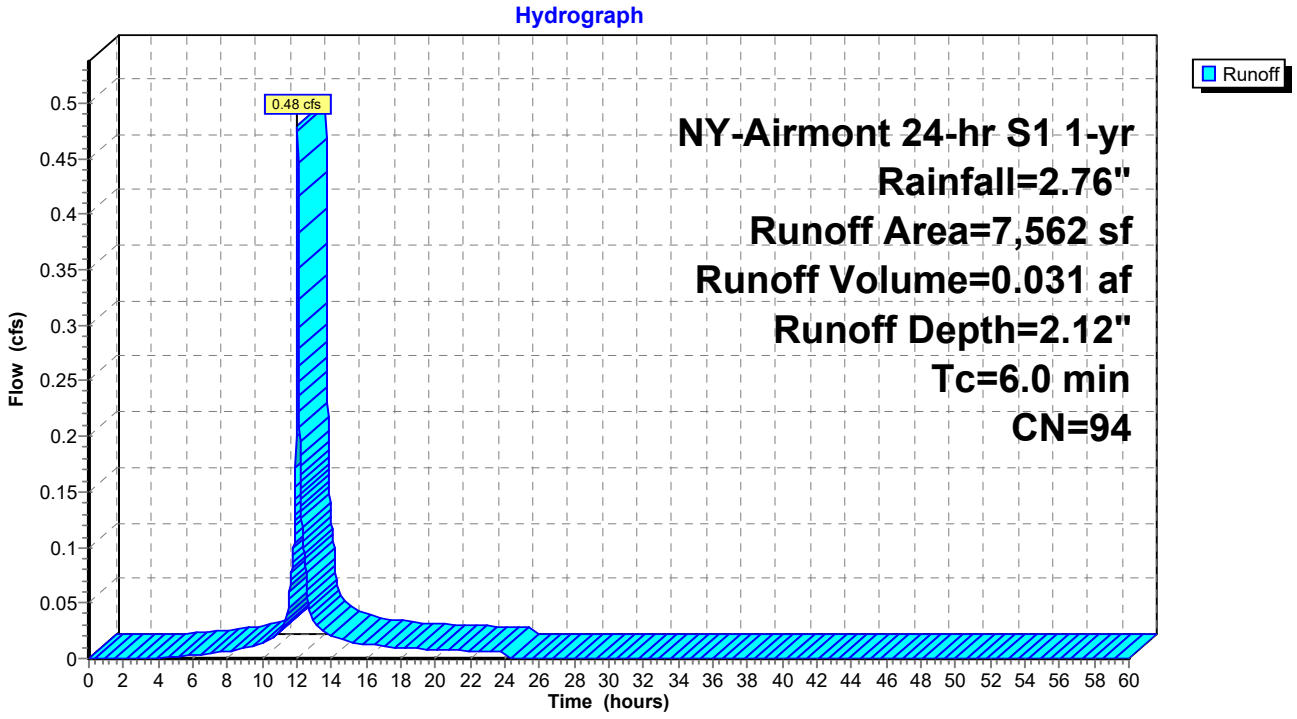
Runoff = 0.48 cfs @ 12.04 hrs, Volume= 0.031 af, Depth= 2.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,385	98	Paved parking, HSG C
7,562	94	Weighted Average
1,177		15.56% Pervious Area
6,385		84.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 43S: 43S



Summary for Subcatchment 44S: 44S

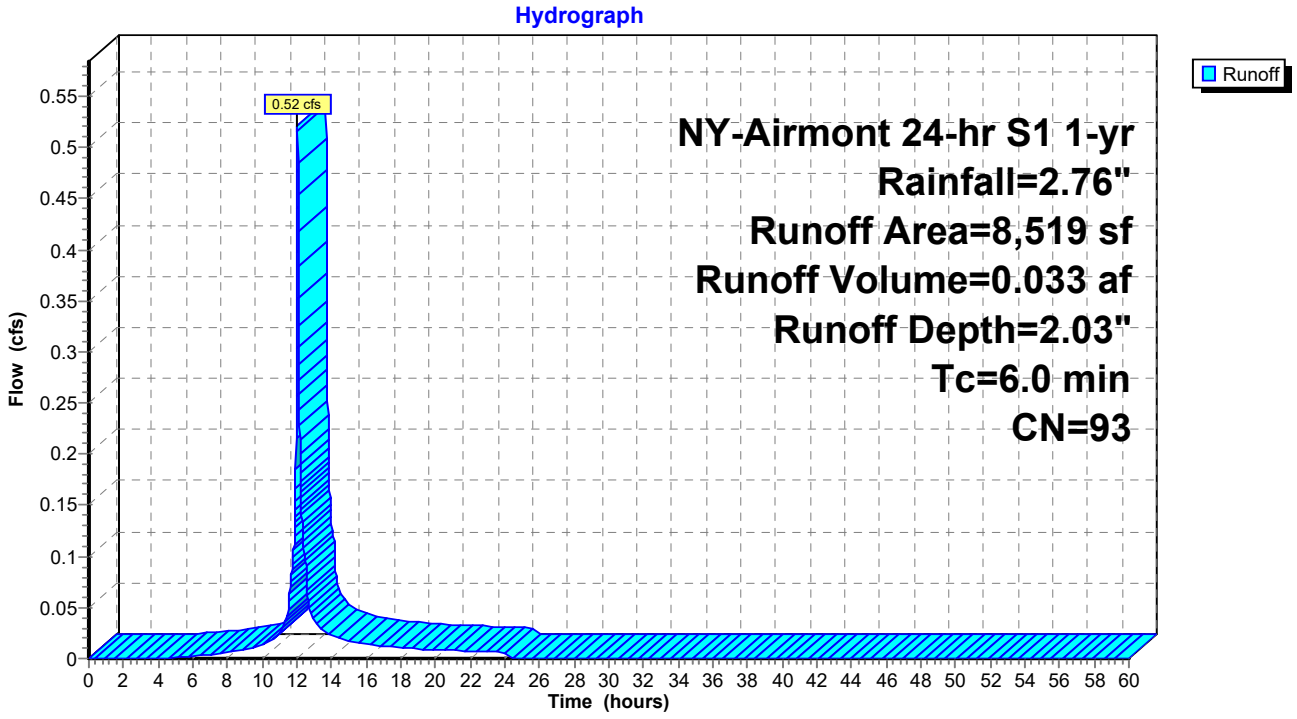
Runoff = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,832	74	>75% Grass cover, Good, HSG C
6,687	98	Paved parking, HSG C
8,519	93	Weighted Average
1,832		21.50% Pervious Area
6,687		78.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 44S: 44S



Summary for Subcatchment 45S: 45S

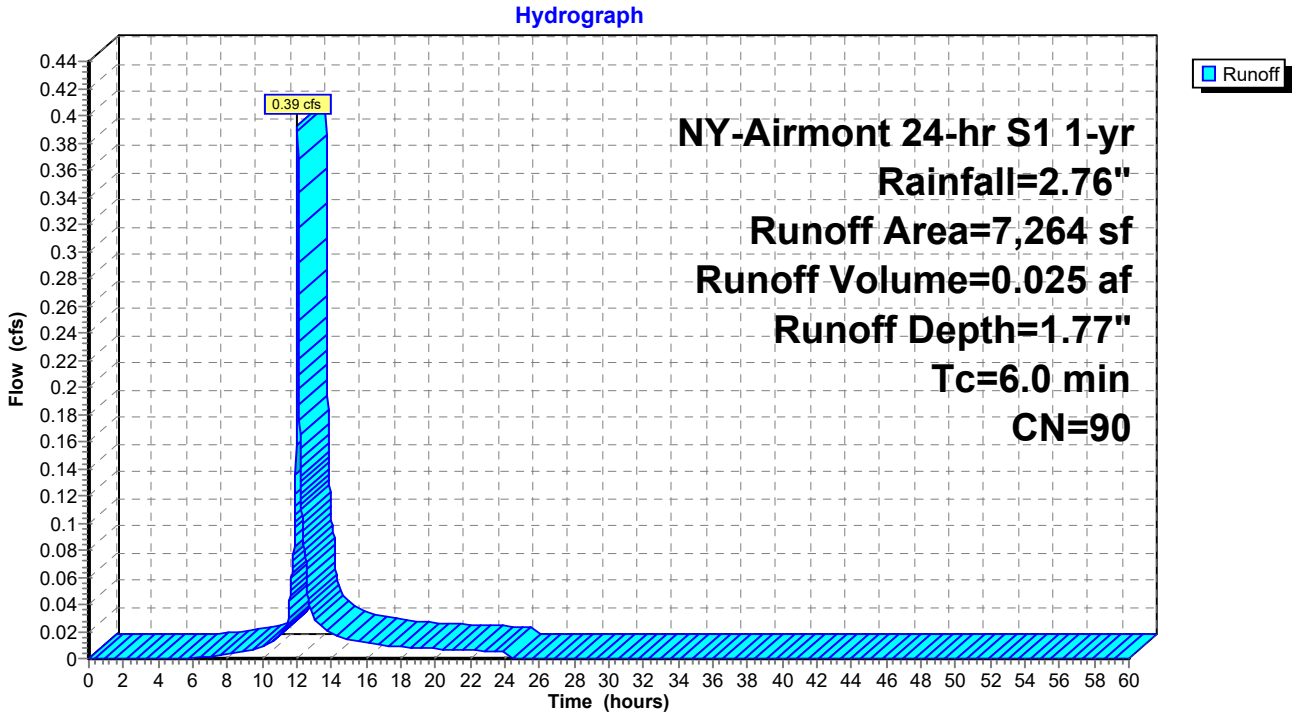
Runoff = 0.39 cfs @ 12.04 hrs, Volume= 0.025 af, Depth= 1.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
2,319	74	>75% Grass cover, Good, HSG C
4,945	98	Paved parking, HSG C
7,264	90	Weighted Average
2,319		31.92% Pervious Area
4,945		68.08% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 45S: 45S



Summary for Subcatchment 46S: 46S

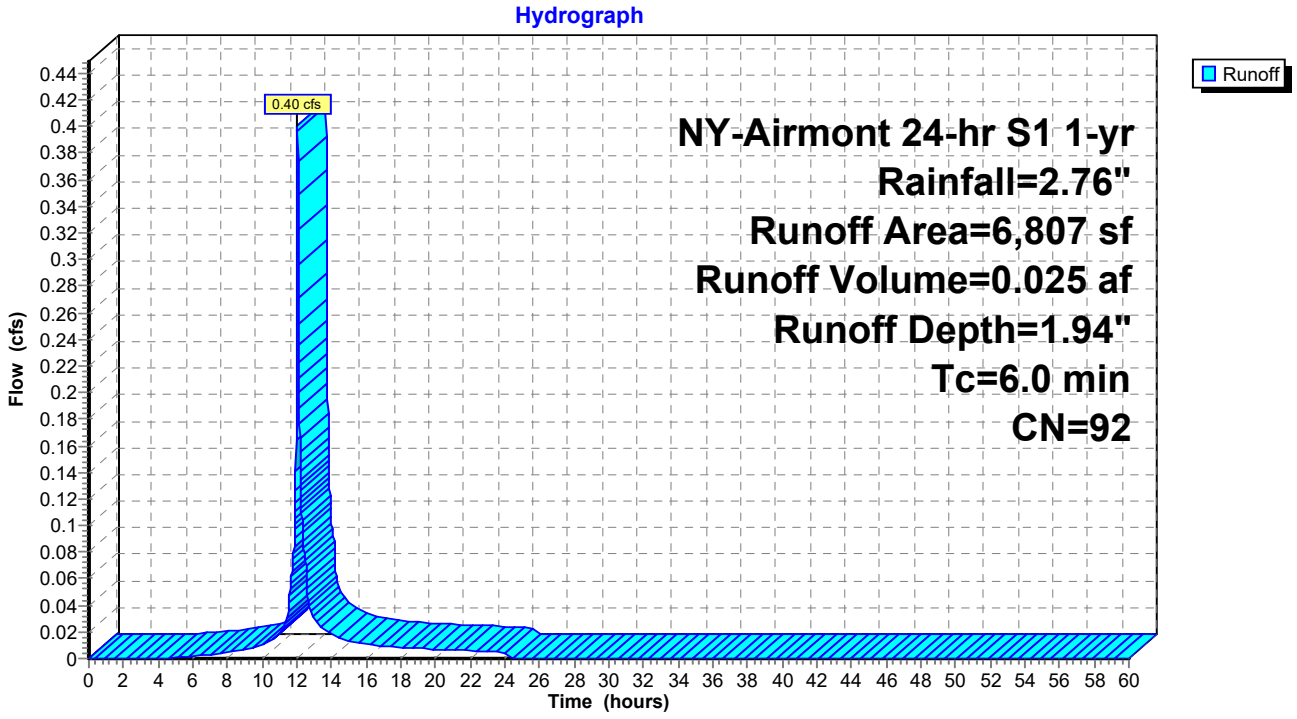
Runoff = 0.40 cfs @ 12.04 hrs, Volume= 0.025 af, Depth= 1.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
1,580	74	>75% Grass cover, Good, HSG C
5,227	98	Paved parking, HSG C
6,807	92	Weighted Average
1,580		23.21% Pervious Area
5,227		76.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 46S: 46S



Summary for Subcatchment 47S: 47S

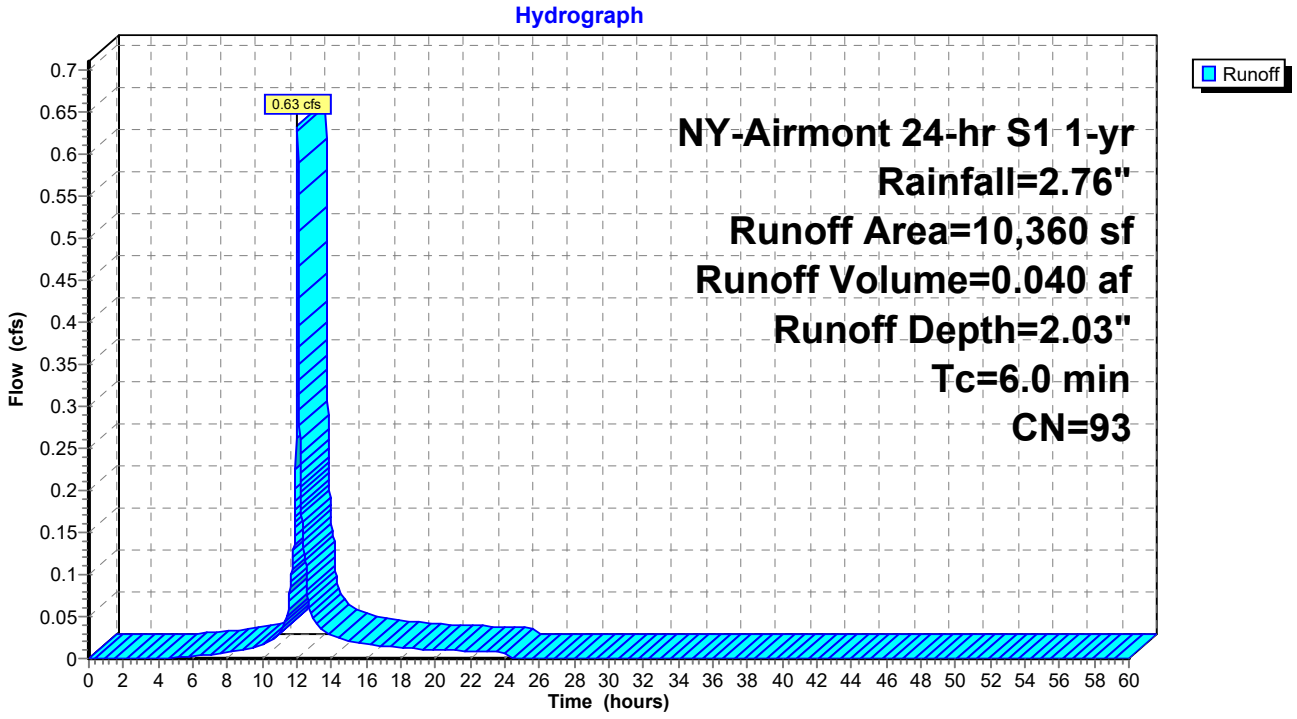
Runoff = 0.63 cfs @ 12.04 hrs, Volume= 0.040 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
8,250	98	Paved parking, HSG C
2,110	74	>75% Grass cover, Good, HSG C
10,360	93	Weighted Average
2,110		20.37% Pervious Area
8,250		79.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 47S: 47S



Summary for Subcatchment 48S: 48S

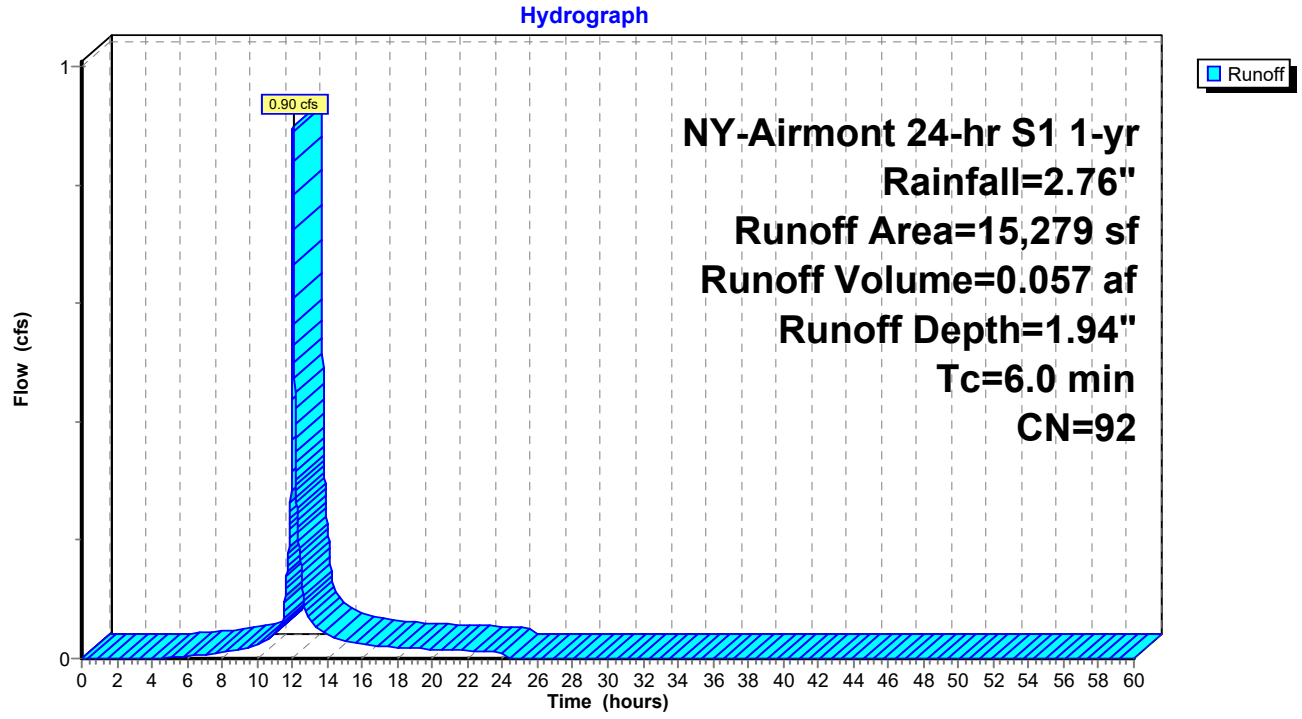
Runoff = 0.90 cfs @ 12.04 hrs, Volume= 0.057 af, Depth= 1.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
11,660	98	Paved parking, HSG C
3,619	74	>75% Grass cover, Good, HSG C
15,279	92	Weighted Average
3,619		23.69% Pervious Area
11,660		76.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 48S: 48S



Summary for Subcatchment 51S: 51S

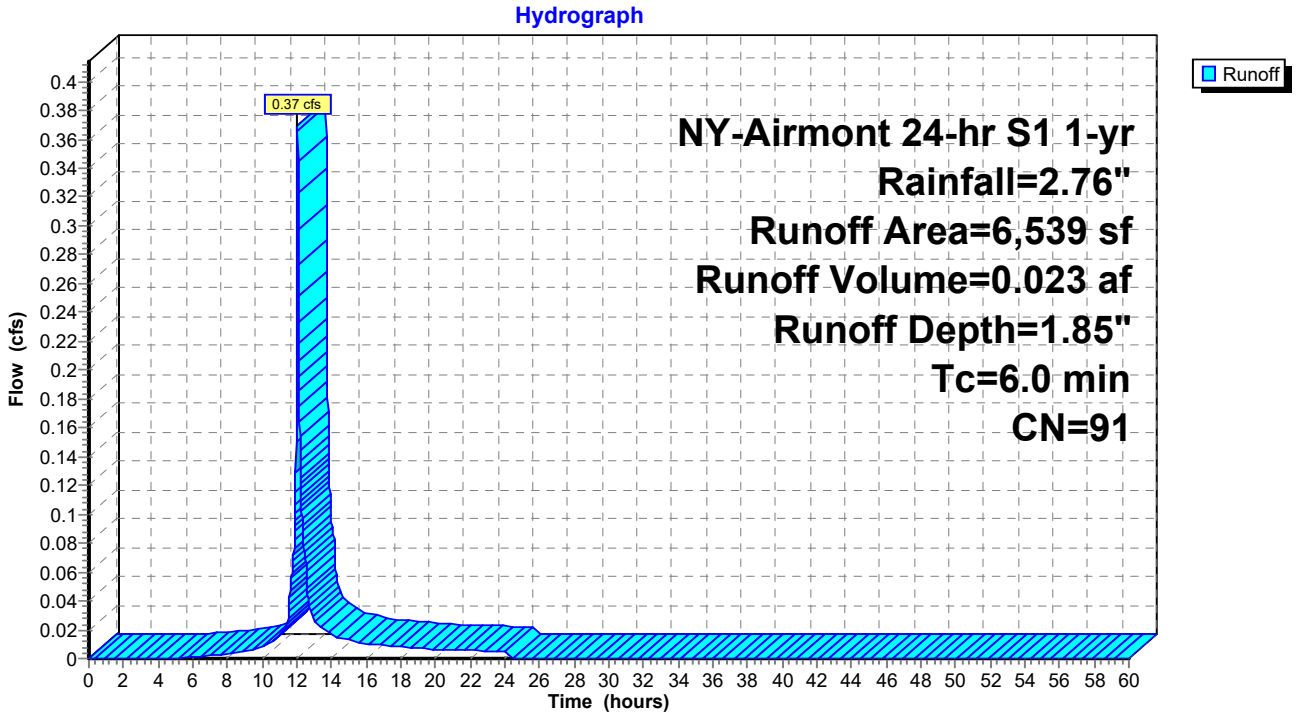
Runoff = 0.37 cfs @ 12.04 hrs, Volume= 0.023 af, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
4,620	98	Paved parking, HSG C
1,919	74	>75% Grass cover, Good, HSG C
6,539	91	Weighted Average
1,919		29.35% Pervious Area
4,620		70.65% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 51S: 51S



Summary for Subcatchment 52S: 52S

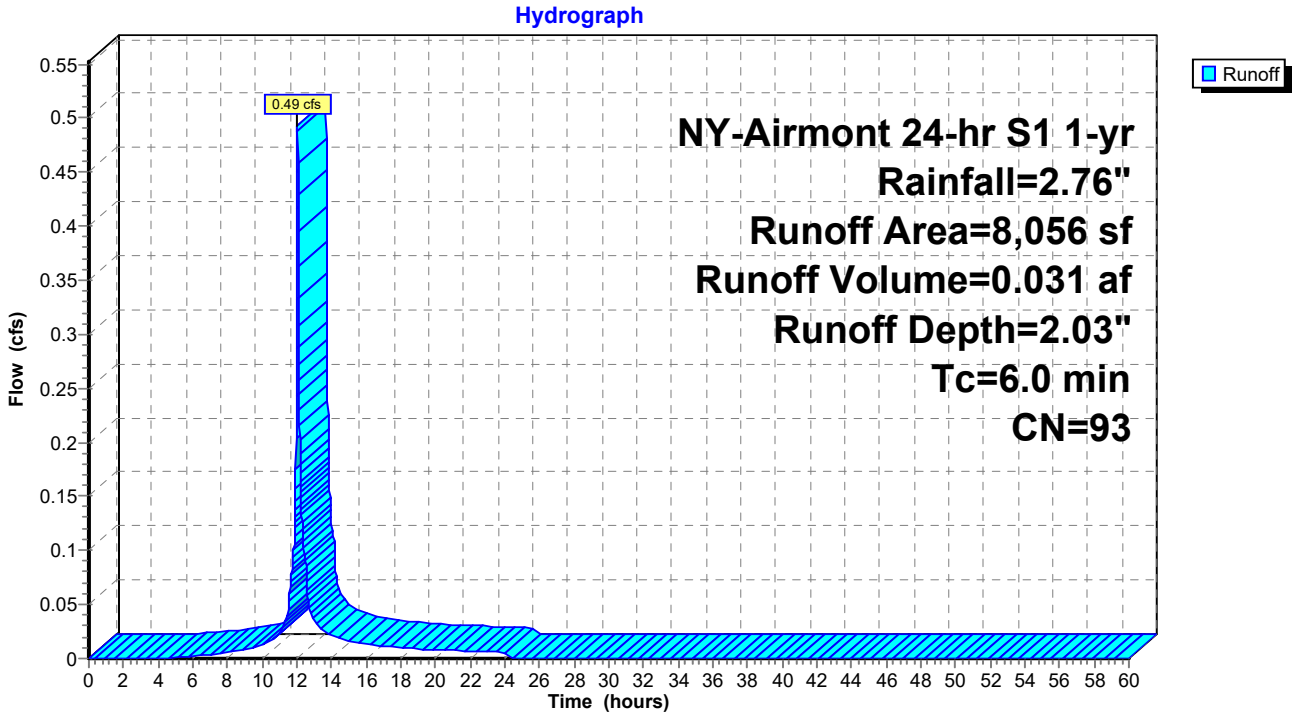
Runoff = 0.49 cfs @ 12.04 hrs, Volume= 0.031 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
6,501	98	Paved parking, HSG C
1,555	74	>75% Grass cover, Good, HSG C
8,056	93	Weighted Average
1,555		19.30% Pervious Area
6,501		80.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 52S: 52S



Summary for Subcatchment DA-3: DA-3

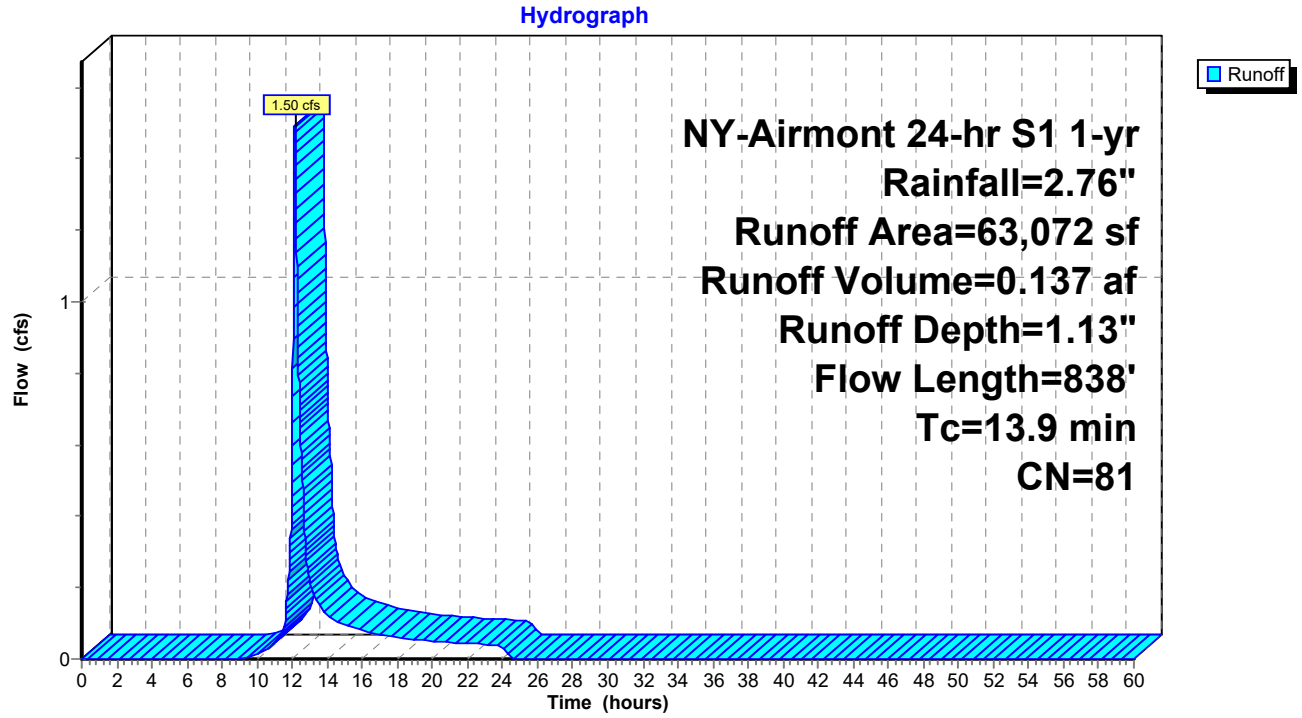
Runoff = 1.50 cfs @ 12.15 hrs, Volume= 0.137 af, Depth= 1.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
19,075	98	Unconnected pavement, HSG C
43,997	74	>75% Grass cover, Good, HSG C
63,072	81	Weighted Average
43,997		69.76% Pervious Area
19,075		30.24% Impervious Area
19,075		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.5	100	0.2500	0.48		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.5	60	0.1000	2.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
3.8	138	0.0075	0.61		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
6.1	540	0.0450	1.48		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
13.9	838	Total			

Subcatchment DA-3: DA-3



Summary for Subcatchment DA-5: DA-5

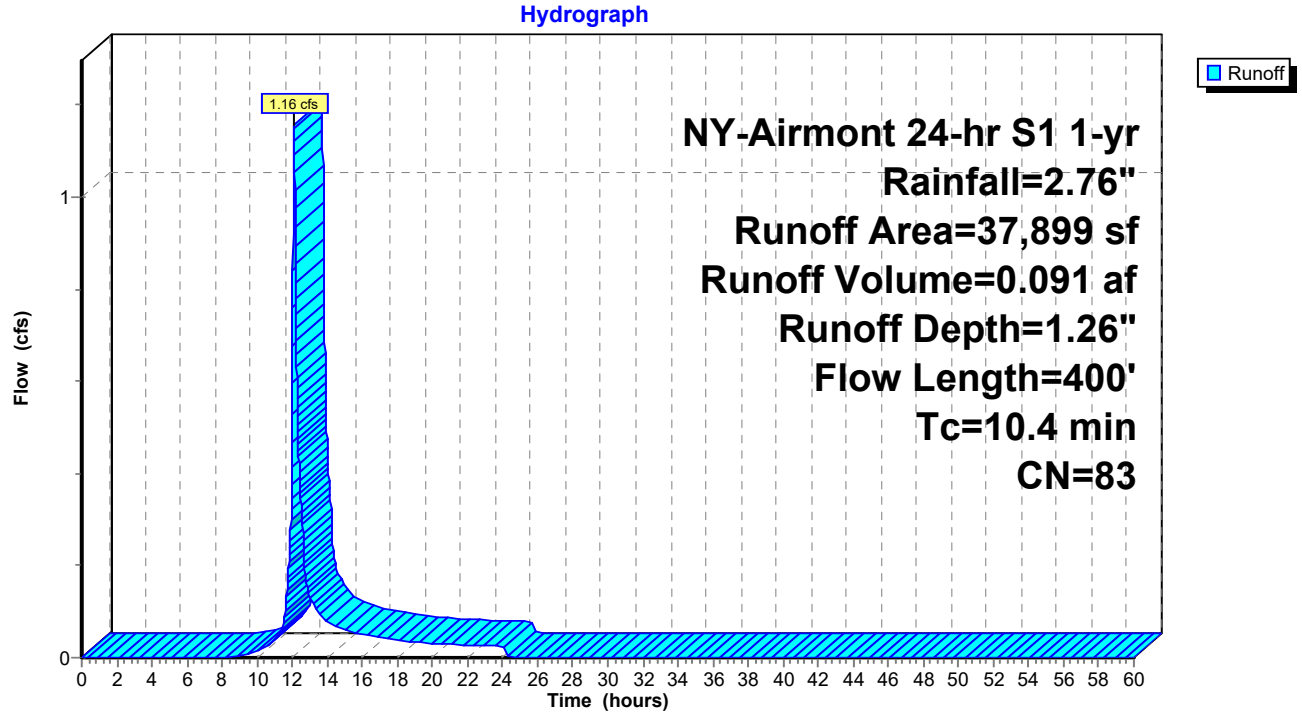
Runoff = 1.16 cfs @ 12.10 hrs, Volume= 0.091 af, Depth= 1.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
14,322	98	Paved parking, HSG C
23,577	74	>75% Grass cover, Good, HSG C
37,899	83	Weighted Average
23,577		62.21% Pervious Area
14,322		37.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1	25	0.2500	0.36		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.7	75	0.0400	0.22		**Sheet Flow, SF2** Grass: Short n= 0.150 P2= 3.37"
3.6	300	0.0400	1.40		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
10.4	400	Total			

Subcatchment DA-5: DA-5



Summary for Subcatchment DA-6: DA-6

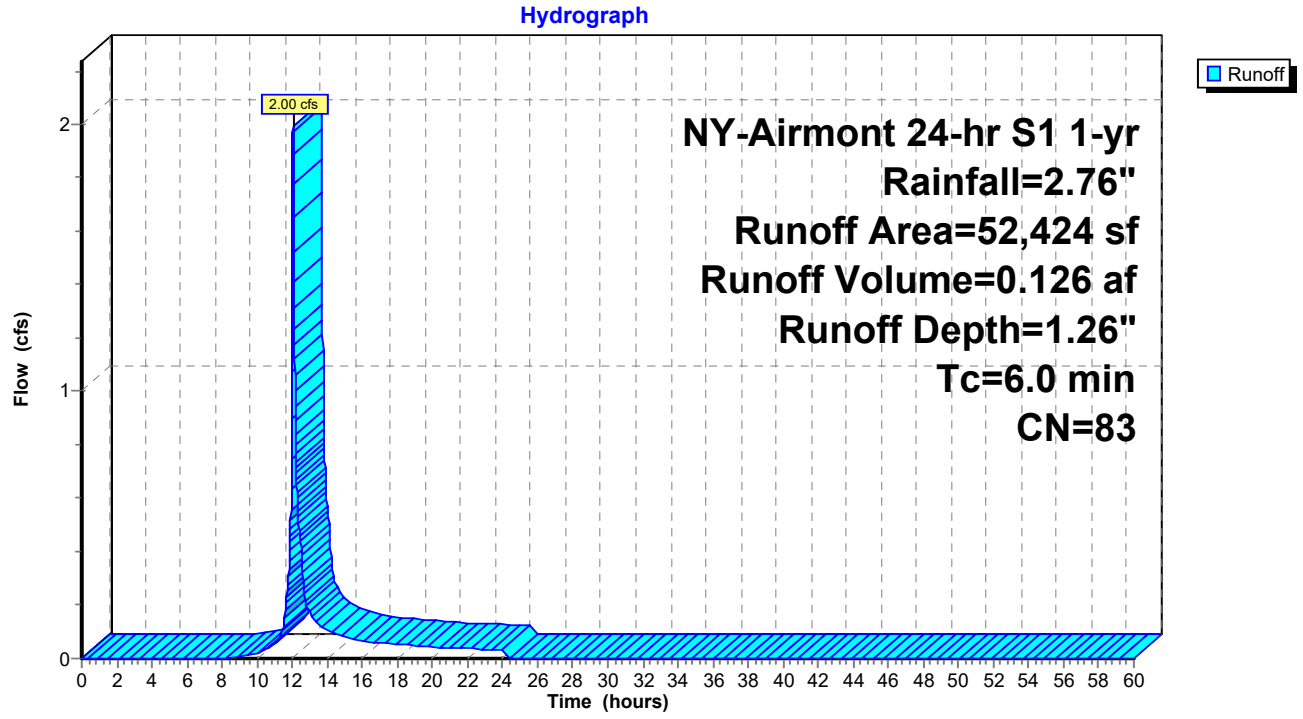
Runoff = 2.00 cfs @ 12.04 hrs, Volume= 0.126 af, Depth= 1.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
20,295	98	Paved parking, HSG C
32,129	74	>75% Grass cover, Good, HSG C
52,424	83	Weighted Average
32,129		61.29% Pervious Area
20,295		38.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-6: DA-6



Summary for Subcatchment DA-7: Conservation Area

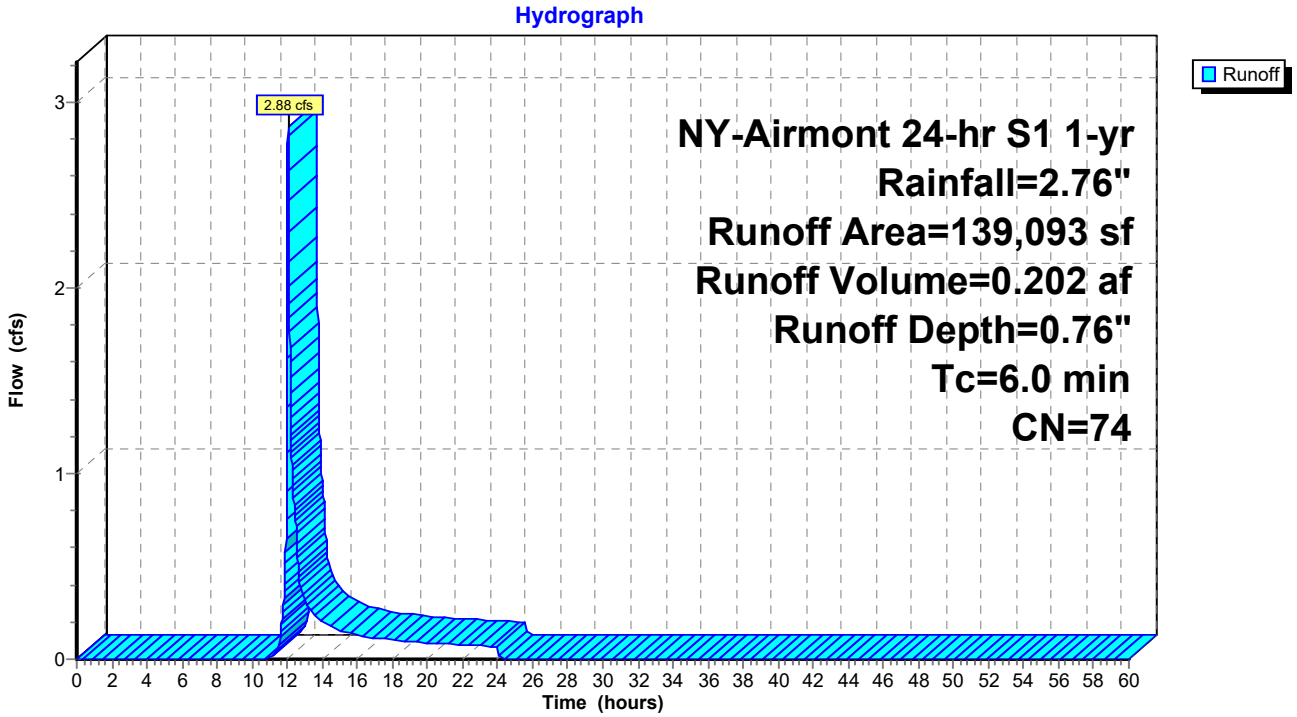
Runoff = 2.88 cfs @ 12.04 hrs, Volume= 0.202 af, Depth= 0.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 1-yr Rainfall=2.76"

Area (sf)	CN	Description
139,093	74	>75% Grass cover, Good, HSG C
139,093		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-7: Conservation Area



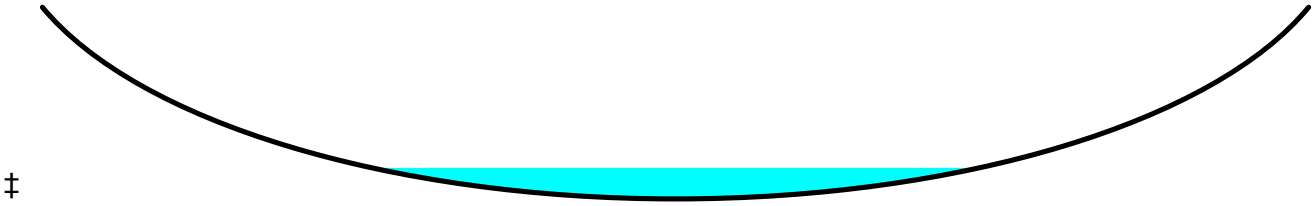
Summary for Reach 91R: Swale-North

Inflow Area = 1.448 ac, 30.24% Impervious, Inflow Depth = 1.13" for 1-yr event
Inflow = 1.50 cfs @ 12.15 hrs, Volume= 0.137 af
Outflow = 1.44 cfs @ 12.18 hrs, Volume= 0.137 af, Atten= 4%, Lag= 2.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Max. Velocity= 3.30 fps, Min. Travel Time= 2.7 min
Avg. Velocity = 1.24 fps, Avg. Travel Time= 7.2 min

Peak Storage= 236 cf @ 12.18 hrs
Average Depth at Peak Storage= 0.16'
Bank-Full Depth= 1.00' Flow Area= 6.7 sf, Capacity= 72.68 cfs

10.00' x 1.00' deep Parabolic Channel, n= 0.022 Earth, clean & straight
Length= 540.0' Slope= 0.0463 '/'
Inlet Invert= 395.00', Outlet Invert= 370.00'



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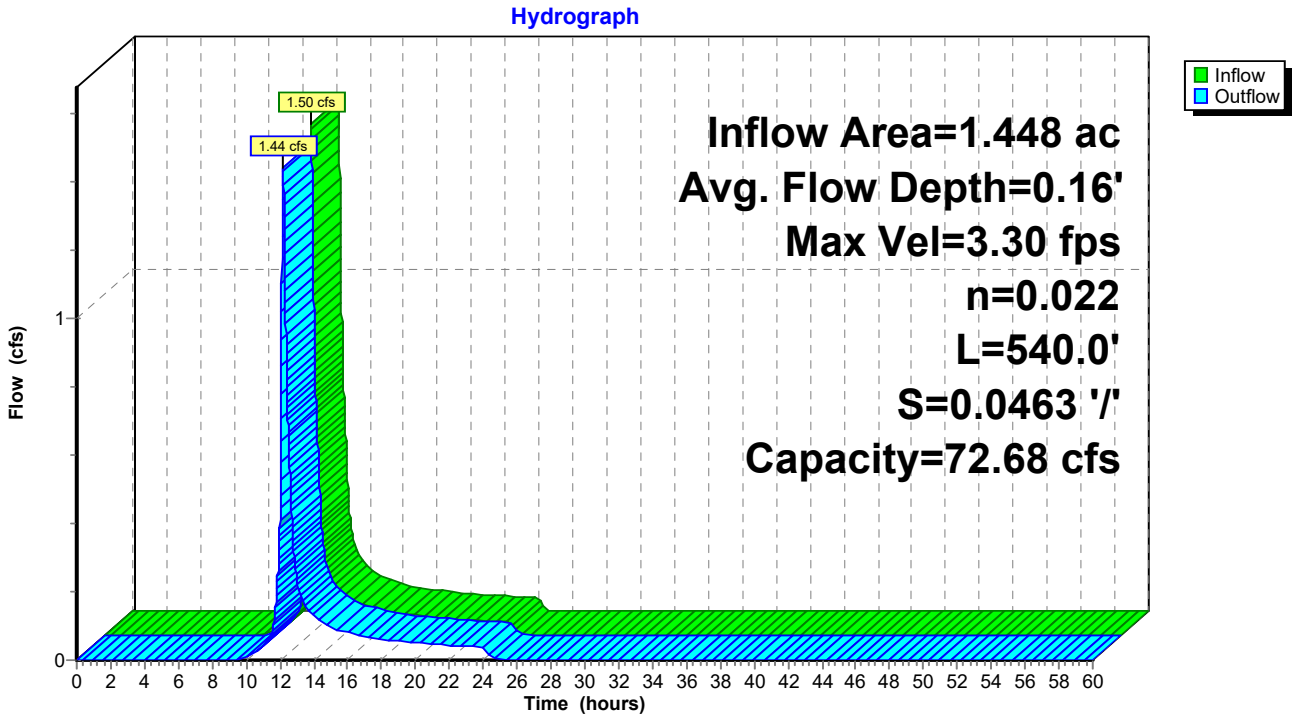
Reach 91R: Swale-North



Summary for Pond 6P: Pond

Inflow Area = 11.803 ac, 62.78% Impervious, Inflow Depth = 1.46" for 1-yr event
Inflow = 19.51 cfs @ 12.04 hrs, Volume= 1.433 af
Outflow = 17.30 cfs @ 12.07 hrs, Volume= 1.423 af, Atten= 11%, Lag= 2.0 min
Primary = 17.30 cfs @ 12.07 hrs, Volume= 1.423 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Starting Elev= 364.00' Surf.Area= 4,172 sf Storage= 10,075 cf
Peak Elev= 364.62' @ 12.07 hrs Surf.Area= 6,813 sf Storage= 13,451 cf (3,377 cf above start)
Flood Elev= 369.25' Surf.Area= 14,394 sf Storage= 62,463 cf (52,388 cf above start)

Plug-Flow detention time= 128.1 min calculated for 1.192 af (83% of inflow)
Center-of-Mass det. time= 9.4 min (835.6 - 826.3)

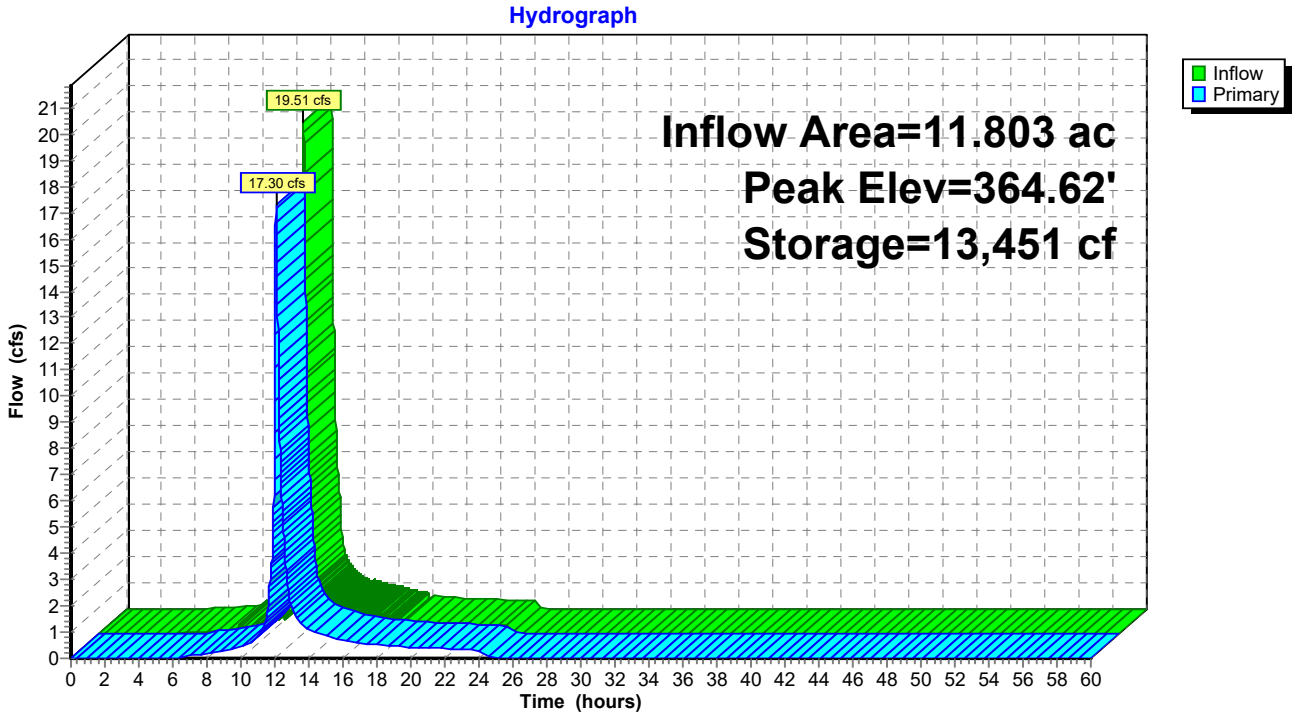
Volume	Invert	Avail.Storage	Storage Description
#1	361.00'	62,463 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
361.00	2,571	498.0	0	0	2,571
362.00	3,090	510.0	2,827	2,827	3,658
363.00	3,624	522.0	3,353	6,180	4,770
364.00	4,172	534.0	3,895	10,075	5,908
365.00	8,742	623.0	6,318	16,392	14,123
366.00	10,098	647.0	9,412	25,804	16,630
367.00	11,501	664.0	10,792	36,596	18,521
368.00	12,933	679.0	12,210	48,806	20,259
369.00	14,394	695.0	13,657	62,463	22,139

Device	Routing	Invert	Outlet Devices
#1	Primary	364.10'	**6.0" Vert. WQv X 8.00** C= 0.600
#2	Primary	364.10'	**60.0 deg x 11.0' long x 4.75' rise 10-yr** Cv= 2.53 (C= 3.16)

Primary OutFlow Max=17.27 cfs @ 12.07 hrs HW=364.62' TW=0.00' (Dynamic Tailwater)
1=WQv (Orifice Controls 3.93 cfs @ 2.50 fps)
2=10-yr (Weir Controls 13.34 cfs @ 2.27 fps)

Pond 6P: Pond


Hydrograph
Inflow
Primary
19.51 cfs
17.30 cfs
Inflow Area=11.803 ac
Peak Elev=364.62'
Storage=13,451 cf
Flow (cfs)
Time (hours)

Summary for Pond 10P: WQU69

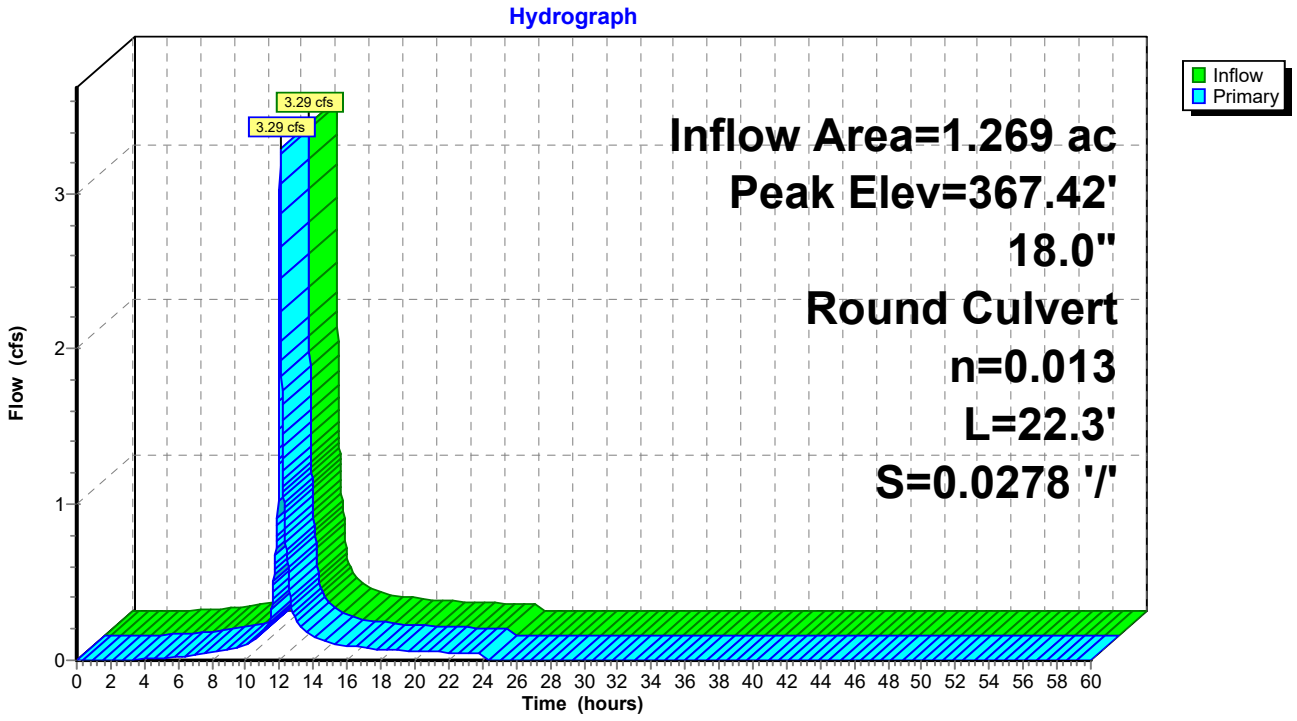
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 2.10" for 1-yr event
Inflow = 3.29 cfs @ 12.04 hrs, Volume= 0.222 af
Outflow = 3.29 cfs @ 12.04 hrs, Volume= 0.222 af, Atten= 0%, Lag= 0.0 min
Primary = 3.29 cfs @ 12.04 hrs, Volume= 0.222 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.42' @ 12.04 hrs
Flood Elev= 369.42'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.43'	**18.0" Round Culvert** L= 22.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.43' / 365.81' S= 0.0278 '/' Cc= 0.900 n= 0.013 Concrete pipe, bends & connections, Flow Area= 1.77 sf

Primary OutFlow Max=3.28 cfs @ 12.04 hrs HW=367.41' TW=364.58' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.28 cfs @ 2.67 fps)

Pond 10P: WQU69



Summary for Pond 52P: CB2

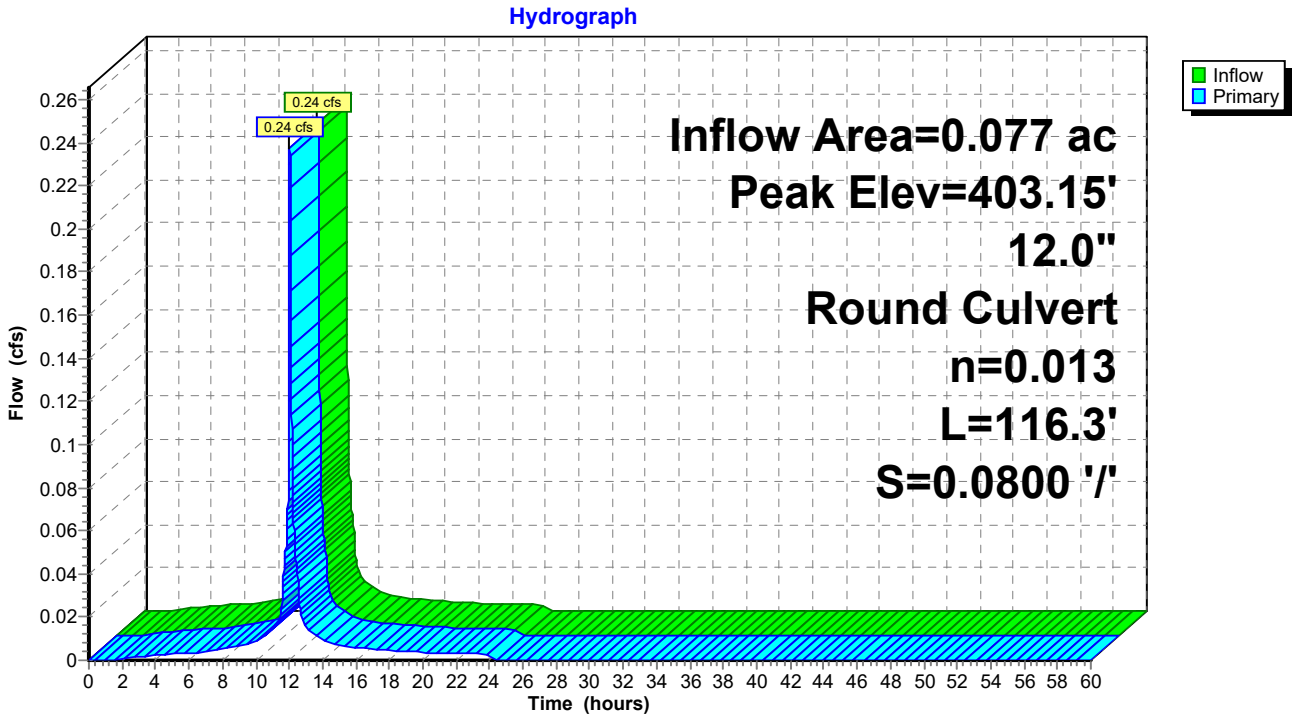
Inflow Area = 0.077 ac,100.00% Impervious, Inflow Depth = 2.53" for 1-yr event
Inflow = 0.24 cfs @ 12.04 hrs, Volume= 0.016 af
Outflow = 0.24 cfs @ 12.04 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.0 min
Primary = 0.24 cfs @ 12.04 hrs, Volume= 0.016 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.15' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	402.88'	**12.0" Round Culvert** L= 116.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 402.88' / 393.58' S= 0.0800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.24 cfs @ 12.04 hrs HW=403.15' TW=394.07' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.24 cfs @ 1.39 fps)

Pond 52P: CB2



Summary for Pond 53P: CB1

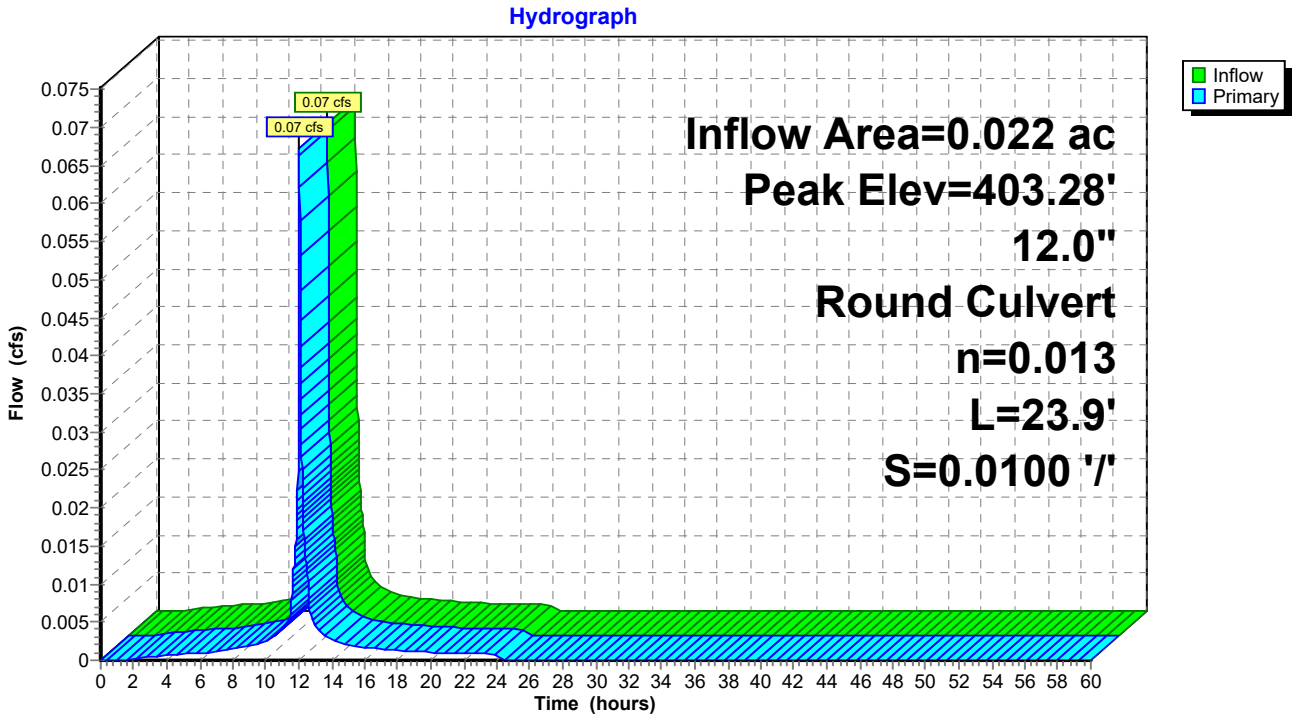
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth = 2.53" for 1-yr event
Inflow = 0.07 cfs @ 12.04 hrs, Volume= 0.005 af
Outflow = 0.07 cfs @ 12.04 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.0 min
Primary = 0.07 cfs @ 12.04 hrs, Volume= 0.005 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.28' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	403.12'	**12.0" Round Culvert** L= 23.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 403.12' / 402.88' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.07 cfs @ 12.04 hrs HW=403.28' TW=403.15' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.07 cfs @ 1.24 fps)

Pond 53P: CB1



Summary for Pond 54P: CB3

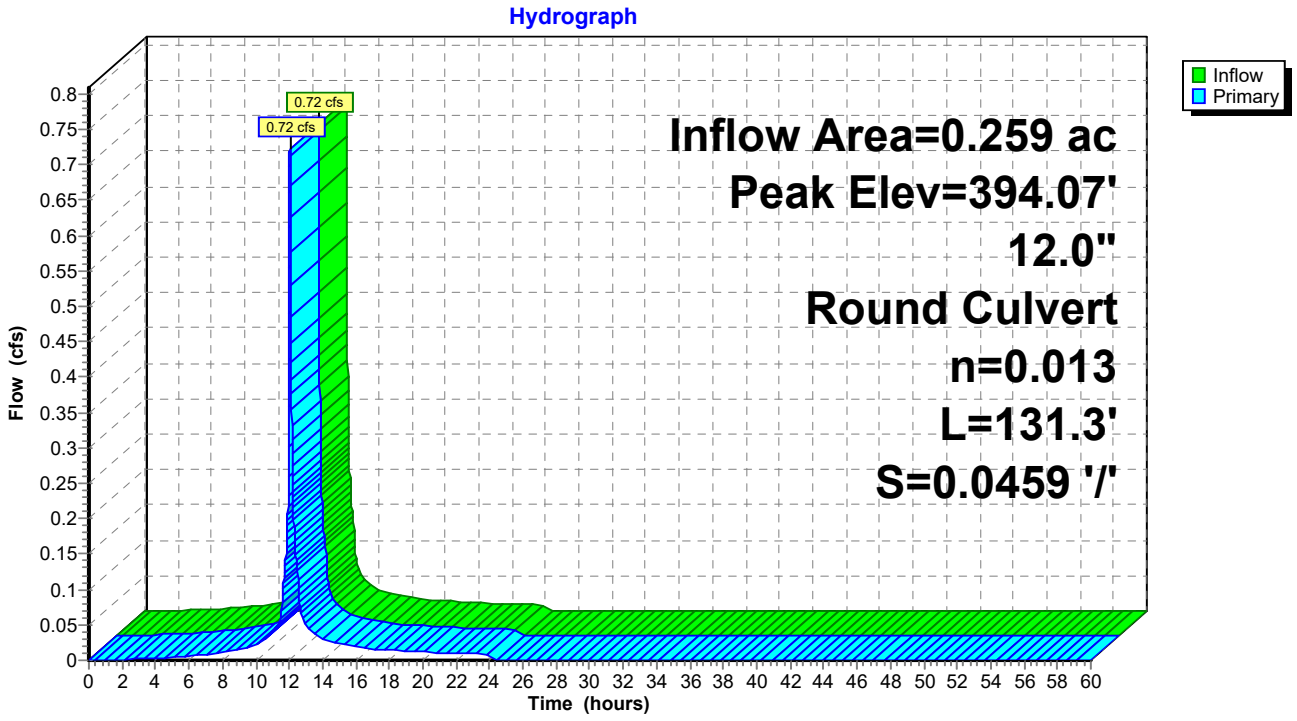
Inflow Area = 0.259 ac, 85.57% Impervious, Inflow Depth = 2.17" for 1-yr event
Inflow = 0.72 cfs @ 12.04 hrs, Volume= 0.047 af
Outflow = 0.72 cfs @ 12.04 hrs, Volume= 0.047 af, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 12.04 hrs, Volume= 0.047 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 394.07' @ 12.04 hrs
Flood Elev= 398.26'

Device	Routing	Invert	Outlet Devices
#1	Primary	393.58'	**12.0" Round Culvert** L= 131.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 393.58' / 387.55' S= 0.0459 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.72 cfs @ 12.04 hrs HW=394.07' TW=388.25' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.72 cfs @ 1.88 fps)

Pond 54P: CB3



Summary for Pond 55P: CB11

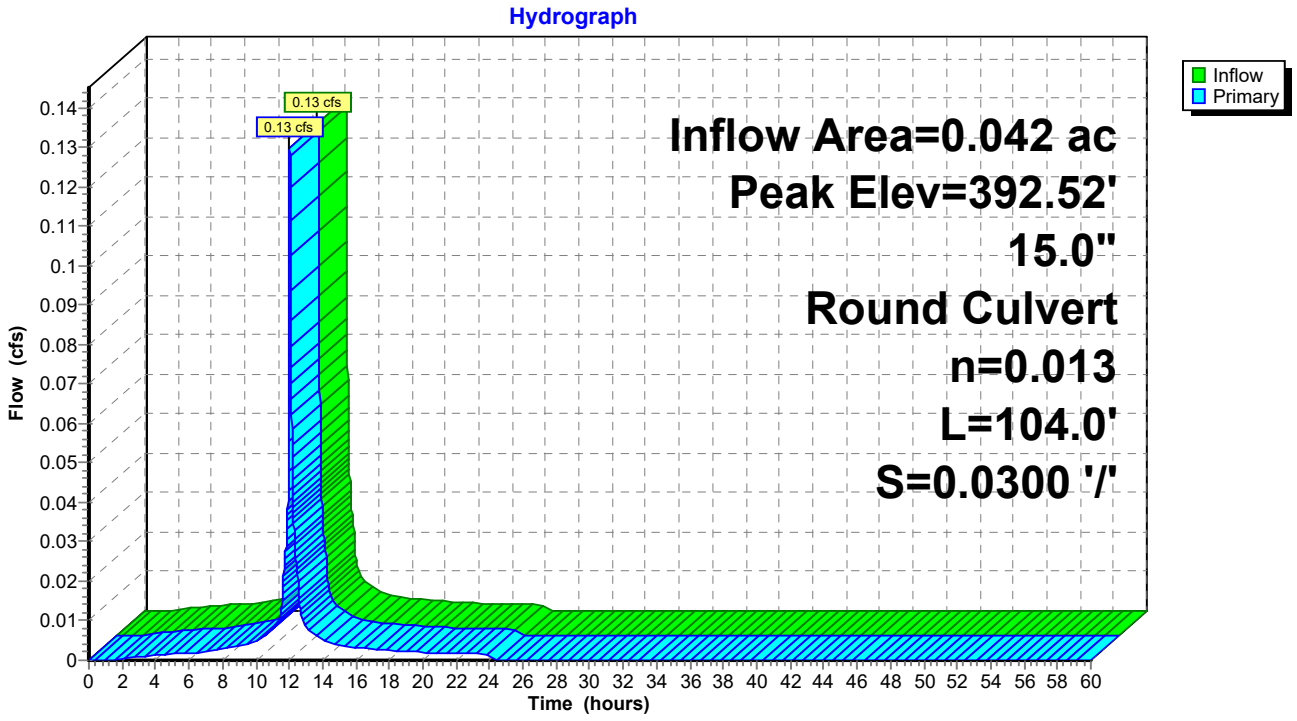
Inflow Area = 0.042 ac,100.00% Impervious, Inflow Depth = 2.53" for 1-yr event
Inflow = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af
Outflow = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 392.52' @ 12.04 hrs
Flood Elev= 396.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	392.34'	**15.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 392.34' / 389.22' S= 0.0300 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.13 cfs @ 12.04 hrs HW=392.52' TW=389.77' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.13 cfs @ 1.15 fps)

Pond 55P: CB11



Summary for Pond 56P: CB12

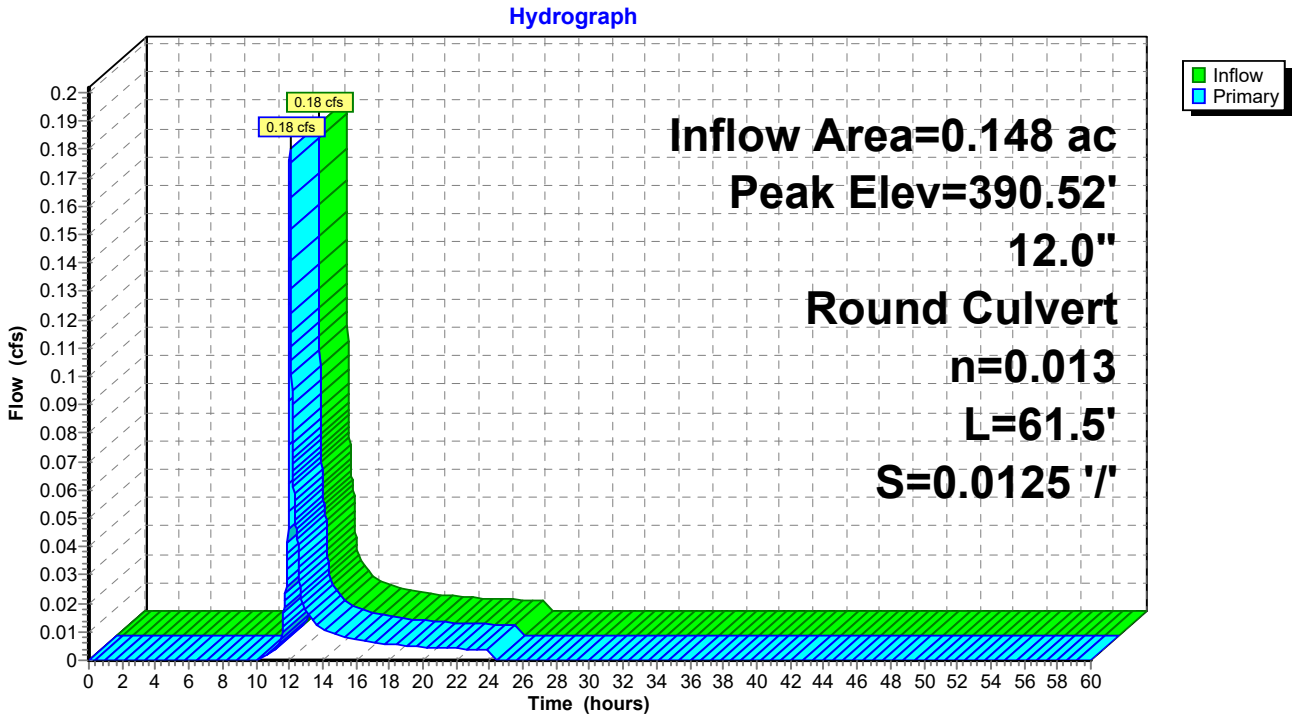
Inflow Area = 0.148 ac, 14.93% Impervious, Inflow Depth = 0.96" for 1-yr event
Inflow = 0.18 cfs @ 12.04 hrs, Volume= 0.012 af
Outflow = 0.18 cfs @ 12.04 hrs, Volume= 0.012 af, Atten= 0%, Lag= 0.0 min
Primary = 0.18 cfs @ 12.04 hrs, Volume= 0.012 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.52' @ 12.04 hrs
Flood Elev= 395.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	390.29'	**12.0" Round Culvert** L= 61.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 390.29' / 389.52' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.18 cfs @ 12.04 hrs HW=390.52' TW=389.77' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.18 cfs @ 1.30 fps)

Pond 56P: CB12



Summary for Pond 57P: CB13

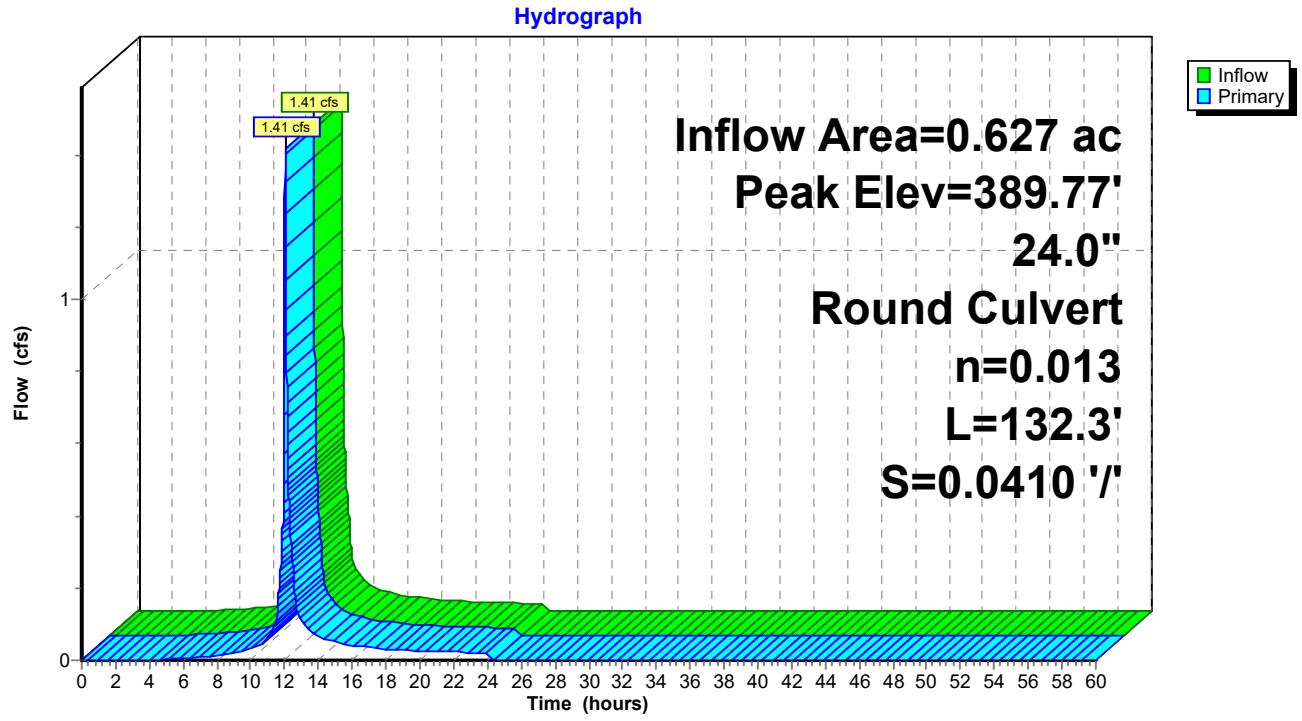
Inflow Area = 0.627 ac, 60.79% Impervious, Inflow Depth = 1.72" for 1-yr event
Inflow = 1.41 cfs @ 12.04 hrs, Volume= 0.090 af
Outflow = 1.41 cfs @ 12.04 hrs, Volume= 0.090 af, Atten= 0%, Lag= 0.0 min
Primary = 1.41 cfs @ 12.04 hrs, Volume= 0.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 389.77' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.22'	**24.0" Round Culvert** L= 132.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.22' / 383.79' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=1.41 cfs @ 12.04 hrs HW=389.77' TW=384.69' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.41 cfs @ 2.00 fps)

Pond 57P: CB13



Summary for Pond 58P: CB39

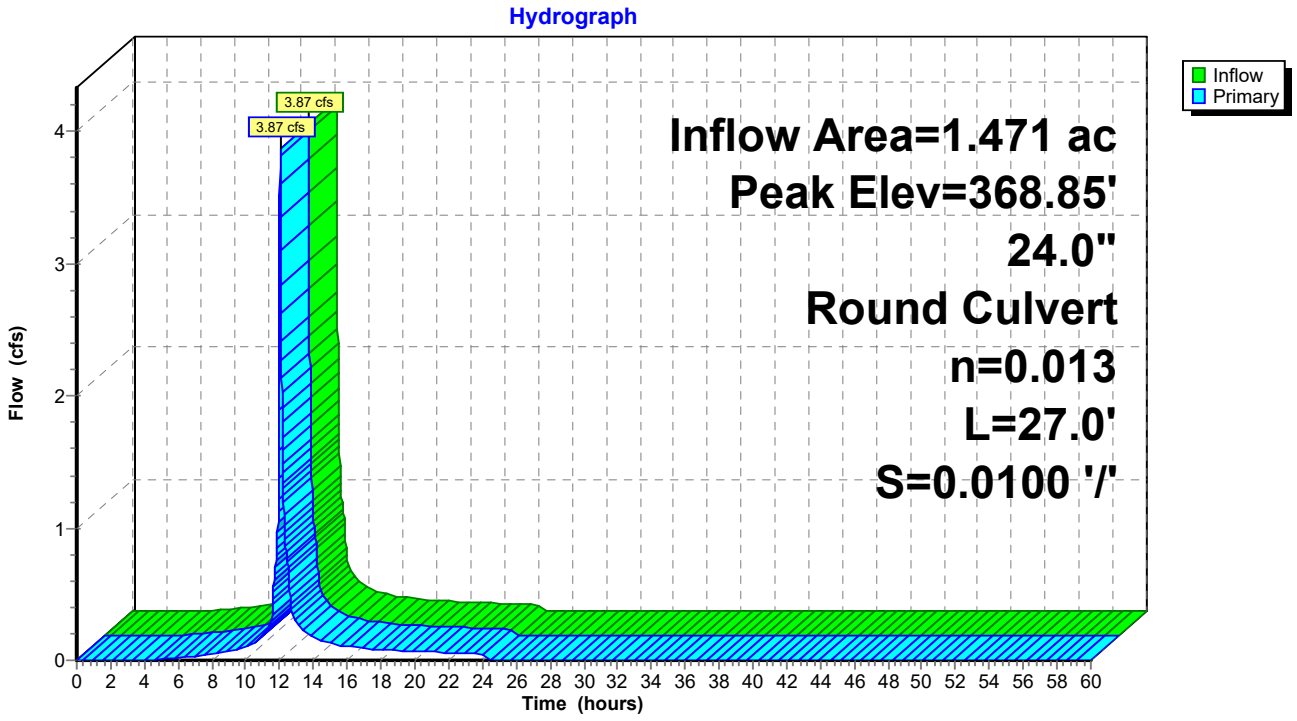
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 1.99" for 1-yr event
Inflow = 3.87 cfs @ 12.04 hrs, Volume= 0.245 af
Outflow = 3.87 cfs @ 12.04 hrs, Volume= 0.245 af, Atten= 0%, Lag= 0.0 min
Primary = 3.87 cfs @ 12.04 hrs, Volume= 0.245 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.85' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.71'	**24.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.71' / 367.44' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.86 cfs @ 12.04 hrs HW=368.85' TW=368.52' (Dynamic Tailwater)
1=Culvert (Outlet Controls 3.86 cfs @ 3.02 fps)

Pond 58P: CB39



Summary for Pond 59P: CB14

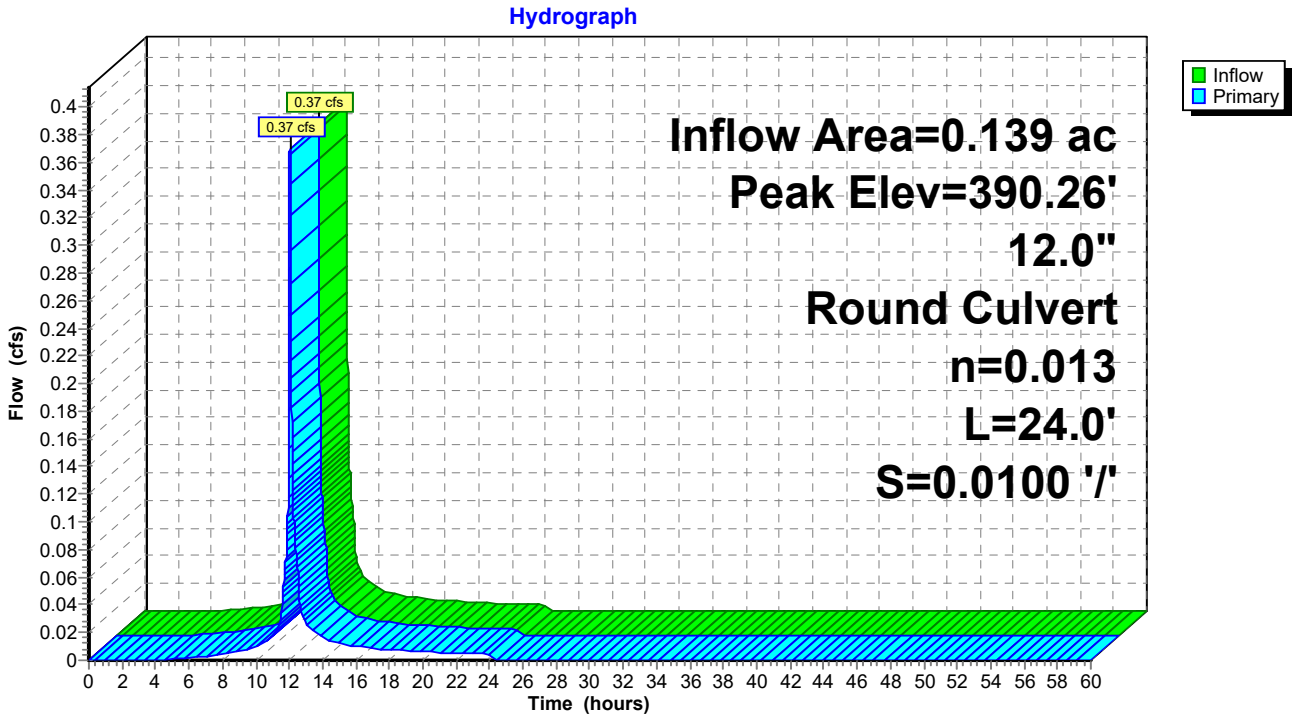
Inflow Area = 0.139 ac, 79.57% Impervious, Inflow Depth = 2.03" for 1-yr event
Inflow = 0.37 cfs @ 12.04 hrs, Volume= 0.023 af
Outflow = 0.37 cfs @ 12.04 hrs, Volume= 0.023 af, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 12.04 hrs, Volume= 0.023 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.26' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.92'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.92' / 389.68' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.04 hrs HW=390.26' TW=389.77' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.37 cfs @ 1.57 fps)

Pond 59P: CB14



Summary for Pond 60P: CB16

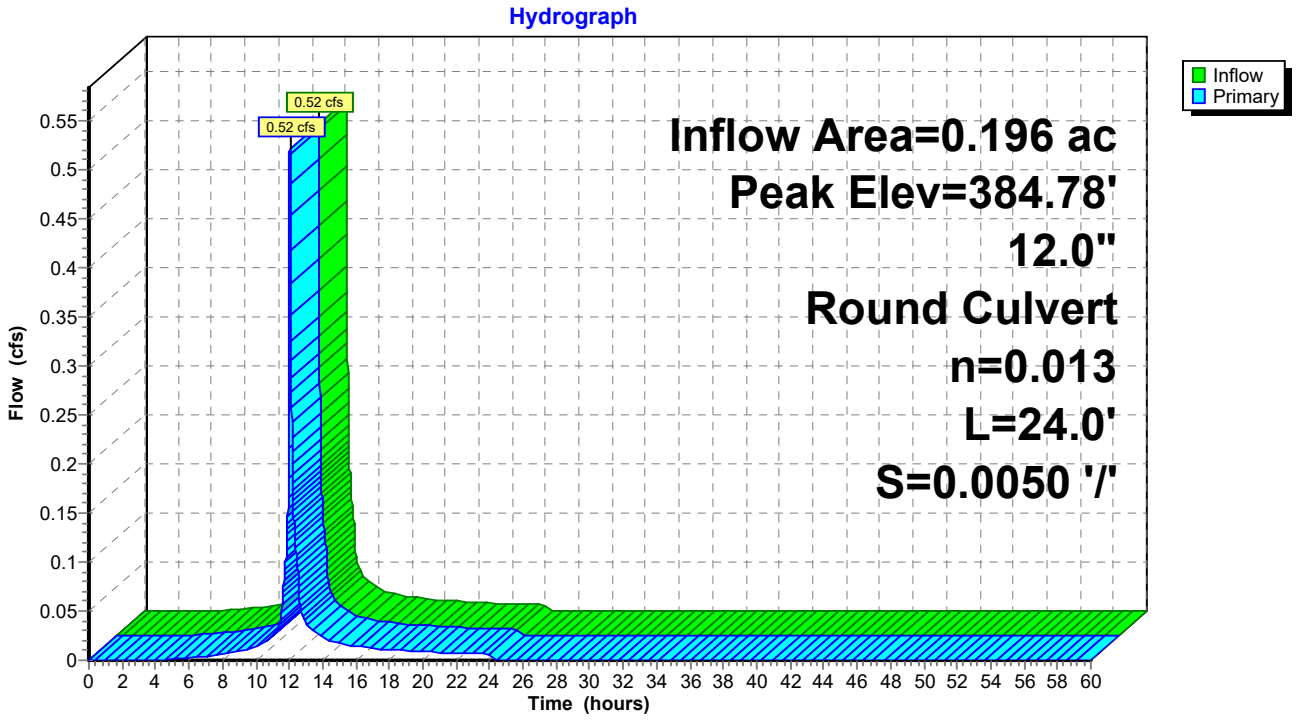
Inflow Area = 0.196 ac, 81.20% Impervious, Inflow Depth = 2.03" for 1-yr event
Inflow = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af
Outflow = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 384.78' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	384.16'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 384.16' / 384.04' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.52 cfs @ 12.04 hrs HW=384.78' TW=384.69' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.52 cfs @ 1.46 fps)

Pond 60P: CB16



Summary for Pond 61P: CB15

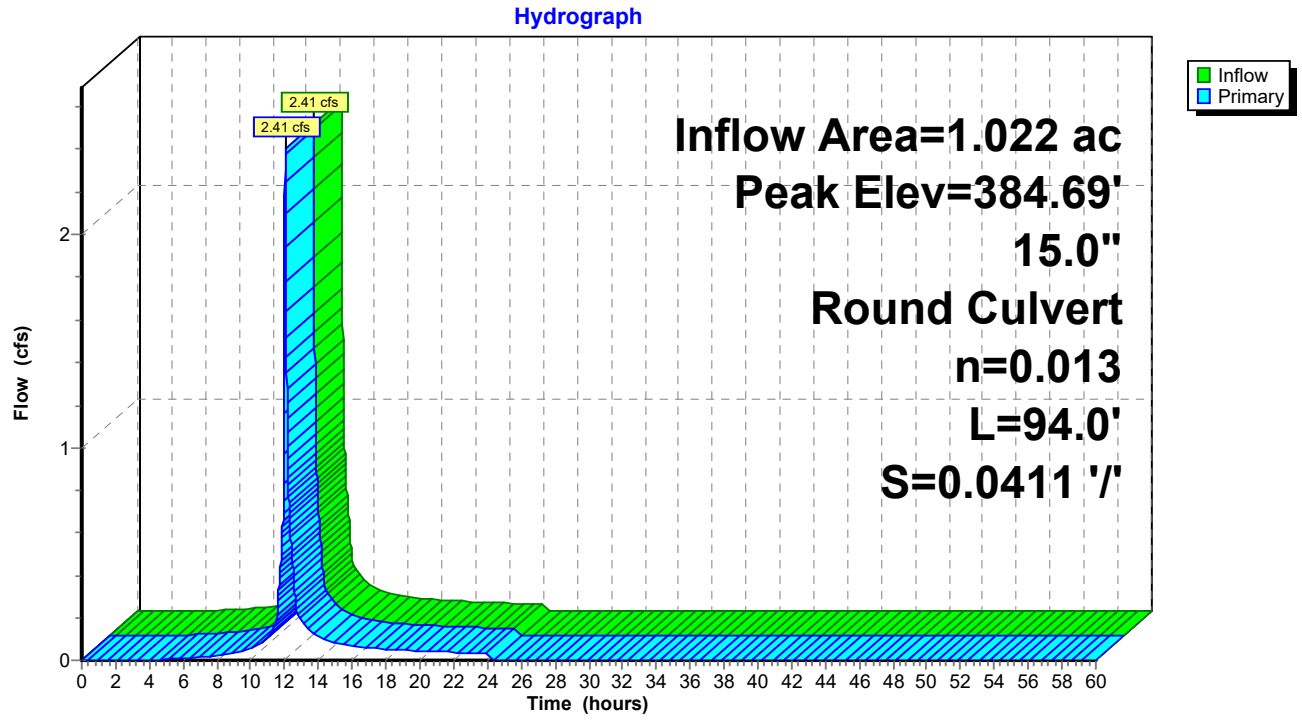
Inflow Area = 1.022 ac, 65.96% Impervious, Inflow Depth = 1.79" for 1-yr event
Inflow = 2.41 cfs @ 12.04 hrs, Volume= 0.152 af
Outflow = 2.41 cfs @ 12.04 hrs, Volume= 0.152 af, Atten= 0%, Lag= 0.0 min
Primary = 2.41 cfs @ 12.04 hrs, Volume= 0.152 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 384.69' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	383.79'	**15.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 383.79' / 379.93' S= 0.0411 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.40 cfs @ 12.04 hrs HW=384.69' TW=380.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.40 cfs @ 2.55 fps)

Pond 61P: CB15



Summary for Pond 62P: CB18

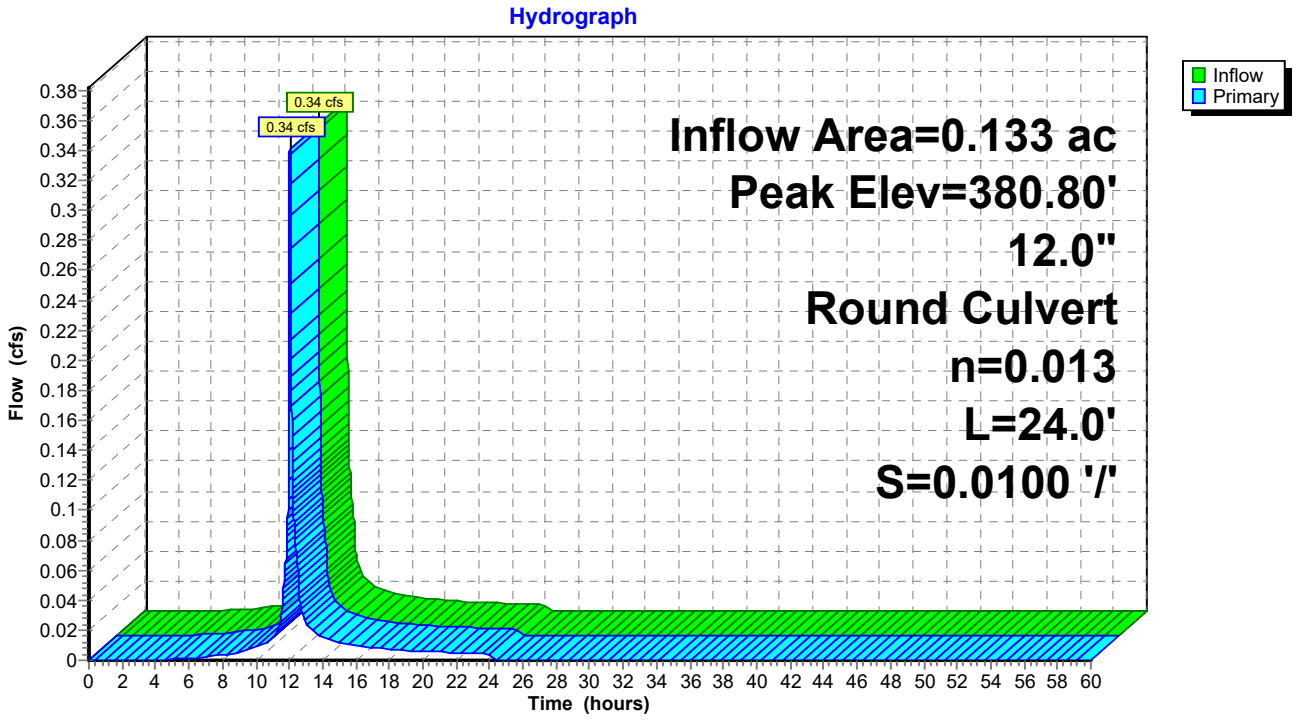
Inflow Area = 0.133 ac, 74.92% Impervious, Inflow Depth = 1.94" for 1-yr event
Inflow = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af
Outflow = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min
Primary = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 380.80' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.42'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.42' / 380.18' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.34 cfs @ 12.04 hrs HW=380.80' TW=380.63' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.34 cfs @ 1.85 fps)

Pond 62P: CB18



Summary for Pond 63P: CB17

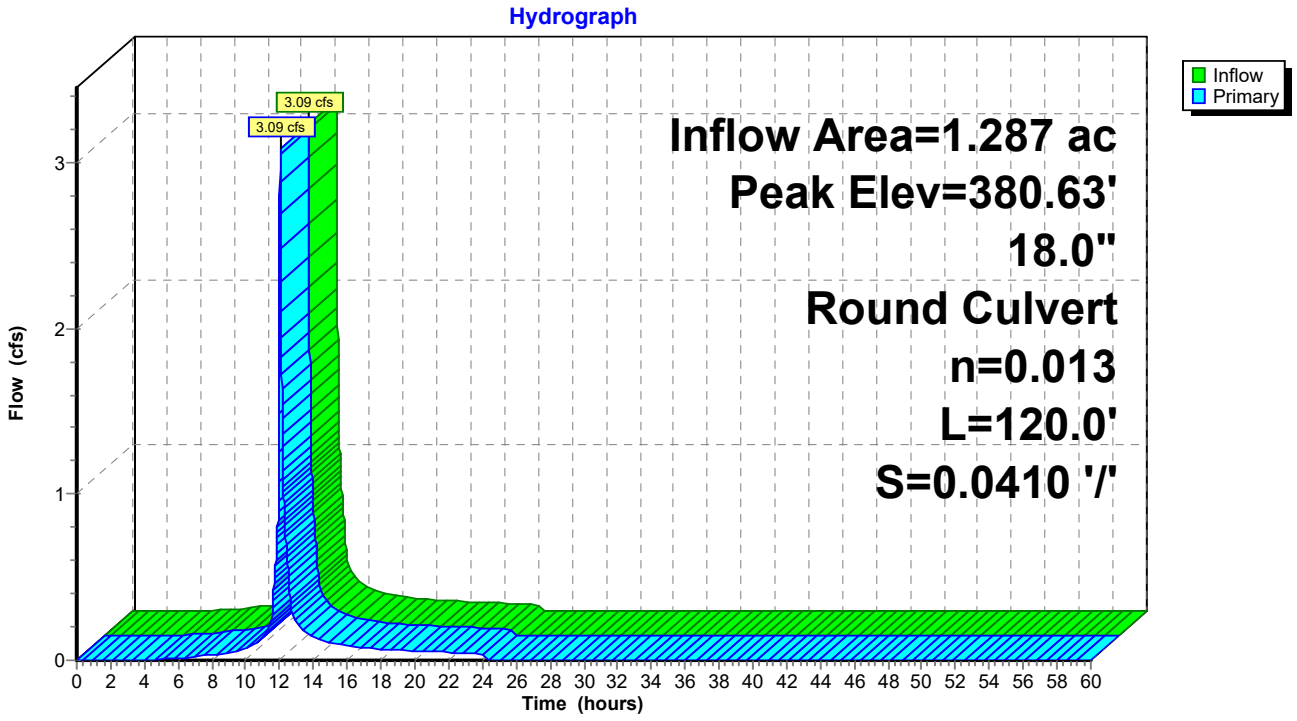
Inflow Area = 1.287 ac, 68.00% Impervious, Inflow Depth = 1.82" for 1-yr event
Inflow = 3.09 cfs @ 12.04 hrs, Volume= 0.195 af
Outflow = 3.09 cfs @ 12.04 hrs, Volume= 0.195 af, Atten= 0%, Lag= 0.0 min
Primary = 3.09 cfs @ 12.04 hrs, Volume= 0.195 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 380.63' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	379.68'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 379.68' / 374.76' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.08 cfs @ 12.04 hrs HW=380.63' TW=376.02' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.08 cfs @ 2.62 fps)

Pond 63P: CB17



Summary for Pond 64P: CB20

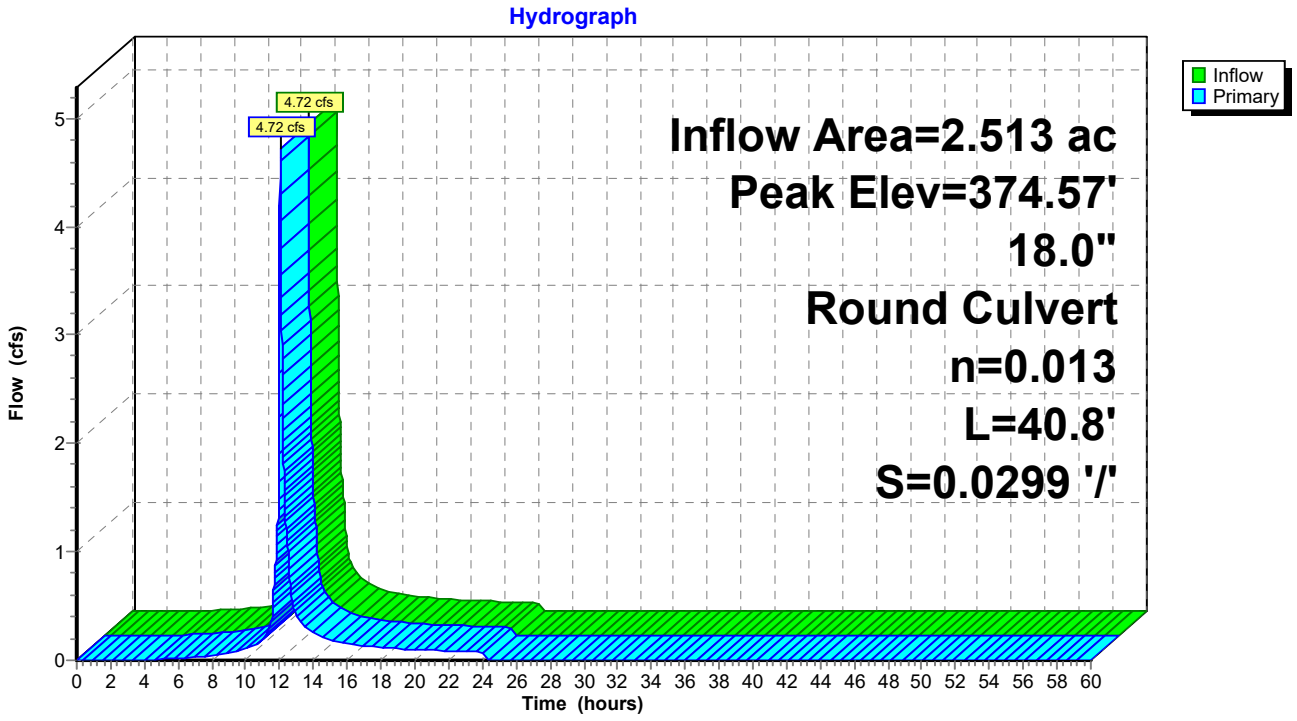
Inflow Area = 2.513 ac, 57.69% Impervious, Inflow Depth = 1.57" for 1-yr event
Inflow = 4.72 cfs @ 12.04 hrs, Volume= 0.328 af
Outflow = 4.72 cfs @ 12.04 hrs, Volume= 0.328 af, Atten= 0%, Lag= 0.0 min
Primary = 4.72 cfs @ 12.04 hrs, Volume= 0.328 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.57' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.30'	**18.0" Round Culvert** L= 40.8' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.30' / 372.08' S= 0.0299 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.71 cfs @ 12.04 hrs HW=374.56' TW=373.94' (Dynamic Tailwater)
1=Culvert (Outlet Controls 4.71 cfs @ 4.00 fps)

Pond 64P: CB20



Summary for Pond 65P: CB19

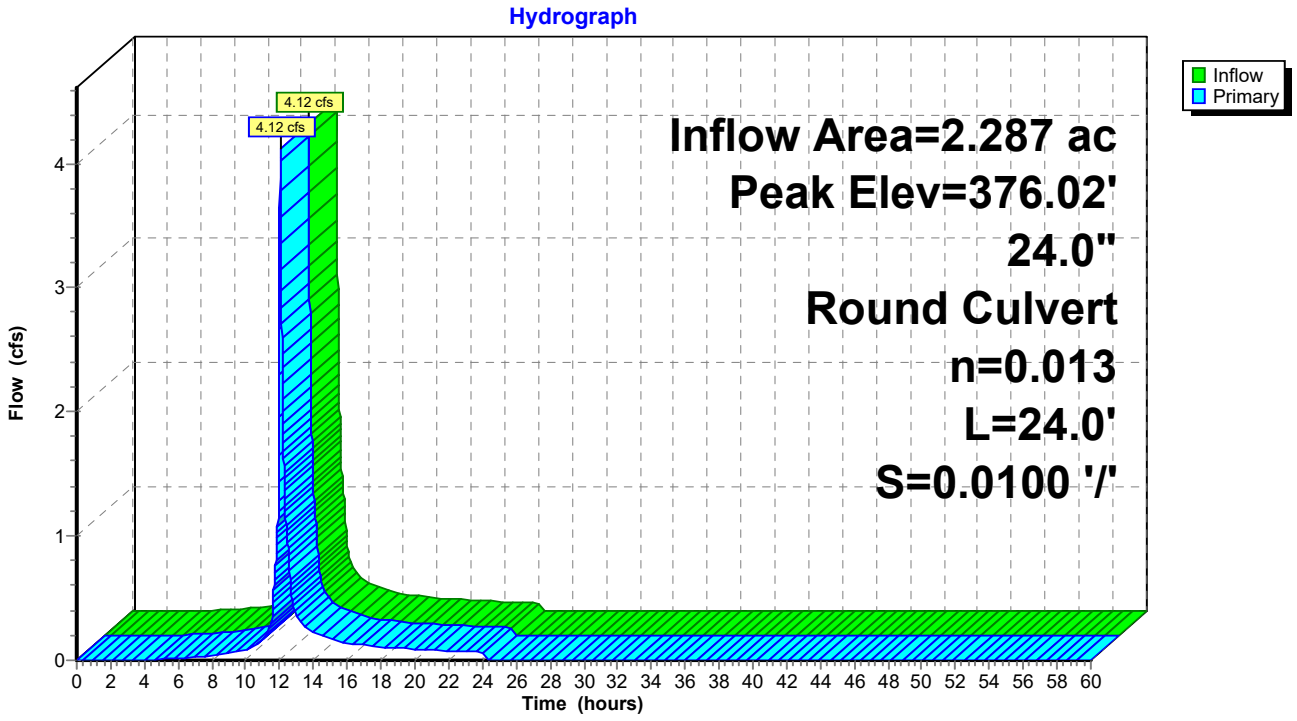
Inflow Area = 2.287 ac, 55.54% Impervious, Inflow Depth = 1.52" for 1-yr event
Inflow = 4.12 cfs @ 12.04 hrs, Volume= 0.290 af
Outflow = 4.12 cfs @ 12.04 hrs, Volume= 0.290 af, Atten= 0%, Lag= 0.0 min
Primary = 4.12 cfs @ 12.04 hrs, Volume= 0.290 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 376.02' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	375.00'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 375.00' / 374.76' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.11 cfs @ 12.04 hrs HW=376.02' TW=374.56' (Dynamic Tailwater)
1=Culvert (Barrel Controls 4.11 cfs @ 3.73 fps)

Pond 65P: CB19



Summary for Pond 66P: CB21

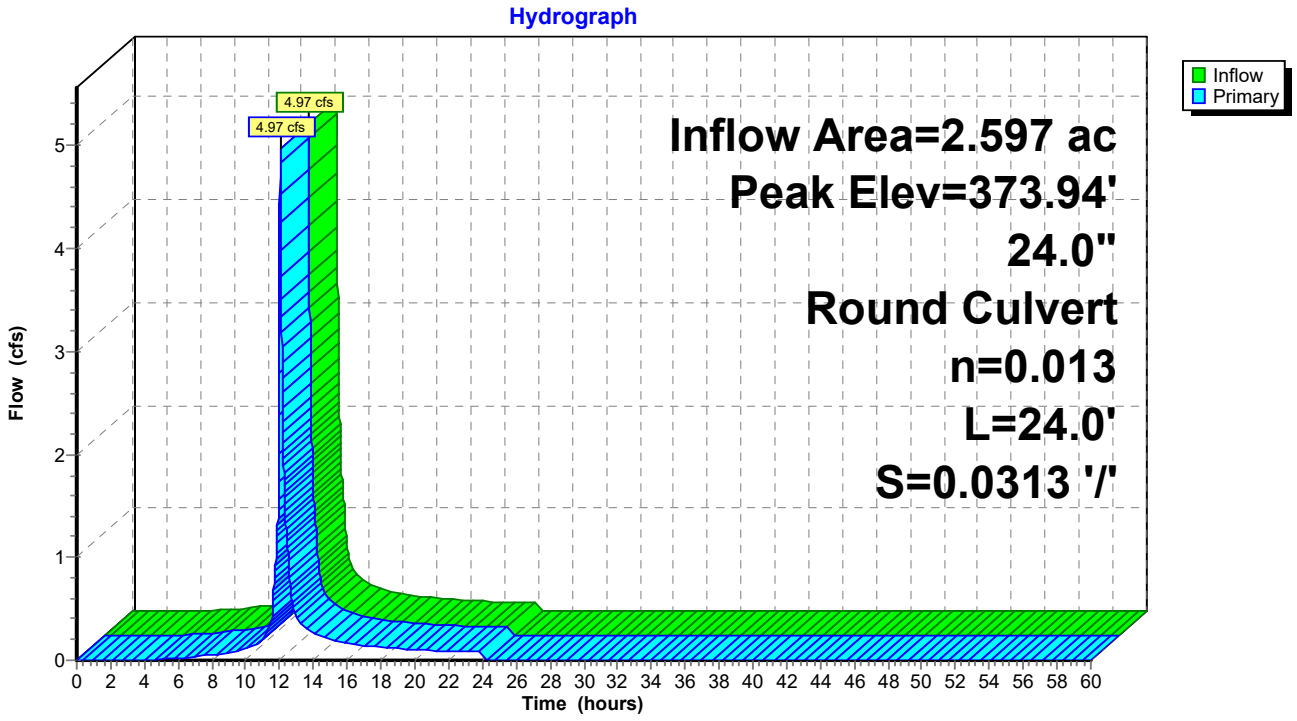
Inflow Area = 2.597 ac, 58.97% Impervious, Inflow Depth = 1.59" for 1-yr event
Inflow = 4.97 cfs @ 12.04 hrs, Volume= 0.345 af
Outflow = 4.97 cfs @ 12.04 hrs, Volume= 0.345 af, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.04 hrs, Volume= 0.345 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 373.94' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	372.84'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 372.84' / 372.09' S= 0.0313 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.97 cfs @ 12.04 hrs HW=373.94' TW=372.75' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.97 cfs @ 2.82 fps)

Pond 66P: CB21



Summary for Pond 67P: CB22

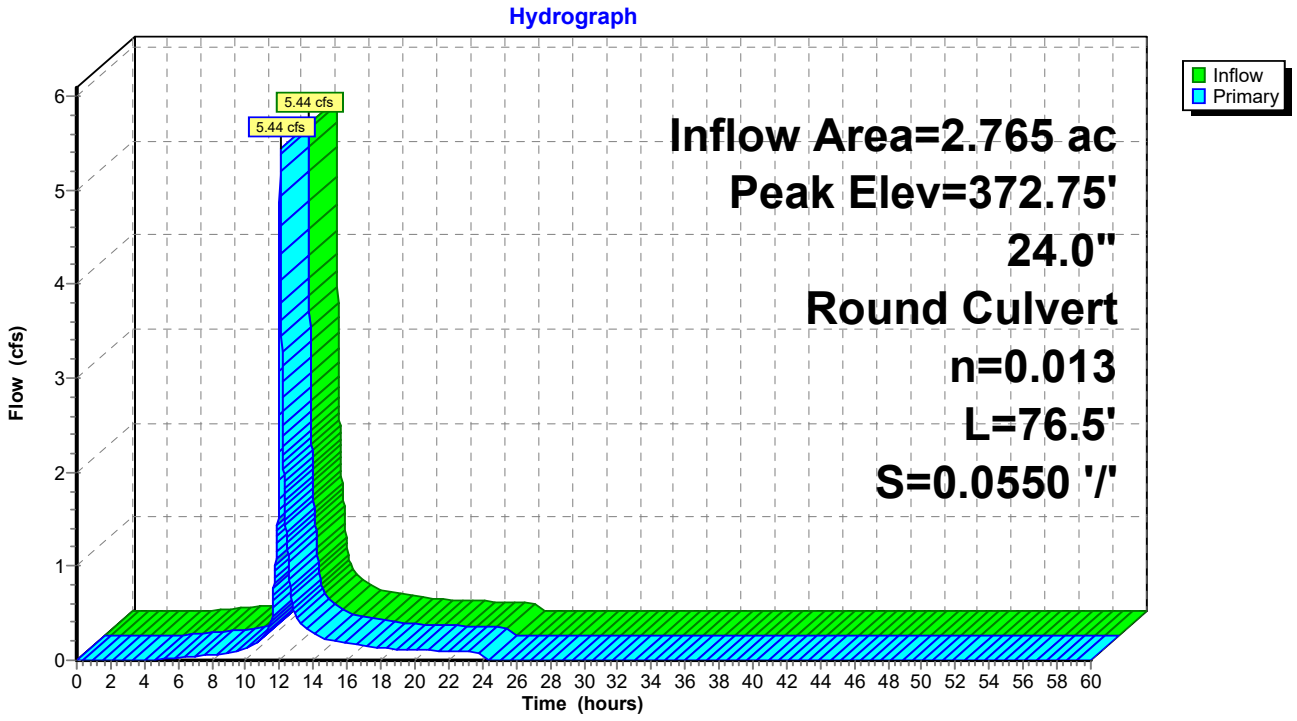
Inflow Area = 2.765 ac, 60.35% Impervious, Inflow Depth = 1.63" for 1-yr event
Inflow = 5.44 cfs @ 12.04 hrs, Volume= 0.375 af
Outflow = 5.44 cfs @ 12.04 hrs, Volume= 0.375 af, Atten= 0%, Lag= 0.0 min
Primary = 5.44 cfs @ 12.04 hrs, Volume= 0.375 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 372.75' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.59'	**24.0" Round Culvert** L= 76.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.59' / 367.38' S= 0.0550 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.43 cfs @ 12.04 hrs HW=372.75' TW=368.67' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.43 cfs @ 2.89 fps)

Pond 67P: CB22



Summary for Pond 68P: CB28

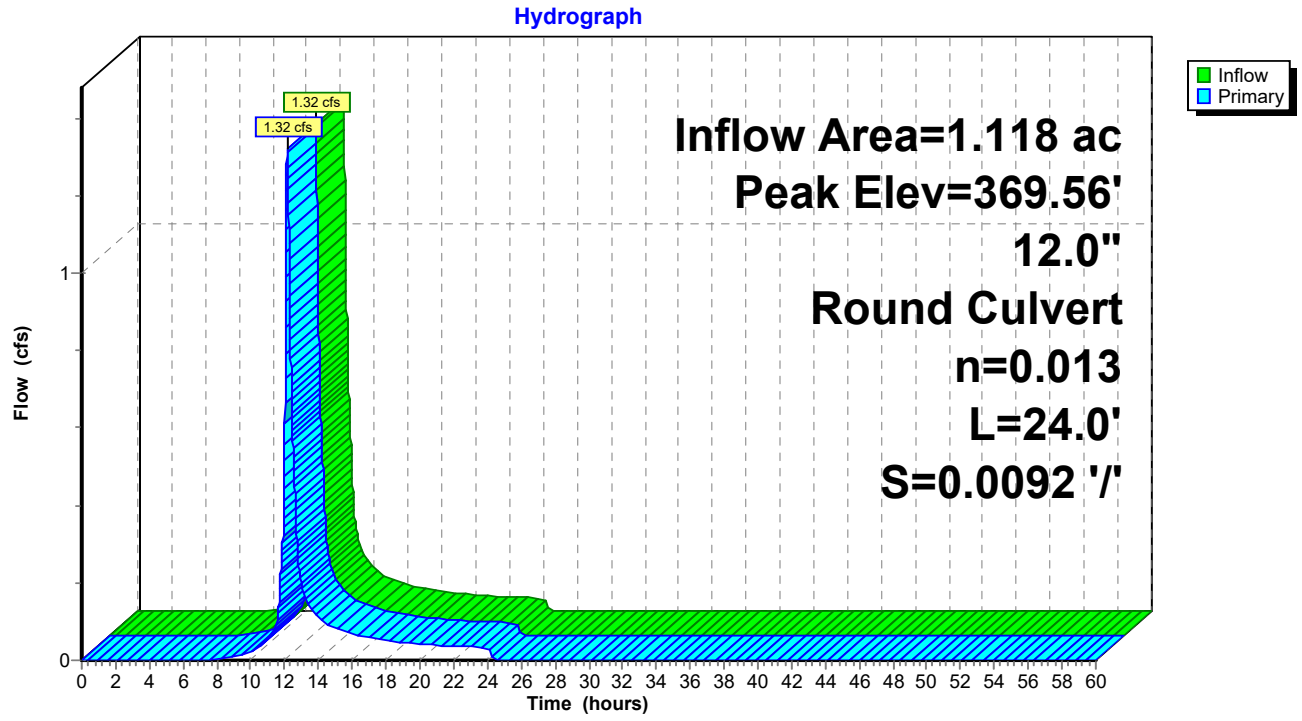
Inflow Area = 1.118 ac, 42.01% Impervious, Inflow Depth = 1.34" for 1-yr event
Inflow = 1.32 cfs @ 12.16 hrs, Volume= 0.125 af
Outflow = 1.32 cfs @ 12.16 hrs, Volume= 0.125 af, Atten= 0%, Lag= 0.0 min
Primary = 1.32 cfs @ 12.16 hrs, Volume= 0.125 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.56' @ 12.16 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.85'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.85' / 368.63' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.32 cfs @ 12.16 hrs HW=369.56' TW=368.40' (Dynamic Tailwater)
1=Culvert (Barrel Controls 1.32 cfs @ 3.12 fps)

Pond 68P: CB28



Summary for Pond 69P: CB26

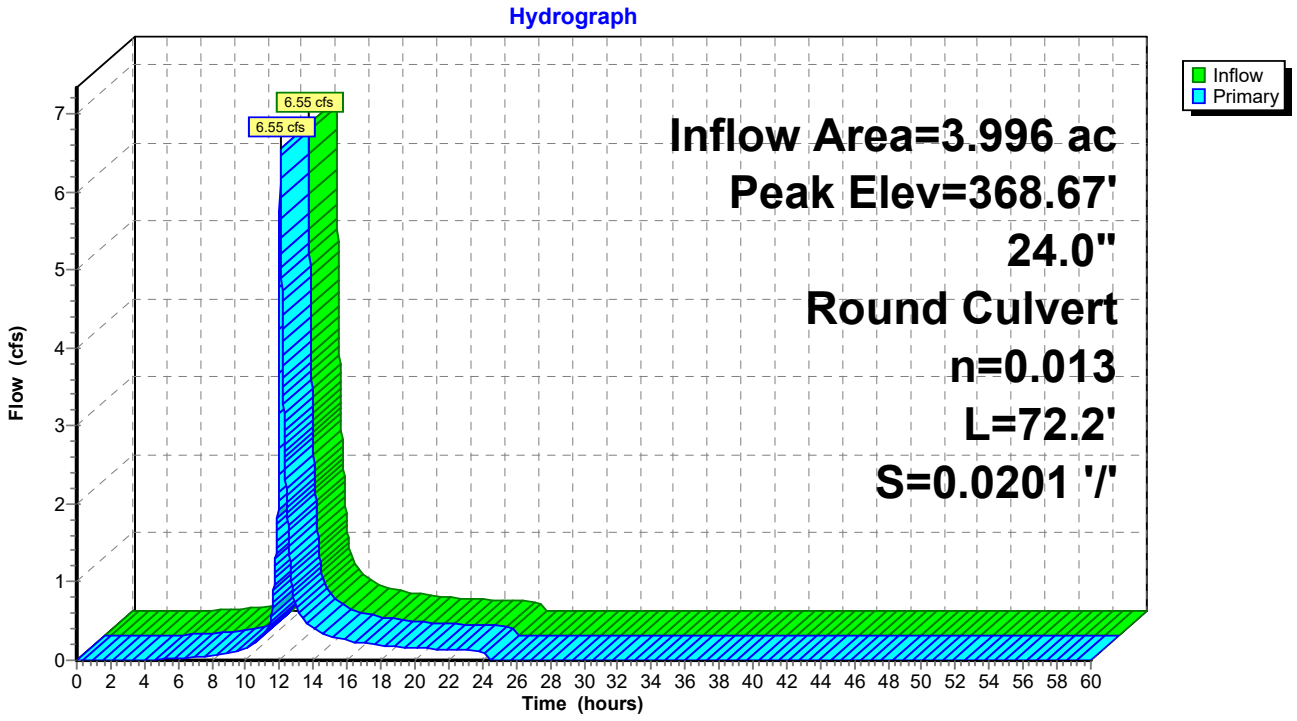
Inflow Area = 3.996 ac, 55.78% Impervious, Inflow Depth = 1.56" for 1-yr event
Inflow = 6.55 cfs @ 12.05 hrs, Volume= 0.519 af
Outflow = 6.55 cfs @ 12.05 hrs, Volume= 0.519 af, Atten= 0%, Lag= 0.0 min
Primary = 6.55 cfs @ 12.05 hrs, Volume= 0.519 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.67' @ 12.05 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.38'	**24.0" Round Culvert** L= 72.2' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.38' / 365.93' S= 0.0201 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.53 cfs @ 12.05 hrs HW=368.67' TW=366.33' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.53 cfs @ 3.05 fps)

Pond 69P: CB26



Summary for Pond 70P: CB29

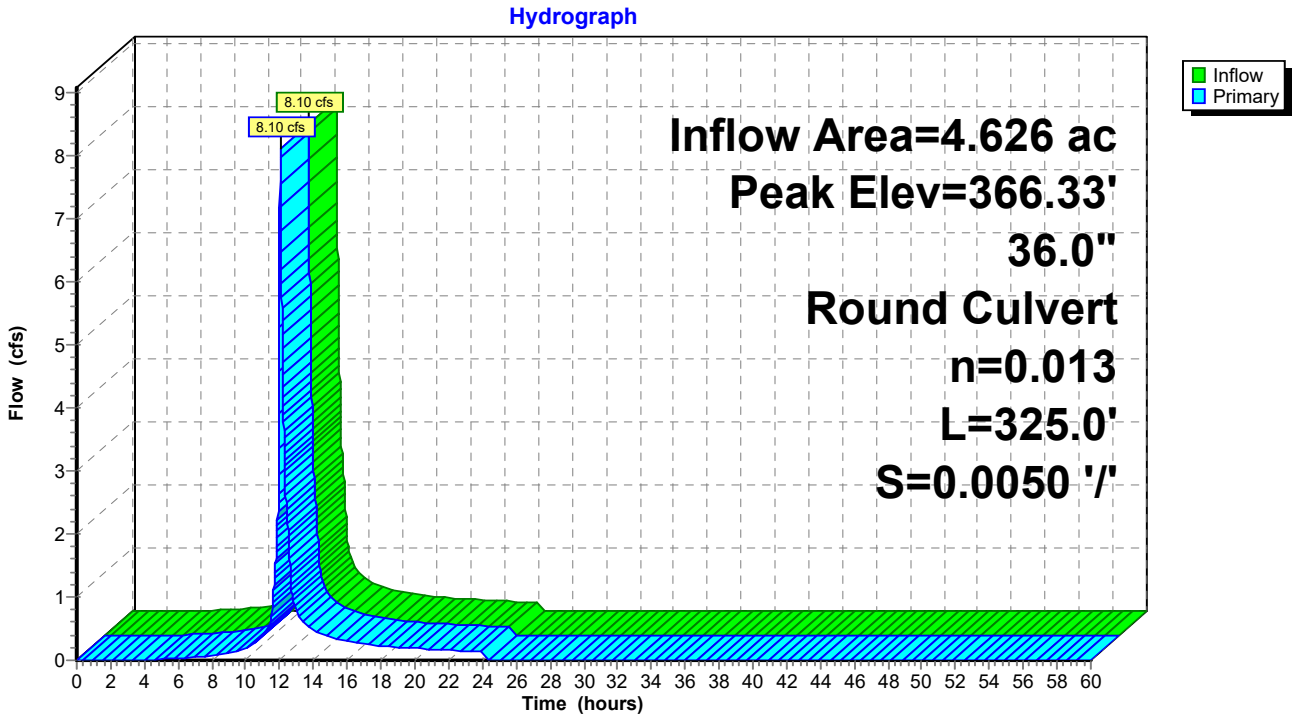
Inflow Area = 4.626 ac, 57.99% Impervious, Inflow Depth = 1.60" for 1-yr event
Inflow = 8.10 cfs @ 12.04 hrs, Volume= 0.617 af
Outflow = 8.10 cfs @ 12.04 hrs, Volume= 0.617 af, Atten= 0%, Lag= 0.0 min
Primary = 8.10 cfs @ 12.04 hrs, Volume= 0.617 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.33' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	364.93'	**36.0" Round Culvert** L= 325.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 364.93' / 363.31' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=8.02 cfs @ 12.04 hrs HW=366.33' TW=365.26' (Dynamic Tailwater)
1=Culvert (Outlet Controls 8.02 cfs @ 3.64 fps)

Pond 70P: CB29



Summary for Pond 71P: CB30

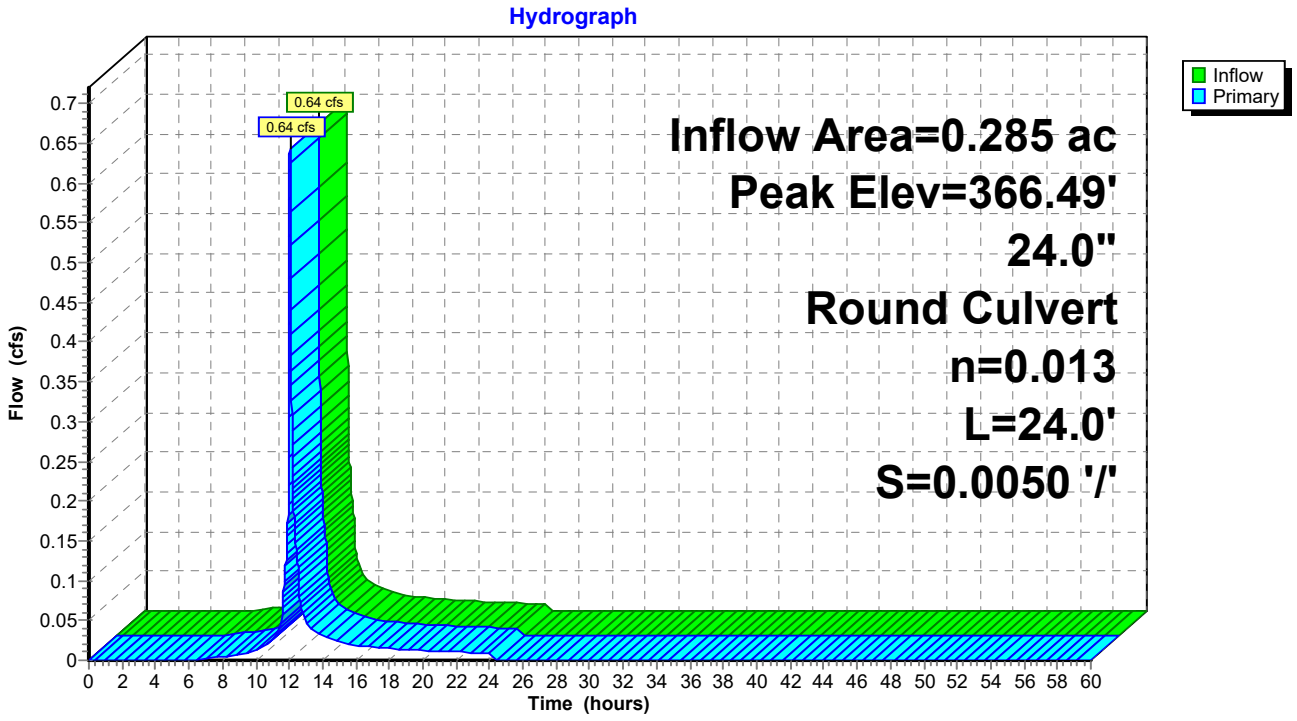
Inflow Area = 0.285 ac, 61.49% Impervious, Inflow Depth = 1.68" for 1-yr event
Inflow = 0.64 cfs @ 12.04 hrs, Volume= 0.040 af
Outflow = 0.64 cfs @ 12.04 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.04 hrs, Volume= 0.040 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.49' @ 12.04 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.05'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.05' / 365.93' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=0.64 cfs @ 12.04 hrs HW=366.49' TW=366.33' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.64 cfs @ 1.89 fps)

Pond 71P: CB30



Summary for Pond 72P: CB27

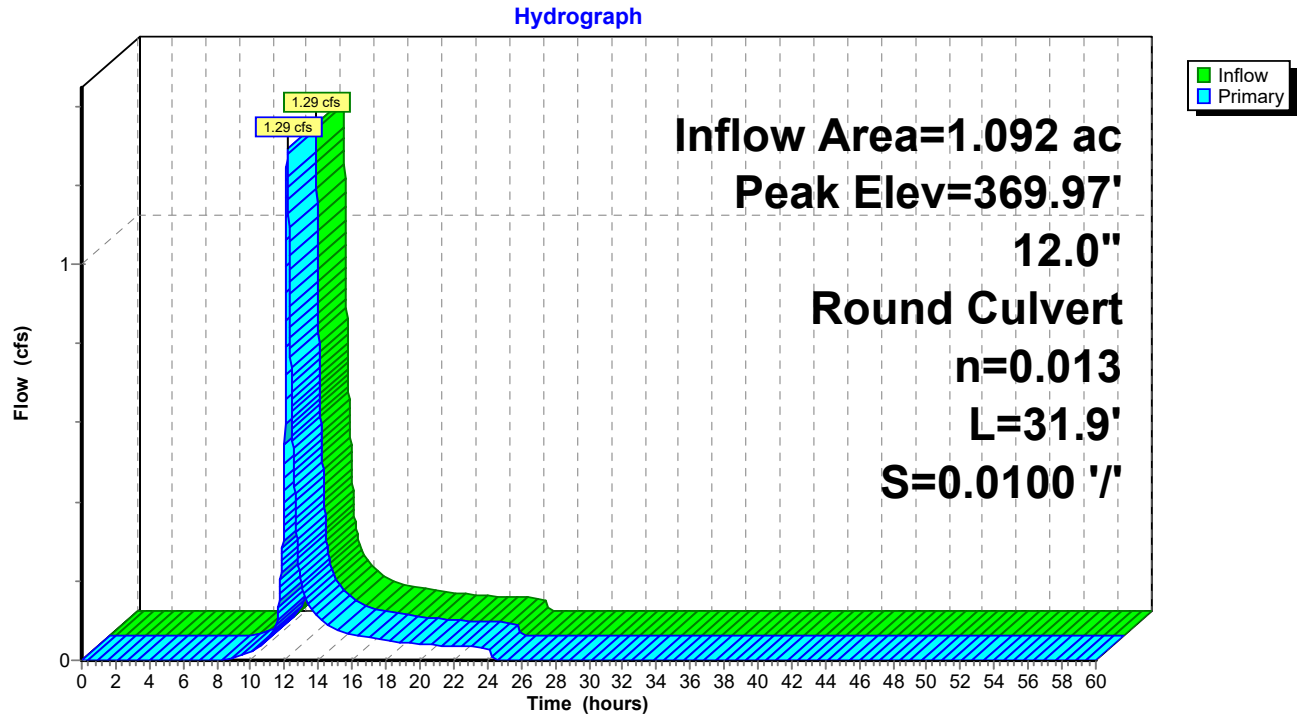
Inflow Area = 1.092 ac, 40.96% Impervious, Inflow Depth = 1.32" for 1-yr event
Inflow = 1.29 cfs @ 12.16 hrs, Volume= 0.120 af
Outflow = 1.29 cfs @ 12.16 hrs, Volume= 0.120 af, Atten= 0%, Lag= 0.0 min
Primary = 1.29 cfs @ 12.16 hrs, Volume= 0.120 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.97' @ 12.16 hrs
Flood Elev= 373.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.27'	**12.0" Round Culvert** L= 31.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.27' / 368.95' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.29 cfs @ 12.16 hrs HW=369.97' TW=369.56' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.29 cfs @ 3.06 fps)

Pond 72P: CB27



Summary for Pond 73P: CB38

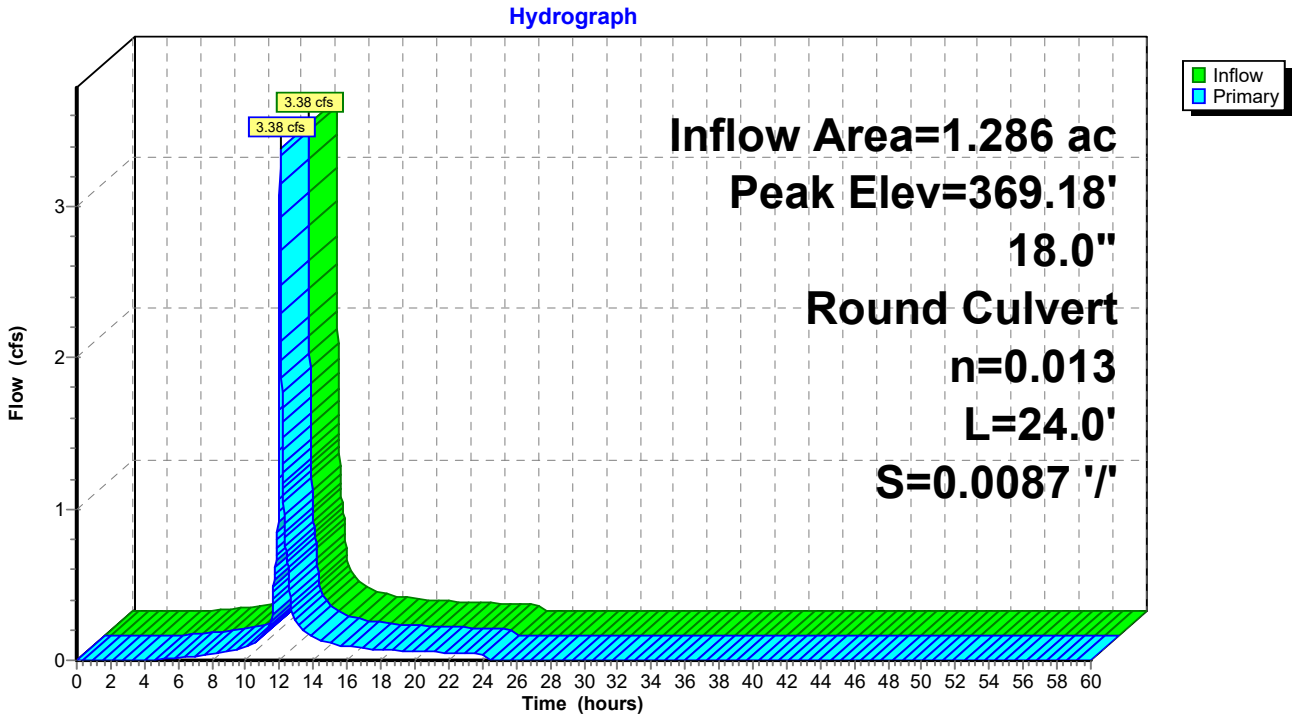
Inflow Area = 1.286 ac, 77.38% Impervious, Inflow Depth = 1.99" for 1-yr event
Inflow = 3.38 cfs @ 12.04 hrs, Volume= 0.213 af
Outflow = 3.38 cfs @ 12.04 hrs, Volume= 0.213 af, Atten= 0%, Lag= 0.0 min
Primary = 3.38 cfs @ 12.04 hrs, Volume= 0.213 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.18' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**18.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.74' S= 0.0087 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.37 cfs @ 12.04 hrs HW=369.18' TW=368.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.37 cfs @ 2.18 fps)

Pond 73P: CB38



Summary for Pond 74P: CB36

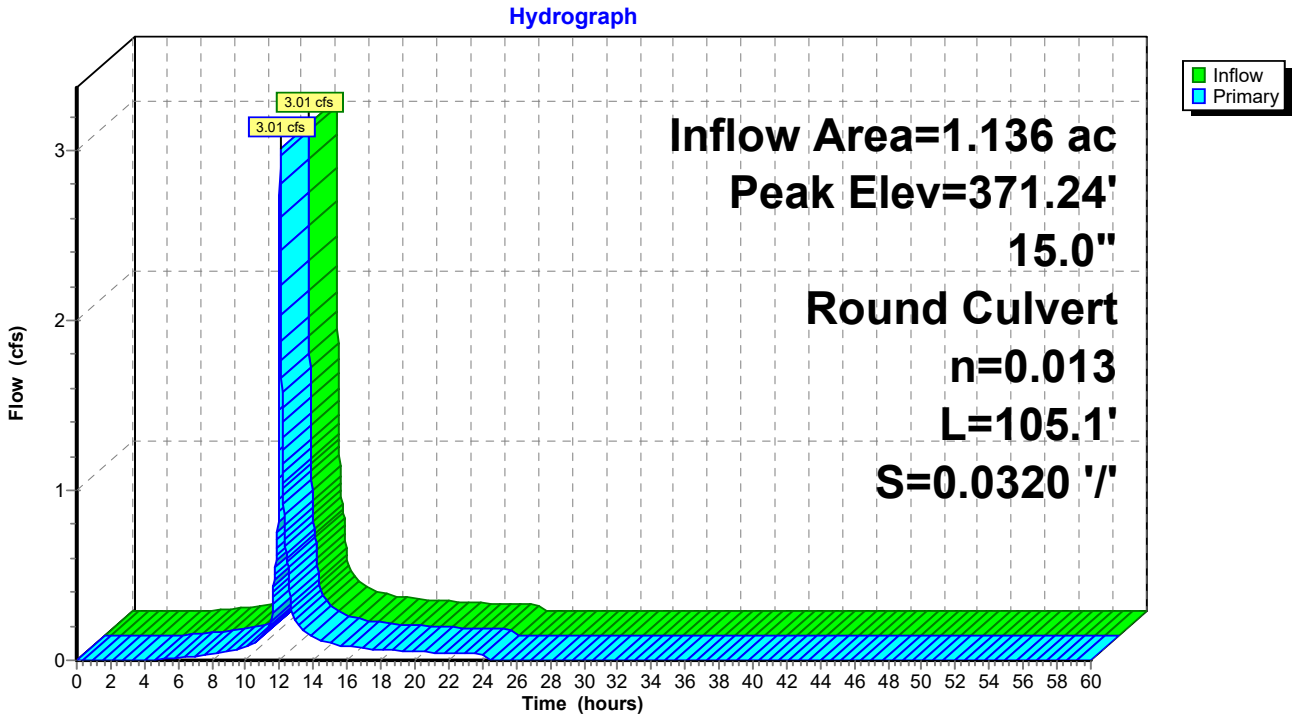
Inflow Area = 1.136 ac, 78.27% Impervious, Inflow Depth = 2.01" for 1-yr event
Inflow = 3.01 cfs @ 12.04 hrs, Volume= 0.190 af
Outflow = 3.01 cfs @ 12.04 hrs, Volume= 0.190 af, Atten= 0%, Lag= 0.0 min
Primary = 3.01 cfs @ 12.04 hrs, Volume= 0.190 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.24' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.20'	**15.0" Round Culvert** L= 105.1' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.20' / 366.84' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.00 cfs @ 12.04 hrs HW=371.24' TW=369.18' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.00 cfs @ 2.74 fps)

Pond 74P: CB36



Summary for Pond 75P: CB37

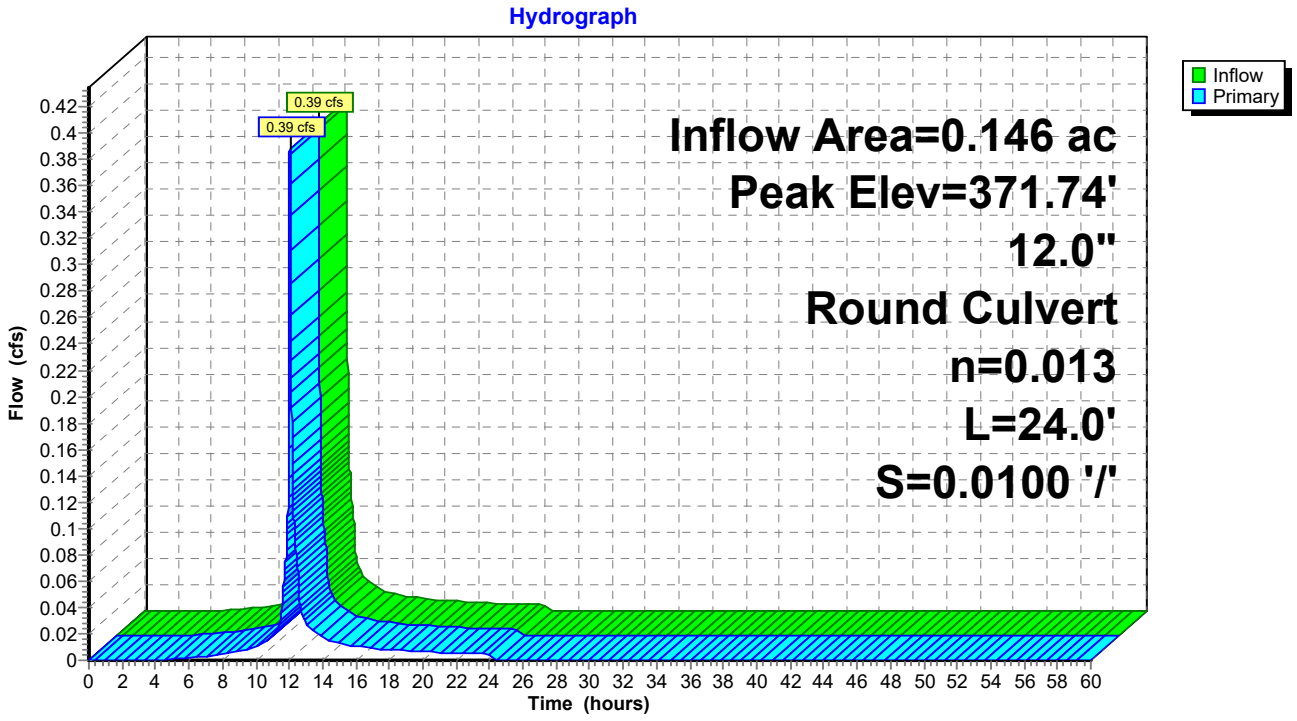
Inflow Area = 0.146 ac, 78.42% Impervious, Inflow Depth = 2.03" for 1-yr event
Inflow = 0.39 cfs @ 12.04 hrs, Volume= 0.025 af
Outflow = 0.39 cfs @ 12.04 hrs, Volume= 0.025 af, Atten= 0%, Lag= 0.0 min
Primary = 0.39 cfs @ 12.04 hrs, Volume= 0.025 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.74' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.39'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.39' / 371.15' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.39 cfs @ 12.04 hrs HW=371.74' TW=371.24' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.39 cfs @ 1.59 fps)

Pond 75P: CB37



Summary for Pond 76P: CB34

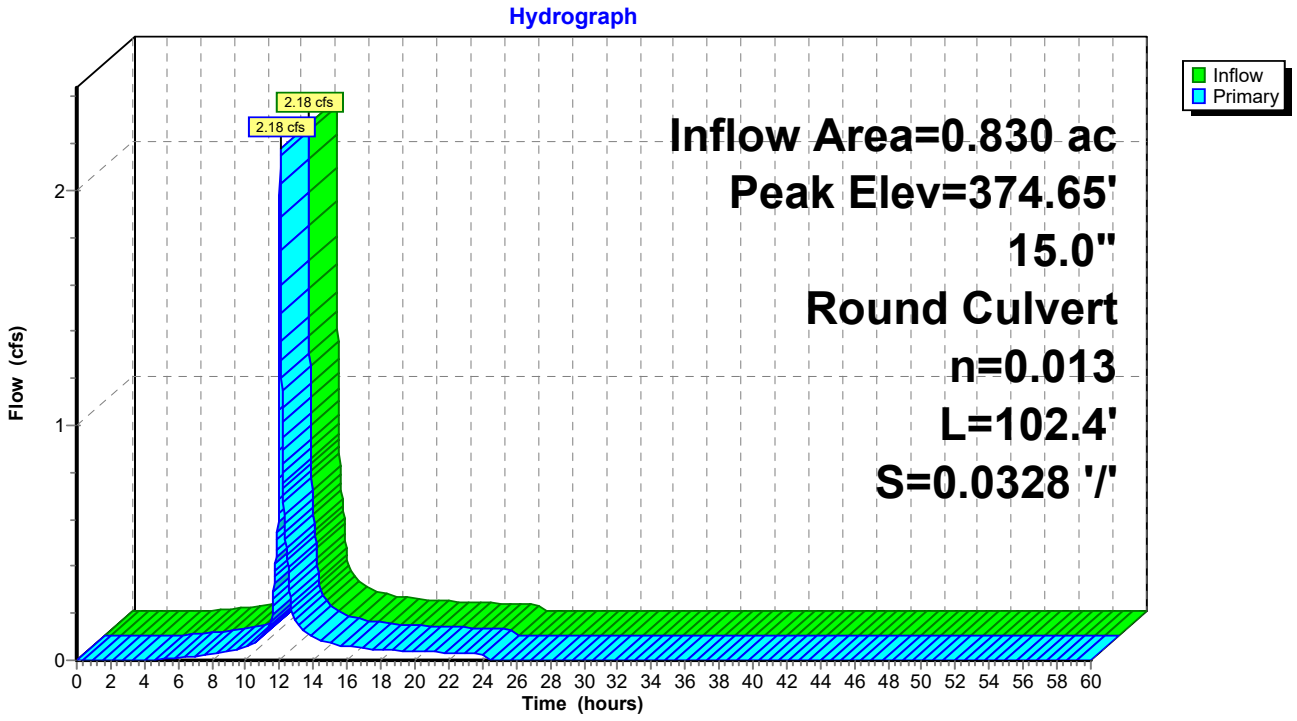
Inflow Area = 0.830 ac, 77.05% Impervious, Inflow Depth = 1.99" for 1-yr event
Inflow = 2.18 cfs @ 12.04 hrs, Volume= 0.137 af
Outflow = 2.18 cfs @ 12.04 hrs, Volume= 0.137 af, Atten= 0%, Lag= 0.0 min
Primary = 2.18 cfs @ 12.04 hrs, Volume= 0.137 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.65' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.81'	**15.0" Round Culvert** L= 102.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.81' / 370.45' S= 0.0328 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.17 cfs @ 12.04 hrs HW=374.65' TW=371.24' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.17 cfs @ 2.47 fps)

Pond 76P: CB34



Summary for Pond 78P: WQU1

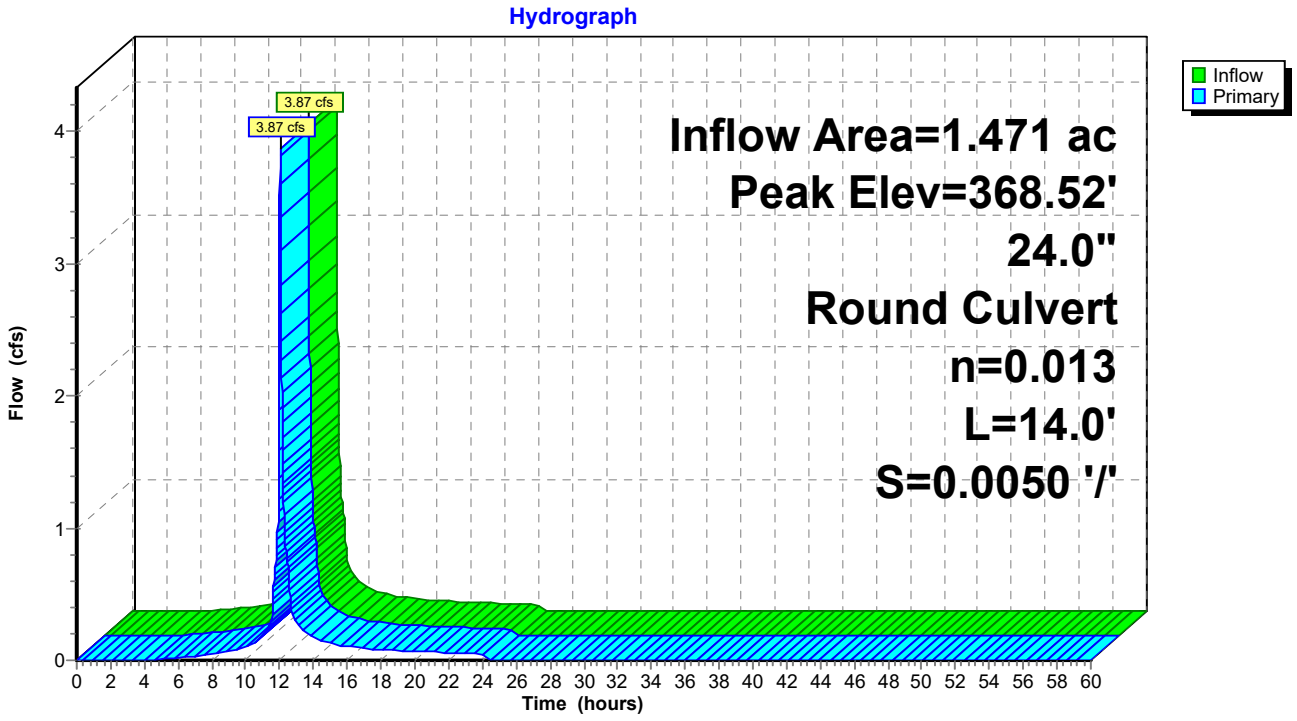
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 1.99" for 1-yr event
Inflow = 3.87 cfs @ 12.04 hrs, Volume= 0.245 af
Outflow = 3.87 cfs @ 12.04 hrs, Volume= 0.245 af, Atten= 0%, Lag= 0.0 min
Primary = 3.87 cfs @ 12.04 hrs, Volume= 0.245 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.52' @ 12.04 hrs
Flood Elev= 372.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.44'	**24.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.44' / 367.37' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.86 cfs @ 12.04 hrs HW=368.52' TW=367.07' (Dynamic Tailwater)
1=Culvert (Barrel Controls 3.86 cfs @ 3.22 fps)

Pond 78P: WQU1



Summary for Pond 79P: Underground Infiltration

Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 1.99" for 1-yr event
Inflow = 3.87 cfs @ 12.04 hrs, Volume= 0.245 af
Outflow = 0.46 cfs @ 12.61 hrs, Volume= 0.245 af, Atten= 88%, Lag= 34.4 min
Discarded = 0.46 cfs @ 12.61 hrs, Volume= 0.245 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.68' @ 12.61 hrs Surf.Area= 2,883 sf Storage= 3,045 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 40.8 min (849.9 - 809.1)

Volume	Invert	Avail.Storage	Storage Description
#1	367.37'	5,697 cf	**ADS_StormTech MC-3500 d +Cap**x 51 Inside #2 Effective Size= 70.4"W x 45.0"H => 15.33 sf x 7.17'L = 110.0 cf Overall Size= 77.0"W x 45.0"H x 7.50'L with 0.33' Overlap 3 Rows of 17 Chambers Cap Storage= +14.9 cf x 2 x 3 rows = 89.4 cf
#2	366.62'	10,160 cf	**Stone Bed (Prismatic)**Listed below (Recalc) 15,857 cf Overall - 5,697 cf Embedded = 10,160 cf
		15,857 cf	Total Available Storage

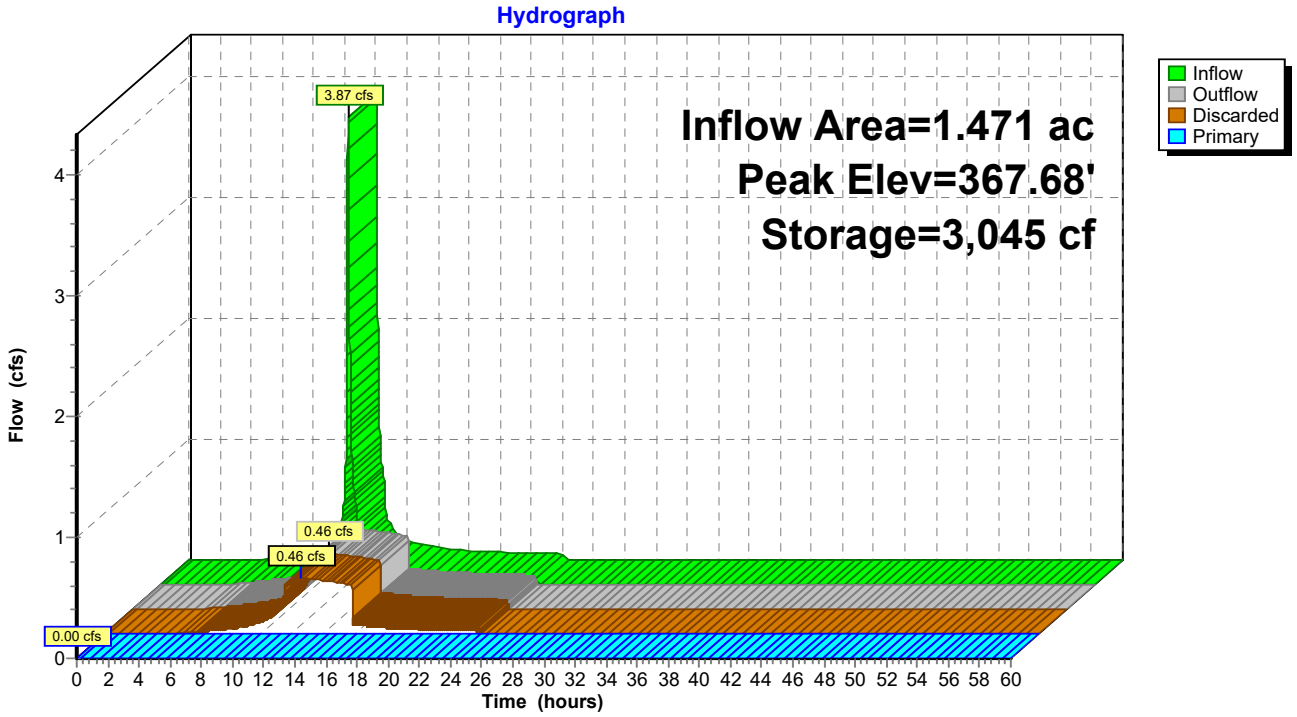
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
366.62	2,883	0	0
372.12	2,883	15,857	15,857

Device	Routing	Invert	Outlet Devices
#1	Discarded	366.62'	**6.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 360.00'
#2	Primary	370.12'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.12' / 366.80' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.46 cfs @ 12.61 hrs HW=367.68' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.46 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=366.62' TW=362.31' (Dynamic Tailwater)
↑—**2=Culvert** (Controls 0.00 cfs)

Pond 79P: Underground Infiltration



Summary for Pond 80P: CB35

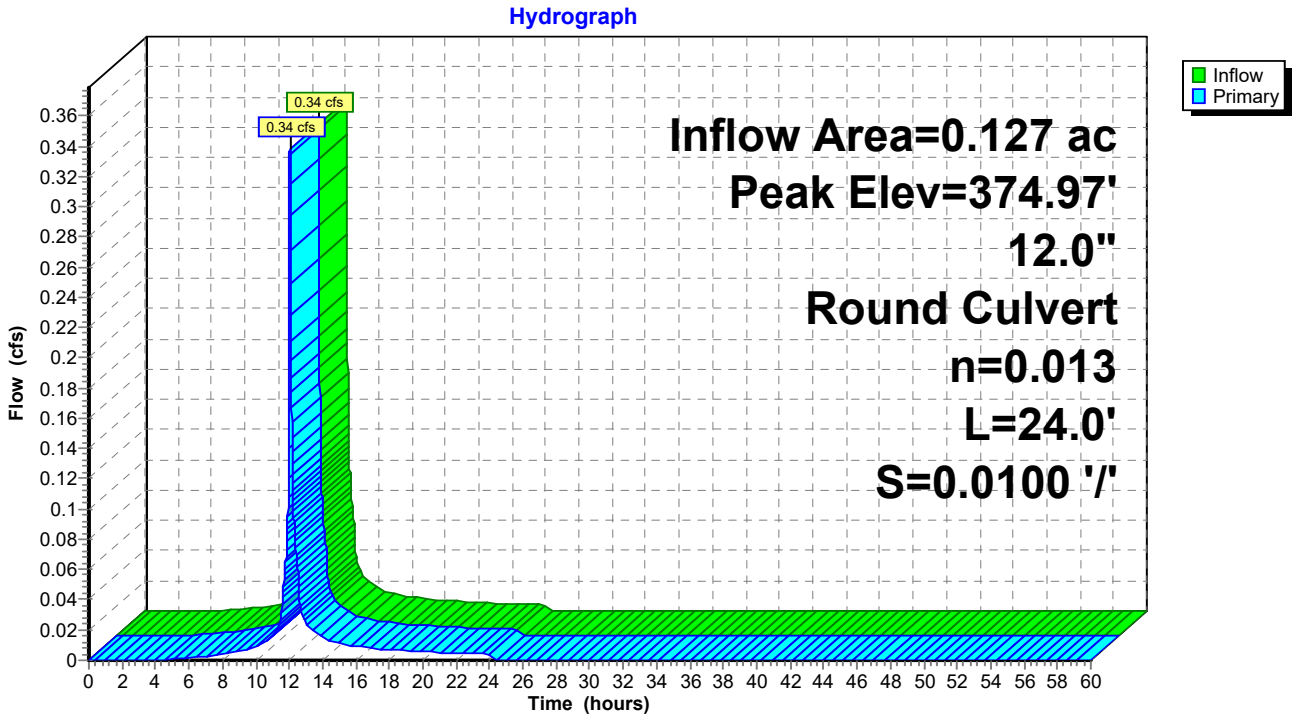
Inflow Area = 0.127 ac, 78.18% Impervious, Inflow Depth = 2.03" for 1-yr event
Inflow = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af
Outflow = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min
Primary = 0.34 cfs @ 12.04 hrs, Volume= 0.021 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.97' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.65'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.65' / 374.41' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.34 cfs @ 12.04 hrs HW=374.97' TW=374.65' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.34 cfs @ 1.53 fps)

Pond 80P: CB35



Summary for Pond 81P: CB32

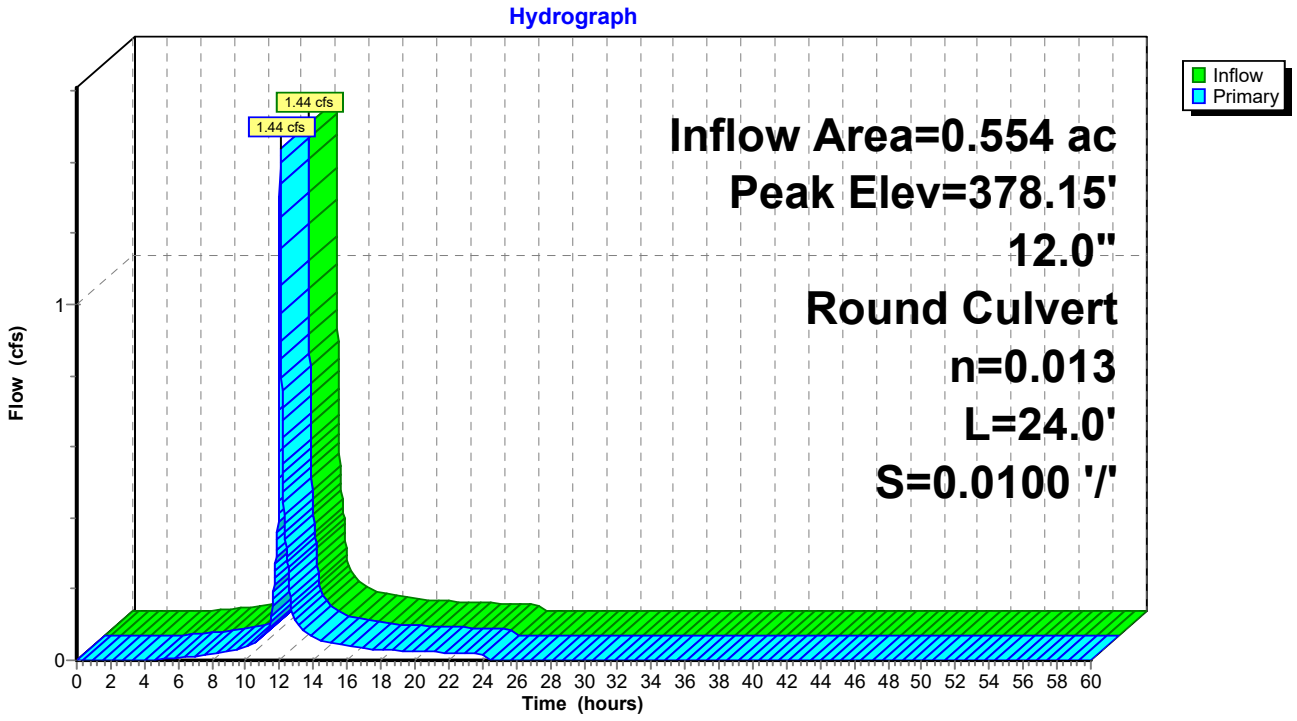
Inflow Area = 0.554 ac, 76.46% Impervious, Inflow Depth = 1.97" for 1-yr event
Inflow = 1.44 cfs @ 12.04 hrs, Volume= 0.091 af
Outflow = 1.44 cfs @ 12.04 hrs, Volume= 0.091 af, Atten= 0%, Lag= 0.0 min
Primary = 1.44 cfs @ 12.04 hrs, Volume= 0.091 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.15' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.41'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.41' / 377.17' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.44 cfs @ 12.04 hrs HW=378.15' TW=374.65' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.44 cfs @ 2.31 fps)

Pond 81P: CB32



Summary for Pond 82P: CB33

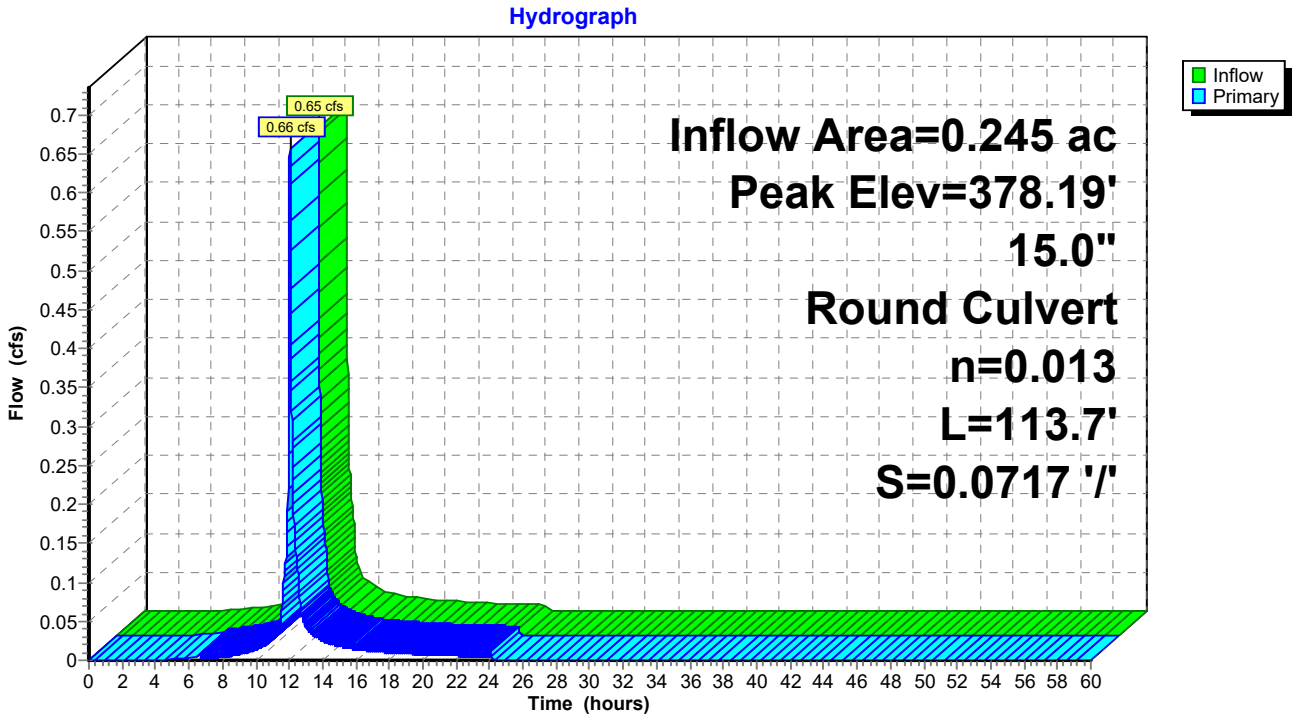
Inflow Area = 0.245 ac, 79.74% Impervious, Inflow Depth = 2.03" for 1-yr event
Inflow = 0.65 cfs @ 12.04 hrs, Volume= 0.041 af
Outflow = 0.66 cfs @ 12.04 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.1 min
Primary = 0.66 cfs @ 12.04 hrs, Volume= 0.041 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.19' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.17'	**15.0" Round Culvert** L= 113.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.17' / 369.02' S= 0.0717 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.65 cfs @ 12.04 hrs HW=378.19' TW=378.15' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.65 cfs @ 0.83 fps)

Pond 82P: CB33



Summary for Pond 84P: CB42

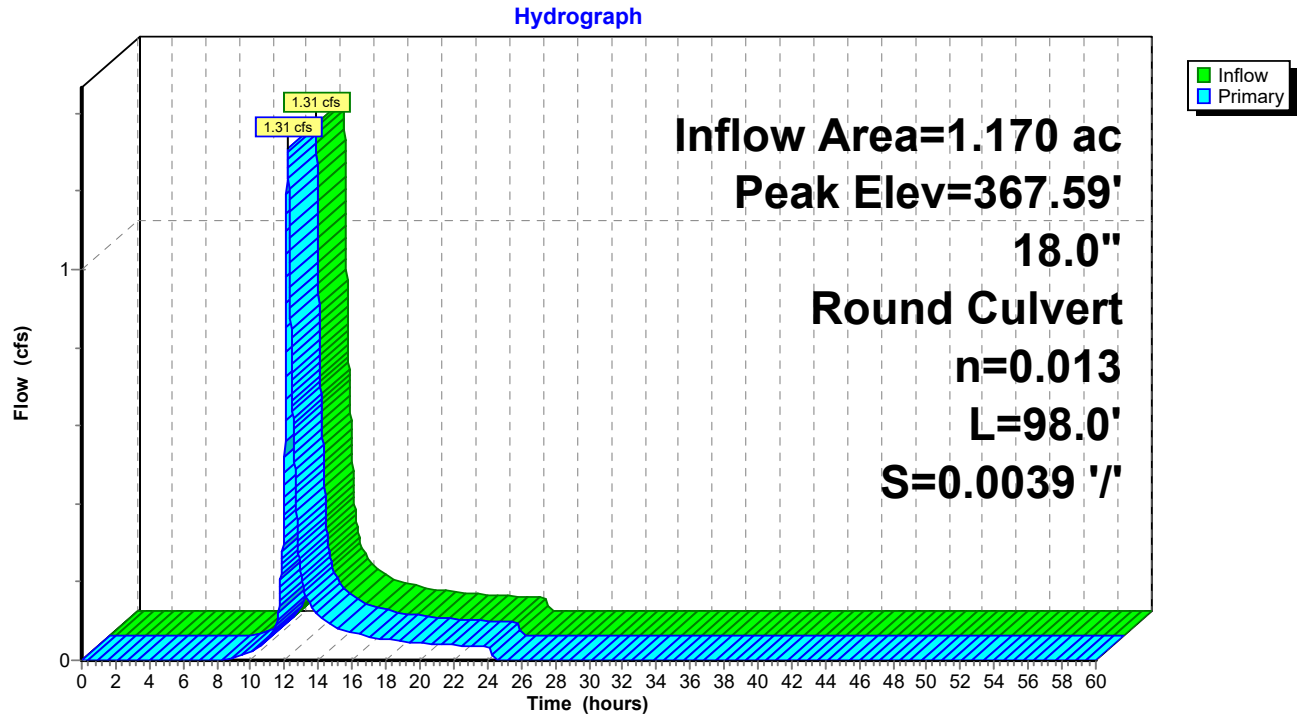
Inflow Area = 1.170 ac, 40.77% Impervious, Inflow Depth = 1.32" for 1-yr event
Inflow = 1.31 cfs @ 12.19 hrs, Volume= 0.129 af
Outflow = 1.31 cfs @ 12.19 hrs, Volume= 0.129 af, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.19 hrs, Volume= 0.129 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.59' @ 12.19 hrs
Flood Elev= 369.60'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.95'	**18.0" Round Culvert** L= 98.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.95' / 366.57' S= 0.0039 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.31 cfs @ 12.19 hrs HW=367.59' TW=366.94' (Dynamic Tailwater)
1=Culvert (Barrel Controls 1.31 cfs @ 2.72 fps)

Pond 84P: CB42



Summary for Pond 85P: CB5

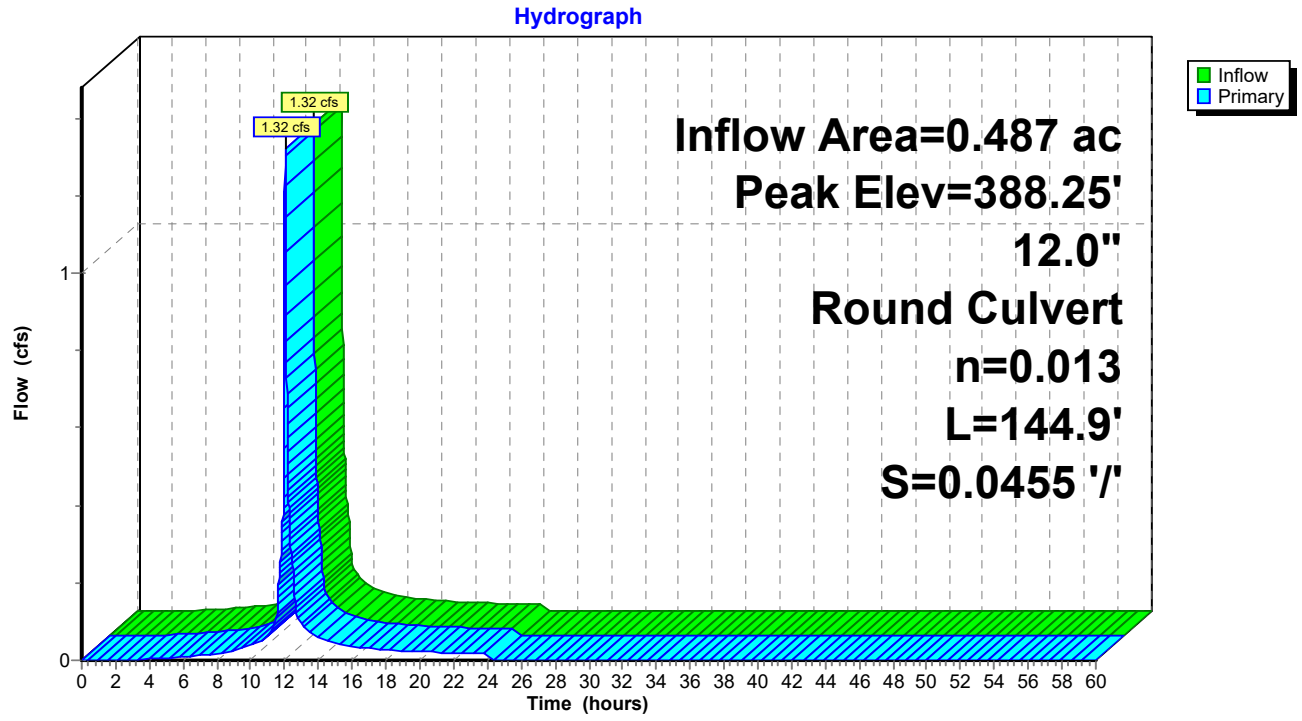
Inflow Area = 0.487 ac, 81.97% Impervious, Inflow Depth = 2.09" for 1-yr event
Inflow = 1.32 cfs @ 12.04 hrs, Volume= 0.085 af
Outflow = 1.32 cfs @ 12.04 hrs, Volume= 0.085 af, Atten= 0%, Lag= 0.0 min
Primary = 1.32 cfs @ 12.04 hrs, Volume= 0.085 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.25' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.55'	**12.0" Round Culvert** L= 144.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.55' / 380.95' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.32 cfs @ 12.04 hrs HW=388.25' TW=381.82' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.32 cfs @ 2.25 fps)

Pond 85P: CB5



Summary for Pond 86P: CB4

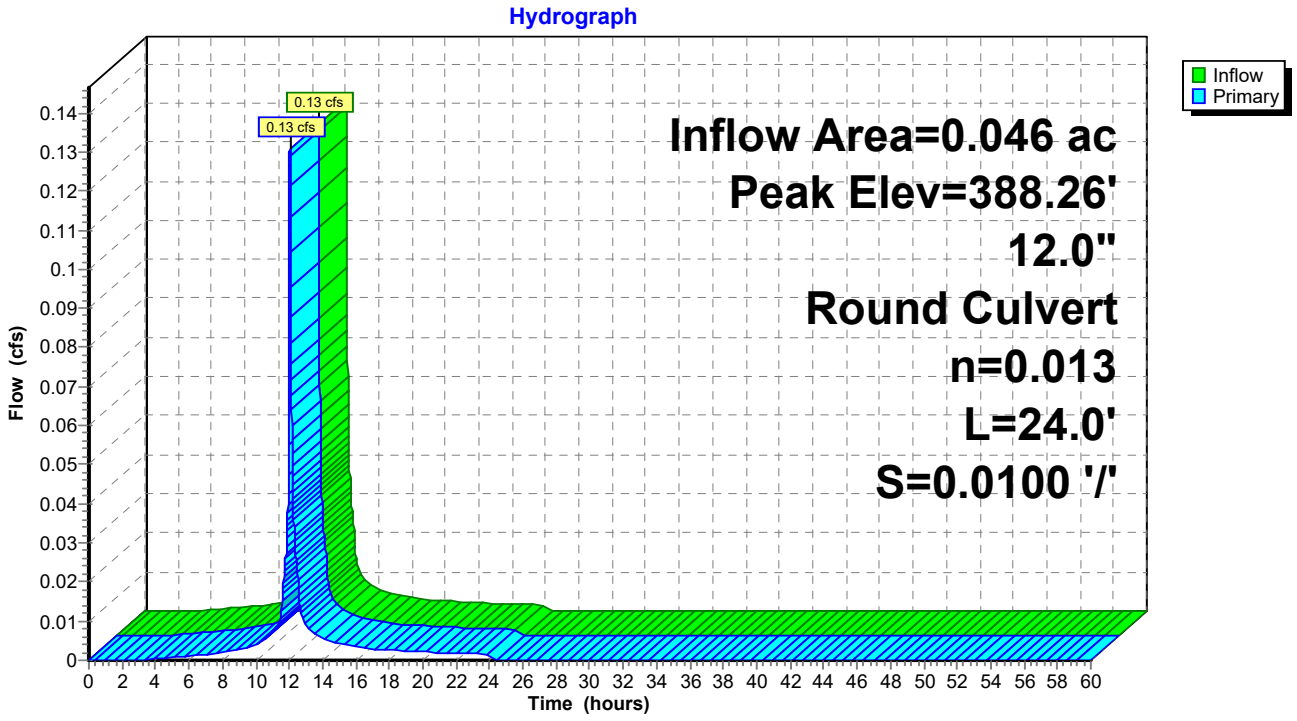
Inflow Area = 0.046 ac, 86.01% Impervious, Inflow Depth = 2.22" for 1-yr event
Inflow = 0.13 cfs @ 12.04 hrs, Volume= 0.008 af
Outflow = 0.13 cfs @ 12.04 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.04 hrs, Volume= 0.008 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.26' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.79'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.79' / 387.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.04 hrs HW=388.26' TW=388.25' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.13 cfs @ 0.53 fps)

Pond 86P: CB4



Summary for Pond 87P: CB6

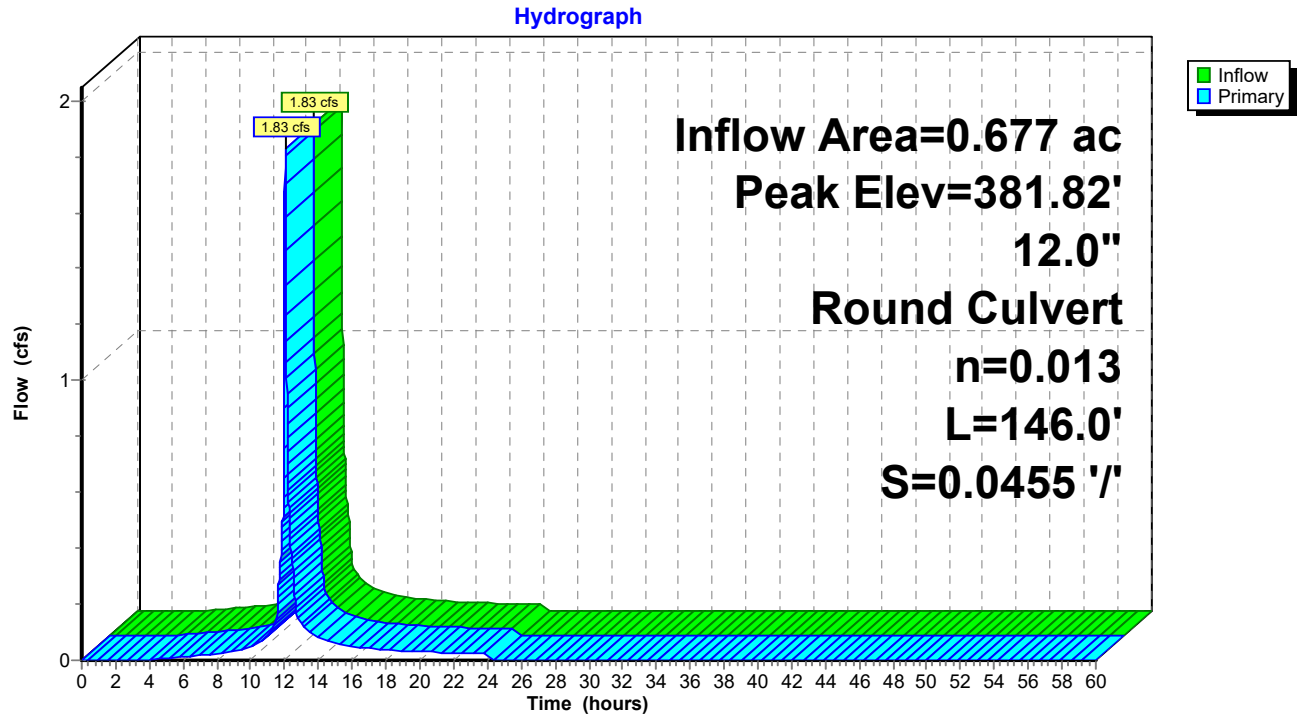
Inflow Area = 0.677 ac, 81.52% Impervious, Inflow Depth = 2.07" for 1-yr event
Inflow = 1.83 cfs @ 12.04 hrs, Volume= 0.117 af
Outflow = 1.83 cfs @ 12.04 hrs, Volume= 0.117 af, Atten= 0%, Lag= 0.0 min
Primary = 1.83 cfs @ 12.04 hrs, Volume= 0.117 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.82' @ 12.04 hrs
Flood Elev= 385.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.95'	**12.0" Round Culvert** L= 146.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.95' / 374.31' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.82 cfs @ 12.04 hrs HW=381.82' TW=375.31' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.82 cfs @ 2.51 fps)

Pond 87P: CB6



Summary for Pond 88P: CB31

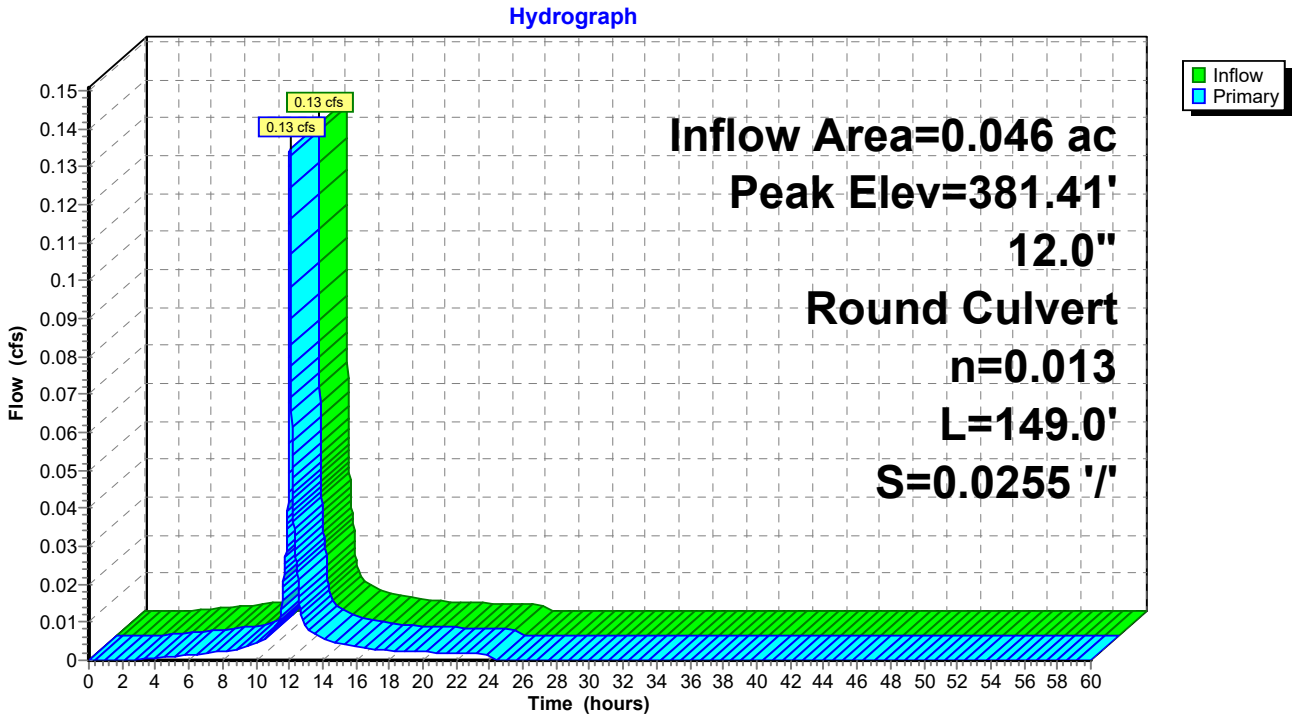
Inflow Area = 0.046 ac, 89.62% Impervious, Inflow Depth = 2.32" for 1-yr event
Inflow = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af
Outflow = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.04 hrs, Volume= 0.009 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.41' @ 12.04 hrs
Flood Elev= 385.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	381.21'	**12.0" Round Culvert** L= 149.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 381.21' / 377.41' S= 0.0255 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.04 hrs HW=381.41' TW=378.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.13 cfs @ 1.20 fps)

Pond 88P: CB31



Summary for Pond 89P: CB7

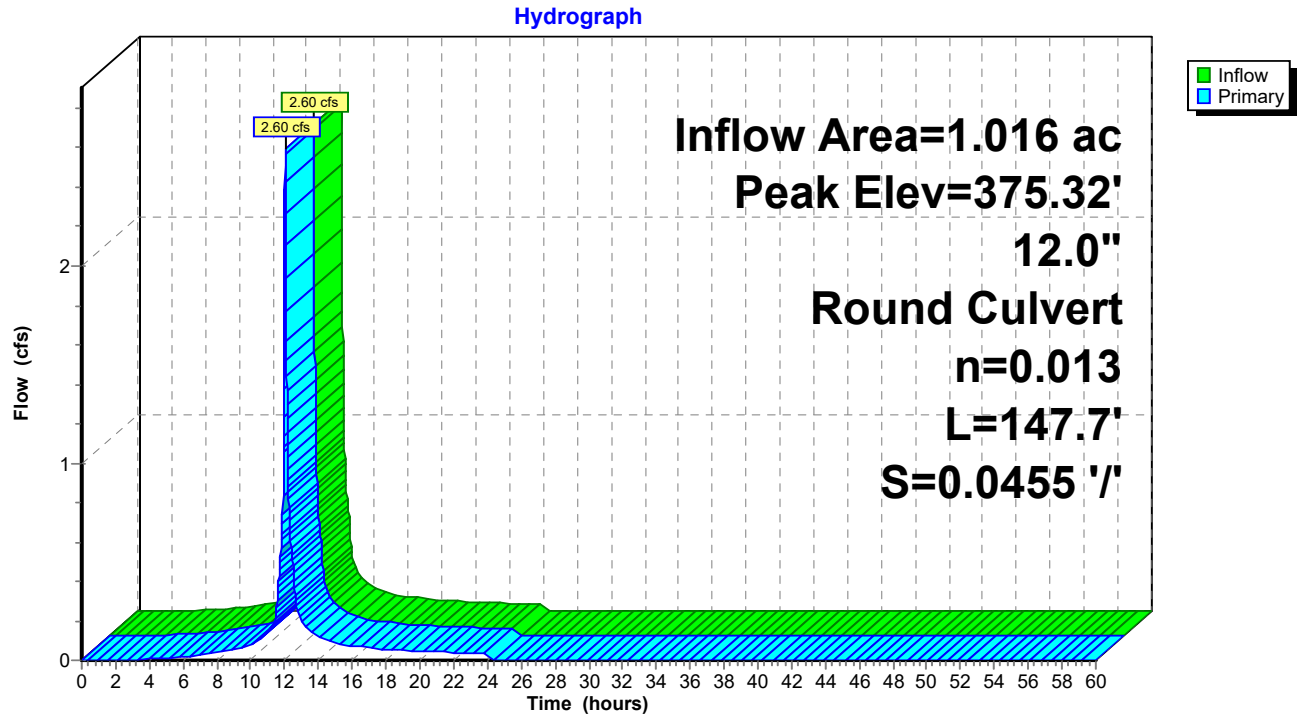
Inflow Area = 1.016 ac, 82.65% Impervious, Inflow Depth = 2.11" for 1-yr event
Inflow = 2.60 cfs @ 12.04 hrs, Volume= 0.178 af
Outflow = 2.60 cfs @ 12.04 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 2.60 cfs @ 12.04 hrs, Volume= 0.178 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.32' @ 12.04 hrs
Flood Elev= 378.39'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.06'	**12.0" Round Culvert** L= 147.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.06' / 367.34' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.59 cfs @ 12.04 hrs HW=375.31' TW=368.45' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.59 cfs @ 3.30 fps)

Pond 89P: CB7



Summary for Pond 90P: CB48

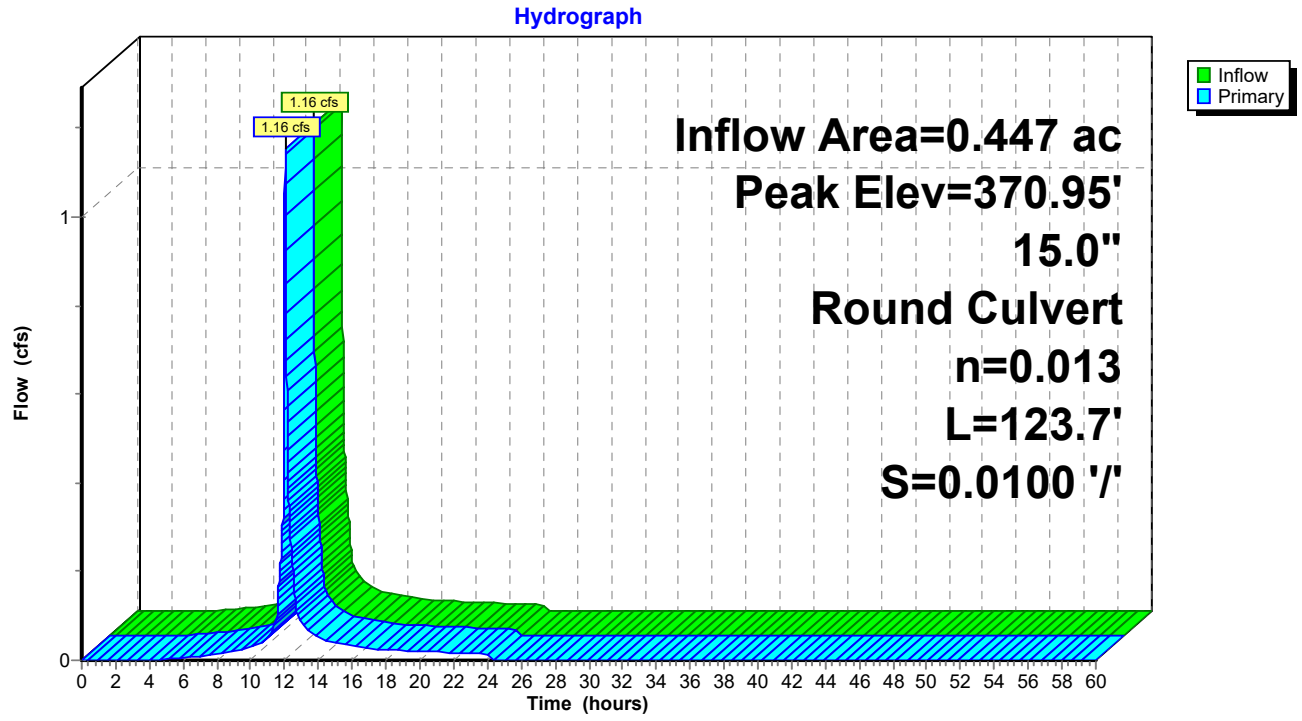
Inflow Area = 0.447 ac, 77.02% Impervious, Inflow Depth = 1.96" for 1-yr event
Inflow = 1.16 cfs @ 12.04 hrs, Volume= 0.073 af
Outflow = 1.16 cfs @ 12.04 hrs, Volume= 0.073 af, Atten= 0%, Lag= 0.0 min
Primary = 1.16 cfs @ 12.04 hrs, Volume= 0.073 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.95' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.37'	**15.0" Round Culvert** L= 123.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.37' / 369.13' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.15 cfs @ 12.04 hrs HW=370.95' TW=369.58' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.15 cfs @ 2.05 fps)

Pond 90P: CB48



Summary for Pond 92P: CB8

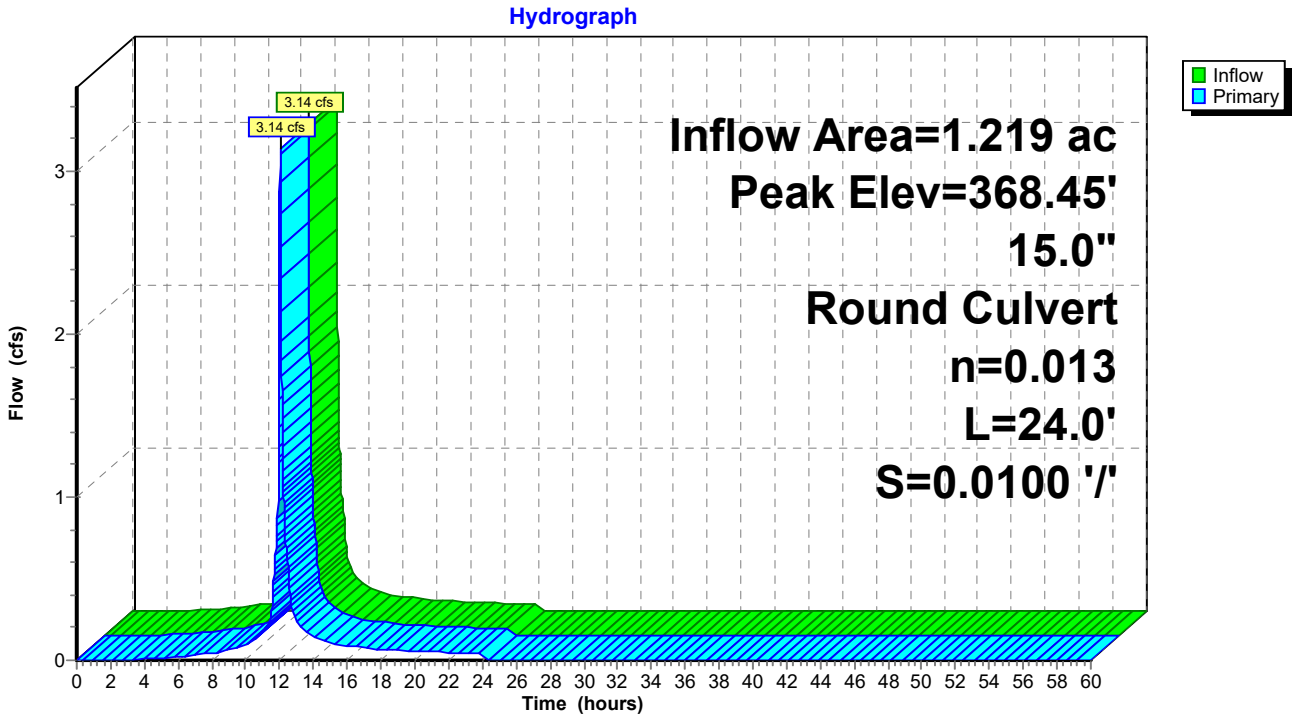
Inflow Area = 1.219 ac, 82.19% Impervious, Inflow Depth = 2.09" for 1-yr event
Inflow = 3.14 cfs @ 12.04 hrs, Volume= 0.213 af
Outflow = 3.14 cfs @ 12.04 hrs, Volume= 0.213 af, Atten= 0%, Lag= 0.0 min
Primary = 3.14 cfs @ 12.04 hrs, Volume= 0.213 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.45' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.34'	**15.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.34' / 367.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.13 cfs @ 12.04 hrs HW=368.45' TW=367.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.13 cfs @ 2.73 fps)

Pond 92P: CB8



Summary for Pond 93P: CB9

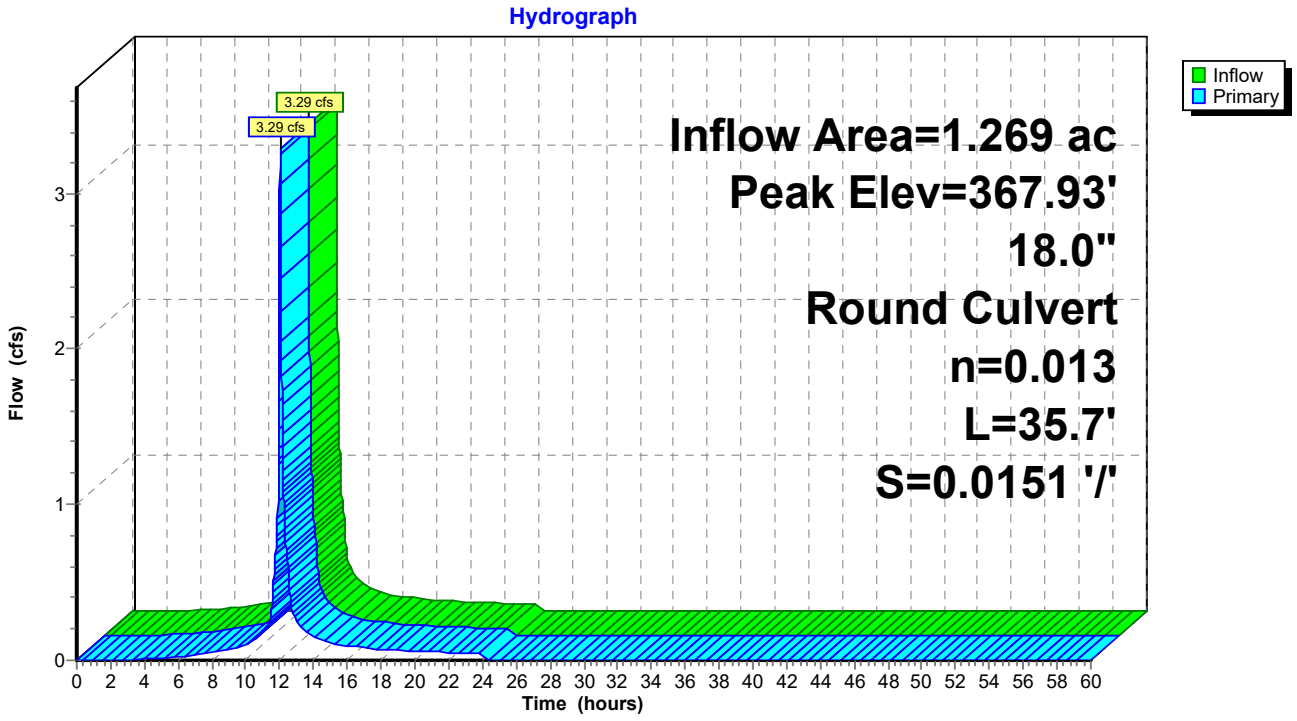
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 2.10" for 1-yr event
Inflow = 3.29 cfs @ 12.04 hrs, Volume= 0.222 af
Outflow = 3.29 cfs @ 12.04 hrs, Volume= 0.222 af, Atten= 0%, Lag= 0.0 min
Primary = 3.29 cfs @ 12.04 hrs, Volume= 0.222 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.93' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.97'	**18.0" Round Culvert** L= 35.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 366.97' / 366.43' S= 0.0151 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.28 cfs @ 12.04 hrs HW=367.93' TW=367.41' (Dynamic Tailwater)
1=Culvert (Outlet Controls 3.28 cfs @ 3.91 fps)

Pond 93P: CB9



Summary for Pond 95P: CB49

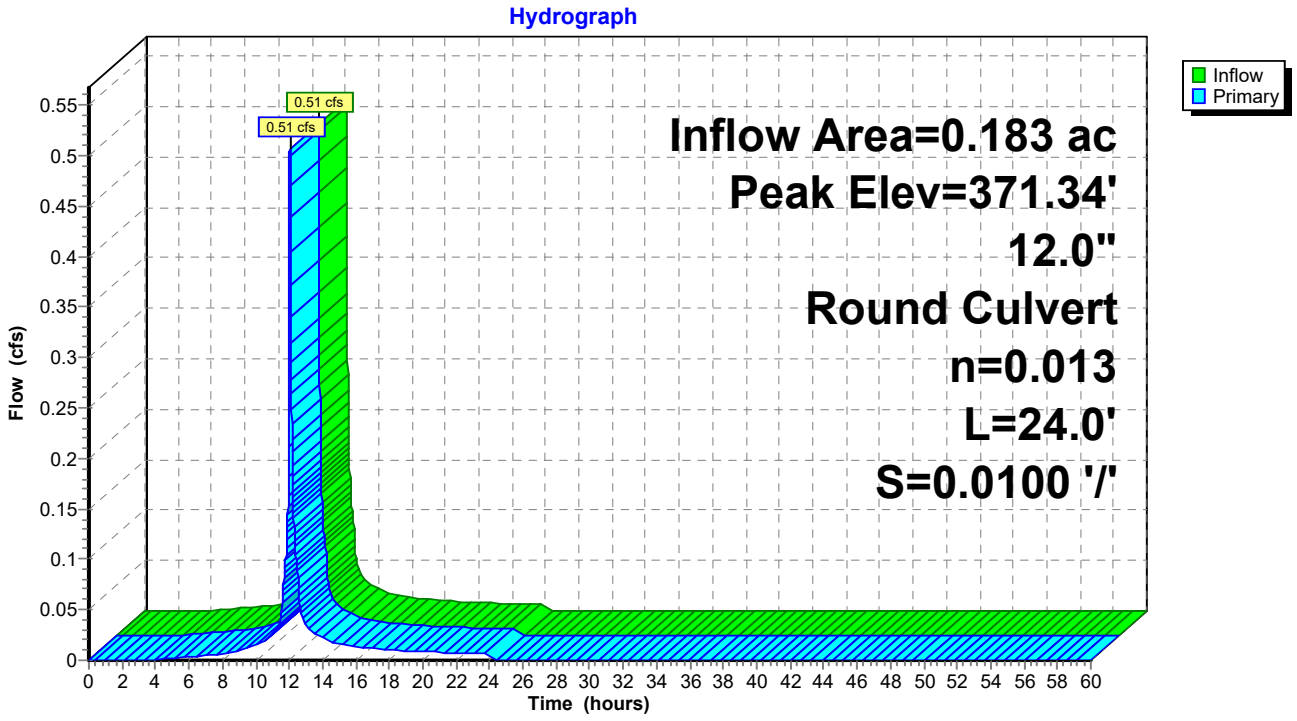
Inflow Area = 0.183 ac, 85.26% Impervious, Inflow Depth = 2.12" for 1-yr event
Inflow = 0.51 cfs @ 12.04 hrs, Volume= 0.032 af
Outflow = 0.51 cfs @ 12.04 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.51 cfs @ 12.04 hrs, Volume= 0.032 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.34' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.94'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.94' / 370.70' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.51 cfs @ 12.04 hrs HW=371.34' TW=370.95' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.51 cfs @ 1.71 fps)

Pond 95P: CB49



Summary for Pond 96P: CB50

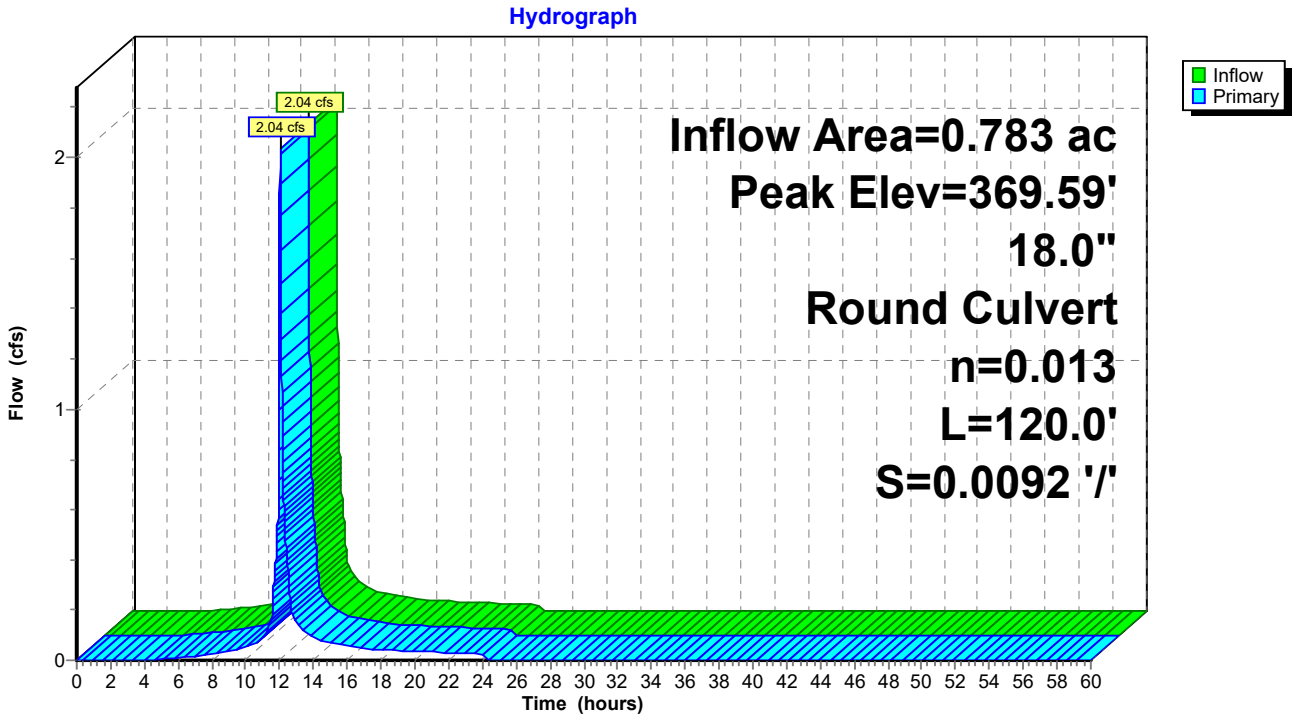
Inflow Area = 0.783 ac, 76.95% Impervious, Inflow Depth = 1.97" for 1-yr event
Inflow = 2.04 cfs @ 12.04 hrs, Volume= 0.128 af
Outflow = 2.04 cfs @ 12.04 hrs, Volume= 0.128 af, Atten= 0%, Lag= 0.0 min
Primary = 2.04 cfs @ 12.04 hrs, Volume= 0.128 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.59' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.84'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.84' / 367.74' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.03 cfs @ 12.04 hrs HW=369.58' TW=368.48' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.03 cfs @ 2.32 fps)

Pond 96P: CB50



Summary for Pond 97P: CB51

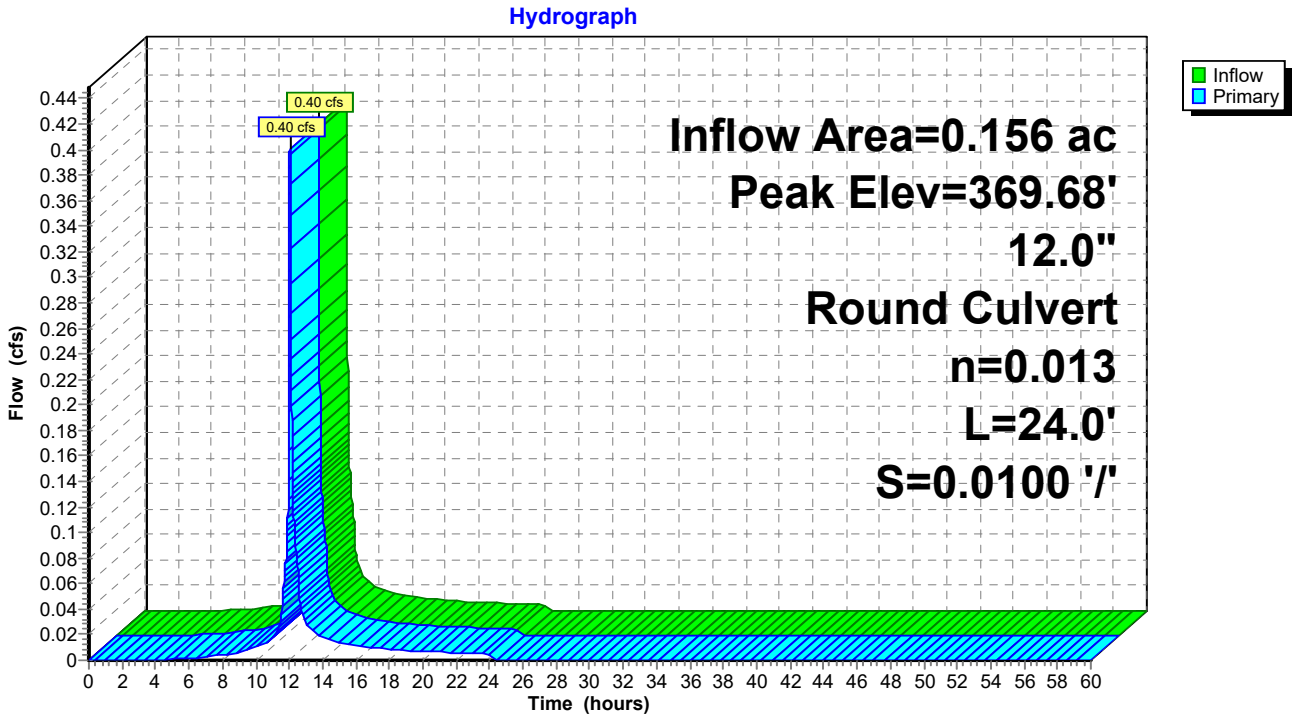
Inflow Area = 0.156 ac, 76.35% Impervious, Inflow Depth = 1.94" for 1-yr event
Inflow = 0.40 cfs @ 12.04 hrs, Volume= 0.025 af
Outflow = 0.40 cfs @ 12.04 hrs, Volume= 0.025 af, Atten= 0%, Lag= 0.0 min
Primary = 0.40 cfs @ 12.04 hrs, Volume= 0.025 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.68' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.18'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.18' / 368.94' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.04 hrs HW=369.68' TW=369.58' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.40 cfs @ 1.48 fps)

Pond 97P: CB51



Summary for Pond 98P: CB52

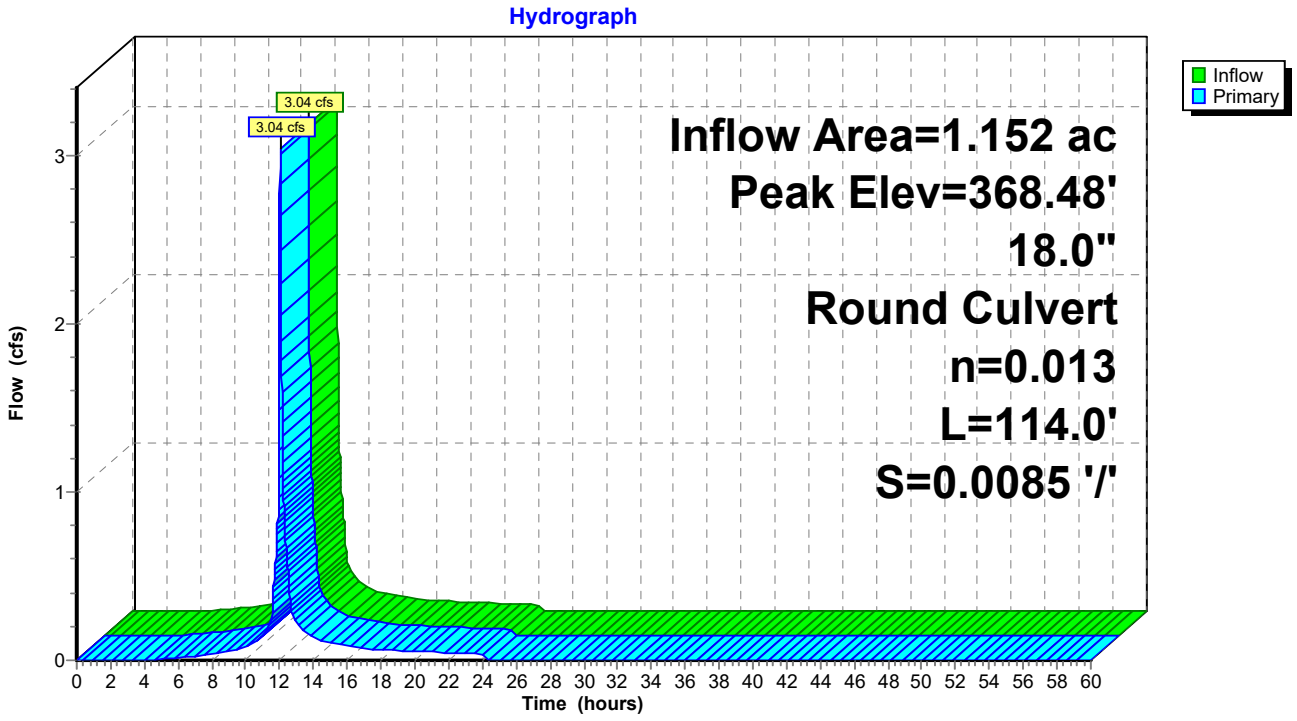
Inflow Area = 1.152 ac, 78.34% Impervious, Inflow Depth = 2.00" for 1-yr event
Inflow = 3.04 cfs @ 12.04 hrs, Volume= 0.192 af
Outflow = 3.04 cfs @ 12.04 hrs, Volume= 0.192 af, Atten= 0%, Lag= 0.0 min
Primary = 3.04 cfs @ 12.04 hrs, Volume= 0.192 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.48' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.54'	**18.0" Round Culvert** L= 114.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.54' / 366.57' S= 0.0085 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.03 cfs @ 12.04 hrs HW=368.48' TW=367.18' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.03 cfs @ 2.60 fps)

Pond 98P: CB52



Summary for Pond 99P: CB53

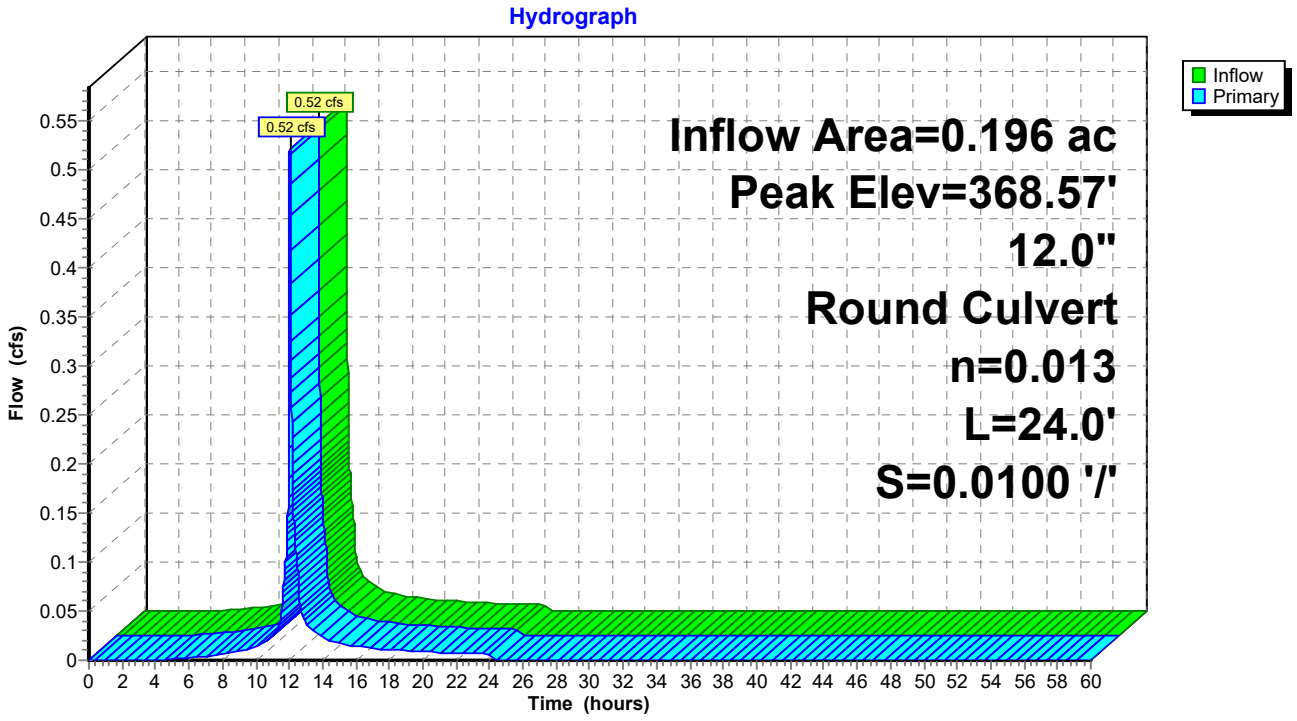
Inflow Area = 0.196 ac, 78.50% Impervious, Inflow Depth = 2.03" for 1-yr event
Inflow = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af
Outflow = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.52 cfs @ 12.04 hrs, Volume= 0.033 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.57' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.71' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.52 cfs @ 12.04 hrs HW=368.57' TW=368.48' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.52 cfs @ 1.46 fps)

Pond 99P: CB53



Summary for Pond 100P: CB54

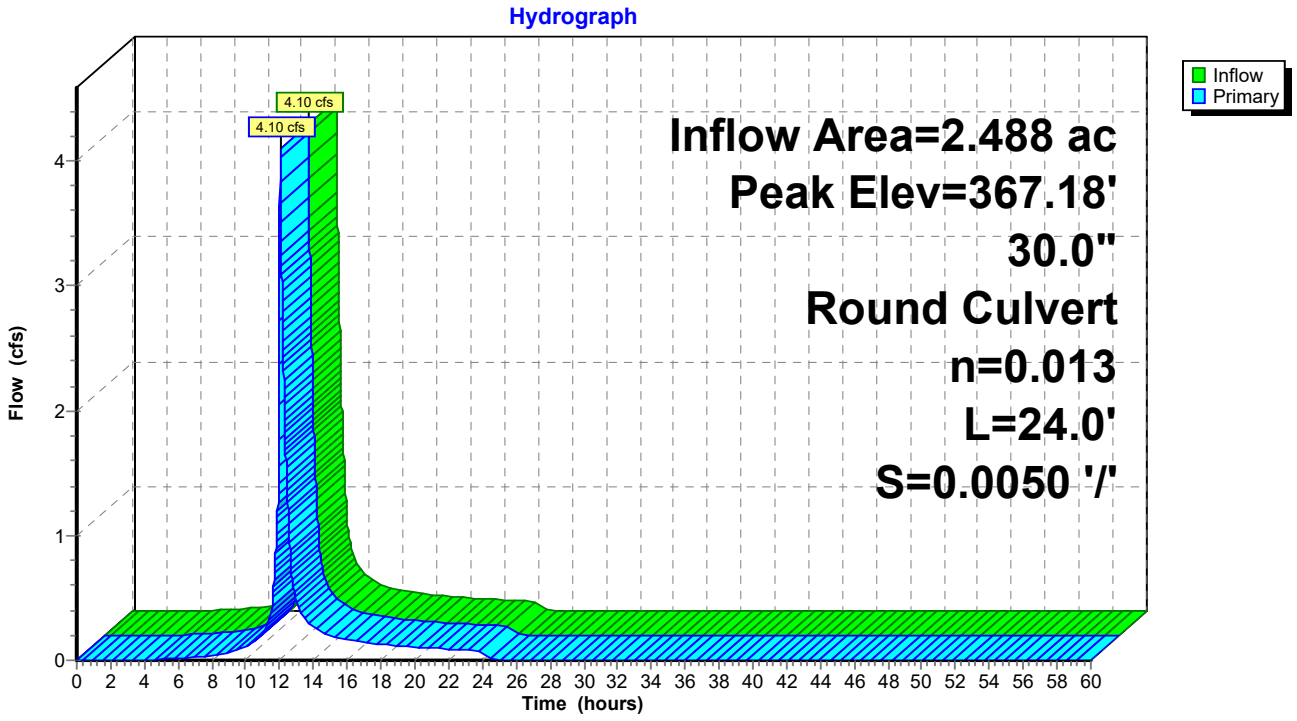
Inflow Area = 2.488 ac, 59.99% Impervious, Inflow Depth = 1.67" for 1-yr event
Inflow = 4.10 cfs @ 12.04 hrs, Volume= 0.345 af
Outflow = 4.10 cfs @ 12.04 hrs, Volume= 0.345 af, Atten= 0%, Lag= 0.0 min
Primary = 4.10 cfs @ 12.04 hrs, Volume= 0.345 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.18' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.07'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.07' / 365.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=4.09 cfs @ 12.04 hrs HW=367.18' TW=366.90' (Dynamic Tailwater)
1=Culvert (Outlet Controls 4.09 cfs @ 2.85 fps)

Pond 100P: CB54



Summary for Pond 101P: CB55

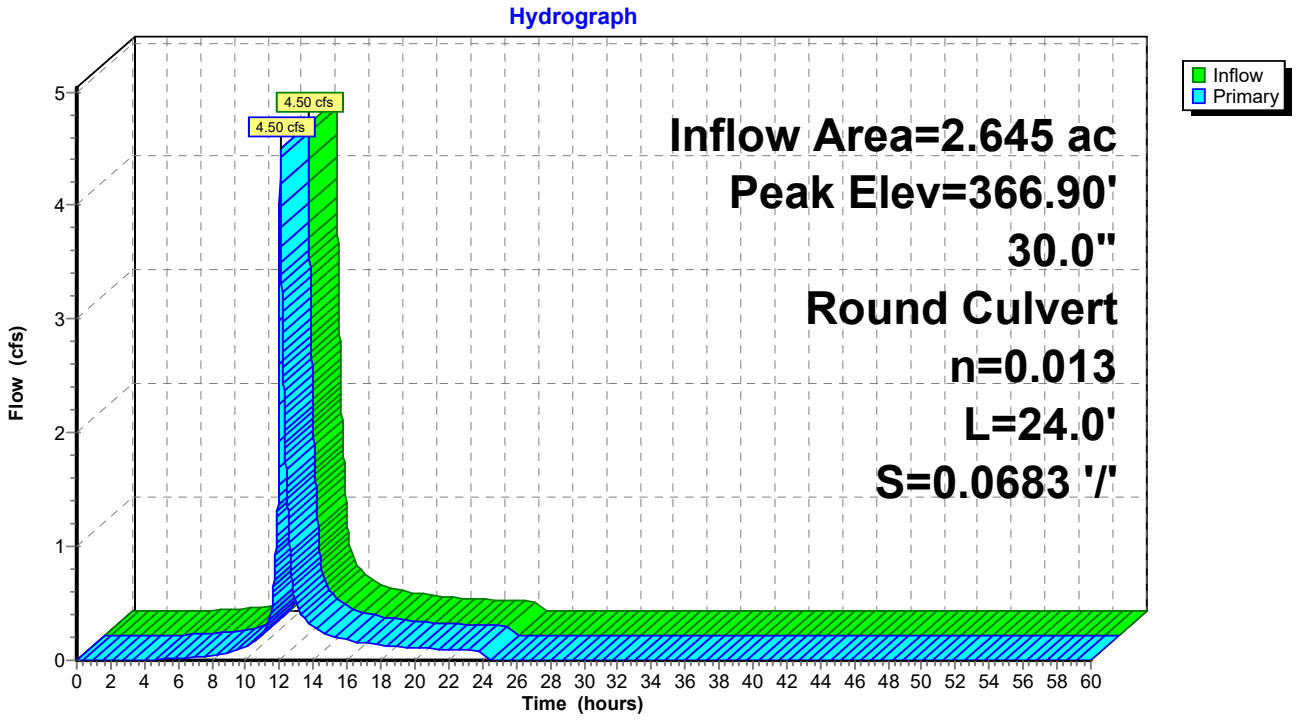
Inflow Area = 2.645 ac, 60.98% Impervious, Inflow Depth = 1.68" for 1-yr event
Inflow = 4.50 cfs @ 12.04 hrs, Volume= 0.371 af
Outflow = 4.50 cfs @ 12.04 hrs, Volume= 0.371 af, Atten= 0%, Lag= 0.0 min
Primary = 4.50 cfs @ 12.04 hrs, Volume= 0.371 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.90' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	365.95'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 365.95' / 364.31' S= 0.0683 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=4.49 cfs @ 12.04 hrs HW=366.90' TW=365.03' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.49 cfs @ 2.62 fps)

Pond 101P: CB55



Summary for Pond 102P: CB43

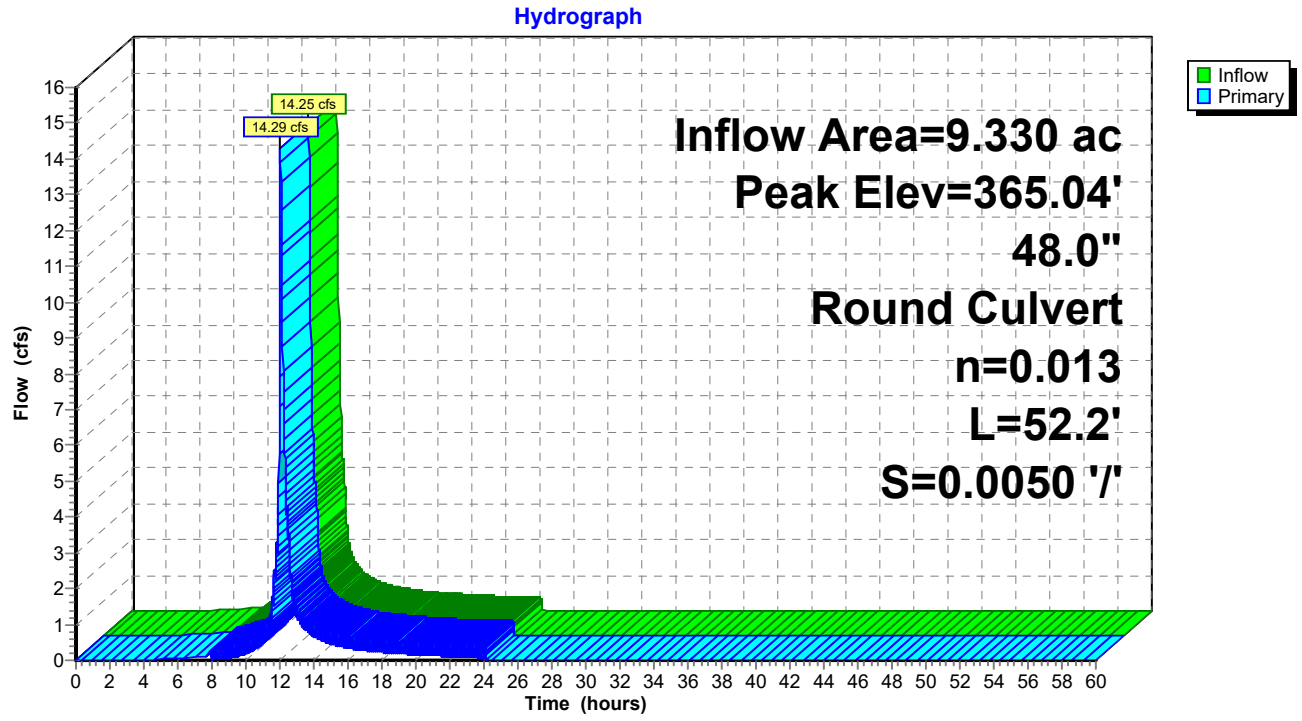
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.39" for 1-yr event
Inflow = 14.25 cfs @ 12.04 hrs, Volume= 1.084 af
Outflow = 14.29 cfs @ 12.04 hrs, Volume= 1.084 af, Atten= 0%, Lag= 0.0 min
Primary = 14.29 cfs @ 12.04 hrs, Volume= 1.084 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.04' @ 12.06 hrs
Flood Elev= 369.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.31'	**48.0" Round Culvert** L= 52.2' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.31' / 362.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=14.08 cfs @ 12.04 hrs HW=365.03' TW=364.90' (Dynamic Tailwater)
1=Culvert (Outlet Controls 14.08 cfs @ 2.19 fps)

Pond 102P: CB43



Summary for Pond 103P: CB44

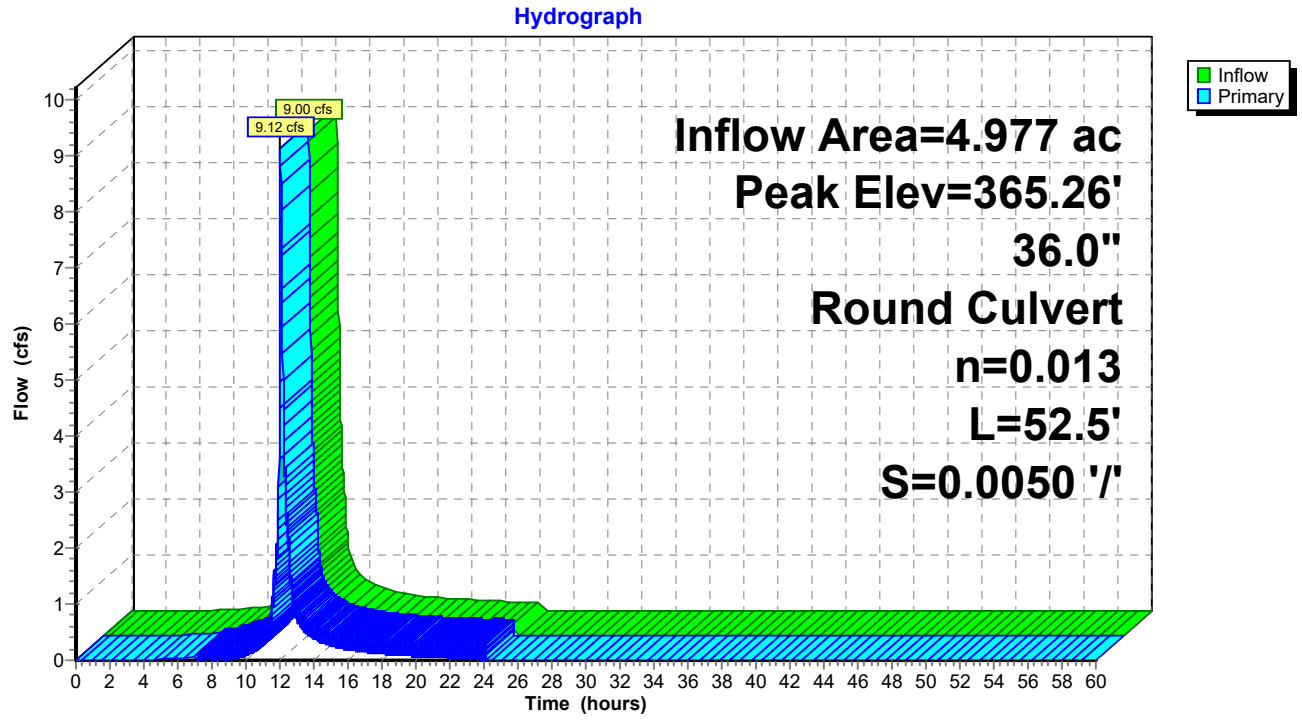
Inflow Area = 4.977 ac, 59.28% Impervious, Inflow Depth = 1.62" for 1-yr event
Inflow = 9.00 cfs @ 12.04 hrs, Volume= 0.674 af
Outflow = 9.12 cfs @ 12.04 hrs, Volume= 0.674 af, Atten= 0%, Lag= 0.0 min
Primary = 9.12 cfs @ 12.04 hrs, Volume= 0.674 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.26' @ 12.04 hrs
Flood Elev= 369.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	363.28'	**36.0" Round Culvert** L= 52.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 363.28' / 363.02' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=8.94 cfs @ 12.04 hrs HW=365.26' TW=365.03' (Dynamic Tailwater)
1=Culvert (Outlet Controls 8.94 cfs @ 2.56 fps)

Pond 103P: CB44



Summary for Pond 105P: DMH56

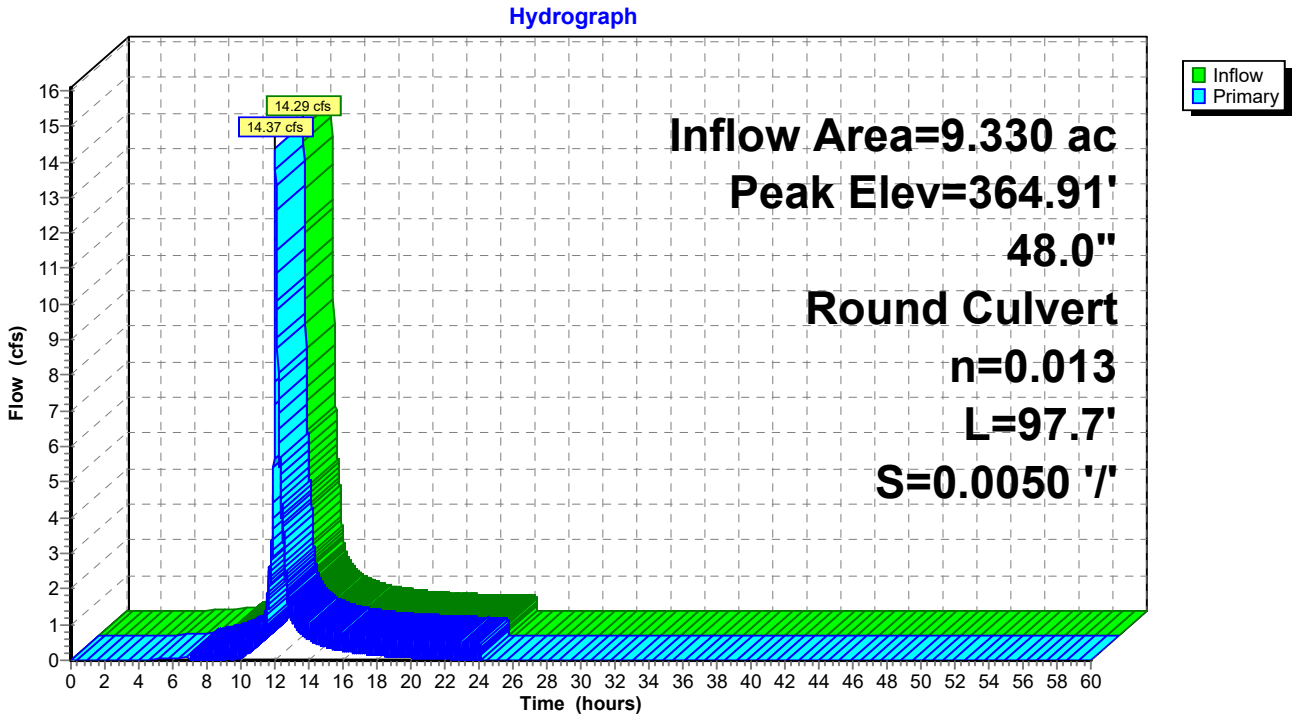
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.39" for 1-yr event
Inflow = 14.29 cfs @ 12.04 hrs, Volume= 1.084 af
Outflow = 14.37 cfs @ 12.04 hrs, Volume= 1.084 af, Atten= 0%, Lag= 0.0 min
Primary = 14.37 cfs @ 12.04 hrs, Volume= 1.084 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 364.91' @ 12.06 hrs
Flood Elev= 370.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.24'	**48.0" Round Culvert** L= 97.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.24' / 361.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=13.46 cfs @ 12.04 hrs HW=364.90' TW=364.76' (Dynamic Tailwater)
1=Culvert (Outlet Controls 13.46 cfs @ 2.15 fps)

Pond 105P: DMH56



Summary for Pond 106P: DMH57

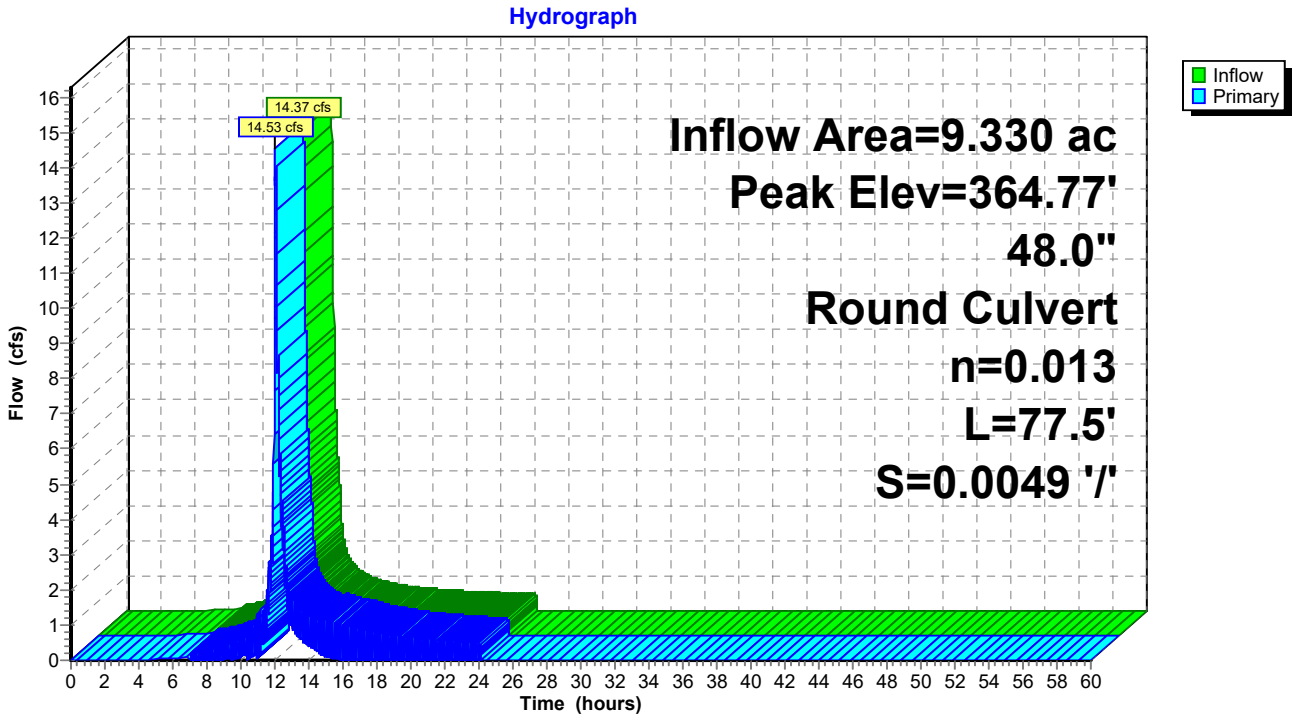
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.39" for 1-yr event
Inflow = 14.37 cfs @ 12.04 hrs, Volume= 1.084 af
Outflow = 14.53 cfs @ 12.04 hrs, Volume= 1.084 af, Atten= 0%, Lag= 0.0 min
Primary = 14.53 cfs @ 12.04 hrs, Volume= 1.085 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 364.77' @ 12.06 hrs
Flood Elev= 370.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.55'	**48.0" Round Culvert** L= 77.5' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.55' / 361.17' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=14.49 cfs @ 12.04 hrs HW=364.76' TW=364.66' (Dynamic Tailwater)
1=Culvert (Outlet Controls 14.49 cfs @ 1.84 fps)

Pond 106P: DMH57



Summary for Pond 107P: WQU58

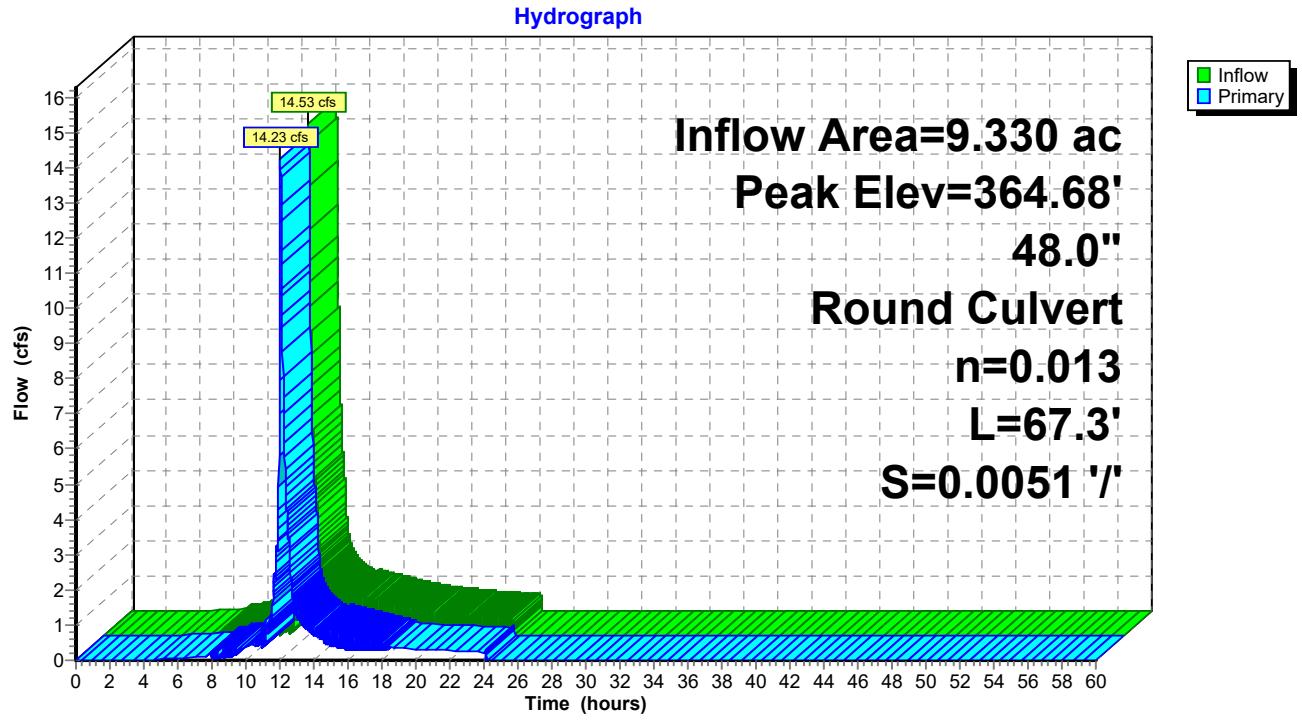
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.40" for 1-yr event
Inflow = 14.53 cfs @ 12.04 hrs, Volume= 1.085 af
Outflow = 14.23 cfs @ 12.04 hrs, Volume= 1.085 af, Atten= 2%, Lag= 0.0 min
Primary = 14.23 cfs @ 12.04 hrs, Volume= 1.085 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 364.68' @ 12.06 hrs
Flood Elev= 369.41'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.17'	**48.0" Round Culvert** L= 67.3' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.17' / 360.83' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=14.20 cfs @ 12.04 hrs HW=364.66' TW=364.59' (Dynamic Tailwater)
1=Culvert (Outlet Controls 14.20 cfs @ 1.63 fps)

Pond 107P: WQU58

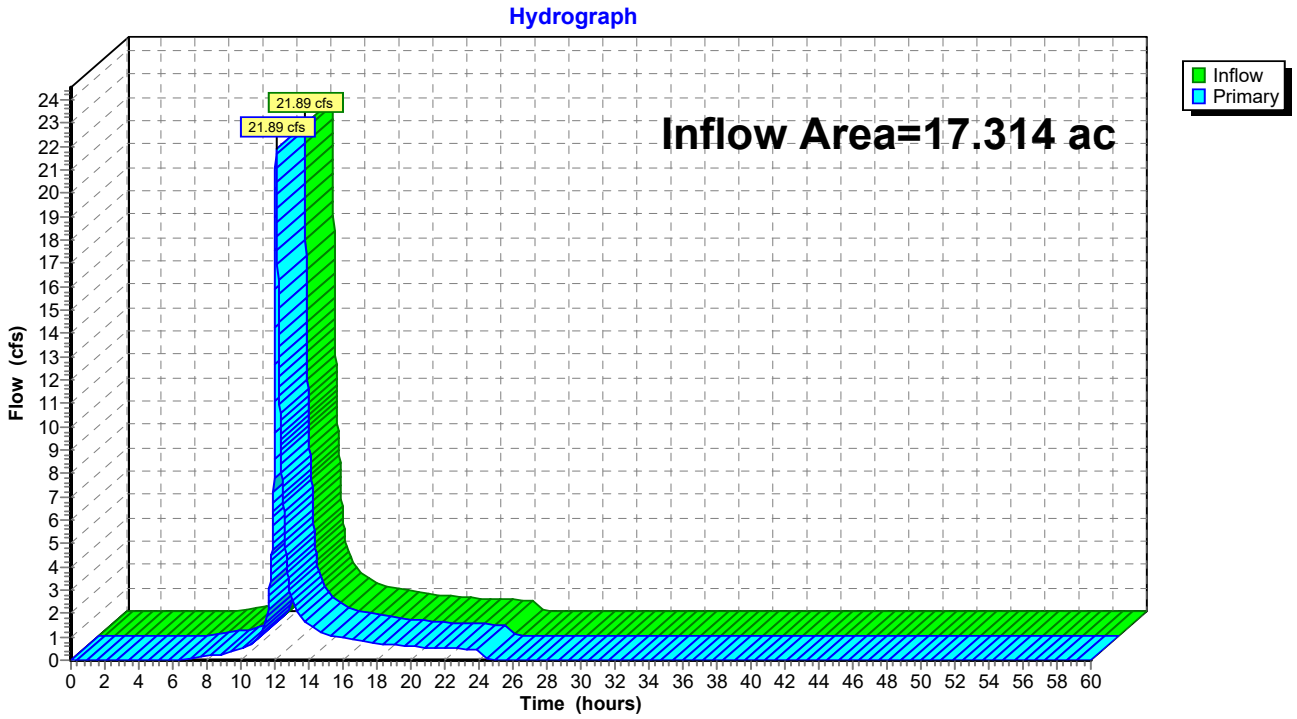


Summary for Link 9L: DP1

Inflow Area = 17.314 ac, 47.22% Impervious, Inflow Depth = 1.28" for 1-yr event
Inflow = 21.89 cfs @ 12.07 hrs, Volume= 1.853 af
Primary = 21.89 cfs @ 12.07 hrs, Volume= 1.853 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs

Link 9L: DP1



Time span=0.00-60.00 hrs, dt=0.01 hrs, 6001 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: 1S Runoff Area=2,402 sf 100.00% Impervious Runoff Depth=3.14"
Tc=6.0 min CN=98 Runoff=0.21 cfs 0.014 af

Subcatchment2S: 2S Runoff Area=950 sf 100.00% Impervious Runoff Depth=3.14"
Tc=6.0 min CN=98 Runoff=0.08 cfs 0.006 af

Subcatchment3S: 3S Runoff Area=7,934 sf 79.47% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.61 cfs 0.040 af

Subcatchment4S: 4S Runoff Area=1,832 sf 100.00% Impervious Runoff Depth=3.14"
Tc=6.0 min CN=98 Runoff=0.16 cfs 0.011 af

Subcatchment5S: 5S Runoff Area=6,456 sf 14.93% Impervious Runoff Depth=1.40"
Tc=6.0 min CN=78 Runoff=0.27 cfs 0.017 af

Subcatchment6S: 6S Runoff Area=13,000 sf 69.32% Impervious Runoff Depth=2.42"
Tc=6.0 min CN=91 Runoff=0.95 cfs 0.060 af

Subcatchment7S: 7S Runoff Area=6,040 sf 79.57% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.47 cfs 0.030 af

Subcatchment8S: 8S Runoff Area=8,525 sf 81.20% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.66 cfs 0.043 af

Subcatchment9S: 9S Runoff Area=8,672 sf 67.26% Impervious Runoff Depth=2.33"
Tc=6.0 min CN=90 Runoff=0.61 cfs 0.039 af

Subcatchment10S: 10S Runoff Area=5,790 sf 74.92% Impervious Runoff Depth=2.51"
Tc=6.0 min CN=92 Runoff=0.44 cfs 0.028 af

Subcatchment11S: 11S Runoff Area=5,768 sf 76.75% Impervious Runoff Depth=2.51"
Tc=6.0 min CN=92 Runoff=0.43 cfs 0.028 af

Subcatchment12S: 12S Runoff Area=9,851 sf 79.43% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.76 cfs 0.049 af

Subcatchment13S: 13S Runoff Area=8,998 sf 80.37% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.70 cfs 0.045 af

Subcatchment14S: 14S Runoff Area=34,531 sf 28.83% Impervious Runoff Depth=1.33"
Flow Length=477' Tc=11.4 min UI Adjusted CN=77 Runoff=1.04 cfs 0.088 af

Subcatchment15S: 15S Runoff Area=3,642 sf 97.56% Impervious Runoff Depth=3.03"
Tc=6.0 min CN=97 Runoff=0.31 cfs 0.021 af

Subcatchment16S: 16S Runoff Area=7,332 sf 81.61% Impervious Runoff Depth=2.71"
Tc=6.0 min CN=94 Runoff=0.58 cfs 0.038 af

Subcatchment17S: 17S Runoff Area=1,125 sf 86.40% Impervious Runoff Depth=2.81"
Tc=6.0 min CN=95 Runoff=0.09 cfs 0.006 af

Subcatchment18S: 18S Runoff Area=4,934 sf 80.26% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.38 cfs 0.025 af

Subcatchment19S: 19S Runoff Area=15,000 sf 80.72% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=1.16 cfs 0.075 af

Subcatchment20S: 20S Runoff Area=12,423 sf 61.49% Impervious Runoff Depth=2.24"
Tc=6.0 min CN=89 Runoff=0.84 cfs 0.053 af

Subcatchment21S: 21S Runoff Area=47,588 sf 40.96% Impervious Runoff Depth=1.83"
Flow Length=532' Tc=15.3 min CN=84 Runoff=1.78 cfs 0.166 af

Subcatchment22S: 22S Runoff Area=6,979 sf 84.42% Impervious Runoff Depth=2.71"
Tc=6.0 min CN=94 Runoff=0.56 cfs 0.036 af

Subcatchment23S: 23S Runoff Area=6,339 sf 78.42% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.49 cfs 0.032 af

Subcatchment24S: 24S Runoff Area=6,480 sf 78.29% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.50 cfs 0.032 af

Subcatchment25S: 25S Runoff Area=5,527 sf 78.18% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.43 cfs 0.028 af

Subcatchment26S: 26S Runoff Area=11,496 sf 71.13% Impervious Runoff Depth=2.42"
Tc=6.0 min CN=91 Runoff=0.84 cfs 0.053 af

Subcatchment27S: 27S Runoff Area=10,664 sf 79.74% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.83 cfs 0.053 af

Subcatchment28S: 28S Runoff Area=7,932 sf 75.84% Impervious Runoff Depth=2.51"
Tc=6.0 min CN=92 Runoff=0.60 cfs 0.038 af

Subcatchment29S: 29S Runoff Area=1,994 sf 86.01% Impervious Runoff Depth=2.81"
Tc=6.0 min CN=95 Runoff=0.16 cfs 0.011 af

Subcatchment30S: 30S Runoff Area=8,277 sf 80.34% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.64 cfs 0.041 af

Subcatchment31S: 31S Runoff Area=1,994 sf 89.62% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=96 Runoff=0.17 cfs 0.011 af

Subcatchment32S: 32S Runoff Area=10,403 sf 78.57% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.81 cfs 0.052 af

Subcatchment35S: DA-33 Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=3.14"
Tc=0.0 min CN=98 Runoff=0.44 cfs 0.026 af

Subcatchment36S: 36S Runoff Area=50,955 sf 40.77% Impervious Runoff Depth=1.83"
Flow Length=482' Tc=16.9 min CN=84 Runoff=1.81 cfs 0.178 af

Subcatchment37S: 37S Runoff Area=8,850 sf 79.86% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.69 cfs 0.044 af

Subcatchment38S: 38S Runoff Area=2,178 sf 89.99% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=96 Runoff=0.18 cfs 0.012 af

Subcatchment39S: 39S Runoff Area=11,479 sf 71.29% Impervious Runoff Depth=2.42"
Tc=6.0 min CN=91 Runoff=0.84 cfs 0.053 af

Subcatchment40S: 40S Runoff Area=7,985 sf 85.26% Impervious Runoff Depth=2.71"
Tc=6.0 min CN=94 Runoff=0.64 cfs 0.041 af

Subcatchment41S: 41S Runoff Area=7,826 sf 77.29% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.61 cfs 0.039 af

Subcatchment42S: 42S Runoff Area=6,802 sf 76.35% Impervious Runoff Depth=2.51"
Tc=6.0 min CN=92 Runoff=0.51 cfs 0.033 af

Subcatchment43S: 43S Runoff Area=7,562 sf 84.44% Impervious Runoff Depth=2.71"
Tc=6.0 min CN=94 Runoff=0.60 cfs 0.039 af

Subcatchment44S: 44S Runoff Area=8,519 sf 78.50% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.66 cfs 0.043 af

Subcatchment45S: 45S Runoff Area=7,264 sf 68.08% Impervious Runoff Depth=2.33"
Tc=6.0 min CN=90 Runoff=0.51 cfs 0.032 af

Subcatchment46S: 46S Runoff Area=6,807 sf 76.79% Impervious Runoff Depth=2.51"
Tc=6.0 min CN=92 Runoff=0.51 cfs 0.033 af

Subcatchment47S: 47S Runoff Area=10,360 sf 79.63% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.80 cfs 0.052 af

Subcatchment48S: 48S Runoff Area=15,279 sf 76.31% Impervious Runoff Depth=2.51"
Tc=6.0 min CN=92 Runoff=1.15 cfs 0.073 af

Subcatchment51S: 51S Runoff Area=6,539 sf 70.65% Impervious Runoff Depth=2.42"
Tc=6.0 min CN=91 Runoff=0.48 cfs 0.030 af

Subcatchment52S: 52S Runoff Area=8,056 sf 80.70% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=93 Runoff=0.62 cfs 0.040 af

SubcatchmentDA-3: DA-3 Runoff Area=63,072 sf 30.24% Impervious Runoff Depth=1.60"
Flow Length=838' Tc=13.9 min CN=81 Runoff=2.14 cfs 0.194 af

SubcatchmentDA-5: DA-5 Runoff Area=37,899 sf 37.79% Impervious Runoff Depth=1.75"
Flow Length=400' Tc=10.4 min CN=83 Runoff=1.62 cfs 0.127 af

Subcatchment DA-6: DA-6 Runoff Area=52,424 sf 38.71% Impervious Runoff Depth=1.75"
Tc=6.0 min CN=83 Runoff=2.79 cfs 0.175 af

Subcatchment DA-7: Conservation Area Runoff Area=139,093 sf 0.00% Impervious Runoff Depth=1.15"
Tc=6.0 min CN=74 Runoff=4.60 cfs 0.306 af

Reach 91R: Swale-North Avg. Flow Depth=0.19' Max Vel=3.69 fps Inflow=2.14 cfs 0.194 af
n=0.022 L=540.0' S=0.0463 '/' Capacity=72.68 cfs Outflow=2.08 cfs 0.194 af

Pond 6P: Pond Peak Elev=364.73' Storage=14,226 cf Inflow=25.61 cfs 1.897 af
Outflow=22.53 cfs 1.887 af

Pond 10P: WQU69 Peak Elev=367.57' Inflow=4.14 cfs 0.284 af
18.0" Round Culvert n=0.013 L=22.3' S=0.0278 '/' Outflow=4.14 cfs 0.284 af

Pond 52P: CB2 Peak Elev=403.18' Inflow=0.29 cfs 0.020 af
12.0" Round Culvert n=0.013 L=116.3' S=0.0800 '/' Outflow=0.29 cfs 0.020 af

Pond 53P: CB1 Peak Elev=403.30' Inflow=0.08 cfs 0.006 af
12.0" Round Culvert n=0.013 L=23.9' S=0.0100 '/' Outflow=0.08 cfs 0.006 af

Pond 54P: CB3 Peak Elev=394.14' Inflow=0.90 cfs 0.060 af
12.0" Round Culvert n=0.013 L=131.3' S=0.0459 '/' Outflow=0.90 cfs 0.060 af

Pond 55P: CB11 Peak Elev=392.54' Inflow=0.16 cfs 0.011 af
15.0" Round Culvert n=0.013 L=104.0' S=0.0300 '/' Outflow=0.16 cfs 0.011 af

Pond 56P: CB12 Peak Elev=390.58' Inflow=0.27 cfs 0.017 af
12.0" Round Culvert n=0.013 L=61.5' S=0.0125 '/' Outflow=0.27 cfs 0.017 af

Pond 57P: CB13 Peak Elev=389.86' Inflow=1.84 cfs 0.119 af
24.0" Round Culvert n=0.013 L=132.3' S=0.0410 '/' Outflow=1.84 cfs 0.119 af

Pond 58P: CB39 Peak Elev=369.03' Inflow=4.90 cfs 0.316 af
24.0" Round Culvert n=0.013 L=27.0' S=0.0100 '/' Outflow=4.90 cfs 0.316 af

Pond 59P: CB14 Peak Elev=390.31' Inflow=0.47 cfs 0.030 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.47 cfs 0.030 af

Pond 60P: CB16 Peak Elev=384.94' Inflow=0.66 cfs 0.043 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=0.66 cfs 0.043 af

Pond 61P: CB15 Peak Elev=384.86' Inflow=3.11 cfs 0.200 af
15.0" Round Culvert n=0.013 L=94.0' S=0.0411 '/' Outflow=3.11 cfs 0.200 af

Pond 62P: CB18 Peak Elev=380.91' Inflow=0.44 cfs 0.028 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.44 cfs 0.028 af

Pond 63P: CB17 Peak Elev=380.79' Inflow=3.98 cfs 0.255 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0410 '/' Outflow=3.98 cfs 0.255 af

Pond 64P: CB20 Peak Elev=374.98' Inflow=6.19 cfs 0.438 af
18.0" Round Culvert n=0.013 L=40.8' S=0.0299 '/' Outflow=6.19 cfs 0.438 af

Pond 65P: CB19 Peak Elev=376.20' Inflow=5.43 cfs 0.388 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=5.43 cfs 0.388 af

Pond 66P: CB21 Peak Elev=374.13' Inflow=6.50 cfs 0.459 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0313 '/' Outflow=6.50 cfs 0.459 af

Pond 67P: CB22 Peak Elev=372.94' Inflow=7.08 cfs 0.497 af
24.0" Round Culvert n=0.013 L=76.5' S=0.0550 '/' Outflow=7.08 cfs 0.497 af

Pond 68P: CB28 Peak Elev=369.72' Inflow=1.83 cfs 0.172 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0092 '/' Outflow=1.83 cfs 0.172 af

Pond 69P: CB26 Peak Elev=368.91' Inflow=8.61 cfs 0.694 af
24.0" Round Culvert n=0.013 L=72.2' S=0.0201 '/' Outflow=8.61 cfs 0.694 af

Pond 70P: CB29 Peak Elev=366.61' Inflow=10.60 cfs 0.822 af
36.0" Round Culvert n=0.013 L=325.0' S=0.0050 '/' Outflow=10.60 cfs 0.822 af

Pond 71P: CB30 Peak Elev=366.69' Inflow=0.84 cfs 0.053 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=0.84 cfs 0.053 af

Pond 72P: CB27 Peak Elev=370.16' Inflow=1.78 cfs 0.166 af
12.0" Round Culvert n=0.013 L=31.9' S=0.0100 '/' Outflow=1.78 cfs 0.166 af

Pond 73P: CB38 Peak Elev=369.44' Inflow=4.28 cfs 0.276 af
18.0" Round Culvert n=0.013 L=24.0' S=0.0087 '/' Outflow=4.28 cfs 0.276 af

Pond 74P: CB36 Peak Elev=371.49' Inflow=3.80 cfs 0.245 af
15.0" Round Culvert n=0.013 L=105.1' S=0.0320 '/' Outflow=3.80 cfs 0.245 af

Pond 75P: CB37 Peak Elev=371.79' Inflow=0.49 cfs 0.032 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.49 cfs 0.032 af

Pond 76P: CB34 Peak Elev=374.79' Inflow=2.76 cfs 0.177 af
15.0" Round Culvert n=0.013 L=102.4' S=0.0328 '/' Outflow=2.76 cfs 0.177 af

Pond 78P: WQU1 Peak Elev=368.68' Inflow=4.90 cfs 0.316 af
24.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=4.90 cfs 0.316 af

Pond 79P: Underground Infiltration Peak Elev=368.10' Storage=4,273 cf Inflow=4.90 cfs 0.316 af
Discarded=0.49 cfs 0.316 af Primary=0.00 cfs 0.000 af Outflow=0.49 cfs 0.316 af

Pond 80P: CB35 Peak Elev=375.04' Inflow=0.43 cfs 0.028 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.43 cfs 0.028 af

Pond 81P: CB32 Peak Elev=378.28' Inflow=1.83 cfs 0.118 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.83 cfs 0.118 af

Pond 82P: CB33 Peak Elev=378.34' Inflow=0.83 cfs 0.053 af
15.0" Round Culvert n=0.013 L=113.7' S=0.0717 '/' Outflow=0.83 cfs 0.053 af

Pond 84P: CB42 Peak Elev=367.71' Inflow=1.81 cfs 0.178 af
18.0" Round Culvert n=0.013 L=98.0' S=0.0039 '/' Outflow=1.81 cfs 0.178 af

Pond 85P: CB5 Peak Elev=388.36' Inflow=1.66 cfs 0.109 af
12.0" Round Culvert n=0.013 L=144.9' S=0.0455 '/' Outflow=1.66 cfs 0.109 af

Pond 86P: CB4 Peak Elev=388.38' Inflow=0.16 cfs 0.011 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.16 cfs 0.011 af

Pond 87P: CB6 Peak Elev=382.05' Inflow=2.30 cfs 0.150 af
12.0" Round Culvert n=0.013 L=146.0' S=0.0455 '/' Outflow=2.30 cfs 0.150 af

Pond 88P: CB31 Peak Elev=381.43' Inflow=0.17 cfs 0.011 af
12.0" Round Culvert n=0.013 L=149.0' S=0.0255 '/' Outflow=0.17 cfs 0.011 af

Pond 89P: CB7 Peak Elev=375.76' Inflow=3.27 cfs 0.228 af
12.0" Round Culvert n=0.013 L=147.7' S=0.0455 '/' Outflow=3.27 cfs 0.228 af

Pond 90P: CB48 Peak Elev=371.04' Inflow=1.47 cfs 0.094 af
15.0" Round Culvert n=0.013 L=123.7' S=0.0100 '/' Outflow=1.47 cfs 0.094 af

Pond 92P: CB8 Peak Elev=368.82' Inflow=3.96 cfs 0.272 af
15.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=3.96 cfs 0.272 af

Pond 93P: CB9 Peak Elev=368.10' Inflow=4.14 cfs 0.284 af
18.0" Round Culvert n=0.013 L=35.7' S=0.0151 '/' Outflow=4.14 cfs 0.284 af

Pond 95P: CB49 Peak Elev=371.40' Inflow=0.64 cfs 0.041 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.64 cfs 0.041 af

Pond 96P: CB50 Peak Elev=369.70' Inflow=2.59 cfs 0.166 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0092 '/' Outflow=2.59 cfs 0.166 af

Pond 97P: CB51 Peak Elev=369.79' Inflow=0.51 cfs 0.033 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.51 cfs 0.033 af

Pond 98P: CB52 Peak Elev=368.63' Inflow=3.85 cfs 0.248 af
18.0" Round Culvert n=0.013 L=114.0' S=0.0085 '/' Outflow=3.85 cfs 0.248 af

Pond 99P: CB53 Peak Elev=368.71' Inflow=0.66 cfs 0.043 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.66 cfs 0.043 af

Pond 100P: CB54 Peak Elev=367.36' Inflow=5.32 cfs 0.458 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=5.32 cfs 0.458 af

Pond 101P: CB55 Peak Elev=367.05' Inflow=5.83 cfs 0.491 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0683 '/' Outflow=5.83 cfs 0.491 af

Pond 102P: CB43 Peak Elev=365.31' Inflow=18.37 cfs 1.438 af
48.0" Round Culvert n=0.013 L=52.2' S=0.0050 '/' Outflow=18.43 cfs 1.438 af

Pond 103P: CB44 Peak Elev=365.59' Inflow=11.74 cfs 0.895 af
36.0" Round Culvert n=0.013 L=52.5' S=0.0050 '/' Outflow=11.74 cfs 0.895 af

Pond 105P: DMH56 Peak Elev=365.15' Inflow=18.43 cfs 1.438 af
48.0" Round Culvert n=0.013 L=97.7' S=0.0050 '/' Outflow=18.49 cfs 1.438 af

Pond 106P: DMH57 Peak Elev=364.96' Inflow=18.49 cfs 1.438 af
48.0" Round Culvert n=0.013 L=77.5' S=0.0049 '/' Outflow=18.96 cfs 1.438 af

Pond 107P: WQU58 Peak Elev=364.83' Inflow=18.96 cfs 1.438 af
48.0" Round Culvert n=0.013 L=67.3' S=0.0051 '/' Outflow=18.68 cfs 1.437 af

Link 9L: DP1 Inflow=29.52 cfs 2.514 af
Primary=29.52 cfs 2.514 af

Summary for Subcatchment 1S: 1S

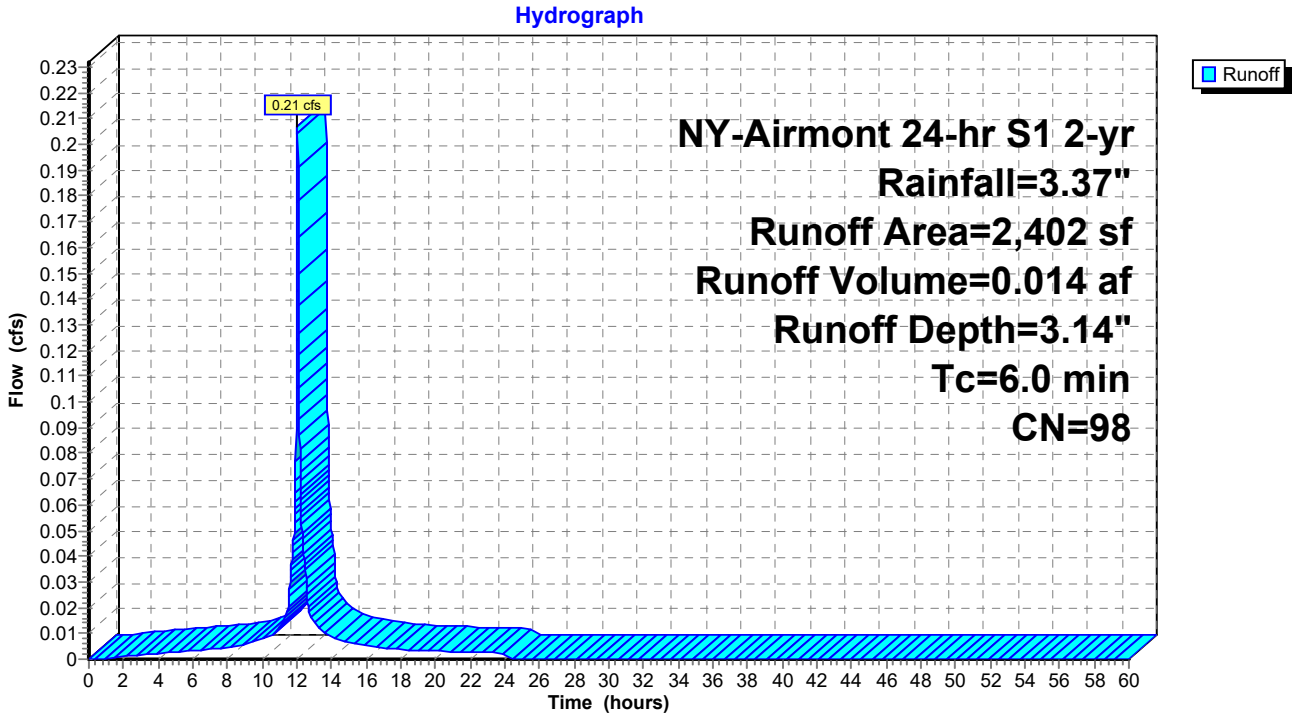
Runoff = 0.21 cfs @ 12.04 hrs, Volume= 0.014 af, Depth= 3.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
2,402	98	Paved parking, HSG C
2,402		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 1S: 1S



Summary for Subcatchment 2S: 2S

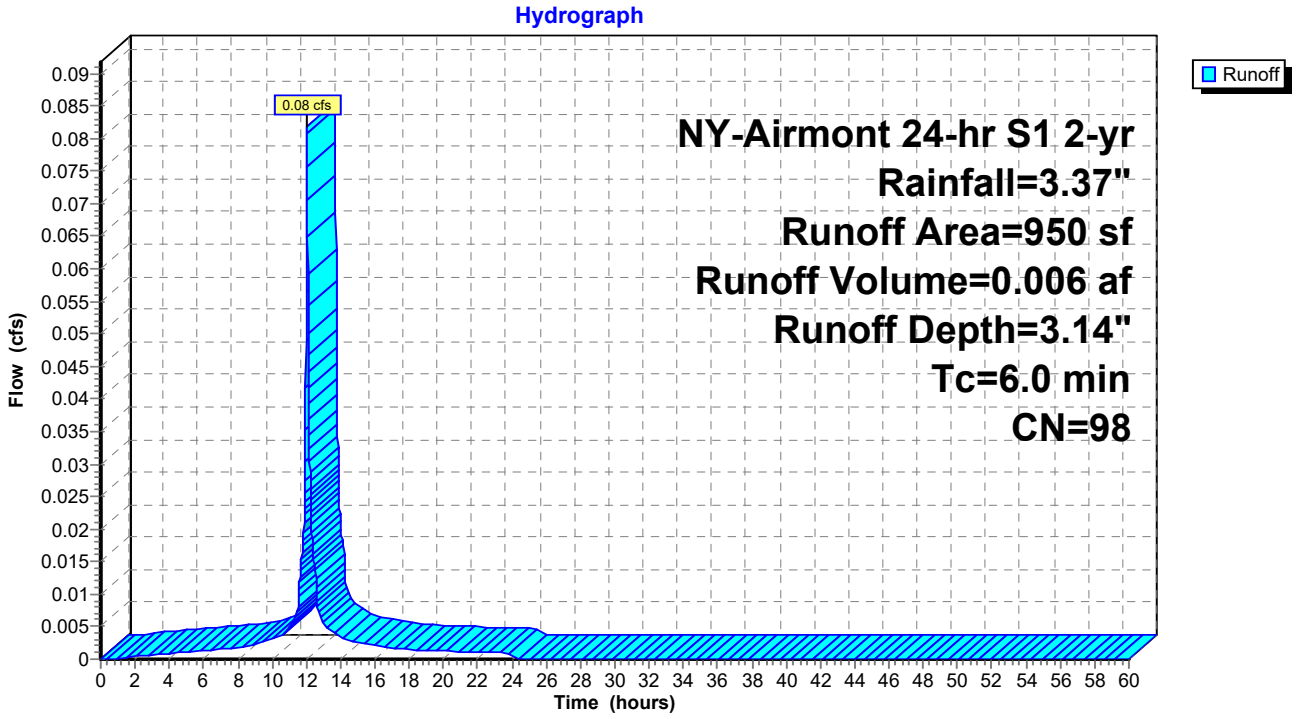
Runoff = 0.08 cfs @ 12.04 hrs, Volume= 0.006 af, Depth= 3.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
950	98	Paved parking, HSG C
950		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 2S: 2S



Summary for Subcatchment 3S: 3S

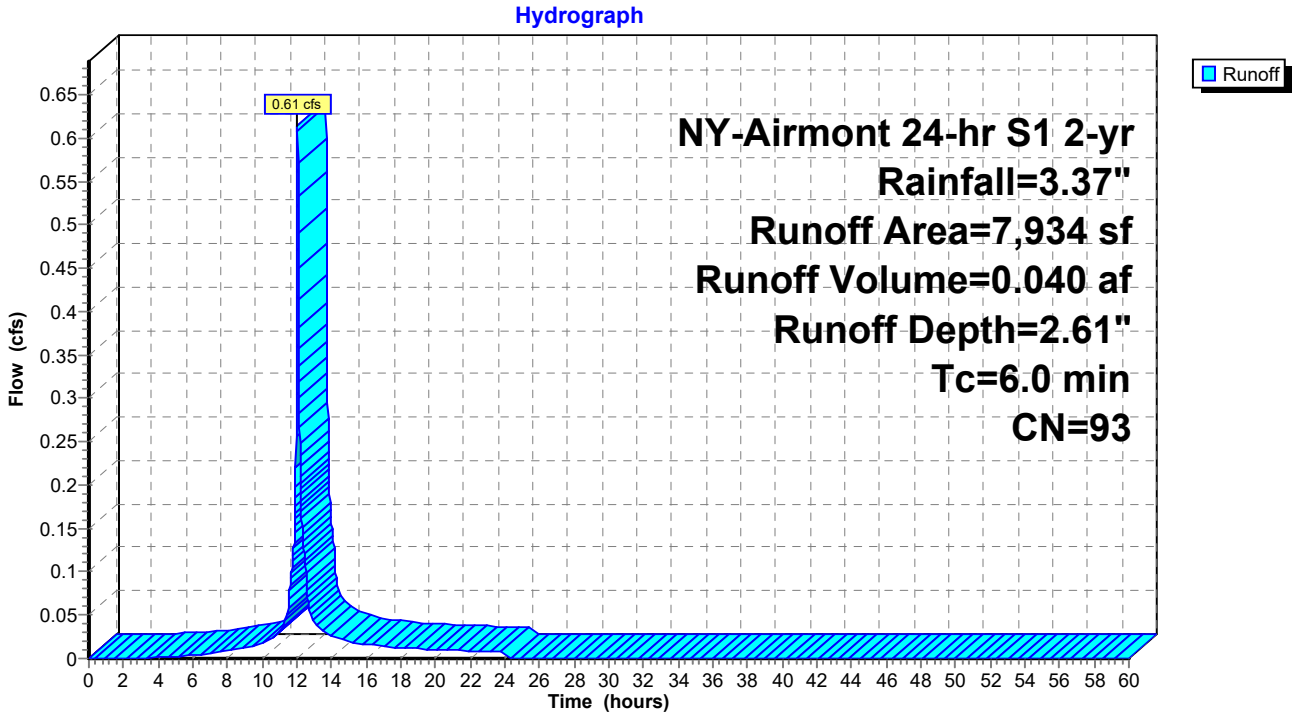
Runoff = 0.61 cfs @ 12.04 hrs, Volume= 0.040 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,629	74	>75% Grass cover, Good, HSG C
6,305	98	Paved parking, HSG C
7,934	93	Weighted Average
1,629		20.53% Pervious Area
6,305		79.47% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 3S: 3S



Summary for Subcatchment 4S: 4S

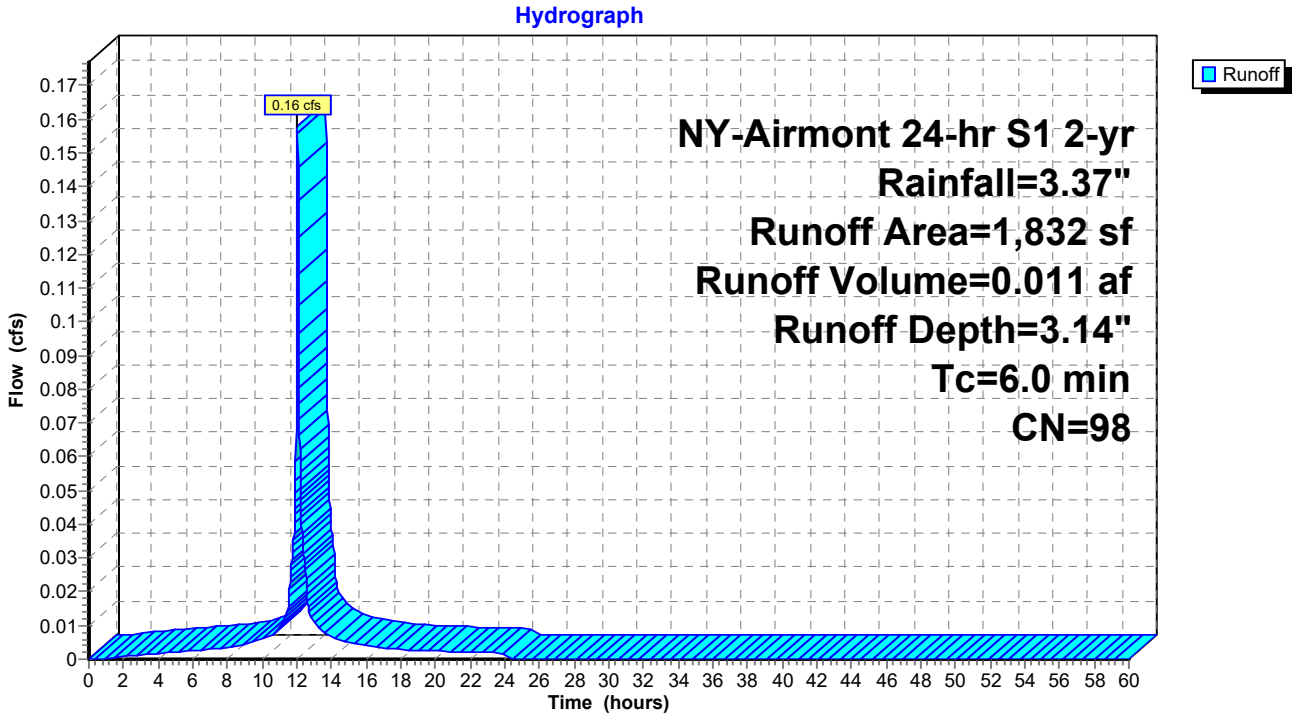
Runoff = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af, Depth= 3.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,832	98	Paved parking, HSG C
1,832		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 4S: 4S



Summary for Subcatchment 5S: 5S

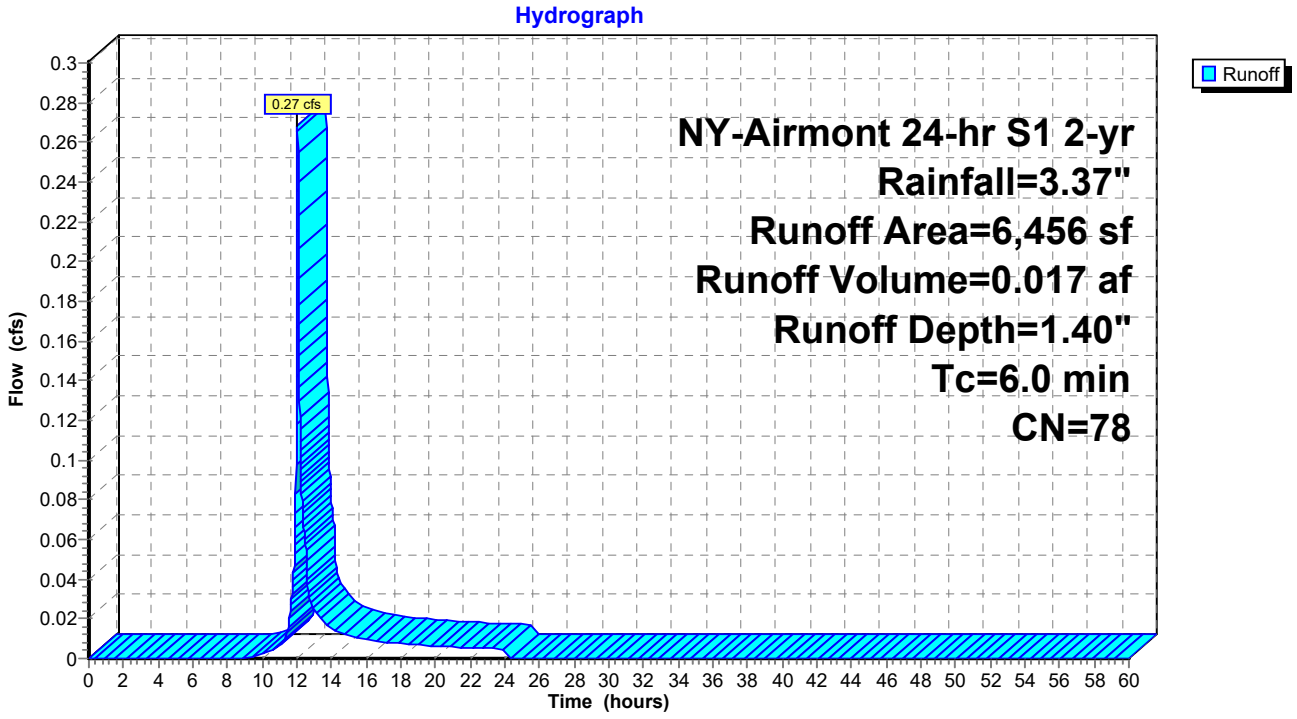
Runoff = 0.27 cfs @ 12.04 hrs, Volume= 0.017 af, Depth= 1.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
964	98	Paved parking, HSG C
5,492	74	>75% Grass cover, Good, HSG C
6,456	78	Weighted Average
5,492		85.07% Pervious Area
964		14.93% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 5S: 5S



Summary for Subcatchment 6S: 6S

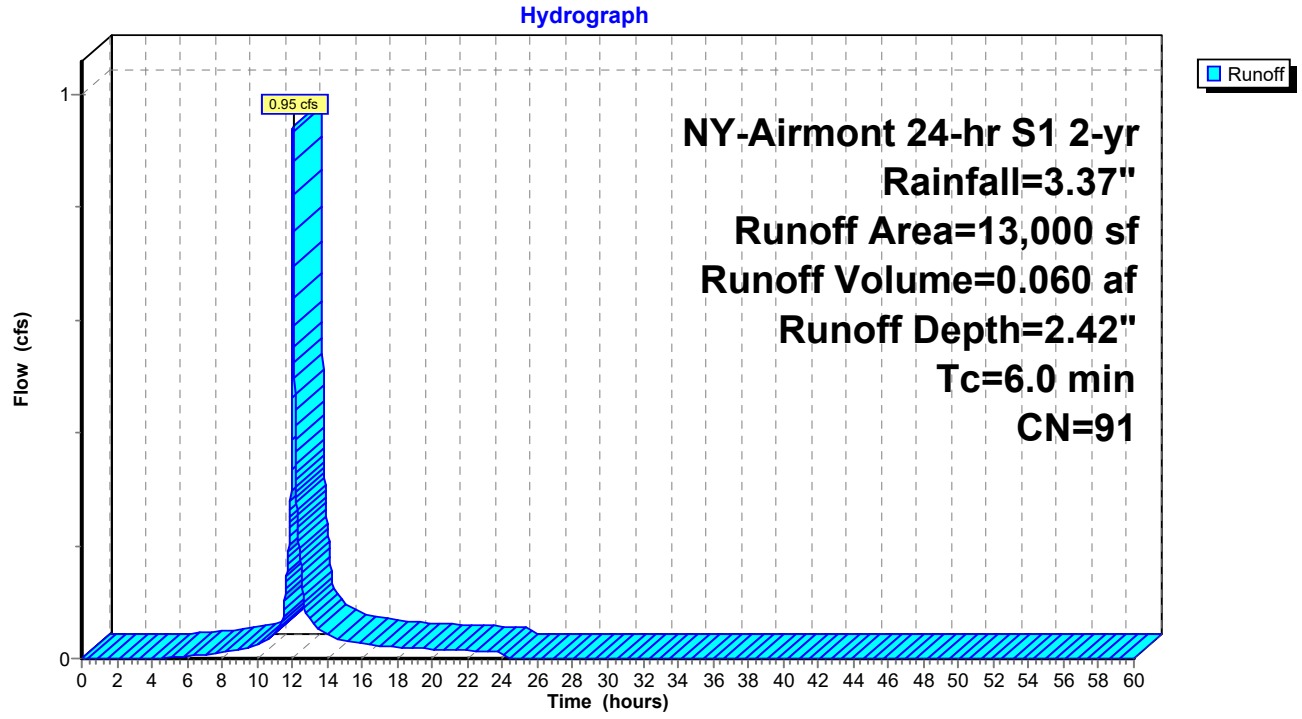
Runoff = 0.95 cfs @ 12.04 hrs, Volume= 0.060 af, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
3,988	74	>75% Grass cover, Good, HSG C
9,012	98	Paved parking, HSG C
13,000	91	Weighted Average
3,988		30.68% Pervious Area
9,012		69.32% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 6S: 6S



Summary for Subcatchment 7S: 7S

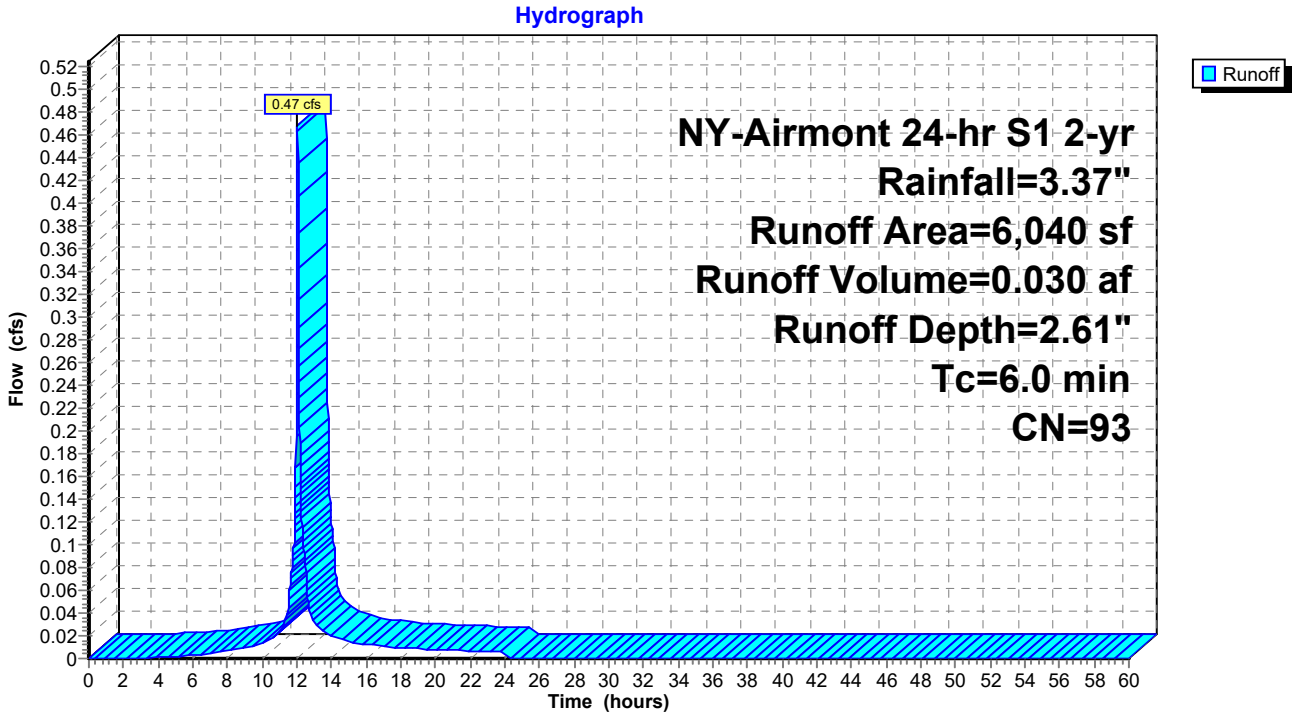
Runoff = 0.47 cfs @ 12.04 hrs, Volume= 0.030 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,234	74	>75% Grass cover, Good, HSG C
4,806	98	Paved parking, HSG C
6,040	93	Weighted Average
1,234		20.43% Pervious Area
4,806		79.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 7S: 7S



Summary for Subcatchment 8S: 8S

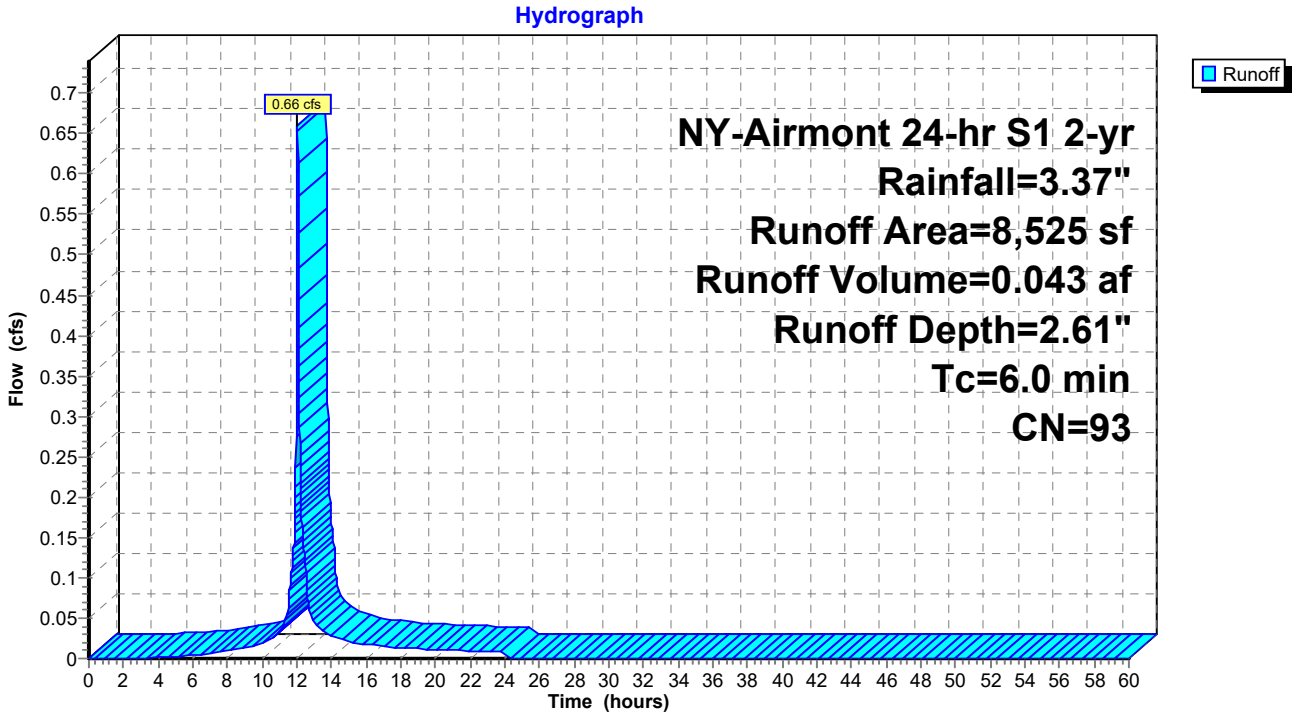
Runoff = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,603	74	>75% Grass cover, Good, HSG C
6,922	98	Paved parking, HSG C
8,525	93	Weighted Average
1,603		18.80% Pervious Area
6,922		81.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 8S: 8S



Summary for Subcatchment 9S: 9S

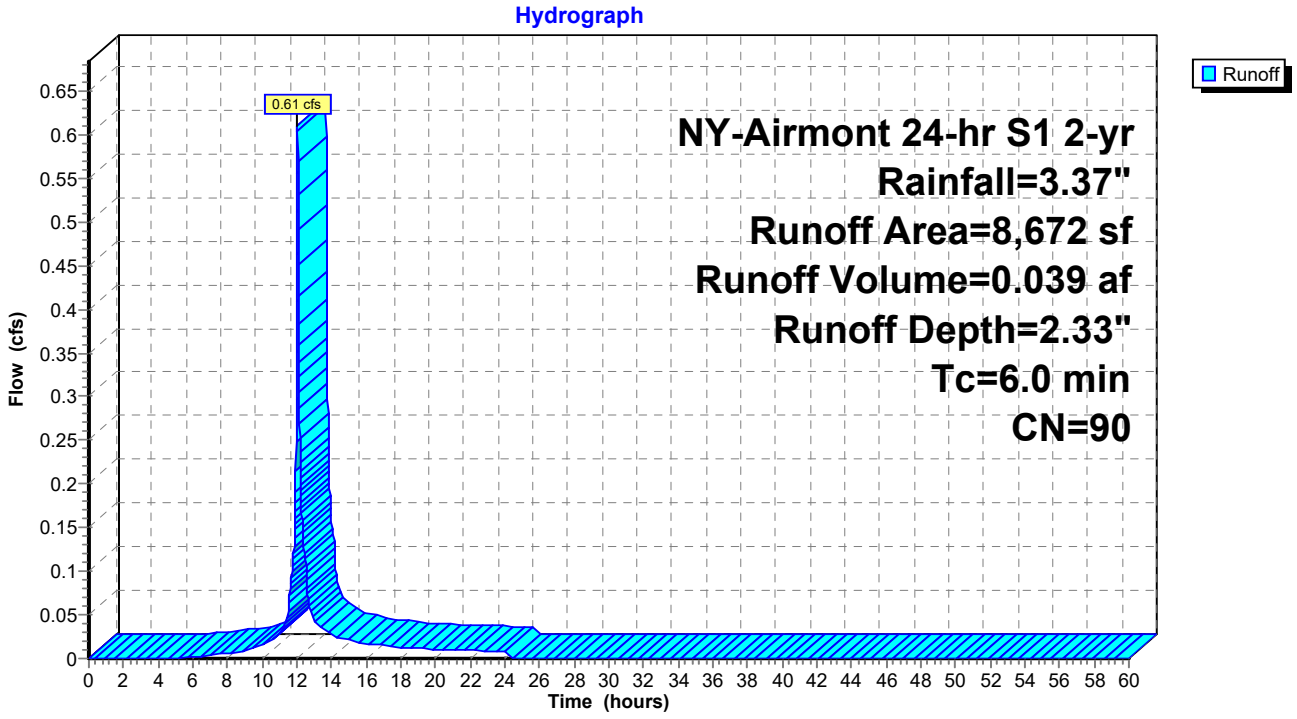
Runoff = 0.61 cfs @ 12.04 hrs, Volume= 0.039 af, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
2,839	74	>75% Grass cover, Good, HSG C
5,833	98	Paved parking, HSG C
8,672	90	Weighted Average
2,839		32.74% Pervious Area
5,833		67.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 9S: 9S



Summary for Subcatchment 10S: 10S

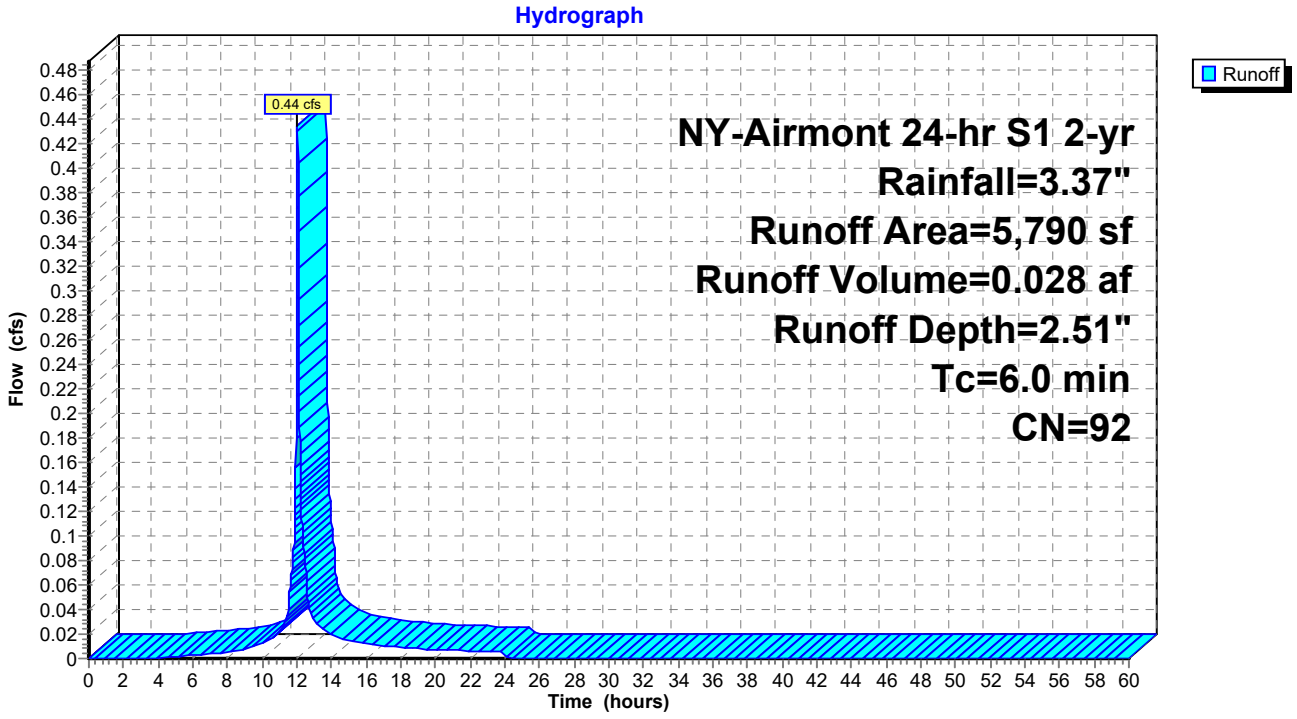
Runoff = 0.44 cfs @ 12.04 hrs, Volume= 0.028 af, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,452	74	>75% Grass cover, Good, HSG C
4,338	98	Paved parking, HSG C
5,790	92	Weighted Average
1,452		25.08% Pervious Area
4,338		74.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 10S: 10S



Summary for Subcatchment 11S: 11S

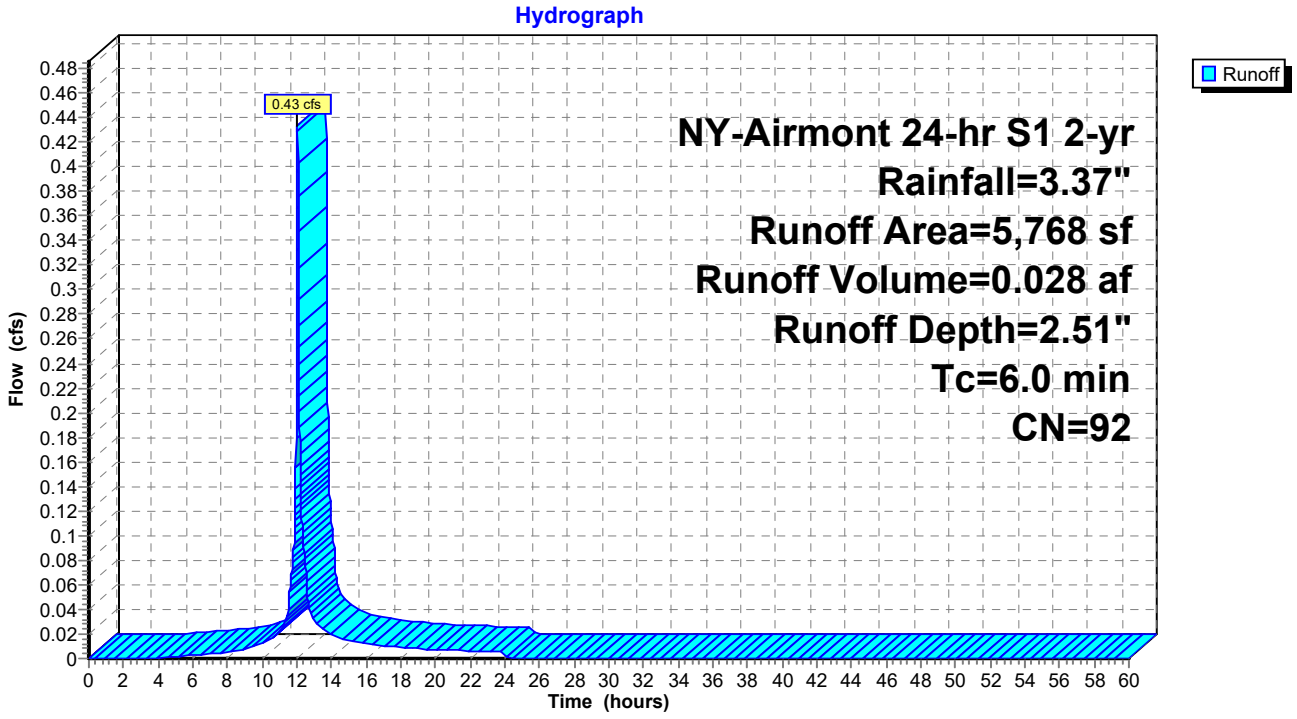
Runoff = 0.43 cfs @ 12.04 hrs, Volume= 0.028 af, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,341	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
5,768	92	Weighted Average
1,341		23.25% Pervious Area
4,427		76.75% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 11S: 11S



Summary for Subcatchment 12S: 12S

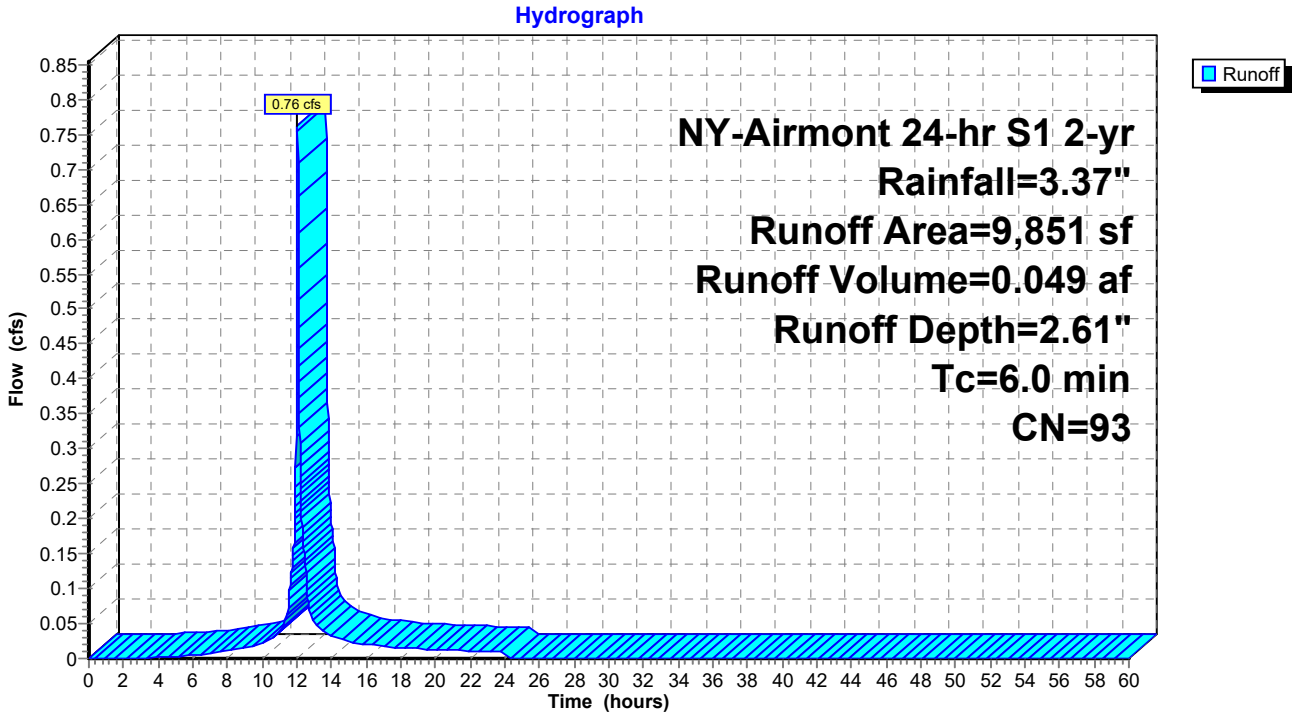
Runoff = 0.76 cfs @ 12.04 hrs, Volume= 0.049 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
2,026	74	>75% Grass cover, Good, HSG C
7,825	98	Paved parking, HSG C
9,851	93	Weighted Average
2,026		20.57% Pervious Area
7,825		79.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 12S: 12S



Summary for Subcatchment 13S: 13S

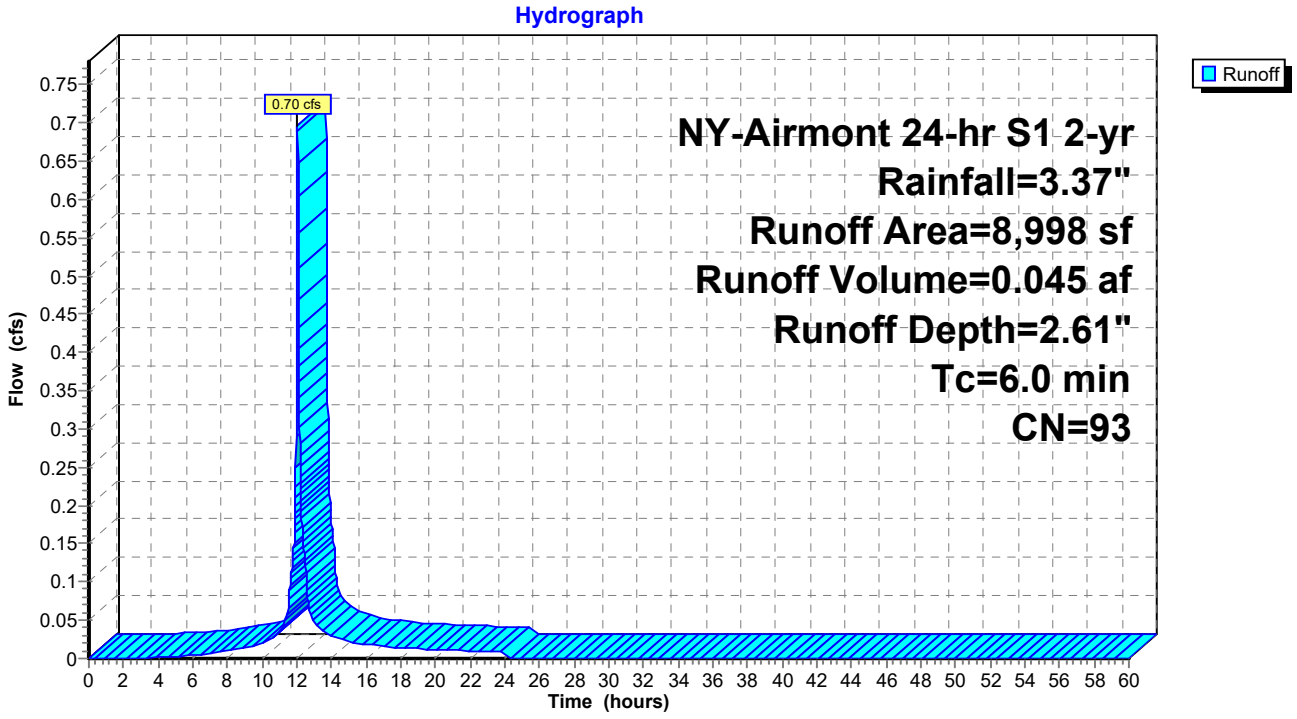
Runoff = 0.70 cfs @ 12.04 hrs, Volume= 0.045 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,766	74	>75% Grass cover, Good, HSG C
7,232	98	Paved parking, HSG C
8,998	93	Weighted Average
1,766		19.63% Pervious Area
7,232		80.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 13S: 13S



Summary for Subcatchment 14S: 14S

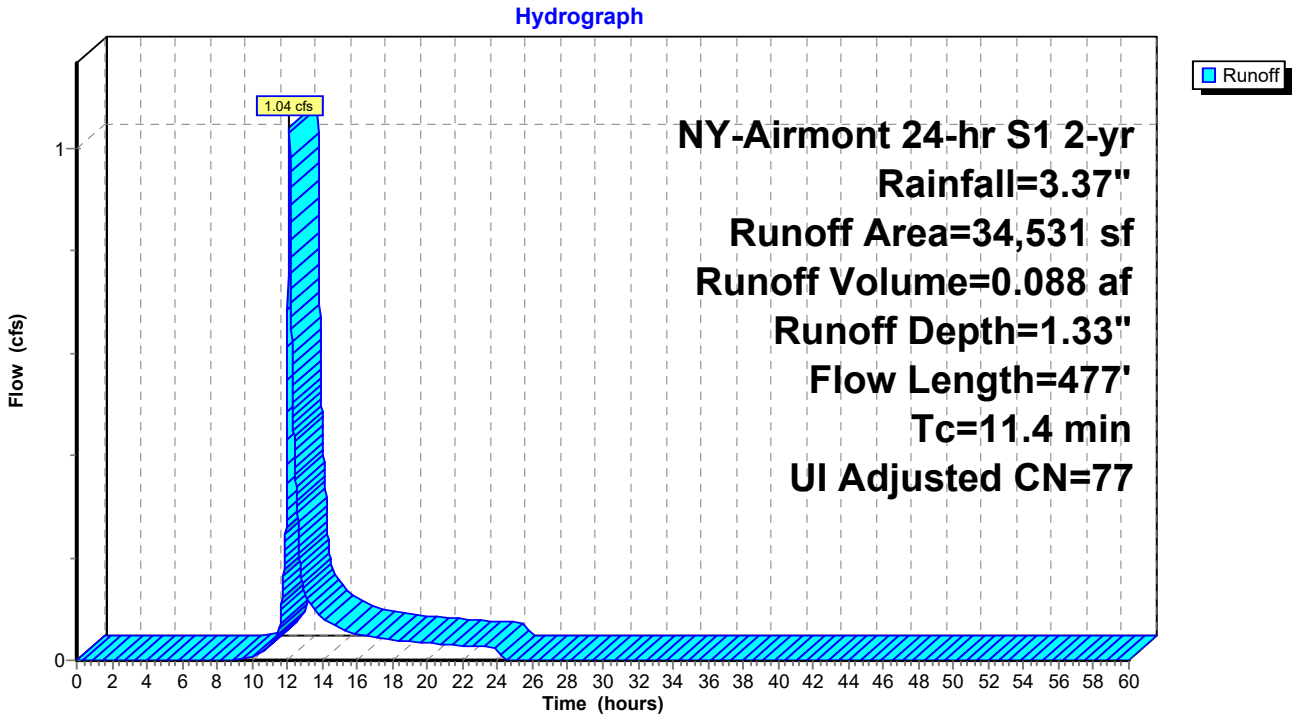
Runoff = 1.04 cfs @ 12.11 hrs, Volume= 0.088 af, Depth= 1.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Adj	Description
9,957	98		Unconnected pavement, HSG C
24,574	74		>75% Grass cover, Good, HSG C
34,531	81	77	Weighted Average, UI Adjusted
24,574			71.17% Pervious Area
9,957			28.83% Impervious Area
9,957			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	100	0.0600	0.27		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.2	377	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
11.4	477	Total			

Subcatchment 14S: 14S



Summary for Subcatchment 15S: 15S

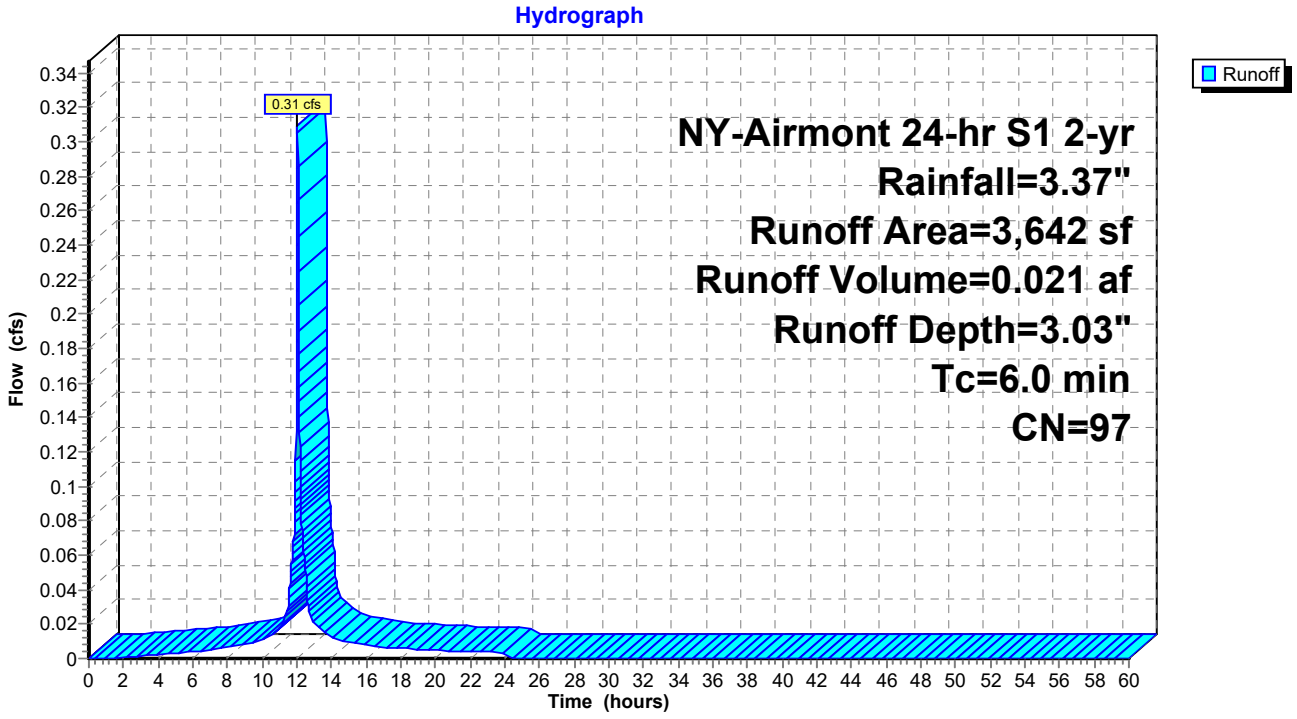
Runoff = 0.31 cfs @ 12.04 hrs, Volume= 0.021 af, Depth= 3.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
89	74	>75% Grass cover, Good, HSG C
3,553	98	Paved parking, HSG C
3,642	97	Weighted Average
89		2.44% Pervious Area
3,553		97.56% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 15S: 15S



Summary for Subcatchment 16S: 16S

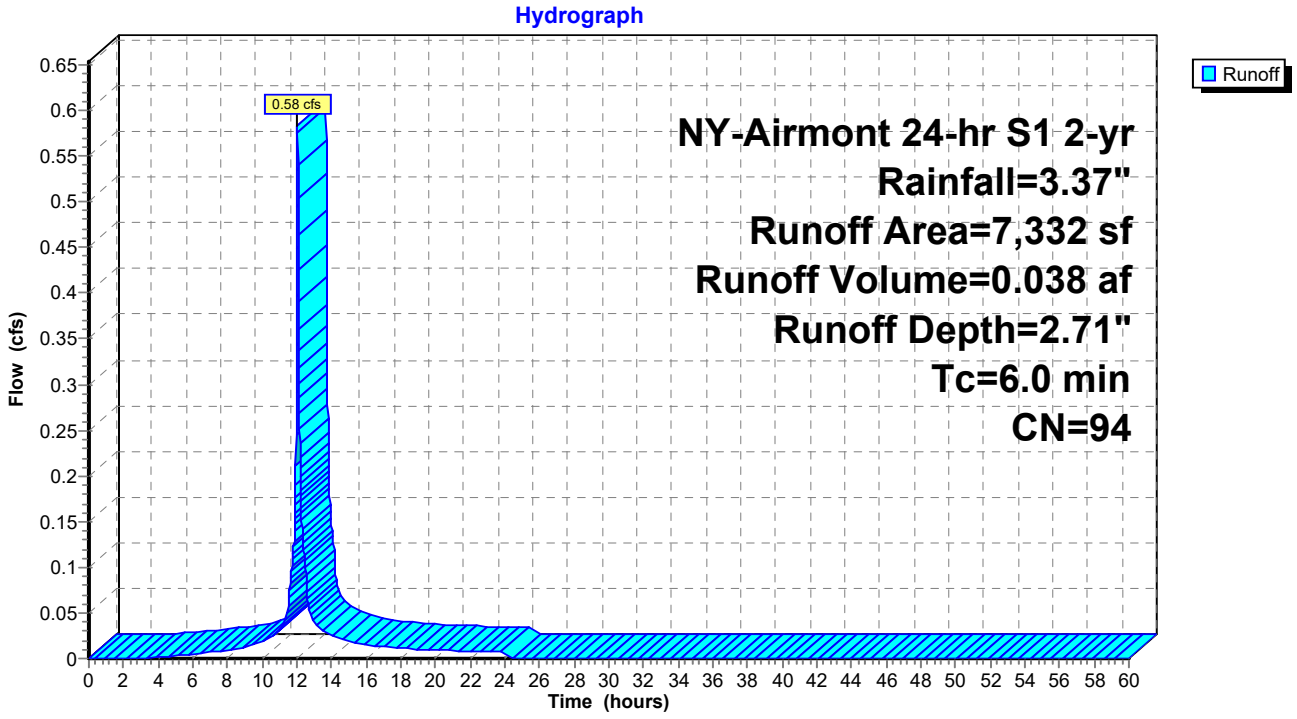
Runoff = 0.58 cfs @ 12.04 hrs, Volume= 0.038 af, Depth= 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,348	74	>75% Grass cover, Good, HSG C
5,984	98	Paved parking, HSG C
7,332	94	Weighted Average
1,348		18.39% Pervious Area
5,984		81.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 16S: 16S



Summary for Subcatchment 17S: 17S

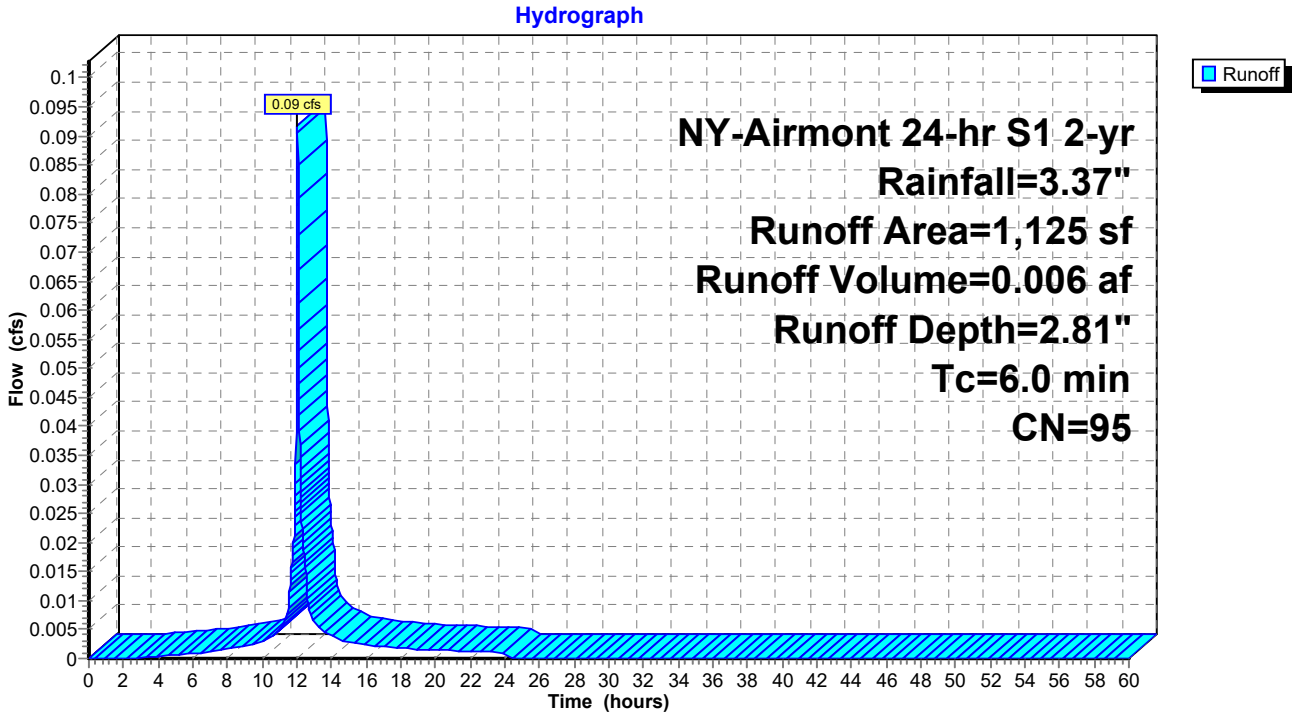
Runoff = 0.09 cfs @ 12.04 hrs, Volume= 0.006 af, Depth= 2.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
153	74	>75% Grass cover, Good, HSG C
972	98	Paved parking, HSG C
1,125	95	Weighted Average
153		13.60% Pervious Area
972		86.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 17S: 17S



Summary for Subcatchment 18S: 18S

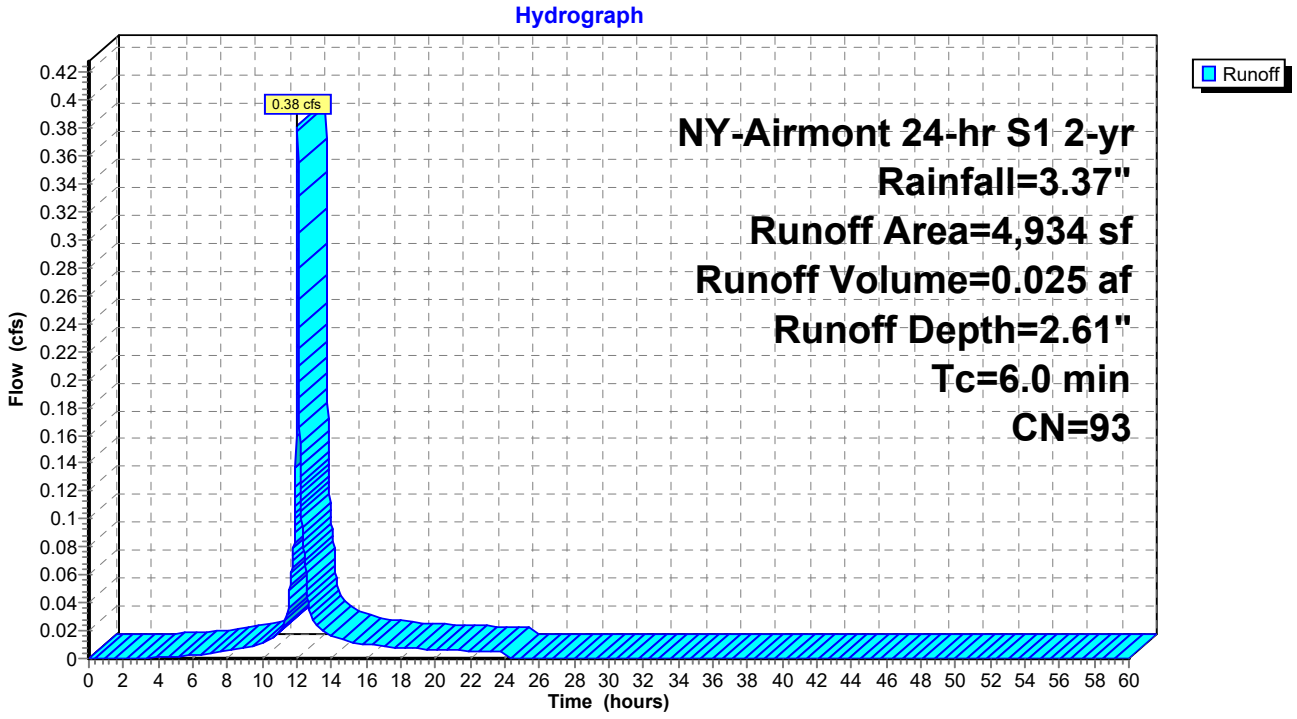
Runoff = 0.38 cfs @ 12.04 hrs, Volume= 0.025 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
974	74	>75% Grass cover, Good, HSG C
3,960	98	Paved parking, HSG C
4,934	93	Weighted Average
974		19.74% Pervious Area
3,960		80.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 18S: 18S



Summary for Subcatchment 19S: 19S

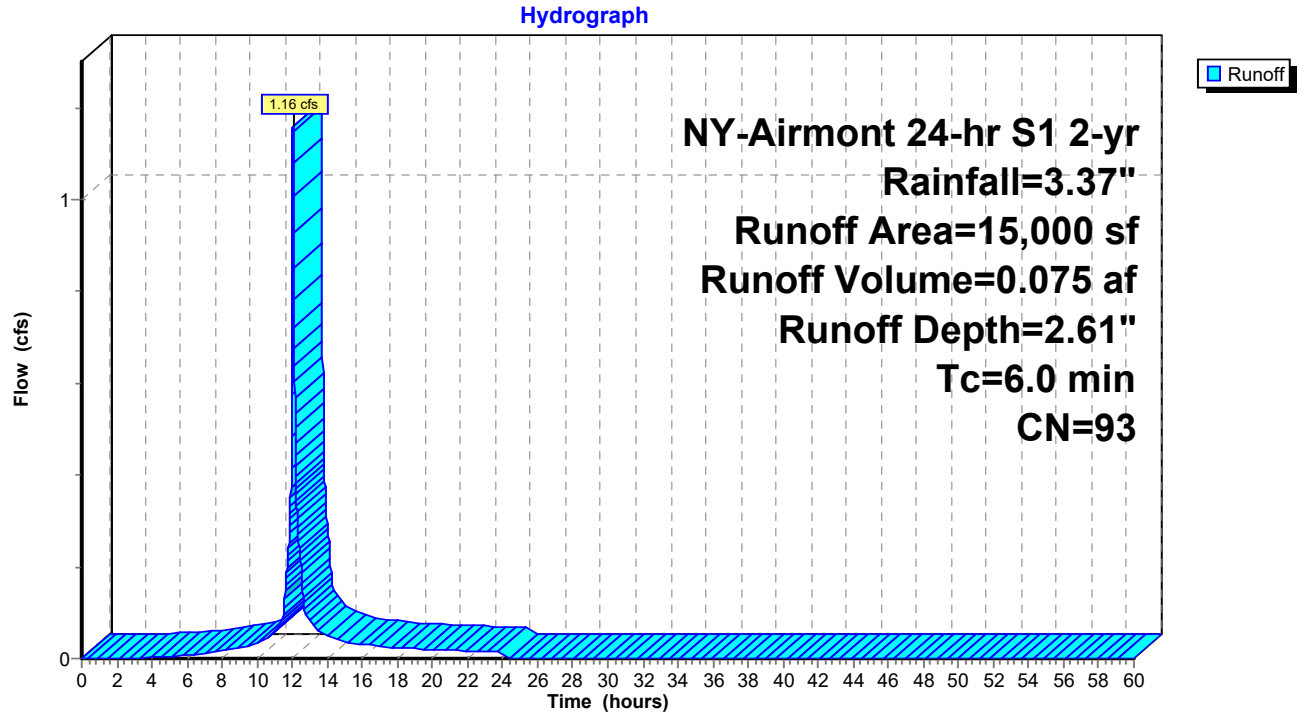
Runoff = 1.16 cfs @ 12.04 hrs, Volume= 0.075 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
2,892	74	>75% Grass cover, Good, HSG C
12,108	98	Paved parking, HSG C
15,000	93	Weighted Average
2,892		19.28% Pervious Area
12,108		80.72% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 19S: 19S



Summary for Subcatchment 20S: 20S

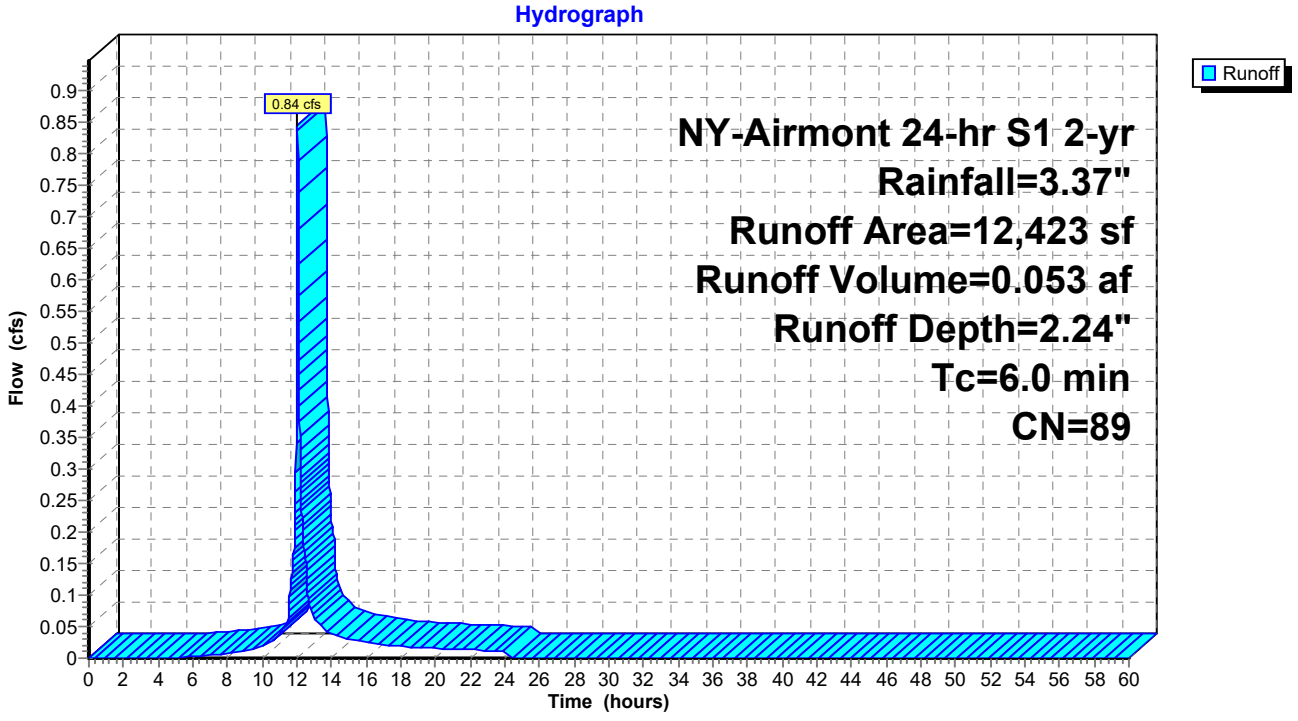
Runoff = 0.84 cfs @ 12.04 hrs, Volume= 0.053 af, Depth= 2.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
7,639	98	Unconnected pavement, HSG C
4,784	74	>75% Grass cover, Good, HSG C
12,423	89	Weighted Average
4,784		38.51% Pervious Area
7,639		61.49% Impervious Area
7,639		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 20S: 20S



Summary for Subcatchment 21S: 21S

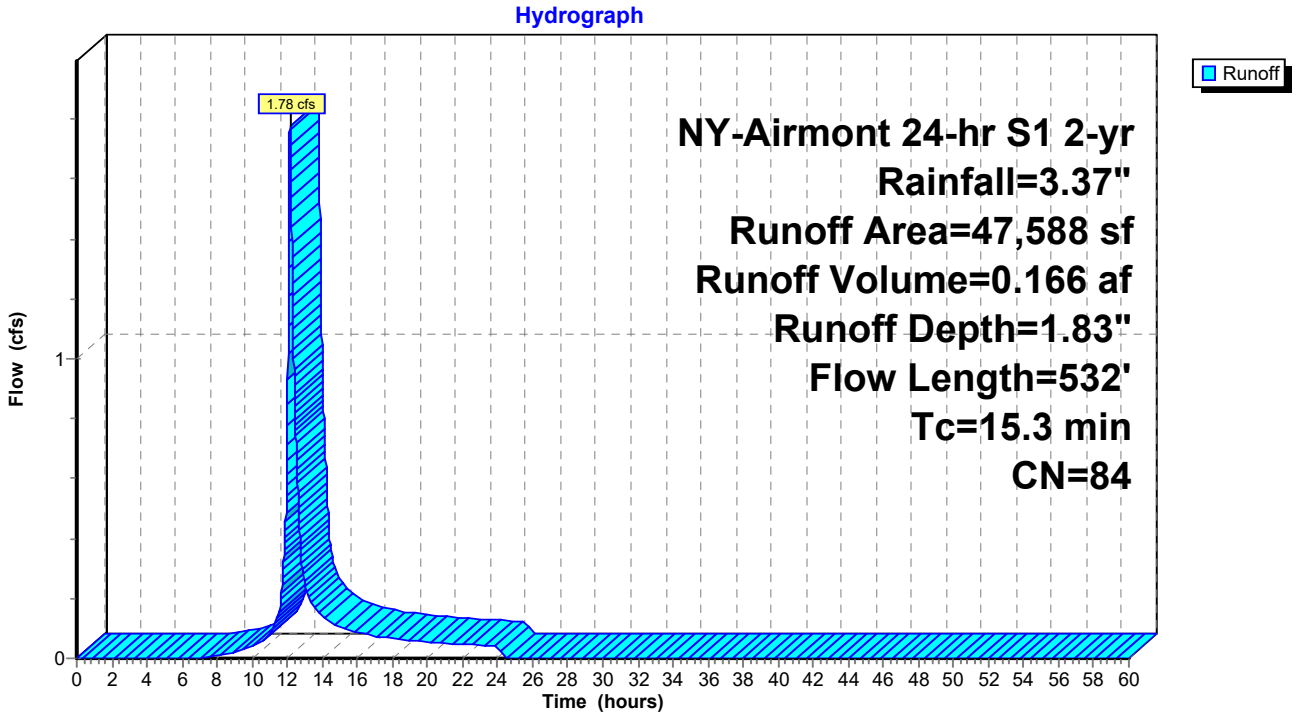
Runoff = 1.78 cfs @ 12.16 hrs, Volume= 0.166 af, Depth= 1.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
28,095	74	>75% Grass cover, Good, HSG C
19,493	98	Unconnected pavement, HSG C
47,588	84	Weighted Average
28,095		59.04% Pervious Area
19,493		40.96% Impervious Area
19,493		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0	59	0.0600	0.24		**Sheet Flow, SF1** Grass: Short n= 0.150 P2= 3.37"
2.7	41	0.0800	0.25		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
1.8	132	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
4.6	136	0.0050	0.49		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.2	20	0.1000	2.21		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
2.0	144	0.0300	1.21		**Shallow Concentrated Flow, SCF4** Short Grass Pasture Kv= 7.0 fps
15.3	532	Total			

Subcatchment 21S: 21S



Summary for Subcatchment 22S: 22S

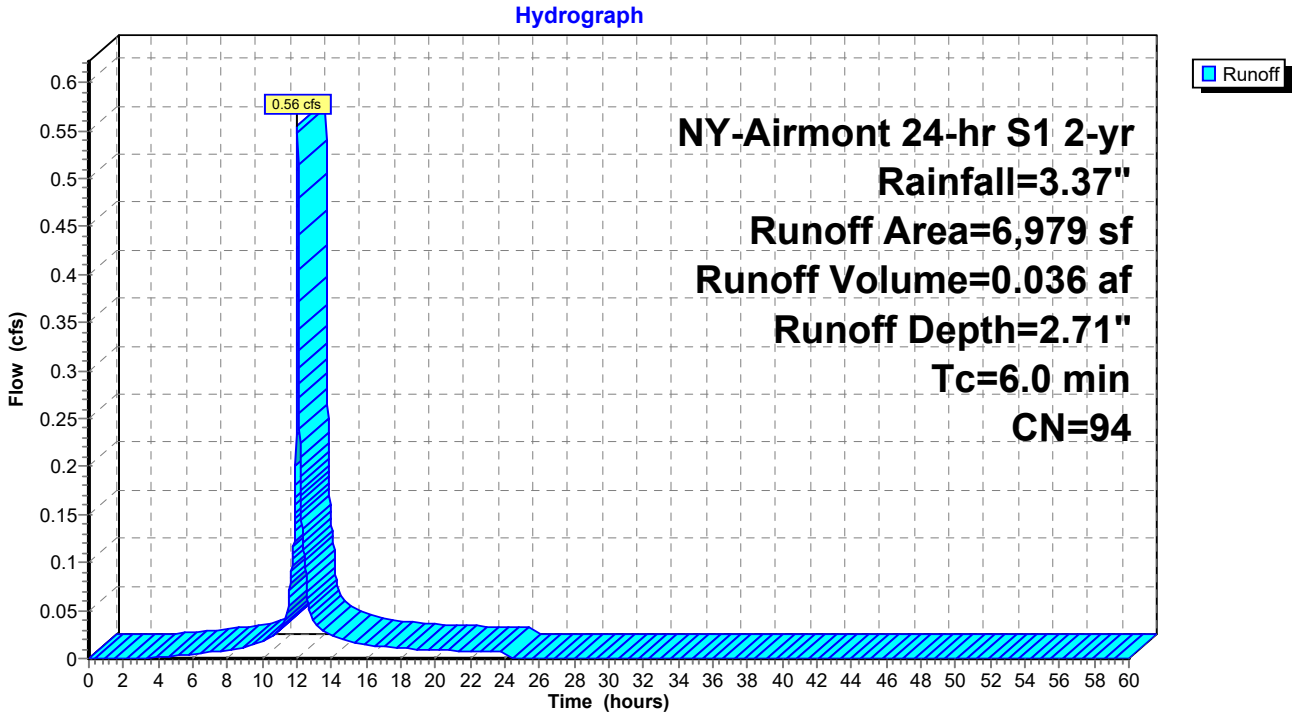
Runoff = 0.56 cfs @ 12.04 hrs, Volume= 0.036 af, Depth= 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,087	74	>75% Grass cover, Good, HSG C
5,892	98	Paved parking, HSG C
6,979	94	Weighted Average
1,087		15.58% Pervious Area
5,892		84.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 22S: 22S



Summary for Subcatchment 23S: 23S

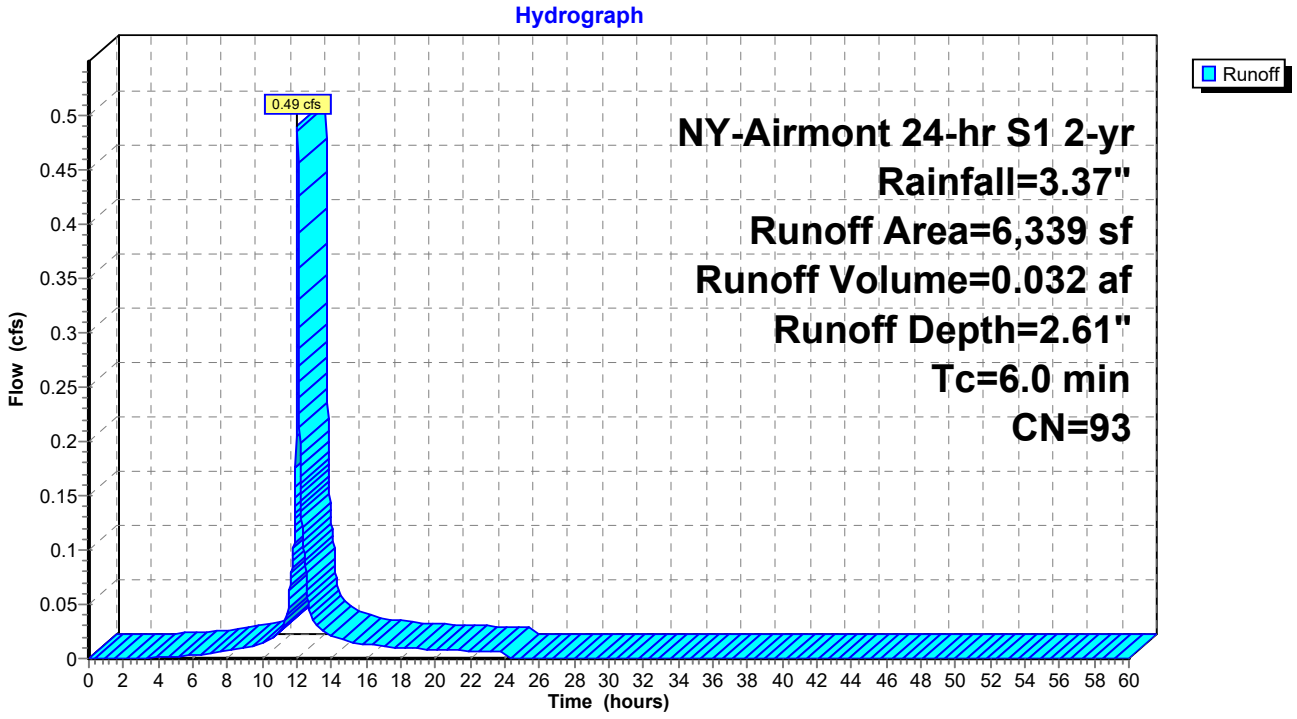
Runoff = 0.49 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,368	74	>75% Grass cover, Good, HSG C
4,971	98	Paved parking, HSG C
6,339	93	Weighted Average
1,368		21.58% Pervious Area
4,971		78.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 23S: 23S



Summary for Subcatchment 24S: 24S

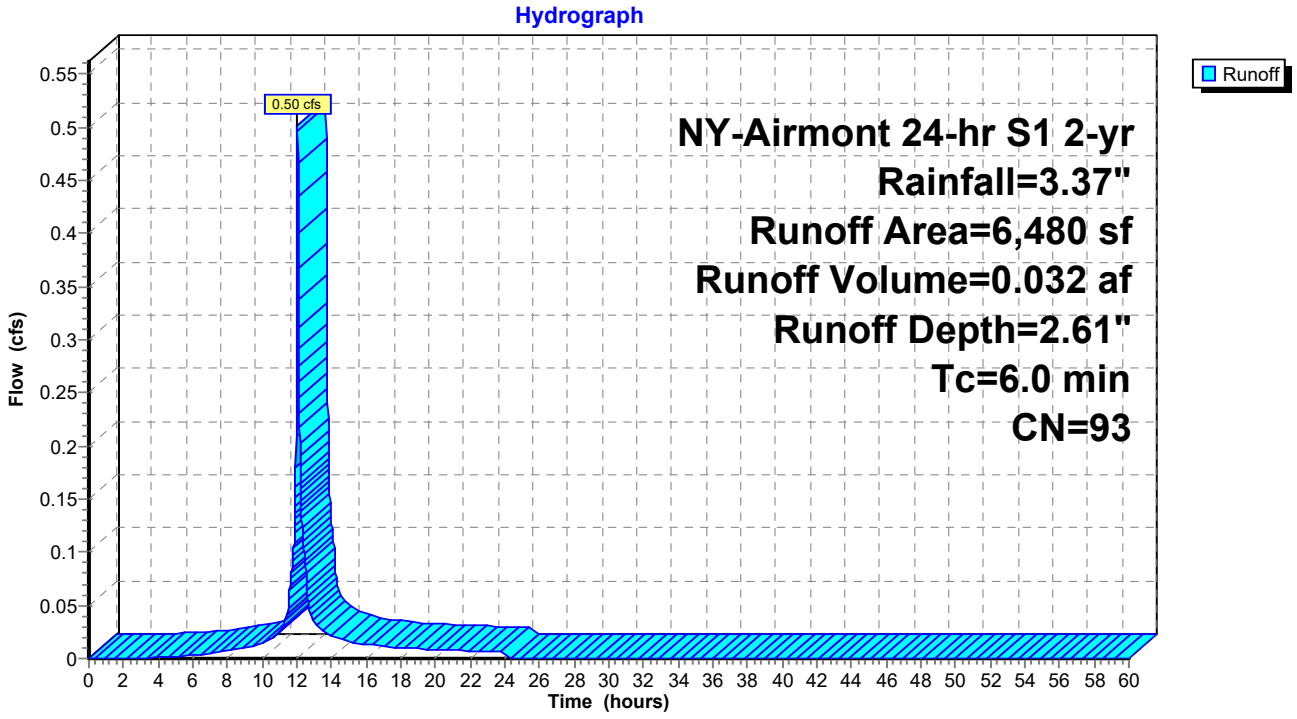
Runoff = 0.50 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,407	74	>75% Grass cover, Good, HSG C
5,073	98	Paved parking, HSG C
6,480	93	Weighted Average
1,407		21.71% Pervious Area
5,073		78.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 24S: 24S



Summary for Subcatchment 25S: 25S

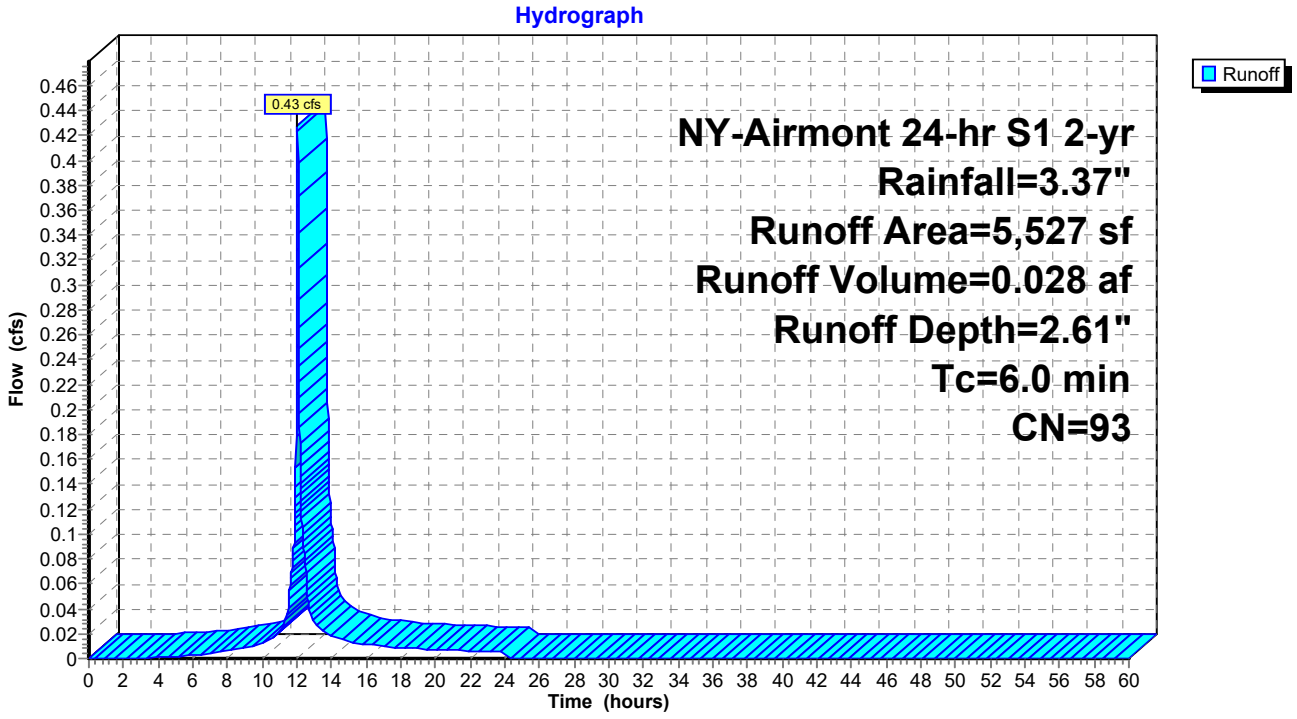
Runoff = 0.43 cfs @ 12.04 hrs, Volume= 0.028 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,206	74	>75% Grass cover, Good, HSG C
4,321	98	Paved parking, HSG C
5,527	93	Weighted Average
1,206		21.82% Pervious Area
4,321		78.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 25S: 25S



Summary for Subcatchment 26S: 26S

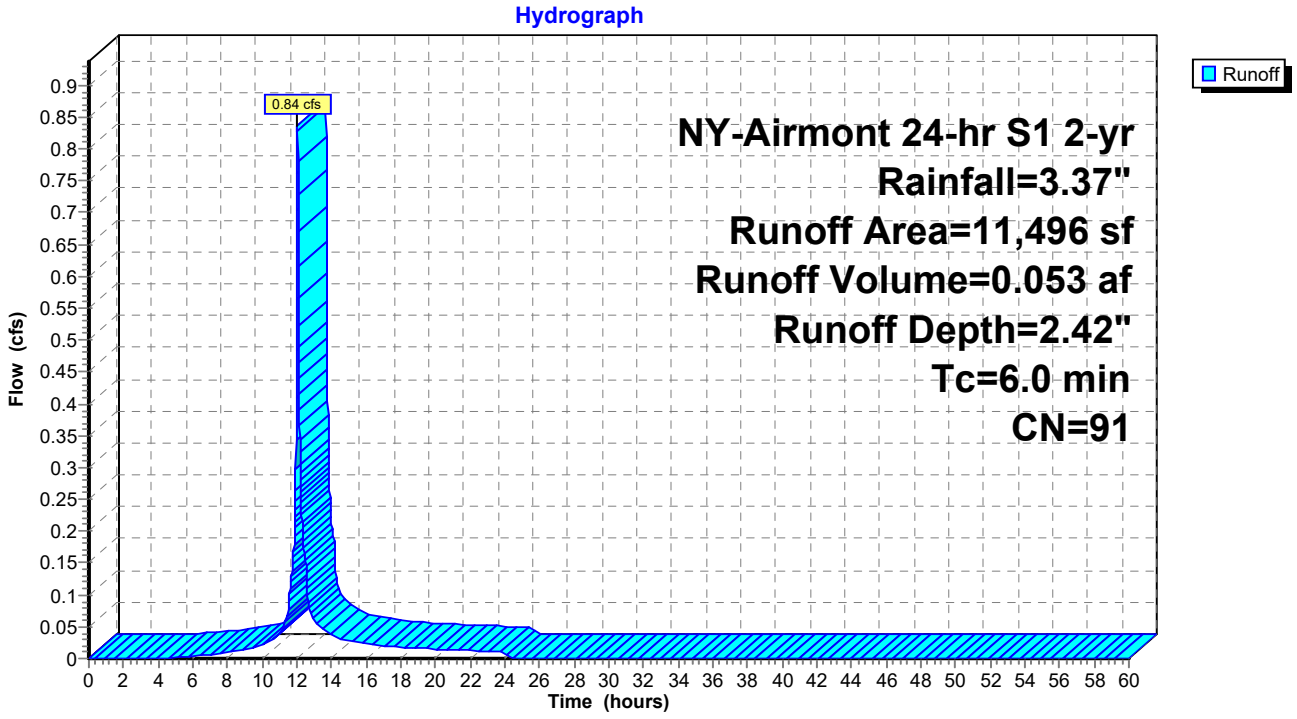
Runoff = 0.84 cfs @ 12.04 hrs, Volume= 0.053 af, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
3,319	74	>75% Grass cover, Good, HSG C
8,177	98	Paved parking, HSG C
11,496	91	Weighted Average
3,319		28.87% Pervious Area
8,177		71.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 26S: 26S



Summary for Subcatchment 27S: 27S

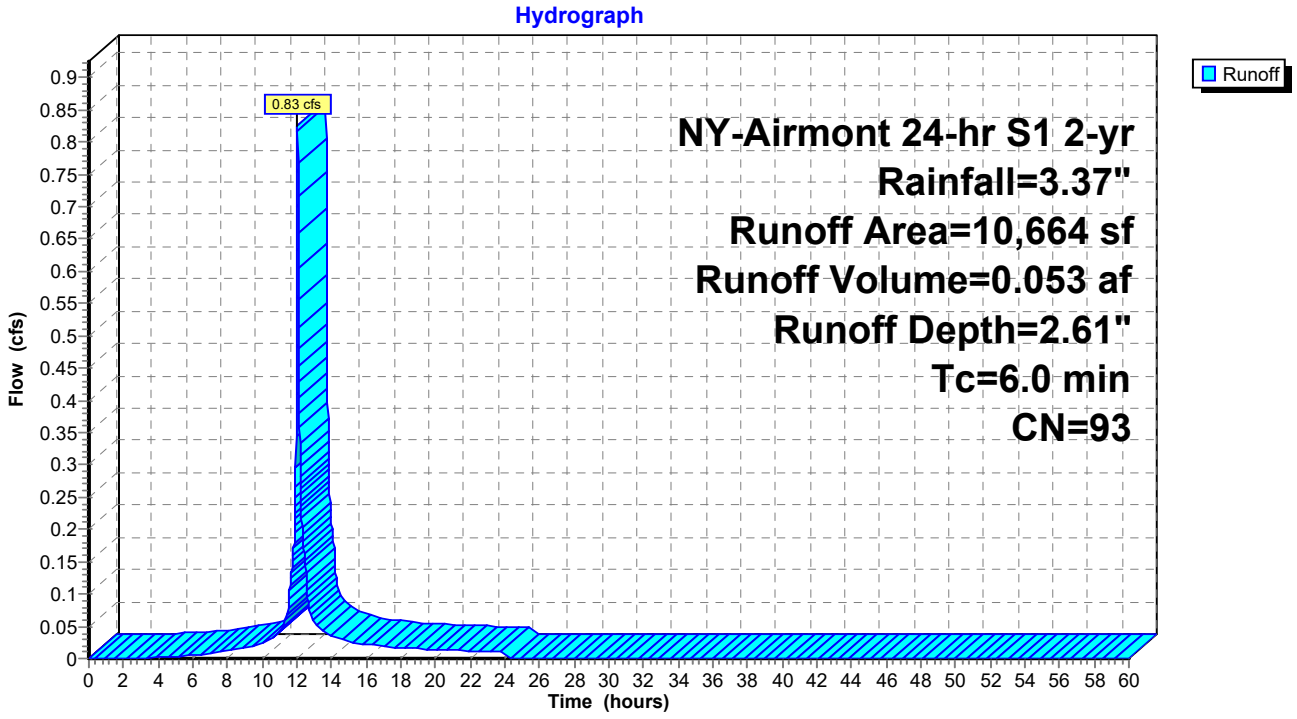
Runoff = 0.83 cfs @ 12.04 hrs, Volume= 0.053 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
2,160	74	>75% Grass cover, Good, HSG C
8,504	98	Paved parking, HSG C
10,664	93	Weighted Average
2,160		20.26% Pervious Area
8,504		79.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 27S: 27S



Summary for Subcatchment 28S: 28S

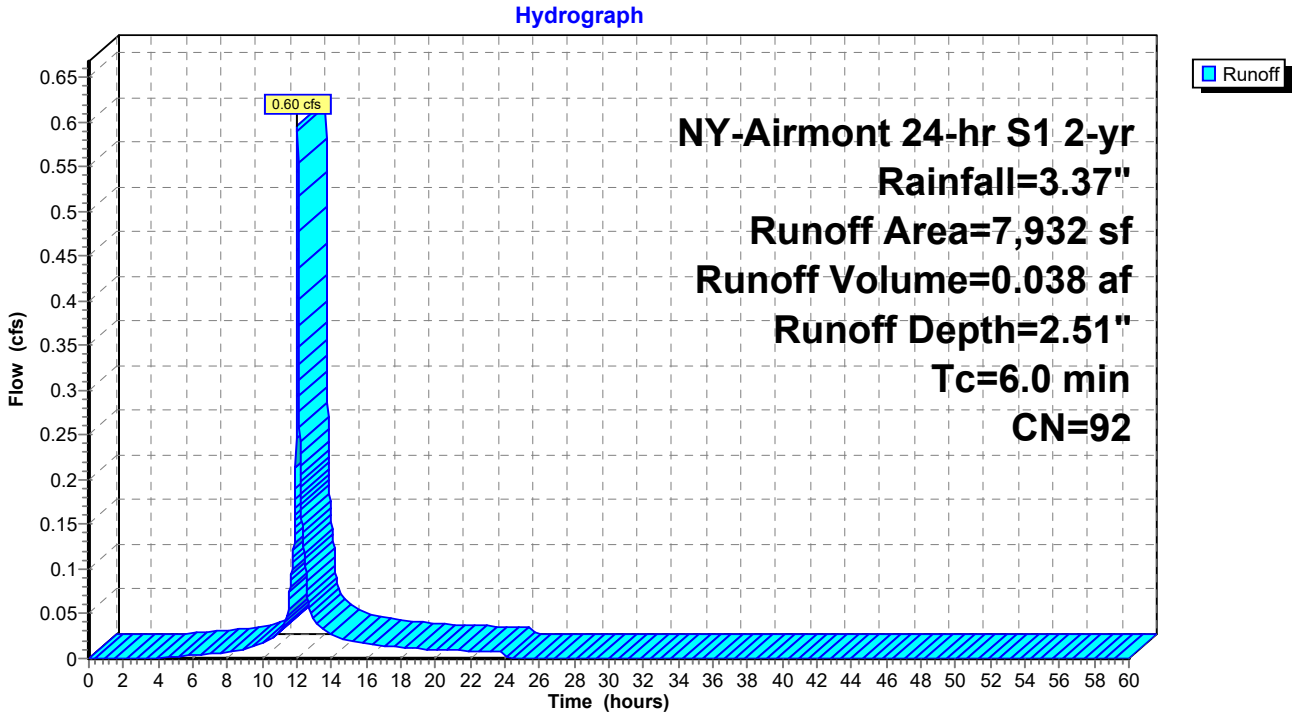
Runoff = 0.60 cfs @ 12.04 hrs, Volume= 0.038 af, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,916	74	>75% Grass cover, Good, HSG C
6,016	98	Paved parking, HSG C
7,932	92	Weighted Average
1,916		24.16% Pervious Area
6,016		75.84% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 28S: 28S



Summary for Subcatchment 29S: 29S

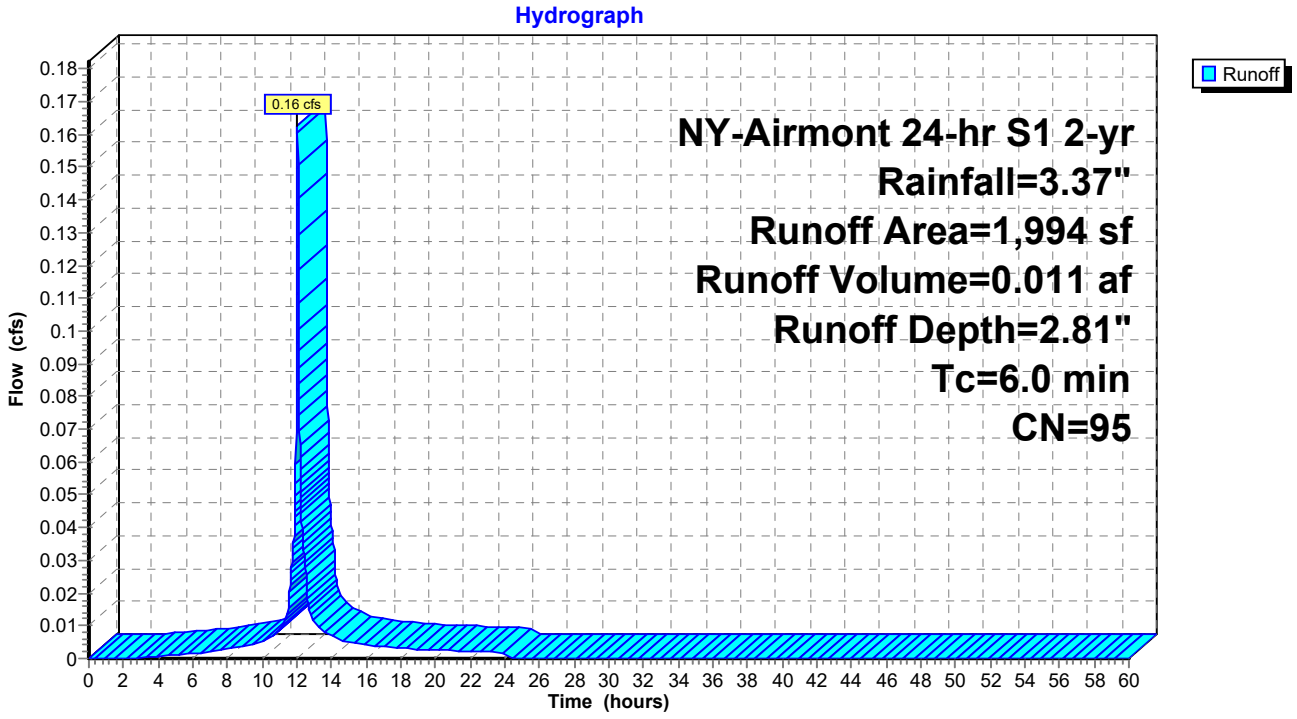
Runoff = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af, Depth= 2.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
279	74	>75% Grass cover, Good, HSG C
1,715	98	Paved parking, HSG C
1,994	95	Weighted Average
279		13.99% Pervious Area
1,715		86.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 29S: 29S



Summary for Subcatchment 30S: 30S

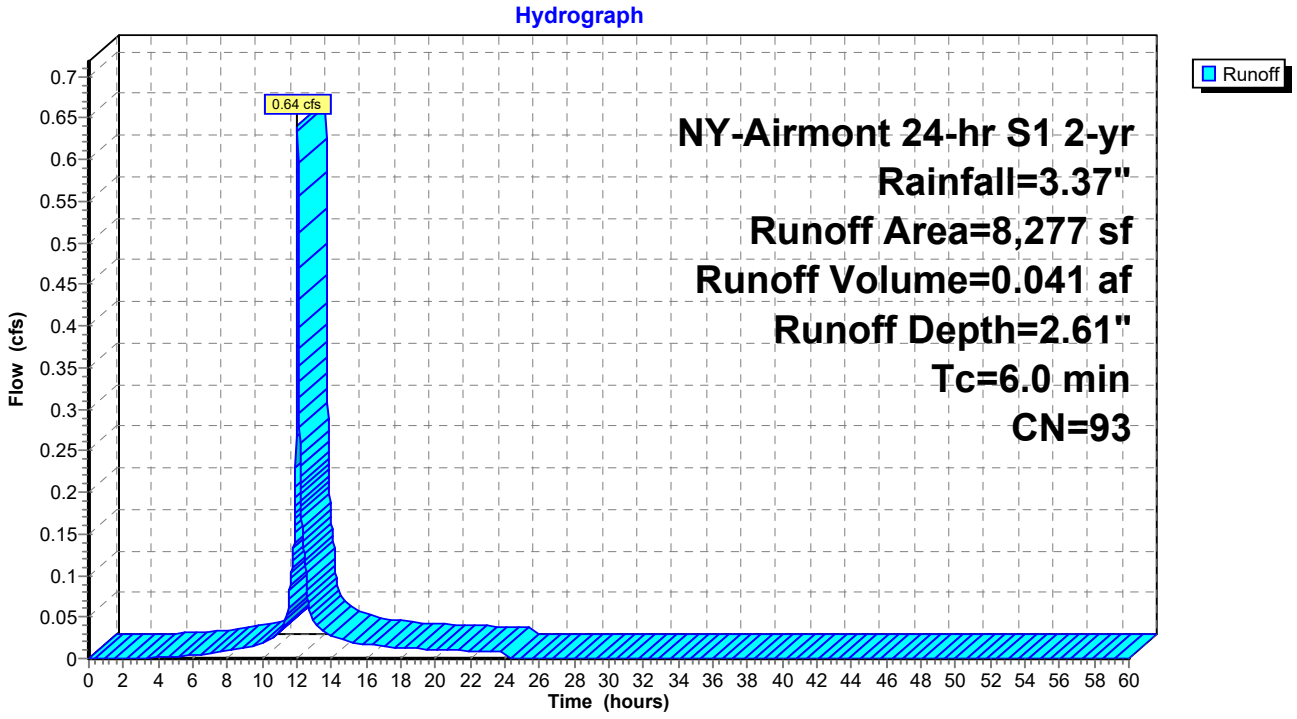
Runoff = 0.64 cfs @ 12.04 hrs, Volume= 0.041 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,627	74	>75% Grass cover, Good, HSG C
6,650	98	Paved parking, HSG C
8,277	93	Weighted Average
1,627		19.66% Pervious Area
6,650		80.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 30S: 30S



Summary for Subcatchment 31S: 31S

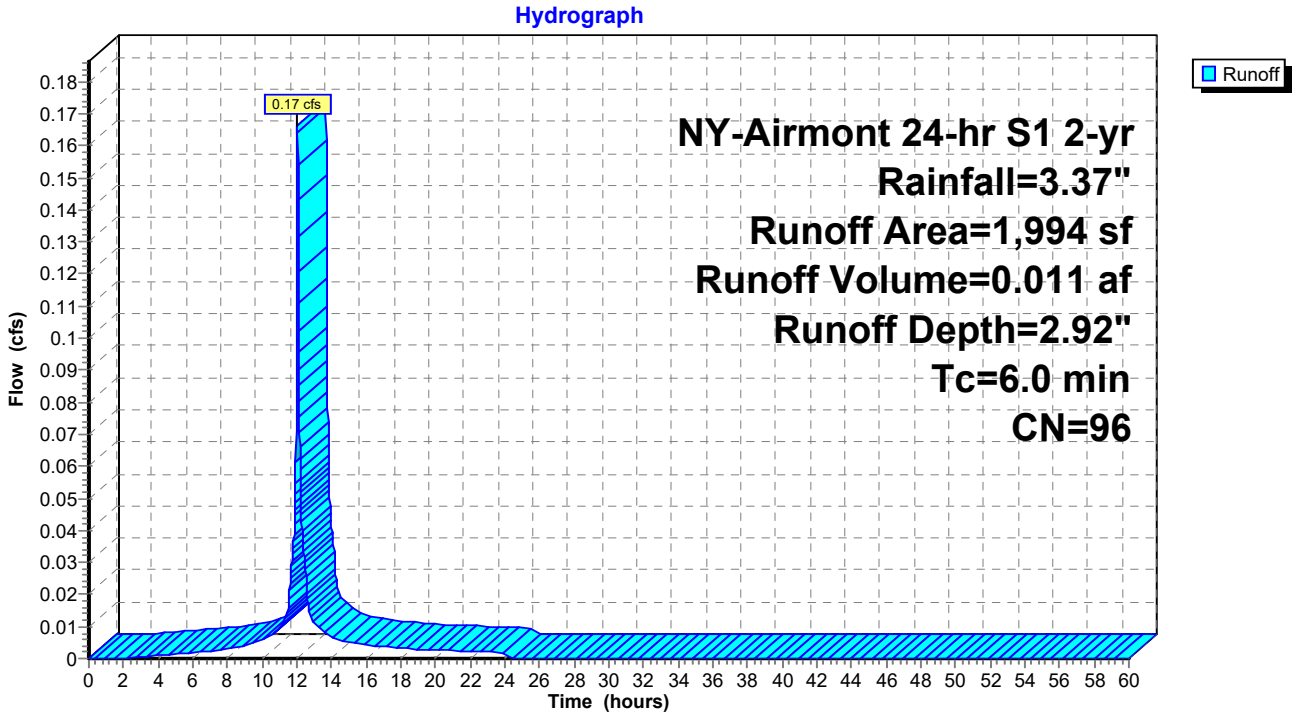
Runoff = 0.17 cfs @ 12.04 hrs, Volume= 0.011 af, Depth= 2.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
207	74	>75% Grass cover, Good, HSG C
1,787	98	Paved parking, HSG C
1,994	96	Weighted Average
207		10.38% Pervious Area
1,787		89.62% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 31S: 31S



Summary for Subcatchment 32S: 32S

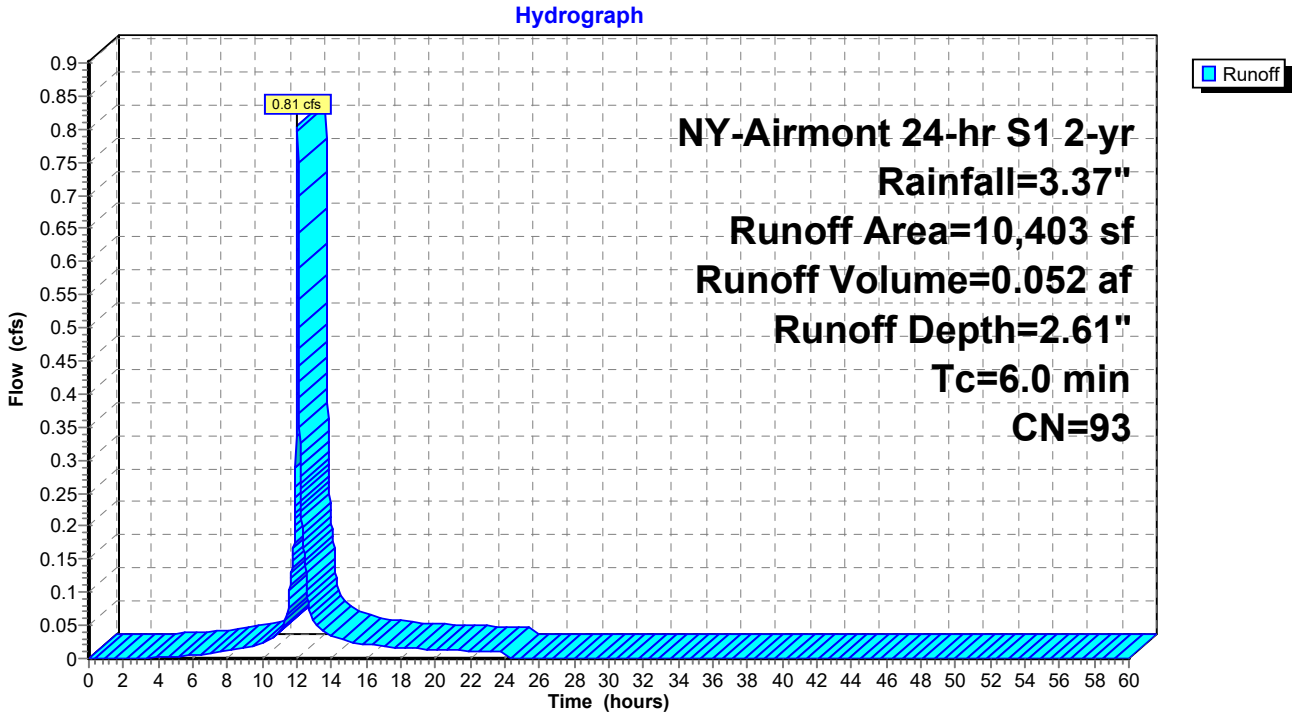
Runoff = 0.81 cfs @ 12.04 hrs, Volume= 0.052 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
2,229	74	>75% Grass cover, Good, HSG C
8,174	98	Paved parking, HSG C
10,403	93	Weighted Average
2,229		21.43% Pervious Area
8,174		78.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 32S: 32S



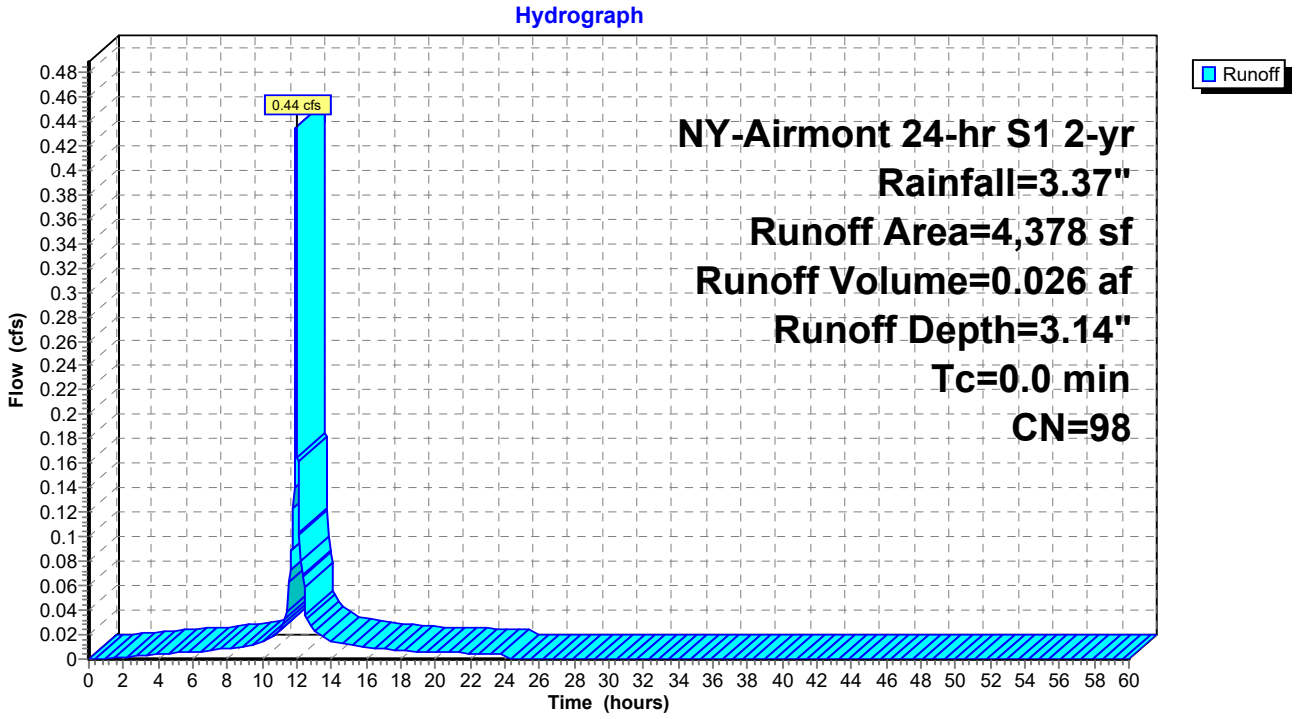
Summary for Subcatchment 35S: DA-33

Runoff = 0.44 cfs @ 11.99 hrs, Volume= 0.026 af, Depth= 3.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
4,378	98	Paved parking, HSG C
4,378		100.00% Impervious Area

Subcatchment 35S: DA-33



Summary for Subcatchment 36S: 36S

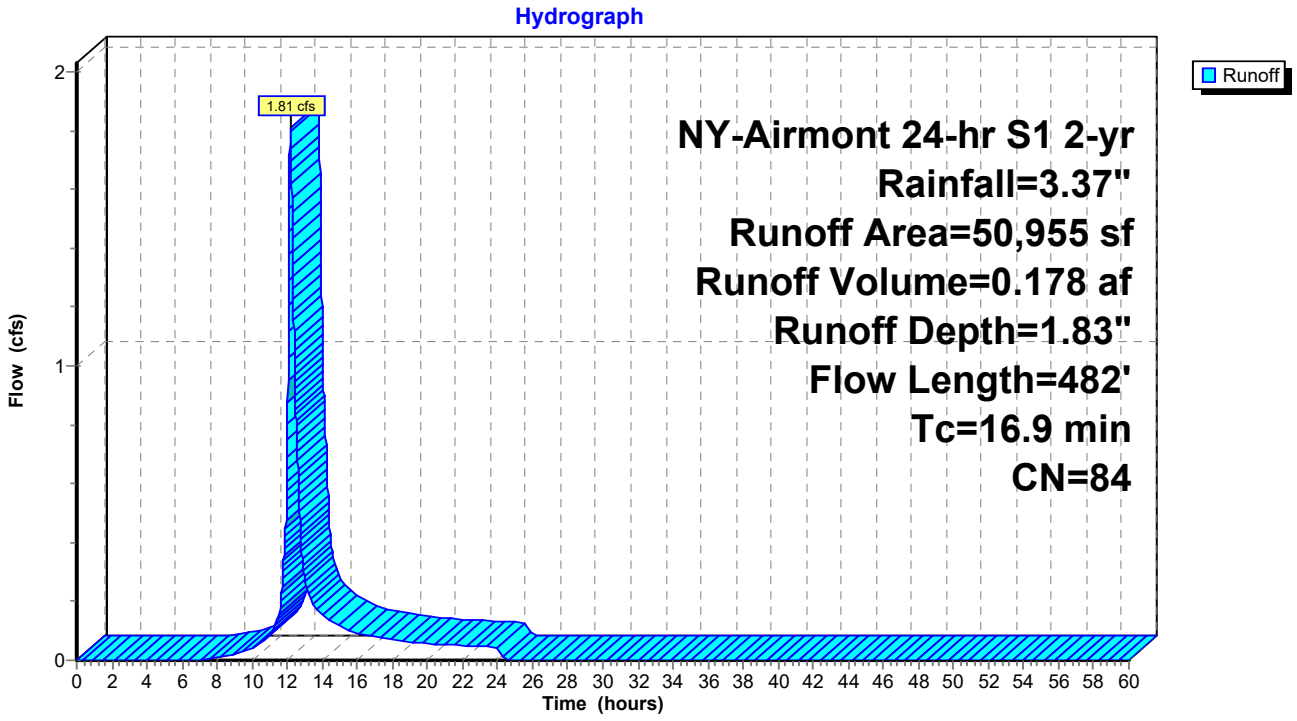
Runoff = 1.81 cfs @ 12.19 hrs, Volume= 0.178 af, Depth= 1.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
30,182	74	>75% Grass cover, Good, HSG C
20,773	98	Unconnected pavement, HSG C
50,955	84	Weighted Average
30,182		59.23% Pervious Area
20,773		40.77% Impervious Area
20,773		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	100	0.0200	0.17		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
7.4	382	0.0150	0.86		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
16.9	482	Total			

Subcatchment 36S: 36S



Summary for Subcatchment 37S: 37S

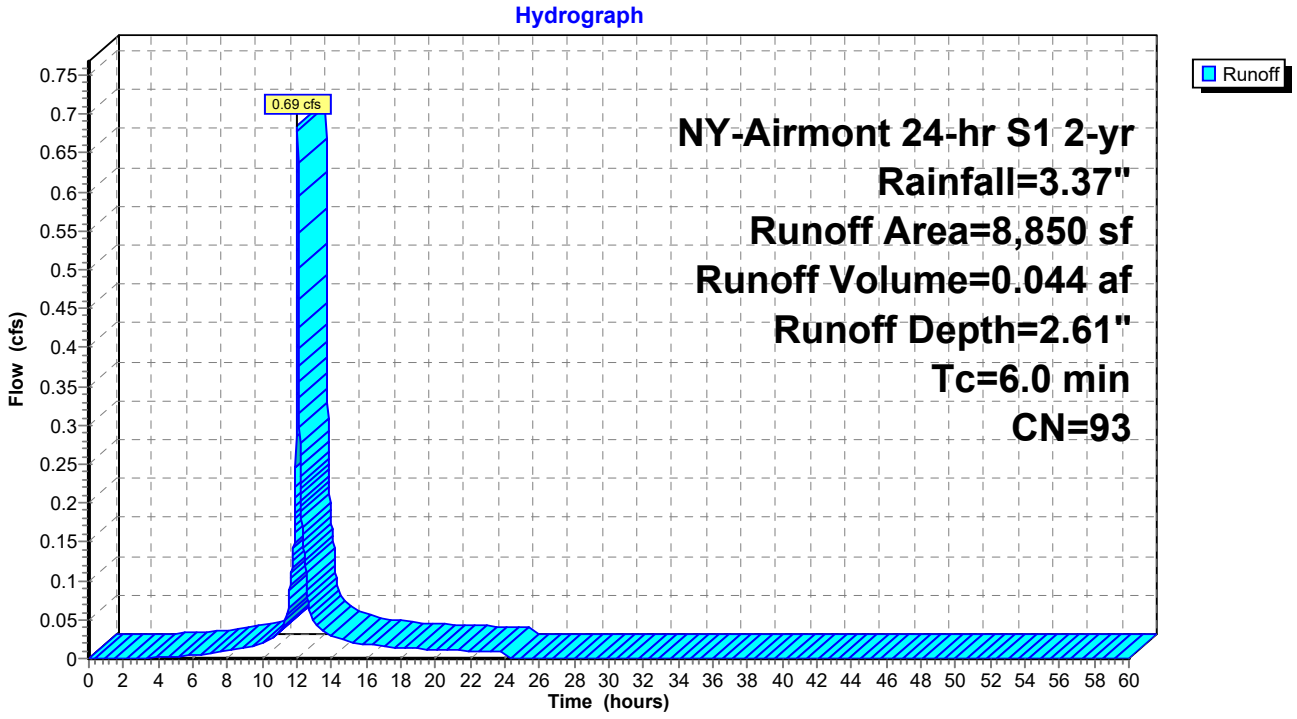
Runoff = 0.69 cfs @ 12.04 hrs, Volume= 0.044 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,782	74	>75% Grass cover, Good, HSG C
7,068	98	Paved parking, HSG C
8,850	93	Weighted Average
1,782		20.14% Pervious Area
7,068		79.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 37S: 37S



Summary for Subcatchment 38S: 38S

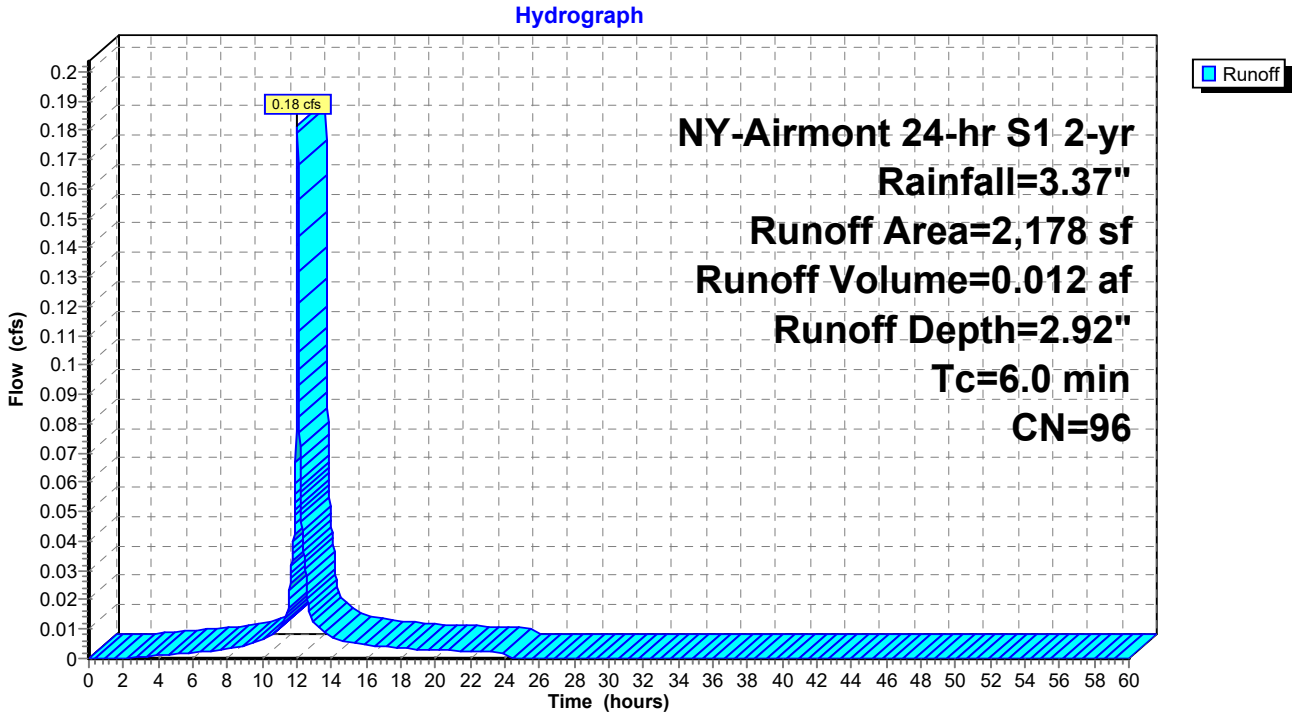
Runoff = 0.18 cfs @ 12.04 hrs, Volume= 0.012 af, Depth= 2.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
218	74	>75% Grass cover, Good, HSG C
1,960	98	Paved parking, HSG C
2,178	96	Weighted Average
218		10.01% Pervious Area
1,960		89.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 38S: 38S



Summary for Subcatchment 39S: 39S

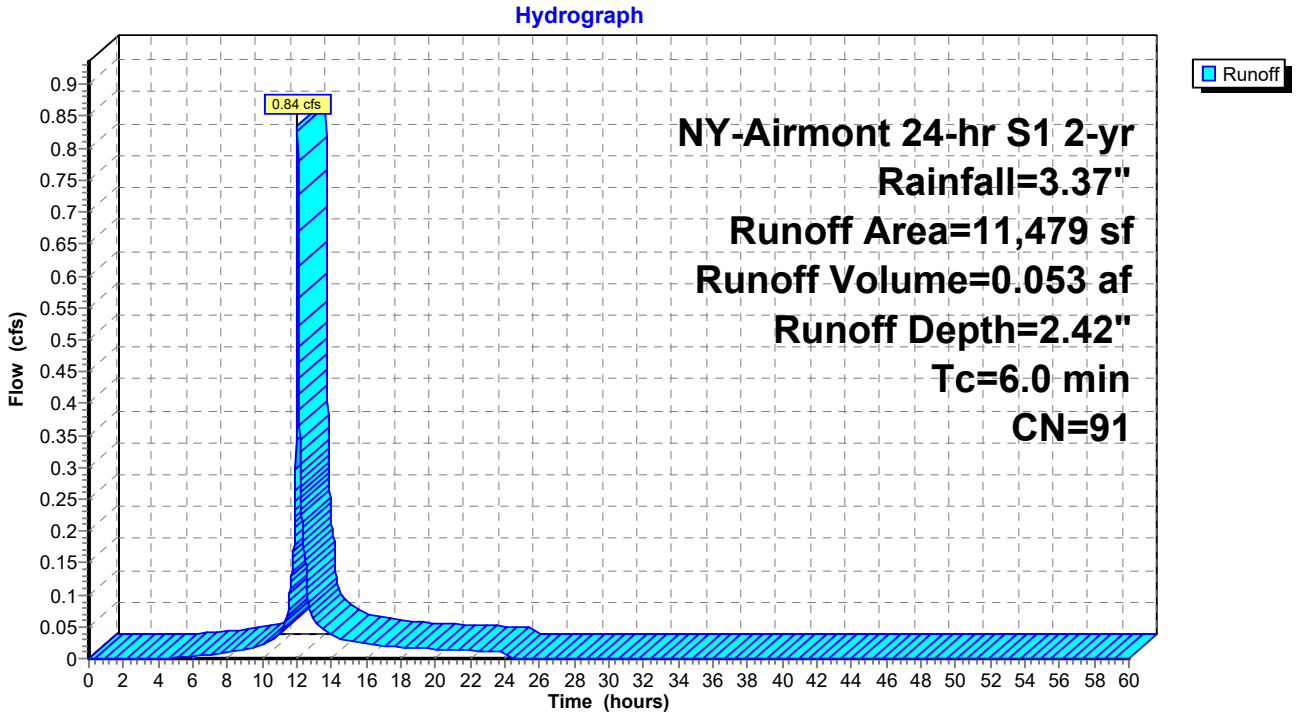
Runoff = 0.84 cfs @ 12.04 hrs, Volume= 0.053 af, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
3,296	74	>75% Grass cover, Good, HSG C
8,183	98	Paved parking, HSG C
11,479	91	Weighted Average
3,296		28.71% Pervious Area
8,183		71.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 39S: 39S



Summary for Subcatchment 40S: 40S

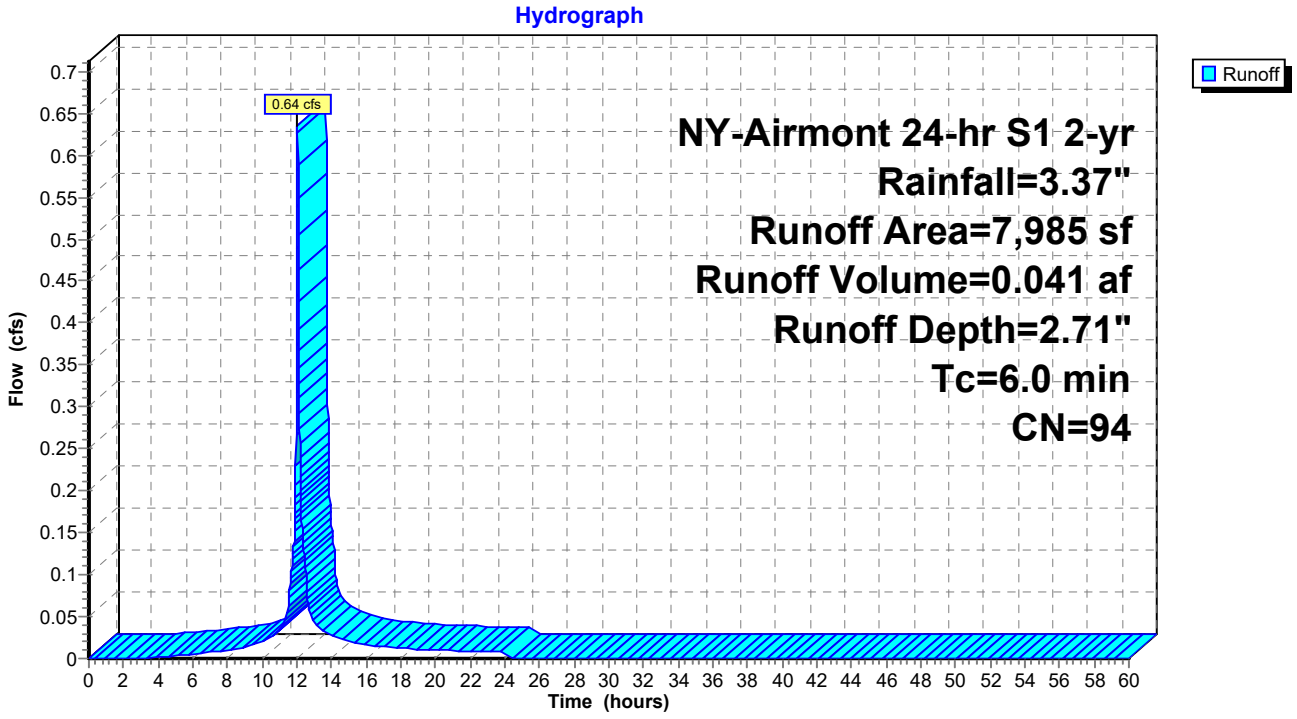
Runoff = 0.64 cfs @ 12.04 hrs, Volume= 0.041 af, Depth= 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,808	98	Paved parking, HSG C
7,985	94	Weighted Average
1,177		14.74% Pervious Area
6,808		85.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 40S: 40S



Summary for Subcatchment 41S: 41S

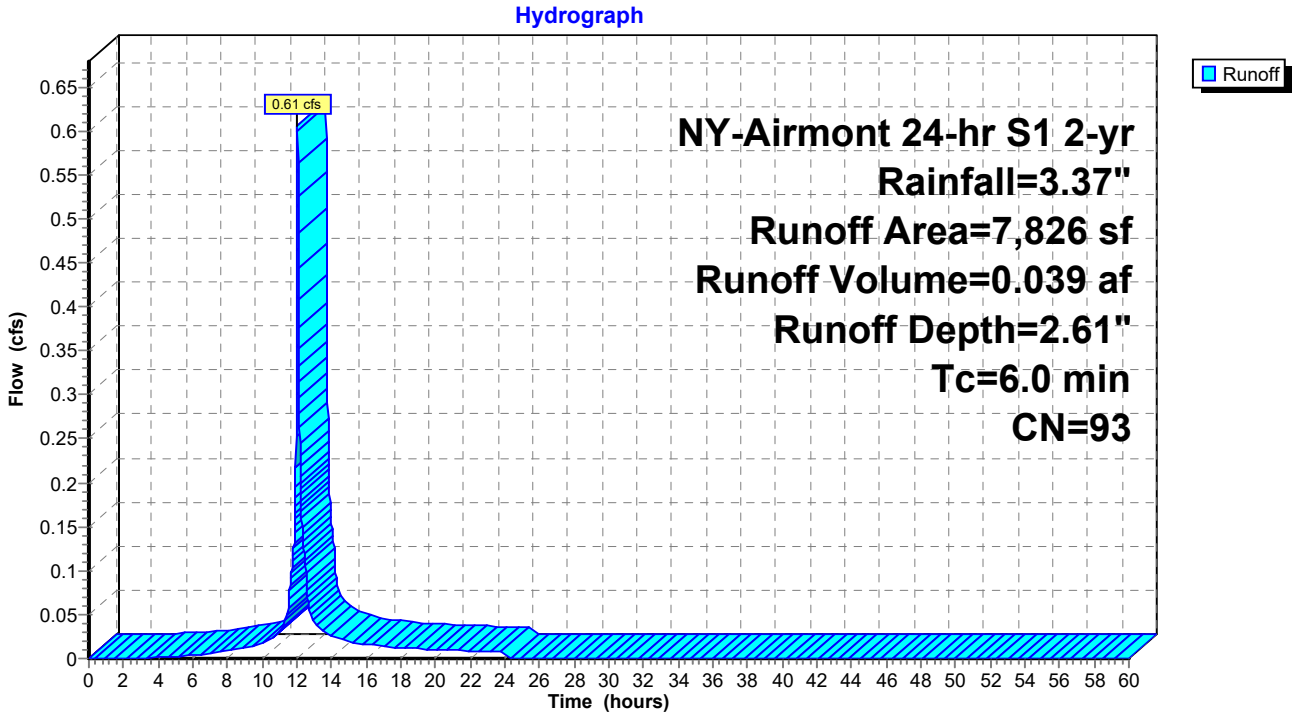
Runoff = 0.61 cfs @ 12.04 hrs, Volume= 0.039 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,777	74	>75% Grass cover, Good, HSG C
6,049	98	Paved parking, HSG C
7,826	93	Weighted Average
1,777		22.71% Pervious Area
6,049		77.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 41S: 41S



Summary for Subcatchment 42S: 42S

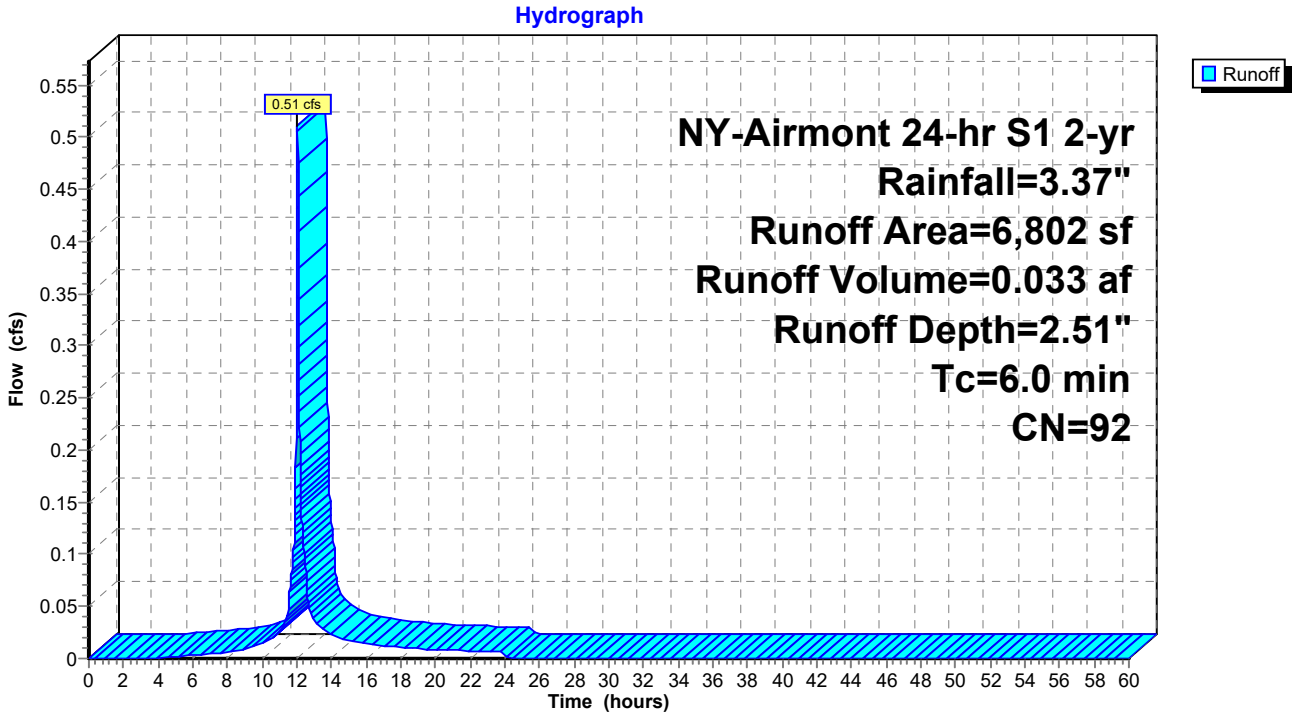
Runoff = 0.51 cfs @ 12.04 hrs, Volume= 0.033 af, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,609	74	>75% Grass cover, Good, HSG C
5,193	98	Paved parking, HSG C
6,802	92	Weighted Average
1,609		23.65% Pervious Area
5,193		76.35% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 42S: 42S



Summary for Subcatchment 43S: 43S

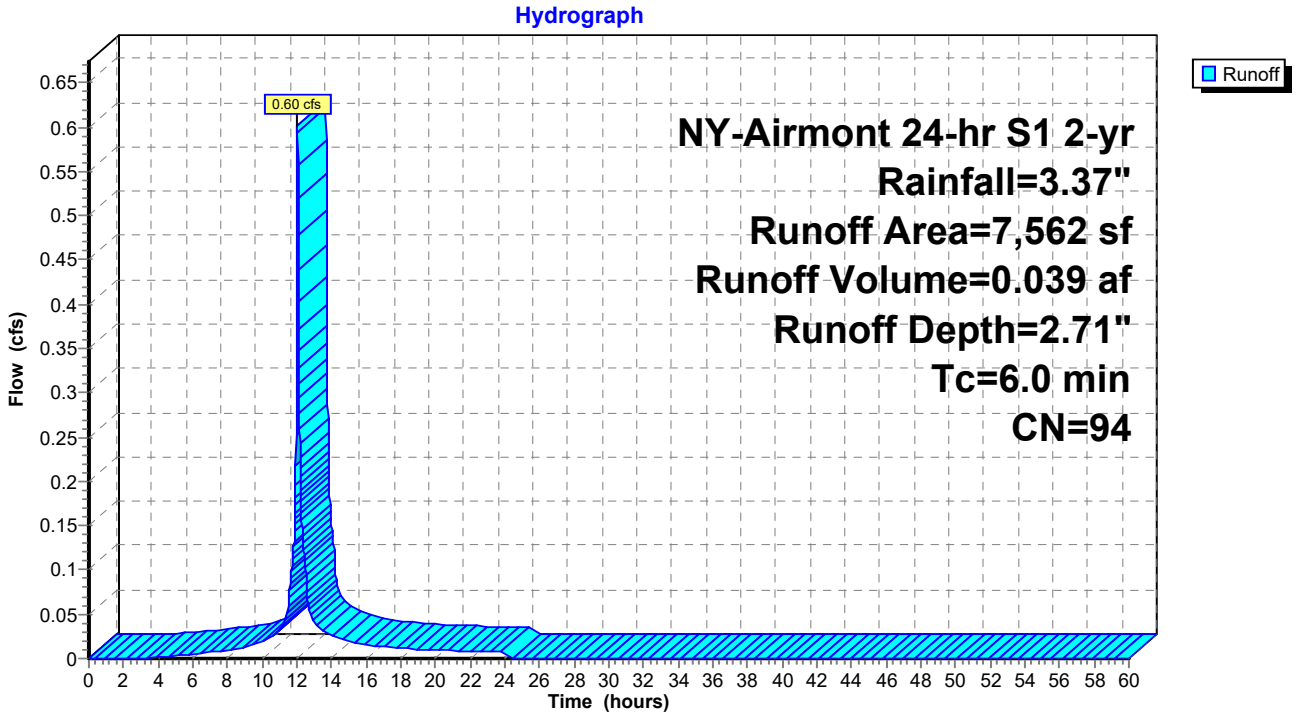
Runoff = 0.60 cfs @ 12.04 hrs, Volume= 0.039 af, Depth= 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,385	98	Paved parking, HSG C
7,562	94	Weighted Average
1,177		15.56% Pervious Area
6,385		84.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 43S: 43S



Summary for Subcatchment 44S: 44S

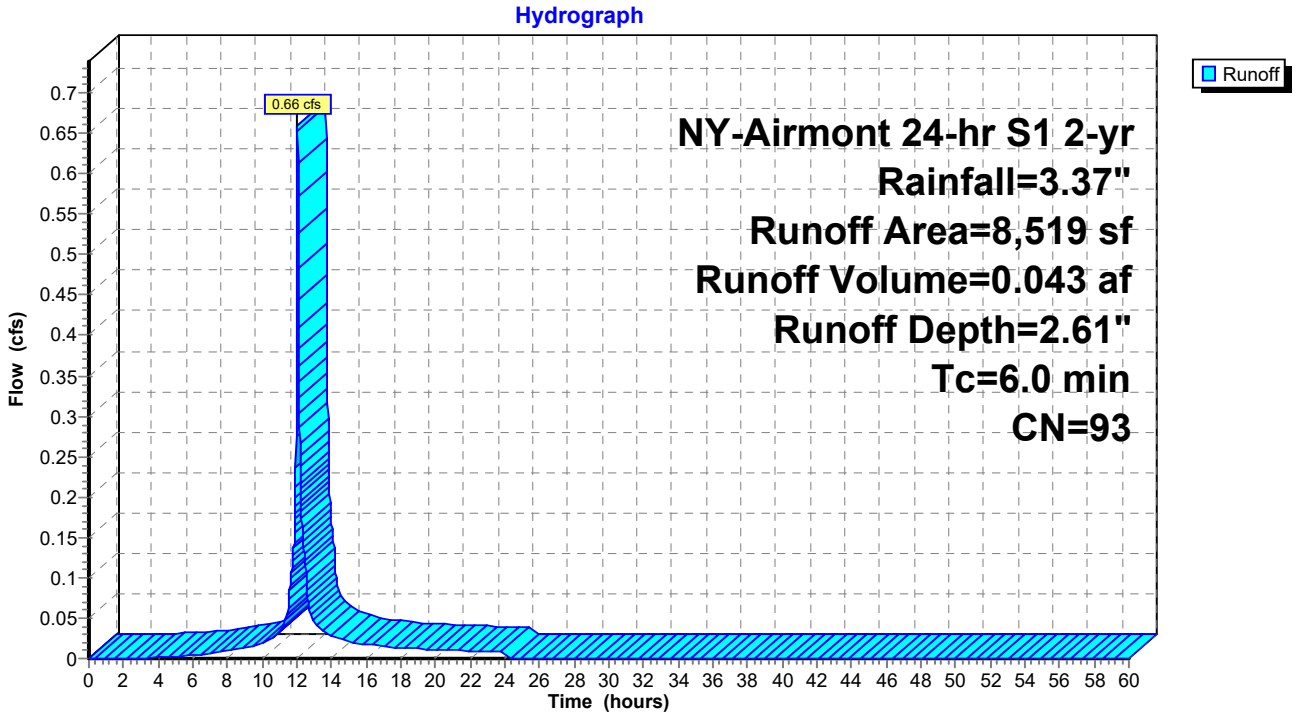
Runoff = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,832	74	>75% Grass cover, Good, HSG C
6,687	98	Paved parking, HSG C
8,519	93	Weighted Average
1,832		21.50% Pervious Area
6,687		78.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 44S: 44S



Summary for Subcatchment 45S: 45S

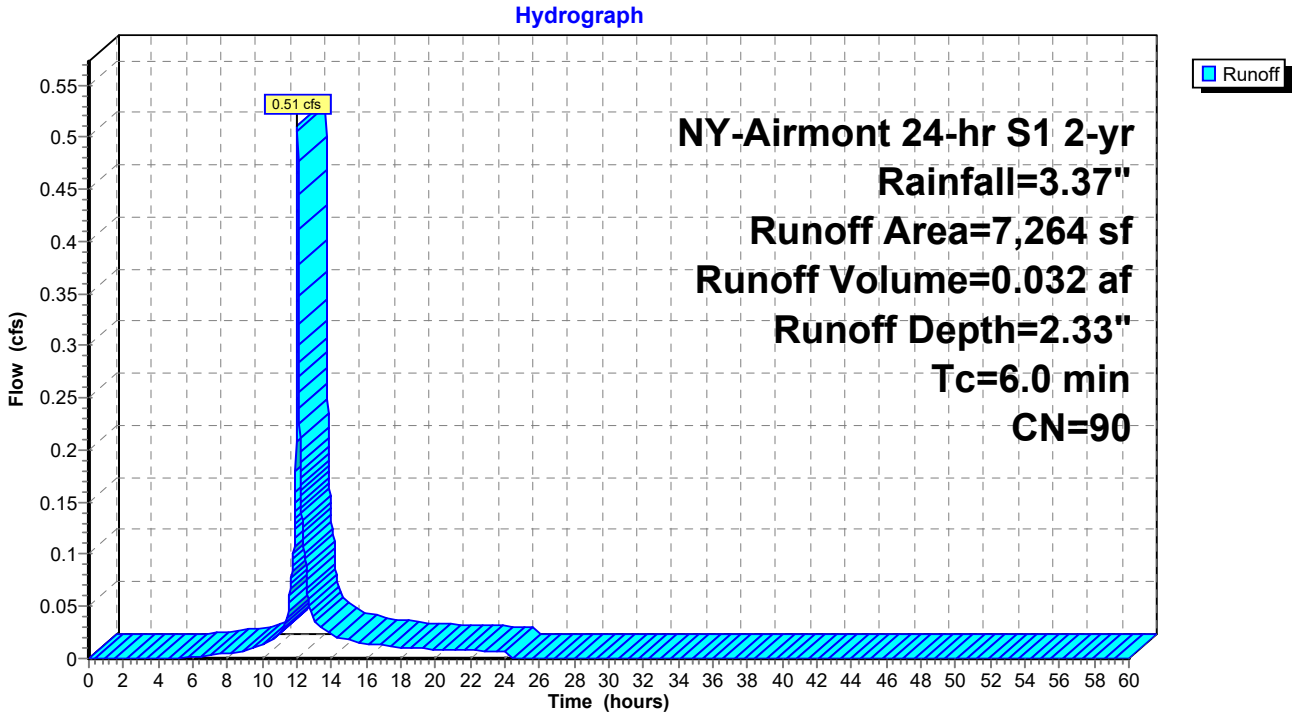
Runoff = 0.51 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
2,319	74	>75% Grass cover, Good, HSG C
4,945	98	Paved parking, HSG C
7,264	90	Weighted Average
2,319		31.92% Pervious Area
4,945		68.08% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 45S: 45S



Summary for Subcatchment 46S: 46S

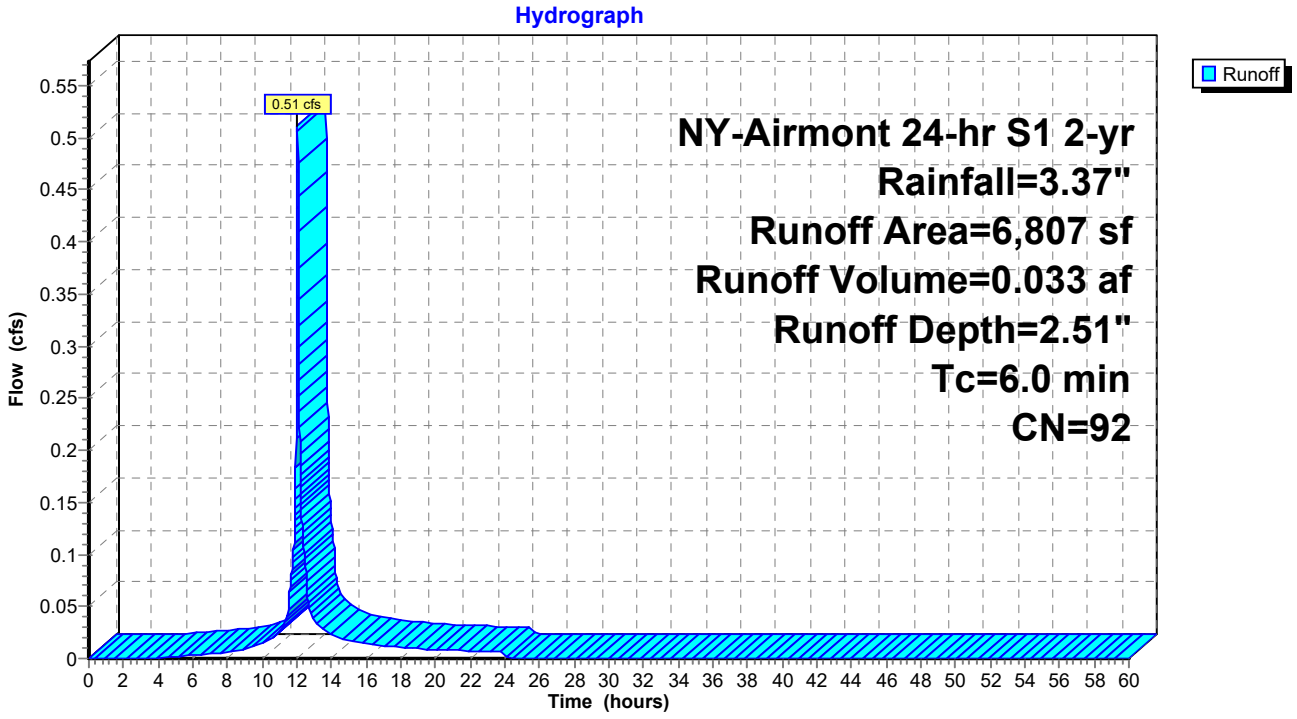
Runoff = 0.51 cfs @ 12.04 hrs, Volume= 0.033 af, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
1,580	74	>75% Grass cover, Good, HSG C
5,227	98	Paved parking, HSG C
6,807	92	Weighted Average
1,580		23.21% Pervious Area
5,227		76.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 46S: 46S



Summary for Subcatchment 47S: 47S

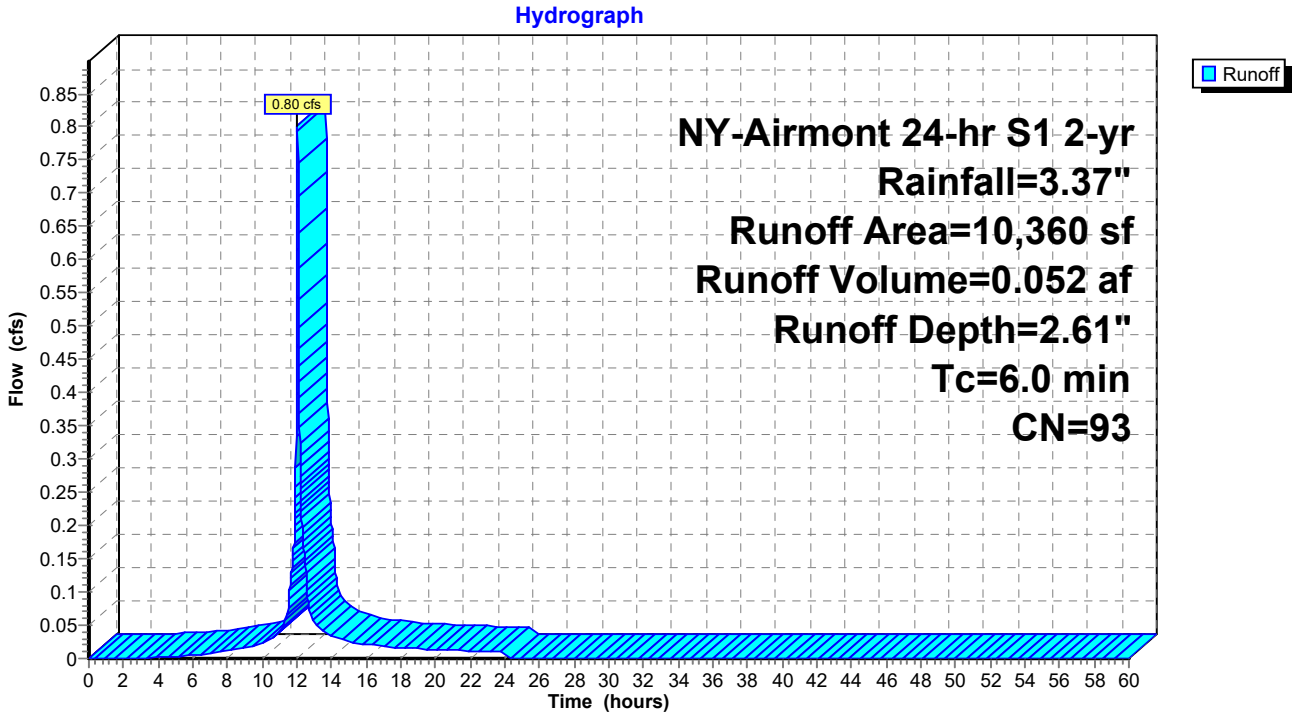
Runoff = 0.80 cfs @ 12.04 hrs, Volume= 0.052 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
8,250	98	Paved parking, HSG C
2,110	74	>75% Grass cover, Good, HSG C
10,360	93	Weighted Average
2,110		20.37% Pervious Area
8,250		79.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 47S: 47S



Summary for Subcatchment 48S: 48S

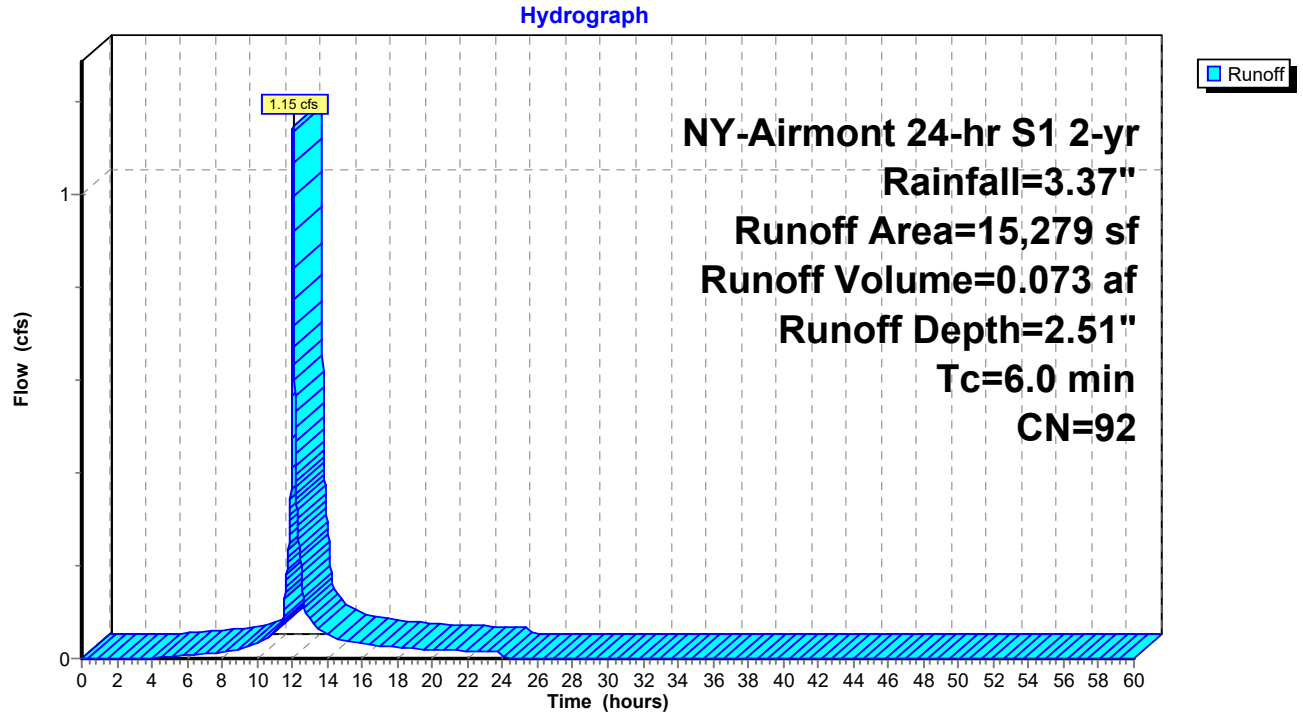
Runoff = 1.15 cfs @ 12.04 hrs, Volume= 0.073 af, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
11,660	98	Paved parking, HSG C
3,619	74	>75% Grass cover, Good, HSG C
15,279	92	Weighted Average
3,619		23.69% Pervious Area
11,660		76.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 48S: 48S



Summary for Subcatchment 51S: 51S

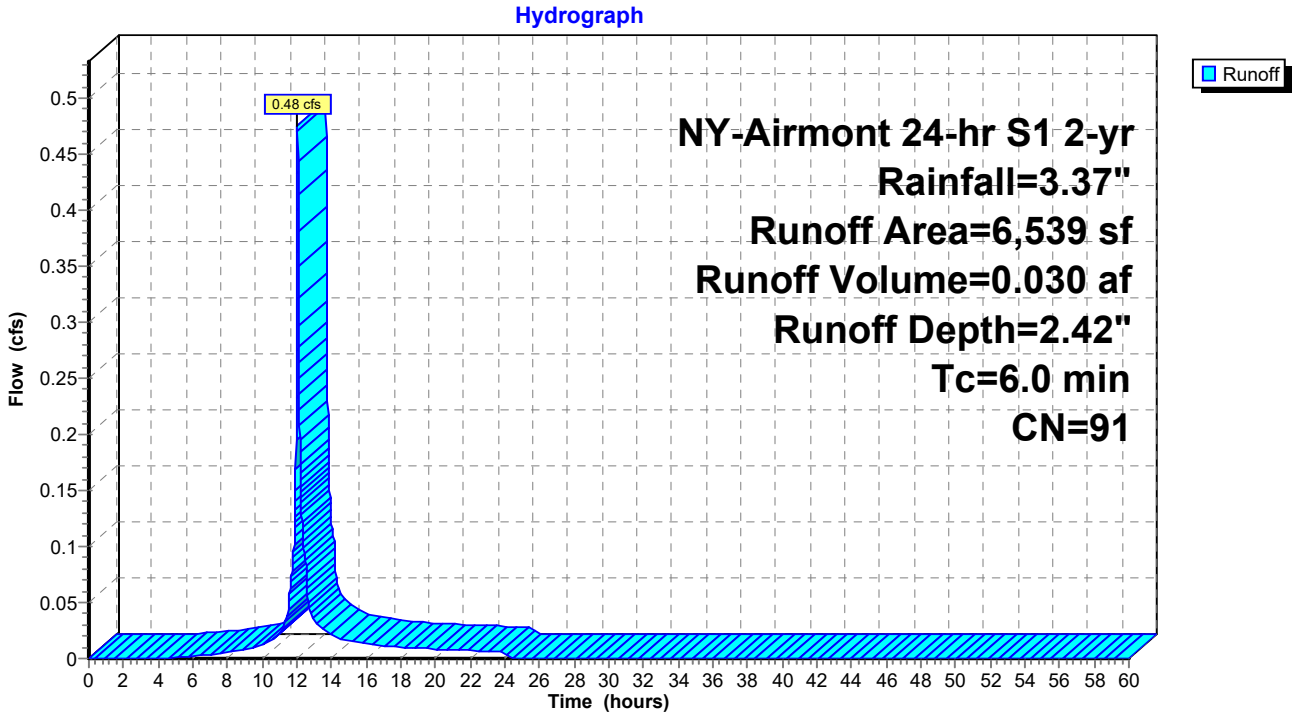
Runoff = 0.48 cfs @ 12.04 hrs, Volume= 0.030 af, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
4,620	98	Paved parking, HSG C
1,919	74	>75% Grass cover, Good, HSG C
6,539	91	Weighted Average
1,919		29.35% Pervious Area
4,620		70.65% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 51S: 51S



Summary for Subcatchment 52S: 52S

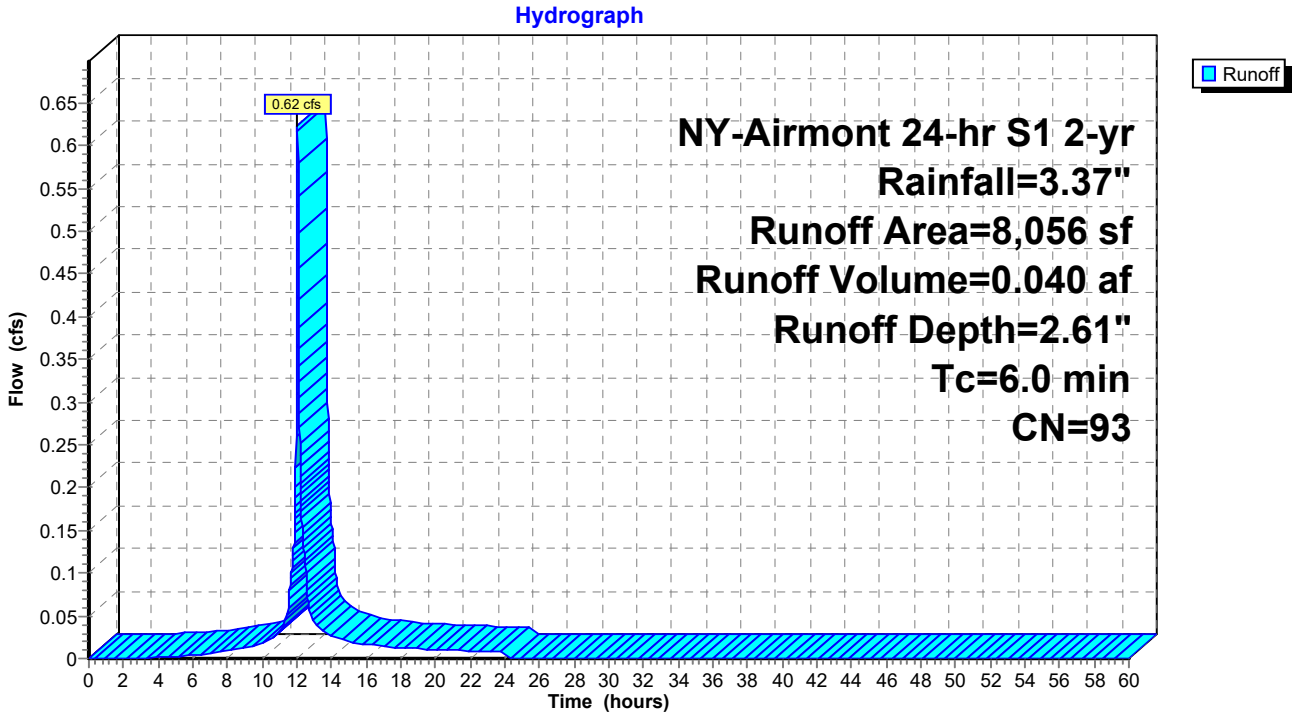
Runoff = 0.62 cfs @ 12.04 hrs, Volume= 0.040 af, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
6,501	98	Paved parking, HSG C
1,555	74	>75% Grass cover, Good, HSG C
8,056	93	Weighted Average
1,555		19.30% Pervious Area
6,501		80.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 52S: 52S



Summary for Subcatchment DA-3: DA-3

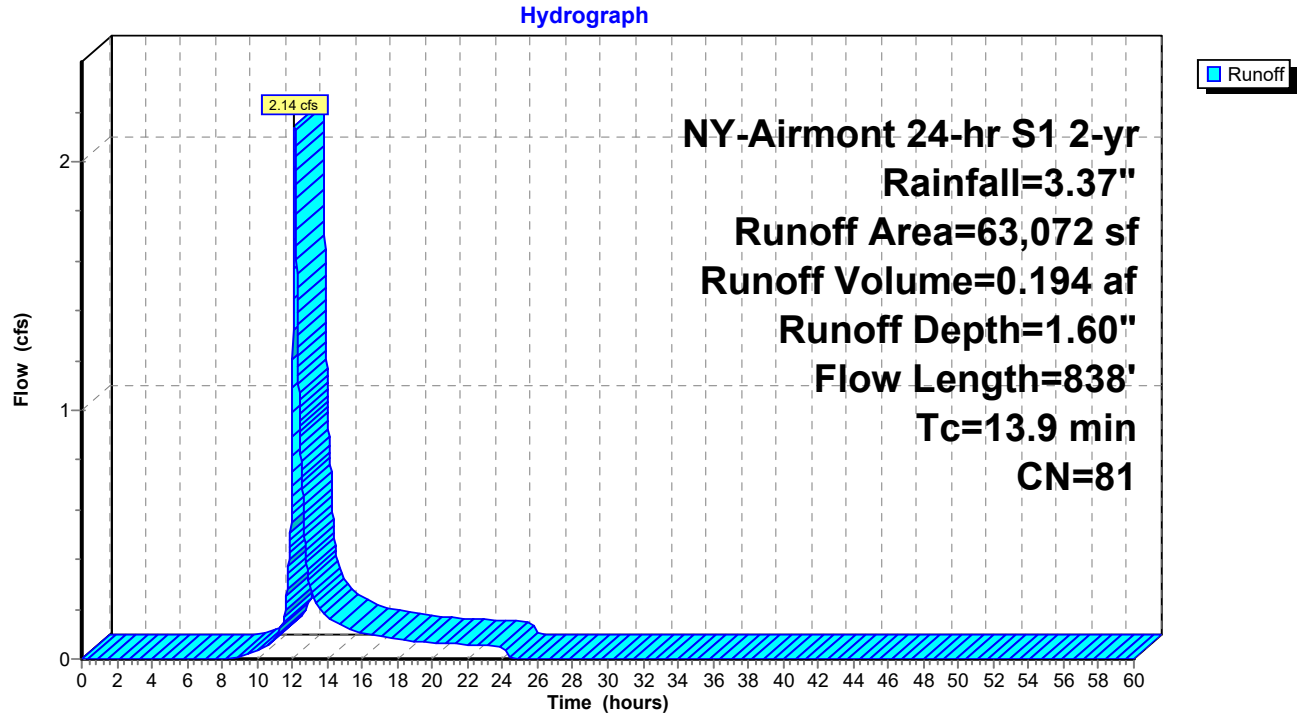
Runoff = 2.14 cfs @ 12.15 hrs, Volume= 0.194 af, Depth= 1.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
19,075	98	Unconnected pavement, HSG C
43,997	74	>75% Grass cover, Good, HSG C
63,072	81	Weighted Average
43,997		69.76% Pervious Area
19,075		30.24% Impervious Area
19,075		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.5	100	0.2500	0.48		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.5	60	0.1000	2.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
3.8	138	0.0075	0.61		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
6.1	540	0.0450	1.48		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
13.9	838	Total			

Subcatchment DA-3: DA-3



Summary for Subcatchment DA-5: DA-5

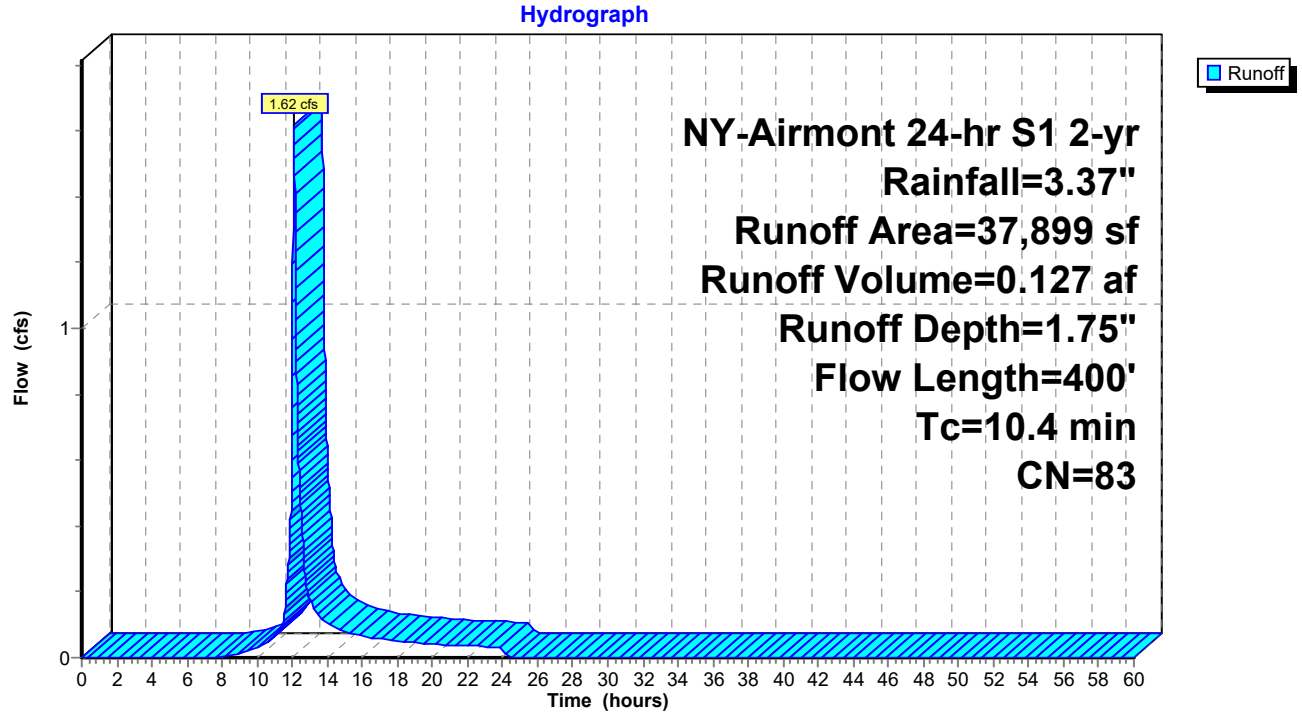
Runoff = 1.62 cfs @ 12.10 hrs, Volume= 0.127 af, Depth= 1.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
14,322	98	Paved parking, HSG C
23,577	74	>75% Grass cover, Good, HSG C
37,899	83	Weighted Average
23,577		62.21% Pervious Area
14,322		37.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1	25	0.2500	0.36		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.7	75	0.0400	0.22		**Sheet Flow, SF2** Grass: Short n= 0.150 P2= 3.37"
3.6	300	0.0400	1.40		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
10.4	400	Total			

Subcatchment DA-5: DA-5



Summary for Subcatchment DA-6: DA-6

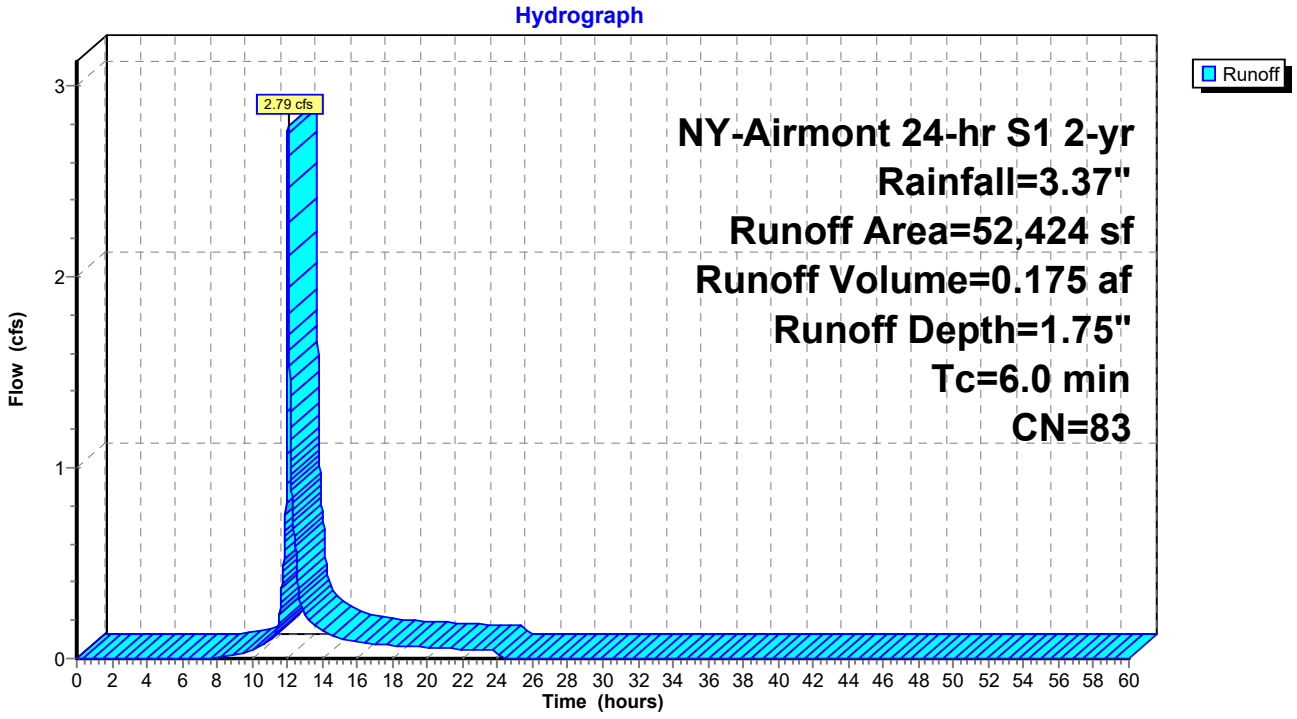
Runoff = 2.79 cfs @ 12.04 hrs, Volume= 0.175 af, Depth= 1.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
20,295	98	Paved parking, HSG C
32,129	74	>75% Grass cover, Good, HSG C
52,424	83	Weighted Average
32,129		61.29% Pervious Area
20,295		38.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-6: DA-6



Summary for Subcatchment DA-7: Conservation Area

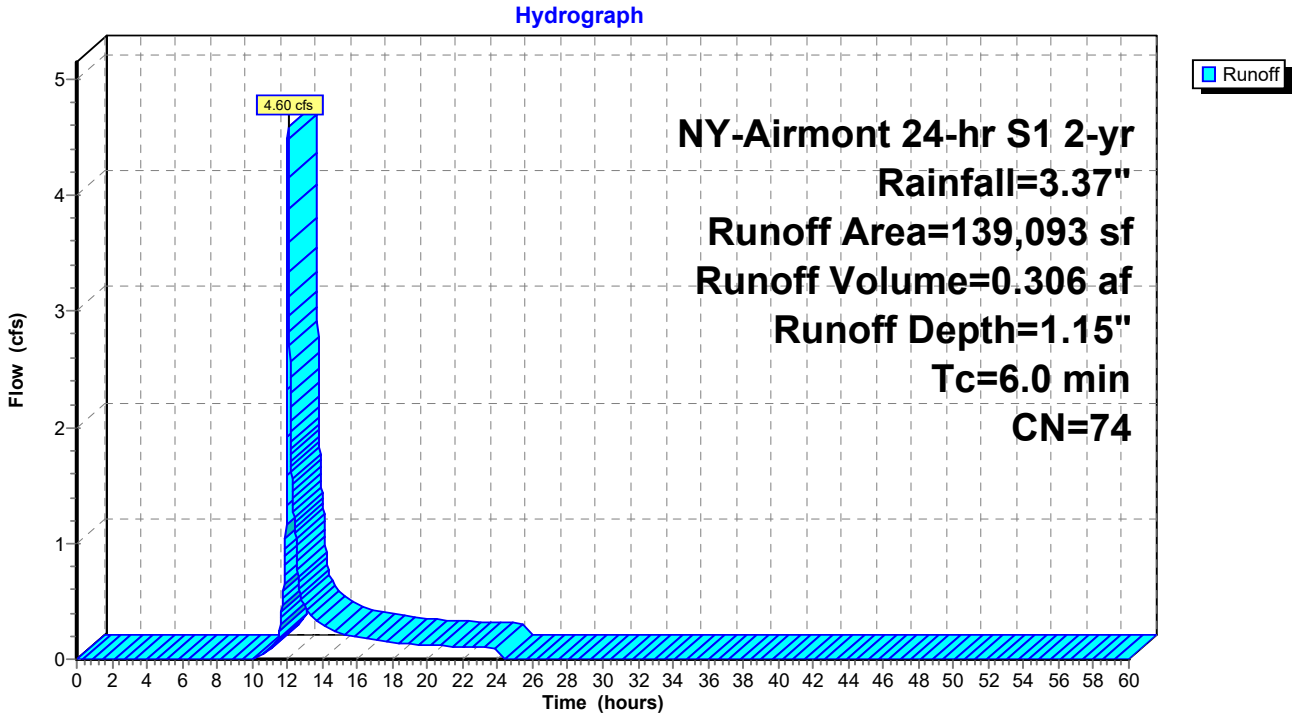
Runoff = 4.60 cfs @ 12.04 hrs, Volume= 0.306 af, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 2-yr Rainfall=3.37"

Area (sf)	CN	Description
139,093	74	>75% Grass cover, Good, HSG C
139,093		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-7: Conservation Area



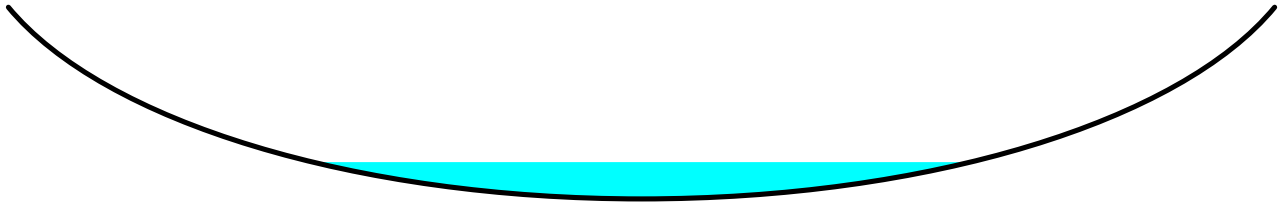
Summary for Reach 91R: Swale-North

Inflow Area = 1.448 ac, 30.24% Impervious, Inflow Depth = 1.60" for 2-yr event
Inflow = 2.14 cfs @ 12.15 hrs, Volume= 0.194 af
Outflow = 2.08 cfs @ 12.18 hrs, Volume= 0.194 af, Atten= 3%, Lag= 1.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Max. Velocity= 3.69 fps, Min. Travel Time= 2.4 min
Avg. Velocity = 1.34 fps, Avg. Travel Time= 6.7 min

Peak Storage= 305 cf @ 12.18 hrs
Average Depth at Peak Storage= 0.19'
Bank-Full Depth= 1.00' Flow Area= 6.7 sf, Capacity= 72.68 cfs

10.00' x 1.00' deep Parabolic Channel, n= 0.022 Earth, clean & straight
Length= 540.0' Slope= 0.0463 '/'
Inlet Invert= 395.00', Outlet Invert= 370.00'



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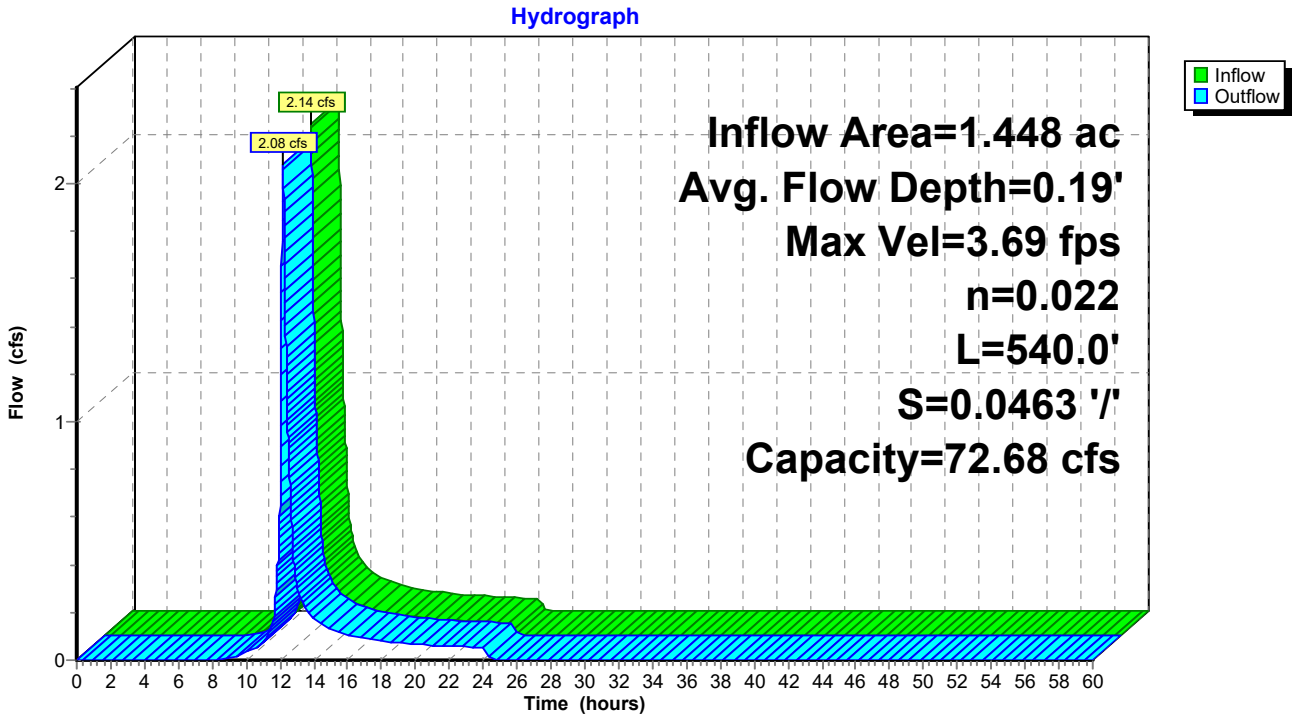
Reach 91R: Swale-North



Summary for Pond 6P: Pond

Inflow Area = 11.803 ac, 62.78% Impervious, Inflow Depth = 1.93" for 2-yr event
Inflow = 25.61 cfs @ 12.04 hrs, Volume= 1.897 af
Outflow = 22.53 cfs @ 12.07 hrs, Volume= 1.887 af, Atten= 12%, Lag= 2.1 min
Primary = 22.53 cfs @ 12.07 hrs, Volume= 1.887 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Starting Elev= 364.00' Surf.Area= 4,172 sf Storage= 10,075 cf
Peak Elev= 364.73' @ 12.07 hrs Surf.Area= 7,345 sf Storage= 14,226 cf (4,151 cf above start)
Flood Elev= 369.25' Surf.Area= 14,394 sf Storage= 62,463 cf (52,388 cf above start)

Plug-Flow detention time= 106.8 min calculated for 1.656 af (87% of inflow)
Center-of-Mass det. time= 8.3 min (826.4 - 818.2)

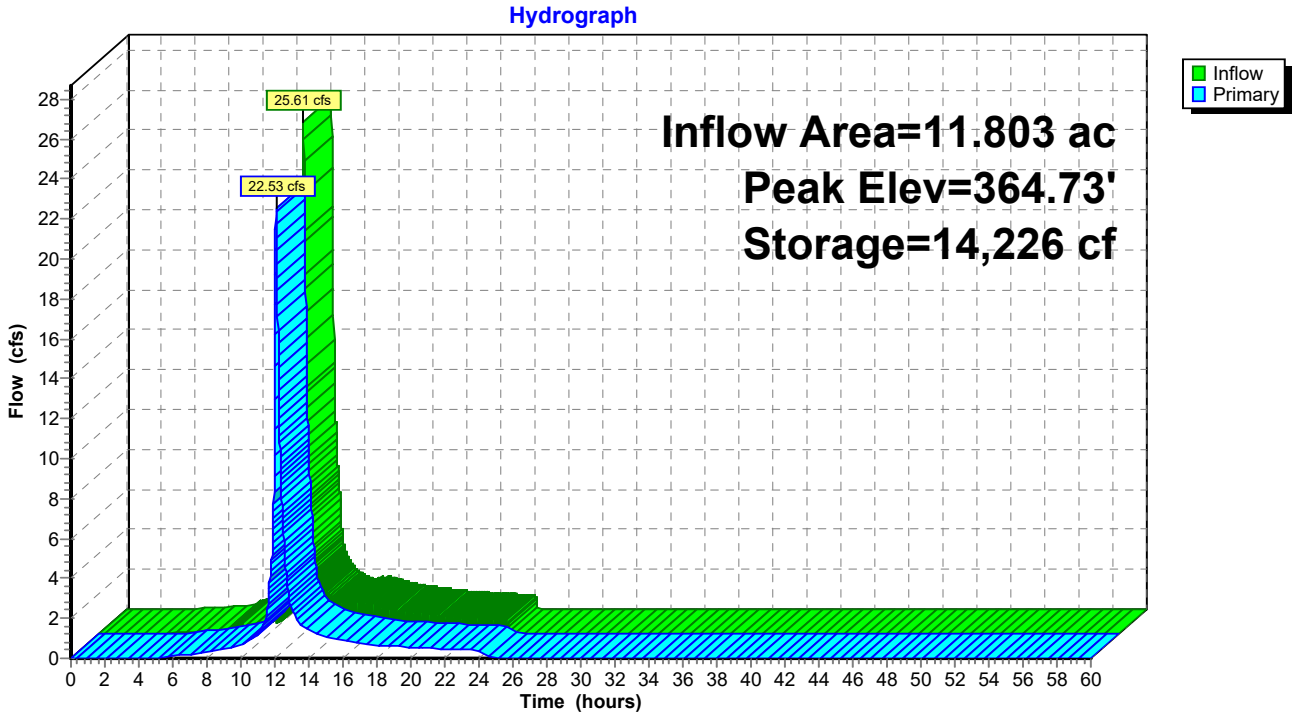
Volume	Invert	Avail.Storage	Storage Description
#1	361.00'	62,463 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
361.00	2,571	498.0	0	0	2,571
362.00	3,090	510.0	2,827	2,827	3,658
363.00	3,624	522.0	3,353	6,180	4,770
364.00	4,172	534.0	3,895	10,075	5,908
365.00	8,742	623.0	6,318	16,392	14,123
366.00	10,098	647.0	9,412	25,804	16,630
367.00	11,501	664.0	10,792	36,596	18,521
368.00	12,933	679.0	12,210	48,806	20,259
369.00	14,394	695.0	13,657	62,463	22,139

Device	Routing	Invert	Outlet Devices
#1	Primary	364.10'	**6.0" Vert. WQv X 8.00** C= 0.600
#2	Primary	364.10'	**60.0 deg x 11.0' long x 4.75' rise 10-yr** Cv= 2.53 (C= 3.16)

Primary OutFlow Max=22.49 cfs @ 12.07 hrs HW=364.73' TW=0.00' (Dynamic Tailwater)
└─**1=WQv** (Orifice Controls 4.66 cfs @ 2.97 fps)
└─**2=10-yr** (Weir Controls 17.83 cfs @ 2.49 fps)

Pond 6P: Pond


Hydrograph
Inflow
Primary
25.61 cfs
22.53 cfs
Inflow Area=11.803 ac
Peak Elev=364.73'
Storage=14,226 cf
Flow (cfs)
Time (hours)

Summary for Pond 10P: WQU69

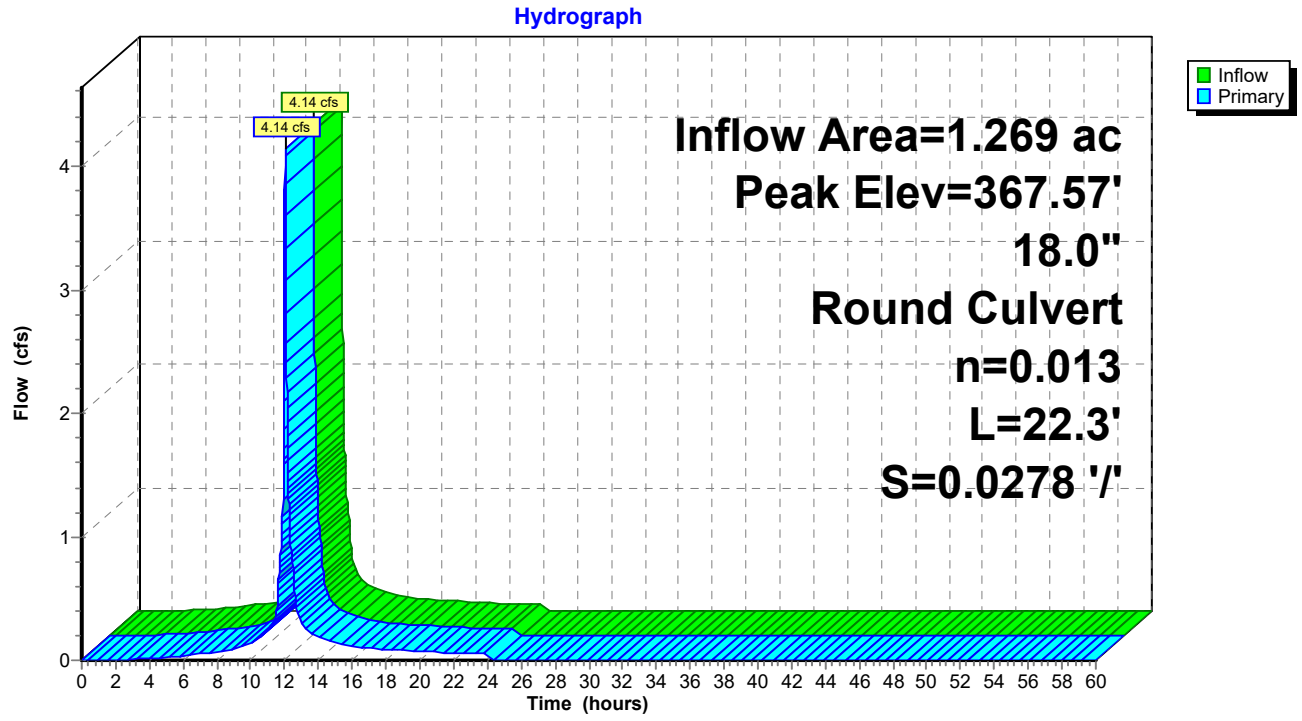
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 2.69" for 2-yr event
Inflow = 4.14 cfs @ 12.04 hrs, Volume= 0.284 af
Outflow = 4.14 cfs @ 12.04 hrs, Volume= 0.284 af, Atten= 0%, Lag= 0.0 min
Primary = 4.14 cfs @ 12.04 hrs, Volume= 0.284 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.57' @ 12.04 hrs
Flood Elev= 369.42'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.43'	**18.0" Round Culvert** L= 22.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.43' / 365.81' S= 0.0278 '/' Cc= 0.900 n= 0.013 Concrete pipe, bends & connections, Flow Area= 1.77 sf

Primary OutFlow Max=4.13 cfs @ 12.04 hrs HW=367.57' TW=364.68' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.13 cfs @ 2.87 fps)

Pond 10P: WQU69



Summary for Pond 52P: CB2

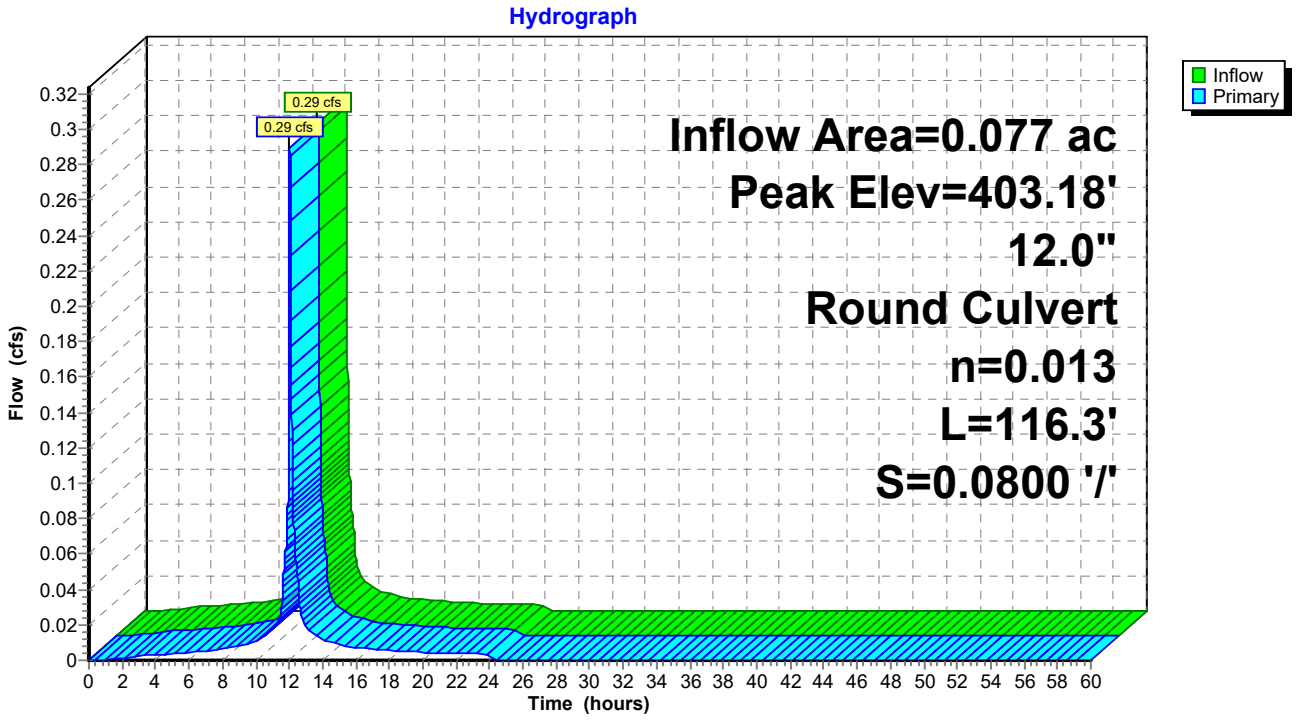
Inflow Area = 0.077 ac,100.00% Impervious, Inflow Depth = 3.14" for 2-yr event
Inflow = 0.29 cfs @ 12.04 hrs, Volume= 0.020 af
Outflow = 0.29 cfs @ 12.04 hrs, Volume= 0.020 af, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 12.04 hrs, Volume= 0.020 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.18' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	402.88'	**12.0" Round Culvert** L= 116.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 402.88' / 393.58' S= 0.0800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.29 cfs @ 12.04 hrs HW=403.18' TW=394.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.29 cfs @ 1.47 fps)

Pond 52P: CB2



Summary for Pond 53P: CB1

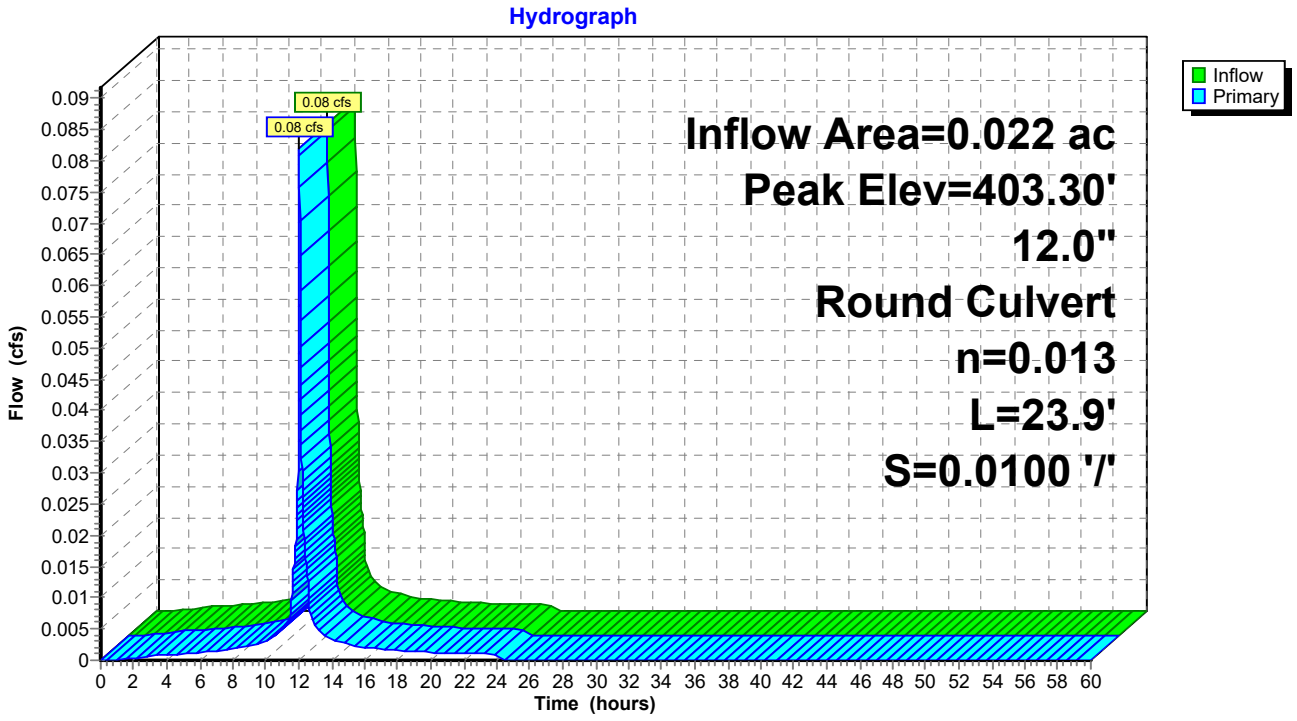
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth = 3.14" for 2-yr event
Inflow = 0.08 cfs @ 12.04 hrs, Volume= 0.006 af
Outflow = 0.08 cfs @ 12.04 hrs, Volume= 0.006 af, Atten= 0%, Lag= 0.0 min
Primary = 0.08 cfs @ 12.04 hrs, Volume= 0.006 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.30' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	403.12'	**12.0" Round Culvert** L= 23.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 403.12' / 402.88' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.08 cfs @ 12.04 hrs HW=403.30' TW=403.18' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.08 cfs @ 1.26 fps)

Pond 53P: CB1



Summary for Pond 54P: CB3

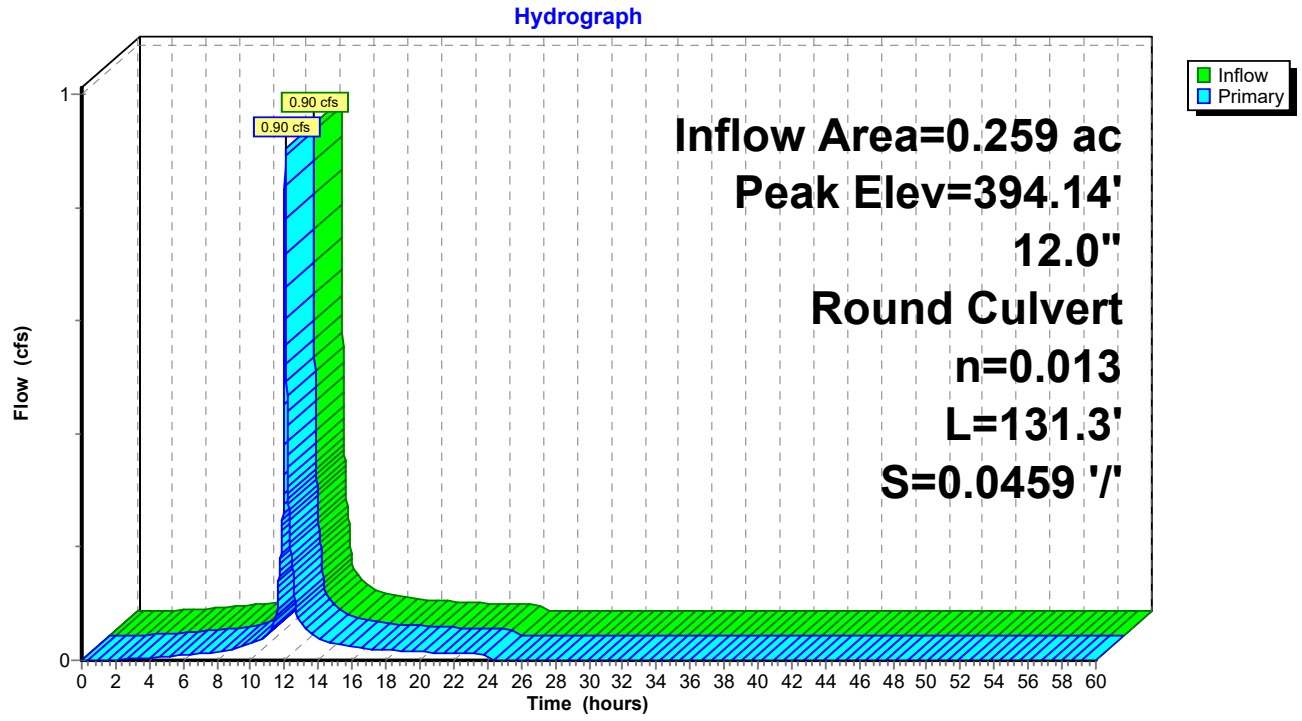
Inflow Area = 0.259 ac, 85.57% Impervious, Inflow Depth = 2.77" for 2-yr event
Inflow = 0.90 cfs @ 12.04 hrs, Volume= 0.060 af
Outflow = 0.90 cfs @ 12.04 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 0.90 cfs @ 12.04 hrs, Volume= 0.060 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 394.14' @ 12.04 hrs
Flood Elev= 398.26'

Device	Routing	Invert	Outlet Devices
#1	Primary	393.58'	**12.0" Round Culvert** L= 131.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 393.58' / 387.55' S= 0.0459 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.90 cfs @ 12.04 hrs HW=394.14' TW=388.36' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.90 cfs @ 2.01 fps)

Pond 54P: CB3



Summary for Pond 55P: CB11

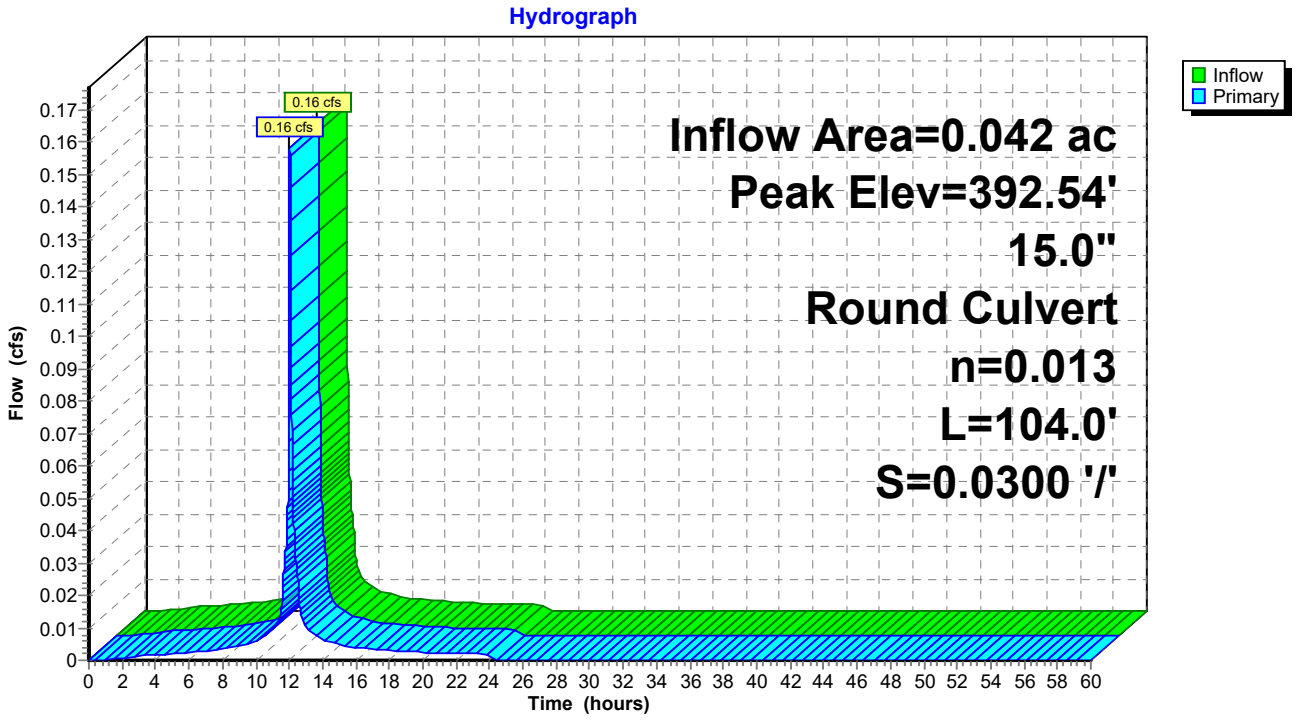
Inflow Area = 0.042 ac,100.00% Impervious, Inflow Depth = 3.14" for 2-yr event
Inflow = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af
Outflow = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Primary = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 392.54' @ 12.04 hrs
Flood Elev= 396.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	392.34'	**15.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 392.34' / 389.22' S= 0.0300 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.16 cfs @ 12.04 hrs HW=392.54' TW=389.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.16 cfs @ 1.21 fps)

Pond 55P: CB11



Summary for Pond 56P: CB12

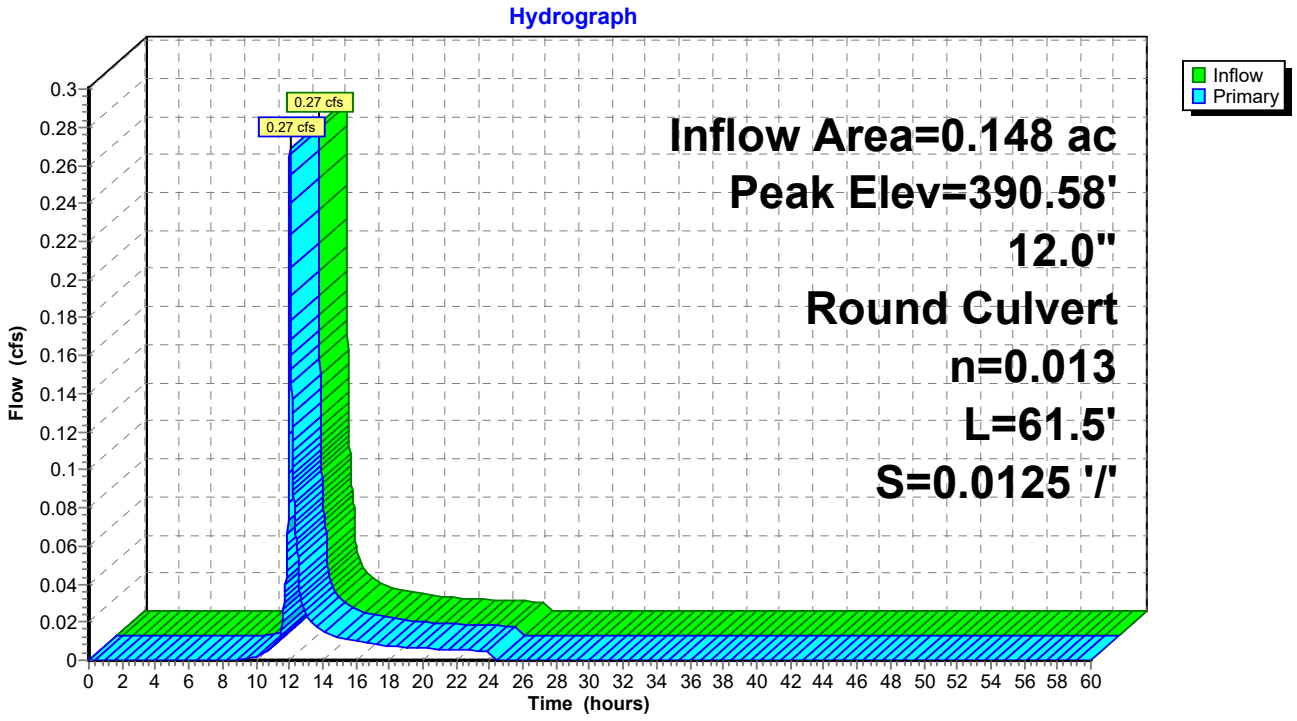
Inflow Area = 0.148 ac, 14.93% Impervious, Inflow Depth = 1.40" for 2-yr event
Inflow = 0.27 cfs @ 12.04 hrs, Volume= 0.017 af
Outflow = 0.27 cfs @ 12.04 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.04 hrs, Volume= 0.017 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.58' @ 12.04 hrs
Flood Elev= 395.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	390.29'	**12.0" Round Culvert** L= 61.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 390.29' / 389.52' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.04 hrs HW=390.58' TW=389.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.27 cfs @ 1.44 fps)

Pond 56P: CB12



Summary for Pond 57P: CB13

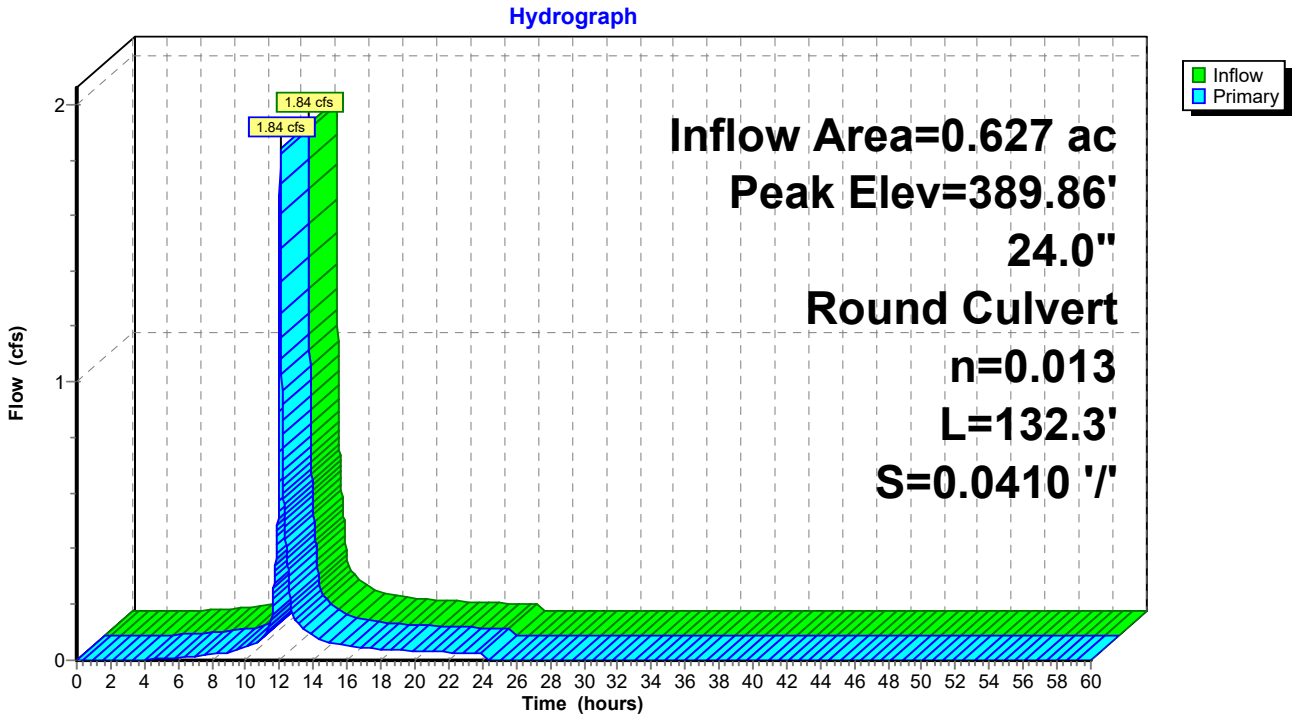
Inflow Area = 0.627 ac, 60.79% Impervious, Inflow Depth = 2.27" for 2-yr event
Inflow = 1.84 cfs @ 12.04 hrs, Volume= 0.119 af
Outflow = 1.84 cfs @ 12.04 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.84 cfs @ 12.04 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 389.86' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.22'	**24.0" Round Culvert** L= 132.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.22' / 383.79' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=1.84 cfs @ 12.04 hrs HW=389.85' TW=384.86' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.84 cfs @ 2.14 fps)

Pond 57P: CB13



Summary for Pond 58P: CB39

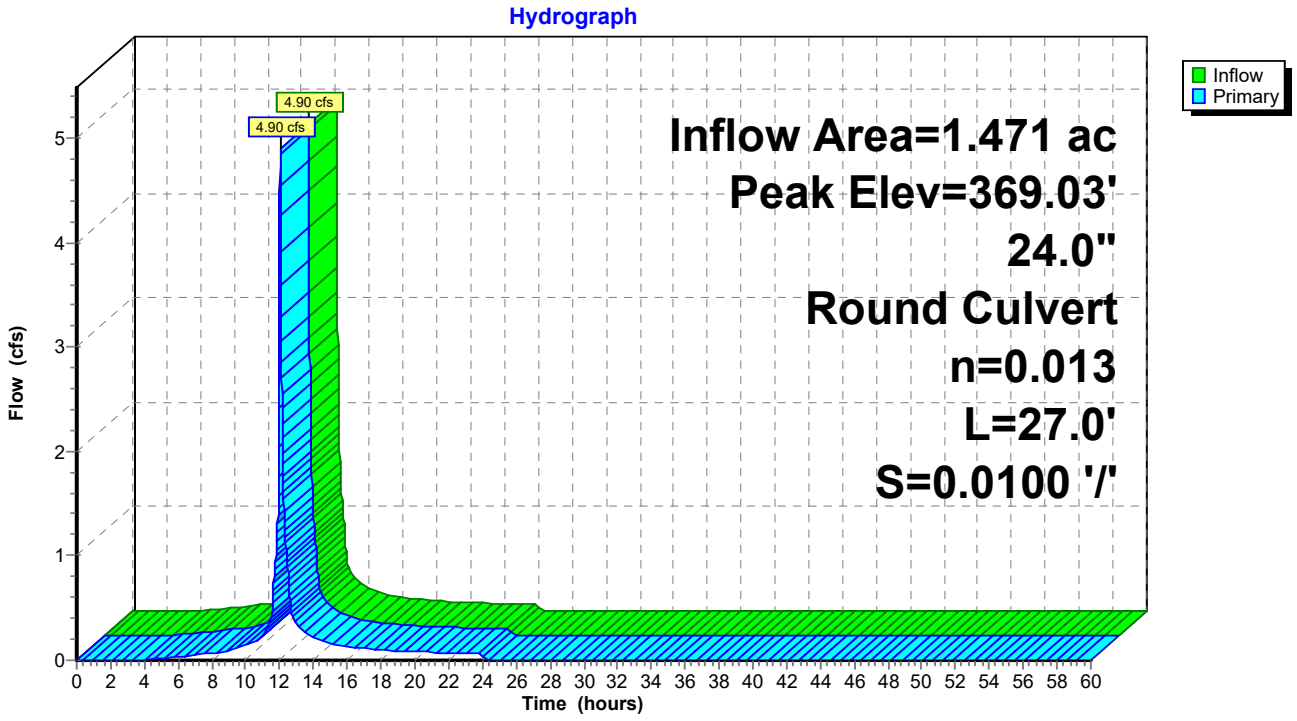
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 2.58" for 2-yr event
Inflow = 4.90 cfs @ 12.04 hrs, Volume= 0.316 af
Outflow = 4.90 cfs @ 12.04 hrs, Volume= 0.316 af, Atten= 0%, Lag= 0.0 min
Primary = 4.90 cfs @ 12.04 hrs, Volume= 0.316 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.03' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.71'	**24.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.71' / 367.44' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.89 cfs @ 12.04 hrs HW=369.03' TW=368.68' (Dynamic Tailwater)
1=Culvert (Outlet Controls 4.89 cfs @ 3.16 fps)

Pond 58P: CB39



Summary for Pond 59P: CB14

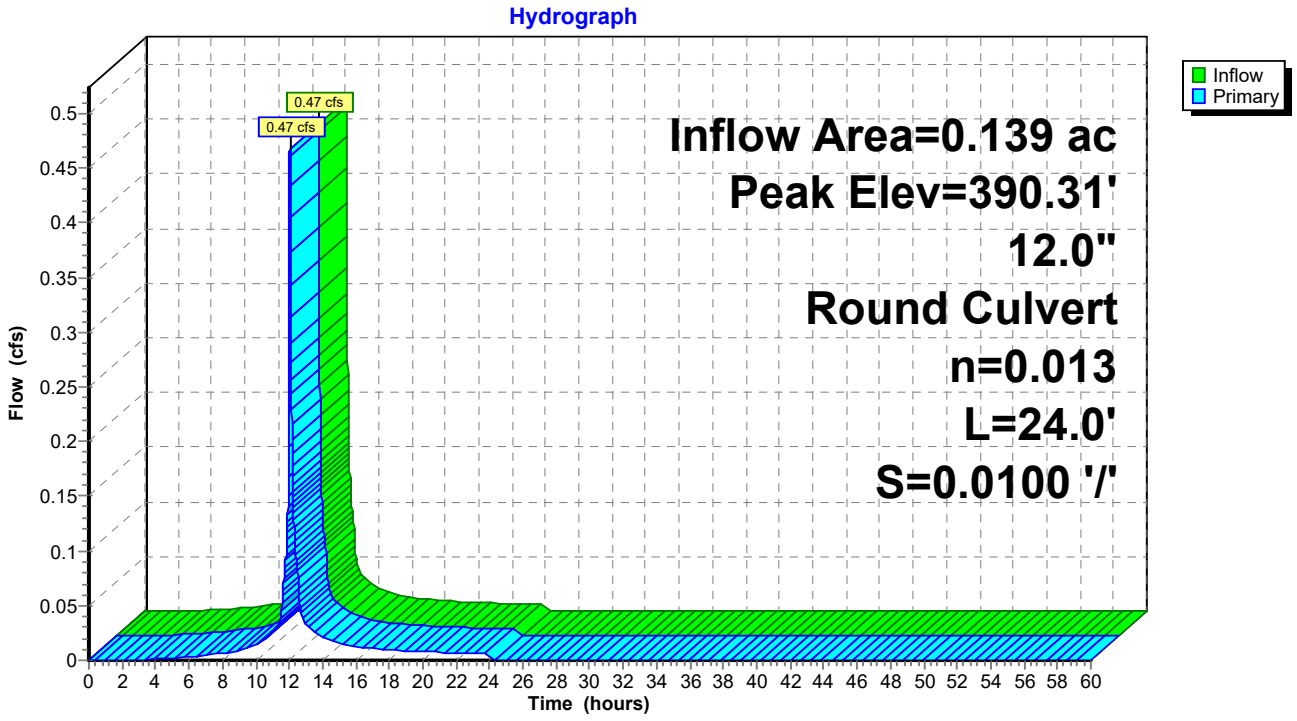
Inflow Area = 0.139 ac, 79.57% Impervious, Inflow Depth = 2.61" for 2-yr event
Inflow = 0.47 cfs @ 12.04 hrs, Volume= 0.030 af
Outflow = 0.47 cfs @ 12.04 hrs, Volume= 0.030 af, Atten= 0%, Lag= 0.0 min
Primary = 0.47 cfs @ 12.04 hrs, Volume= 0.030 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.31' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.92'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.92' / 389.68' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.47 cfs @ 12.04 hrs HW=390.31' TW=389.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.47 cfs @ 1.67 fps)

Pond 59P: CB14



Summary for Pond 60P: CB16

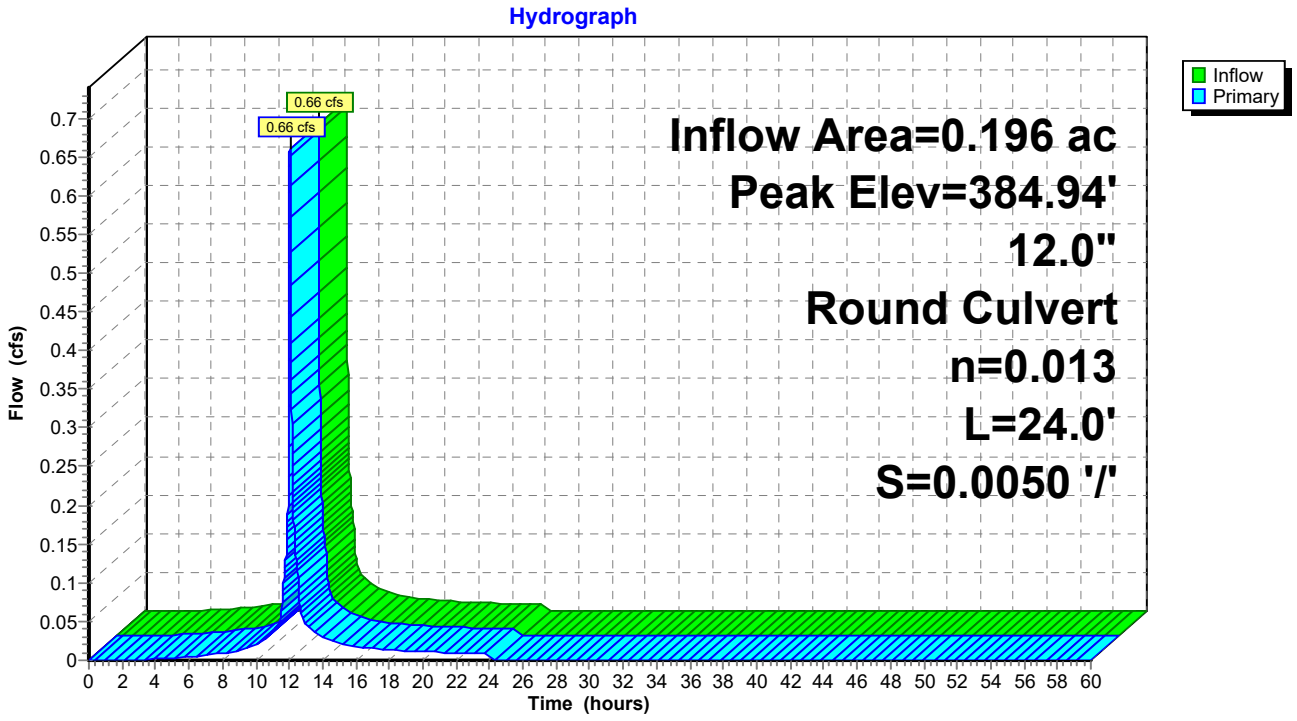
Inflow Area = 0.196 ac, 81.20% Impervious, Inflow Depth = 2.61" for 2-yr event
Inflow = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af
Outflow = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 384.94' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	384.16'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 384.16' / 384.04' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.66 cfs @ 12.04 hrs HW=384.94' TW=384.86' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.66 cfs @ 1.39 fps)

Pond 60P: CB16



Summary for Pond 61P: CB15

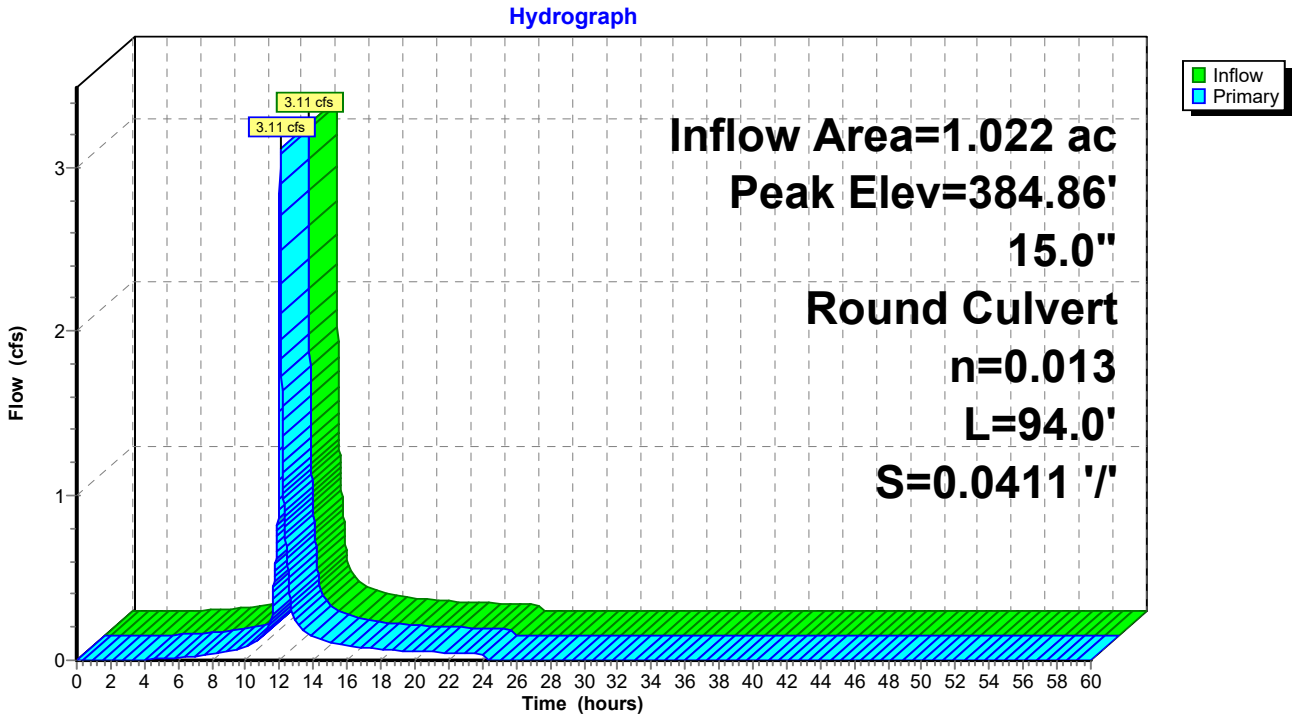
Inflow Area = 1.022 ac, 65.96% Impervious, Inflow Depth = 2.34" for 2-yr event
Inflow = 3.11 cfs @ 12.04 hrs, Volume= 0.200 af
Outflow = 3.11 cfs @ 12.04 hrs, Volume= 0.200 af, Atten= 0%, Lag= 0.0 min
Primary = 3.11 cfs @ 12.04 hrs, Volume= 0.200 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 384.86' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	383.79'	**15.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 383.79' / 379.93' S= 0.0411 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.10 cfs @ 12.04 hrs HW=384.86' TW=380.79' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.10 cfs @ 2.78 fps)

Pond 61P: CB15



Summary for Pond 62P: CB18

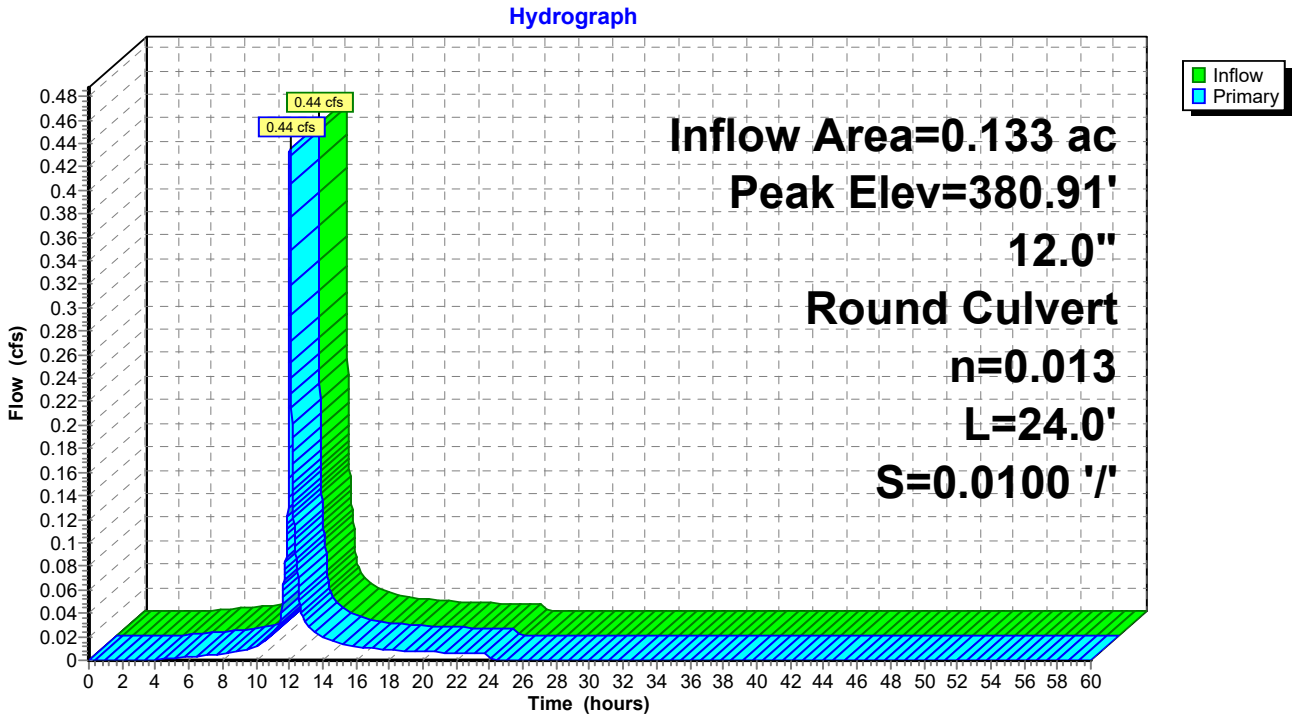
Inflow Area = 0.133 ac, 74.92% Impervious, Inflow Depth = 2.51" for 2-yr event
Inflow = 0.44 cfs @ 12.04 hrs, Volume= 0.028 af
Outflow = 0.44 cfs @ 12.04 hrs, Volume= 0.028 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.04 hrs, Volume= 0.028 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 380.91' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.42'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.42' / 380.18' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.04 hrs HW=380.91' TW=380.79' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.43 cfs @ 1.65 fps)

Pond 62P: CB18



Summary for Pond 63P: CB17

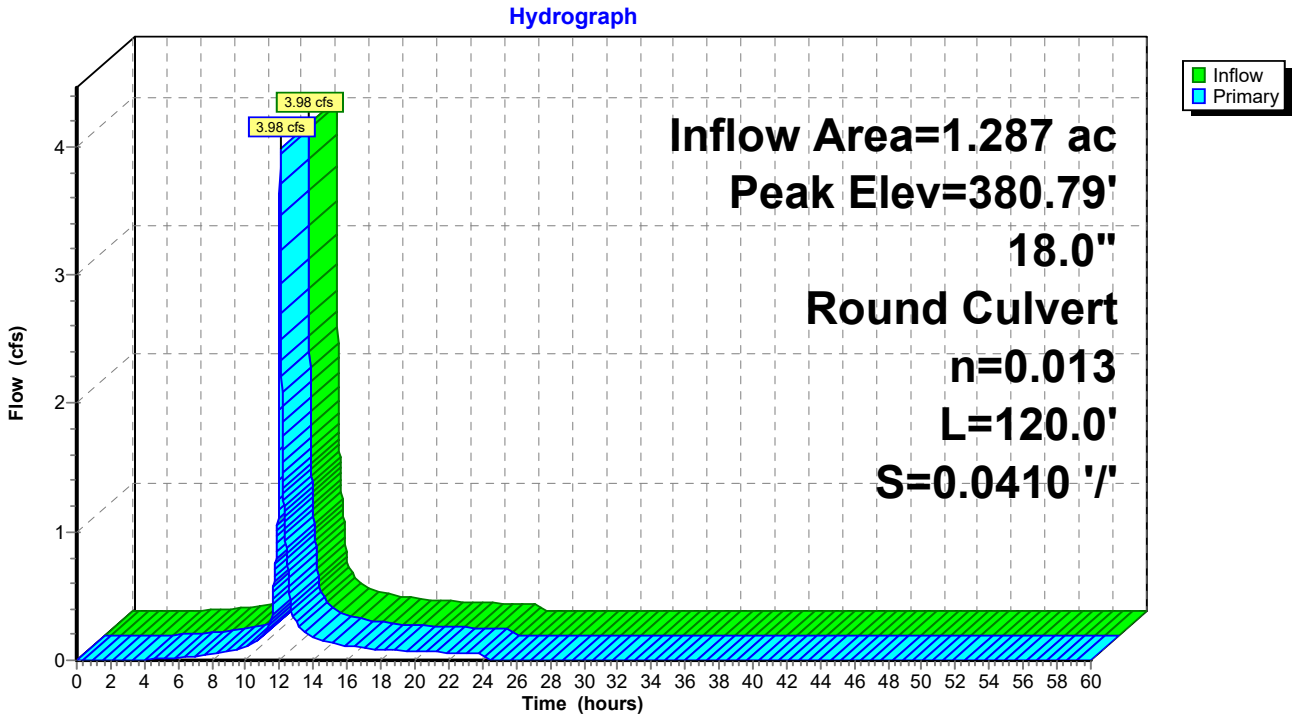
Inflow Area = 1.287 ac, 68.00% Impervious, Inflow Depth = 2.38" for 2-yr event
Inflow = 3.98 cfs @ 12.04 hrs, Volume= 0.255 af
Outflow = 3.98 cfs @ 12.04 hrs, Volume= 0.255 af, Atten= 0%, Lag= 0.0 min
Primary = 3.98 cfs @ 12.04 hrs, Volume= 0.255 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 380.79' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	379.68'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 379.68' / 374.76' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.97 cfs @ 12.04 hrs HW=380.79' TW=376.20' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.97 cfs @ 2.83 fps)

Pond 63P: CB17



Summary for Pond 64P: CB20

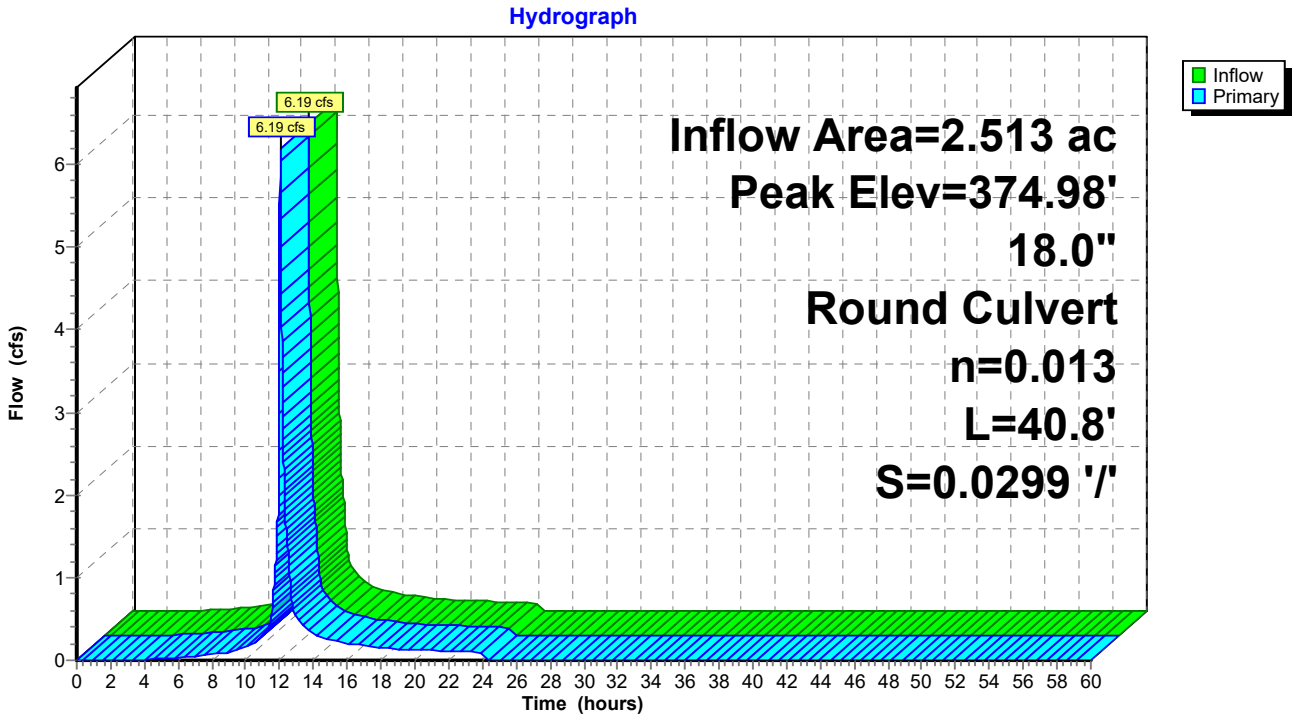
Inflow Area = 2.513 ac, 57.69% Impervious, Inflow Depth = 2.09" for 2-yr event
Inflow = 6.19 cfs @ 12.04 hrs, Volume= 0.438 af
Outflow = 6.19 cfs @ 12.04 hrs, Volume= 0.438 af, Atten= 0%, Lag= 0.0 min
Primary = 6.19 cfs @ 12.04 hrs, Volume= 0.438 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.98' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.30'	**18.0" Round Culvert** L= 40.8' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.30' / 372.08' S= 0.0299 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.18 cfs @ 12.04 hrs HW=374.97' TW=374.12' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.18 cfs @ 3.50 fps)

Pond 64P: CB20



Summary for Pond 65P: CB19

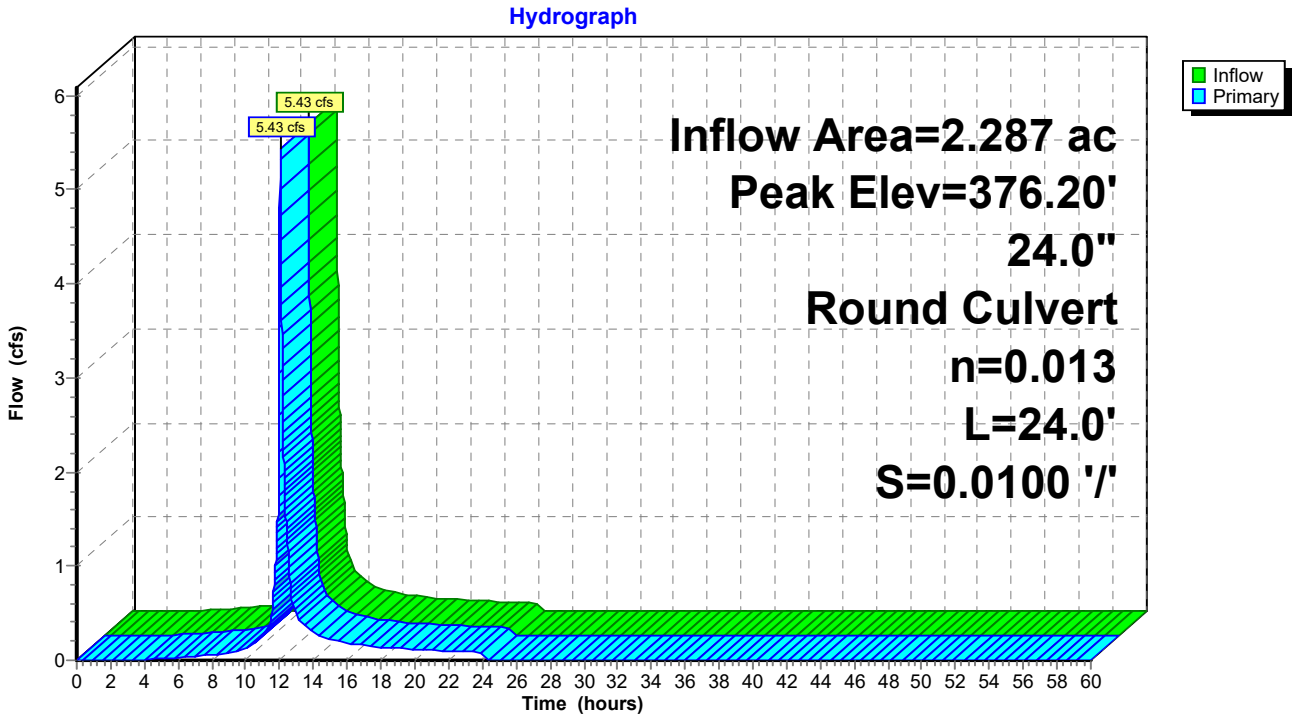
Inflow Area = 2.287 ac, 55.54% Impervious, Inflow Depth = 2.04" for 2-yr event
Inflow = 5.43 cfs @ 12.04 hrs, Volume= 0.388 af
Outflow = 5.43 cfs @ 12.04 hrs, Volume= 0.388 af, Atten= 0%, Lag= 0.0 min
Primary = 5.43 cfs @ 12.04 hrs, Volume= 0.388 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 376.20' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	375.00'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 375.00' / 374.76' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.42 cfs @ 12.04 hrs HW=376.20' TW=374.97' (Dynamic Tailwater)
1=Culvert (Barrel Controls 5.42 cfs @ 3.95 fps)

Pond 65P: CB19



Summary for Pond 66P: CB21

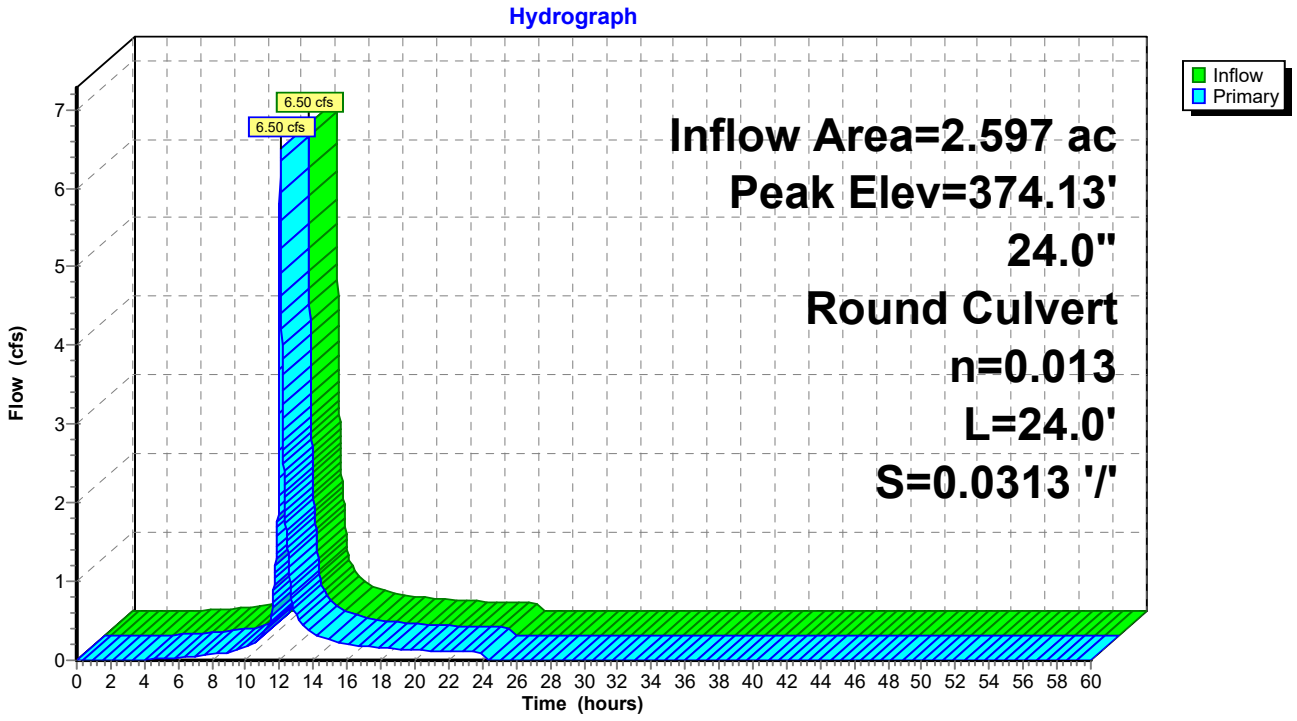
Inflow Area = 2.597 ac, 58.97% Impervious, Inflow Depth = 2.12" for 2-yr event
Inflow = 6.50 cfs @ 12.04 hrs, Volume= 0.459 af
Outflow = 6.50 cfs @ 12.04 hrs, Volume= 0.459 af, Atten= 0%, Lag= 0.0 min
Primary = 6.50 cfs @ 12.04 hrs, Volume= 0.459 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.13' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	372.84'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 372.84' / 372.09' S= 0.0313 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.49 cfs @ 12.04 hrs HW=374.12' TW=372.94' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.49 cfs @ 3.05 fps)

Pond 66P: CB21



Summary for Pond 67P: CB22

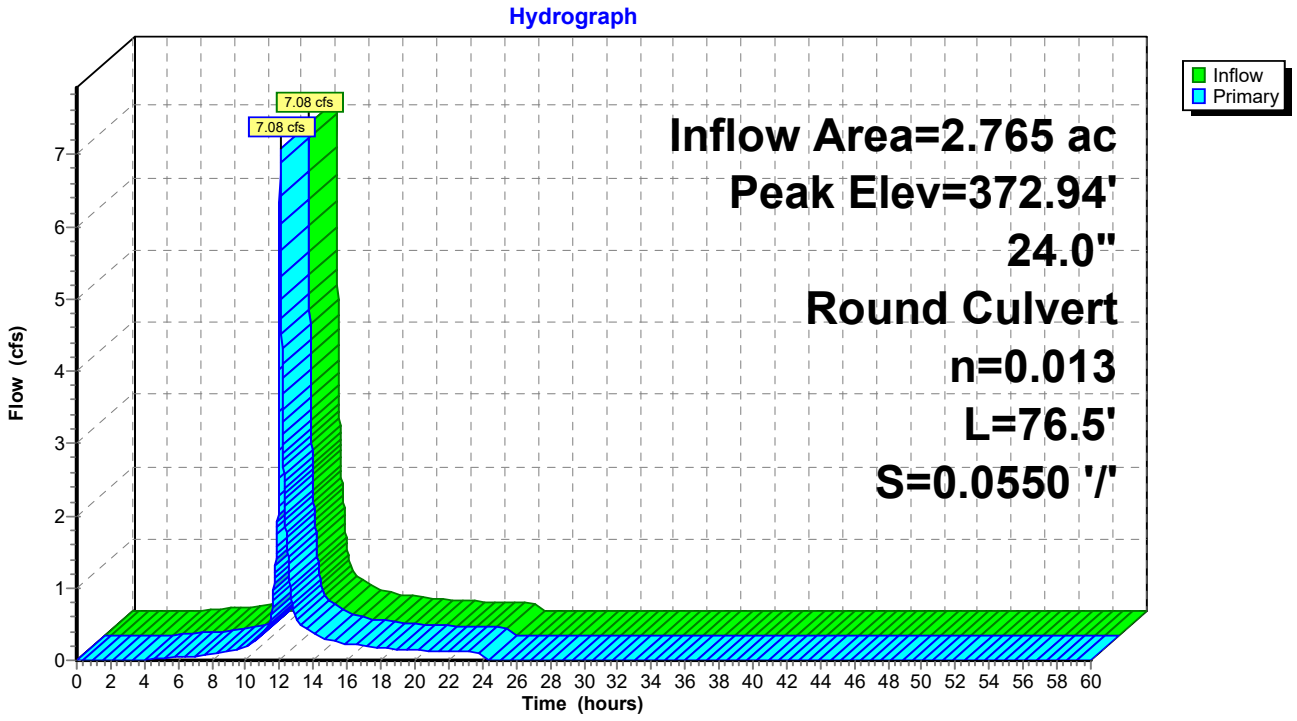
Inflow Area = 2.765 ac, 60.35% Impervious, Inflow Depth = 2.16" for 2-yr event
Inflow = 7.08 cfs @ 12.04 hrs, Volume= 0.497 af
Outflow = 7.08 cfs @ 12.04 hrs, Volume= 0.497 af, Atten= 0%, Lag= 0.0 min
Primary = 7.08 cfs @ 12.04 hrs, Volume= 0.497 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 372.94' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.59'	**24.0" Round Culvert** L= 76.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.59' / 367.38' S= 0.0550 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.08 cfs @ 12.04 hrs HW=372.94' TW=368.91' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.08 cfs @ 3.13 fps)

Pond 67P: CB22



Summary for Pond 68P: CB28

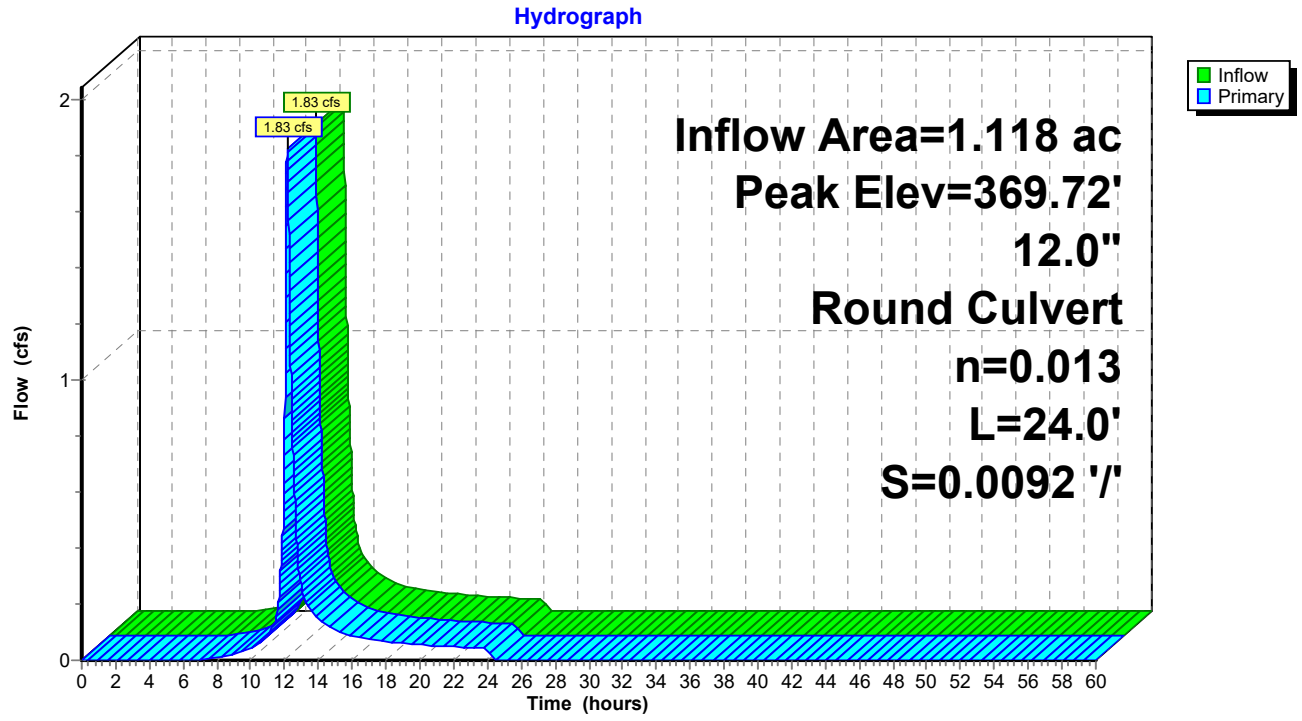
Inflow Area = 1.118 ac, 42.01% Impervious, Inflow Depth = 1.85" for 2-yr event
Inflow = 1.83 cfs @ 12.16 hrs, Volume= 0.172 af
Outflow = 1.83 cfs @ 12.16 hrs, Volume= 0.172 af, Atten= 0%, Lag= 0.0 min
Primary = 1.83 cfs @ 12.16 hrs, Volume= 0.172 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.72' @ 12.16 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.85'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.85' / 368.63' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.83 cfs @ 12.16 hrs HW=369.72' TW=368.59' (Dynamic Tailwater)
1=Culvert (Barrel Controls 1.83 cfs @ 3.35 fps)

Pond 68P: CB28



Summary for Pond 69P: CB26

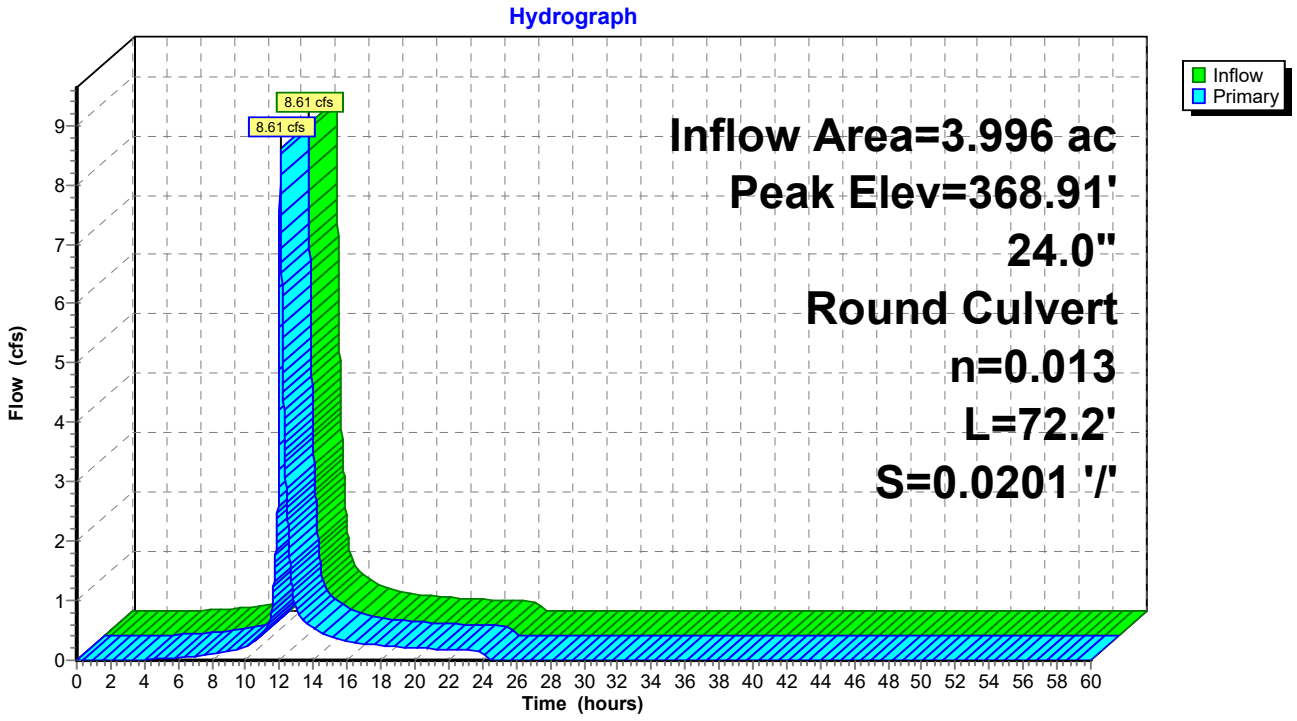
Inflow Area = 3.996 ac, 55.78% Impervious, Inflow Depth = 2.08" for 2-yr event
Inflow = 8.61 cfs @ 12.05 hrs, Volume= 0.694 af
Outflow = 8.61 cfs @ 12.05 hrs, Volume= 0.694 af, Atten= 0%, Lag= 0.0 min
Primary = 8.61 cfs @ 12.05 hrs, Volume= 0.694 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.91' @ 12.05 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.38'	**24.0" Round Culvert** L= 72.2' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.38' / 365.93' S= 0.0201 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.59 cfs @ 12.05 hrs HW=368.91' TW=366.60' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.59 cfs @ 3.33 fps)

Pond 69P: CB26



Summary for Pond 70P: CB29

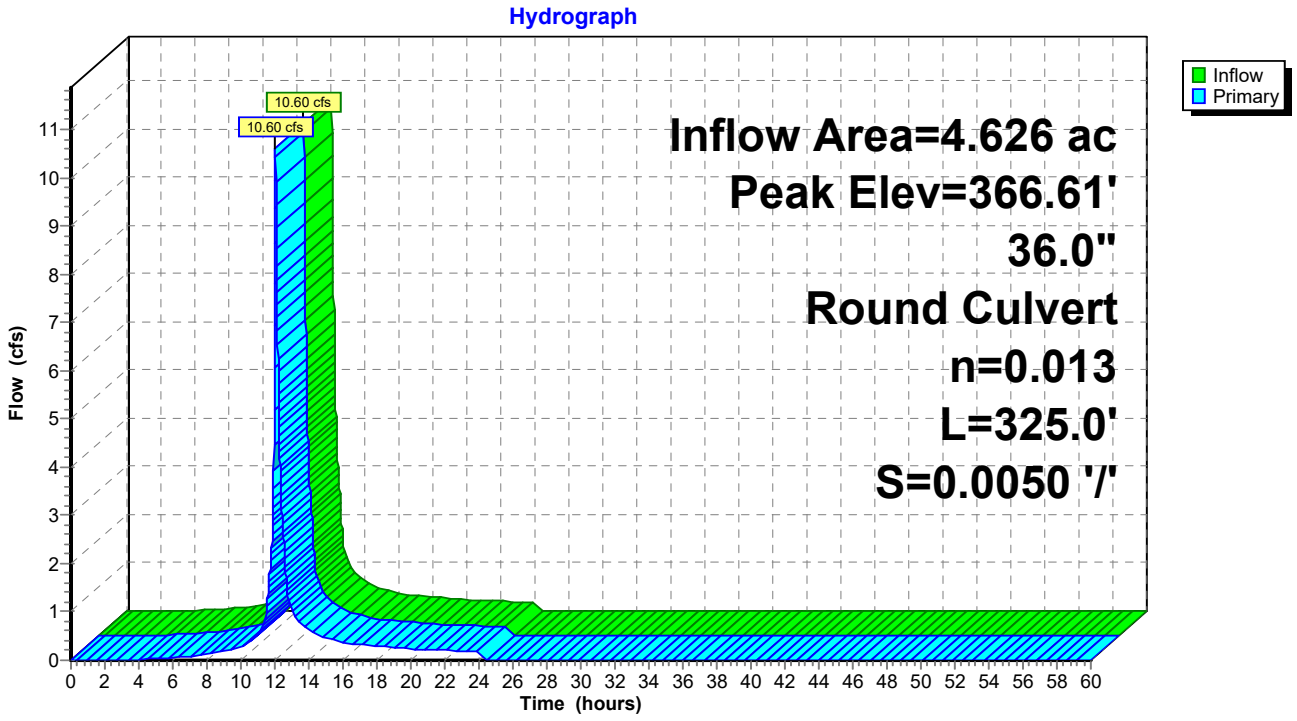
Inflow Area = 4.626 ac, 57.99% Impervious, Inflow Depth = 2.13" for 2-yr event
Inflow = 10.60 cfs @ 12.04 hrs, Volume= 0.822 af
Outflow = 10.60 cfs @ 12.04 hrs, Volume= 0.822 af, Atten= 0%, Lag= 0.0 min
Primary = 10.60 cfs @ 12.04 hrs, Volume= 0.822 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.61' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	364.93'	**36.0" Round Culvert** L= 325.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 364.93' / 363.31' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=10.48 cfs @ 12.04 hrs HW=366.60' TW=365.58' (Dynamic Tailwater)
1=Culvert (Outlet Controls 10.48 cfs @ 3.75 fps)

Pond 70P: CB29



Summary for Pond 71P: CB30

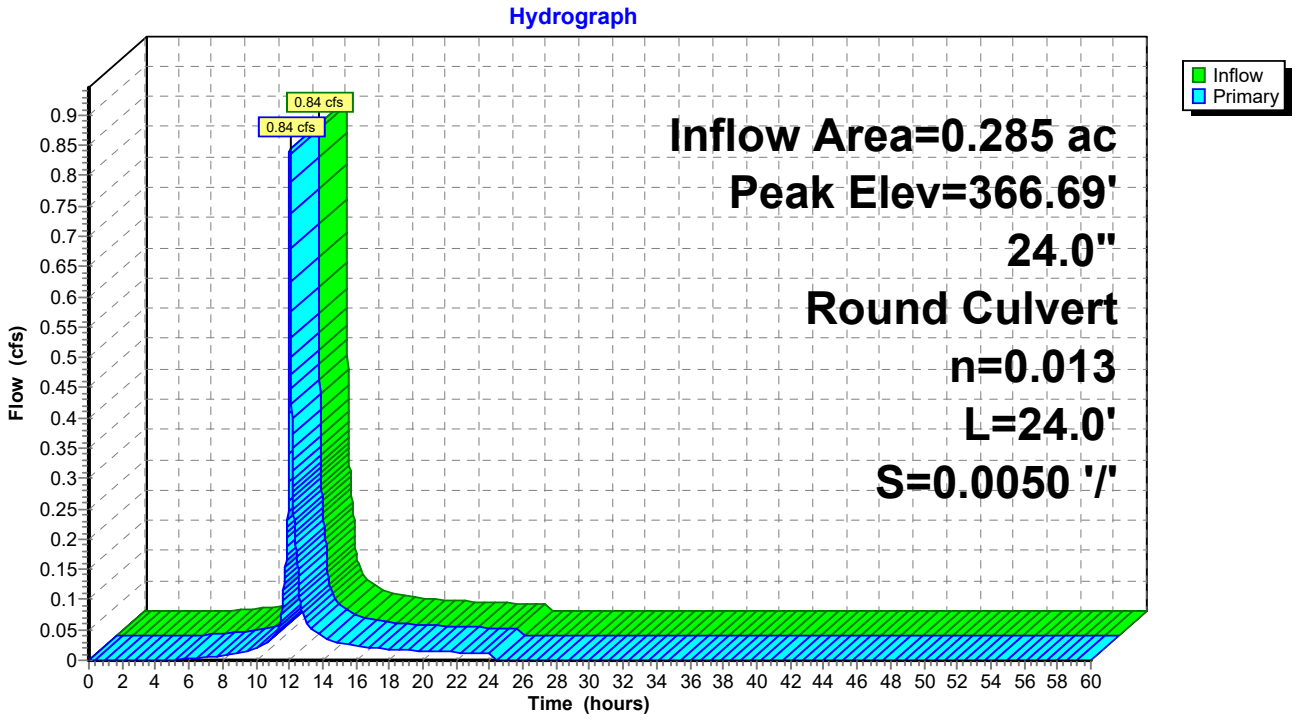
Inflow Area = 0.285 ac, 61.49% Impervious, Inflow Depth = 2.24" for 2-yr event
Inflow = 0.84 cfs @ 12.04 hrs, Volume= 0.053 af
Outflow = 0.84 cfs @ 12.04 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.84 cfs @ 12.04 hrs, Volume= 0.053 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.69' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.05'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.05' / 365.93' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=0.83 cfs @ 12.04 hrs HW=366.68' TW=366.59' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.83 cfs @ 1.47 fps)

Pond 71P: CB30



Summary for Pond 72P: CB27

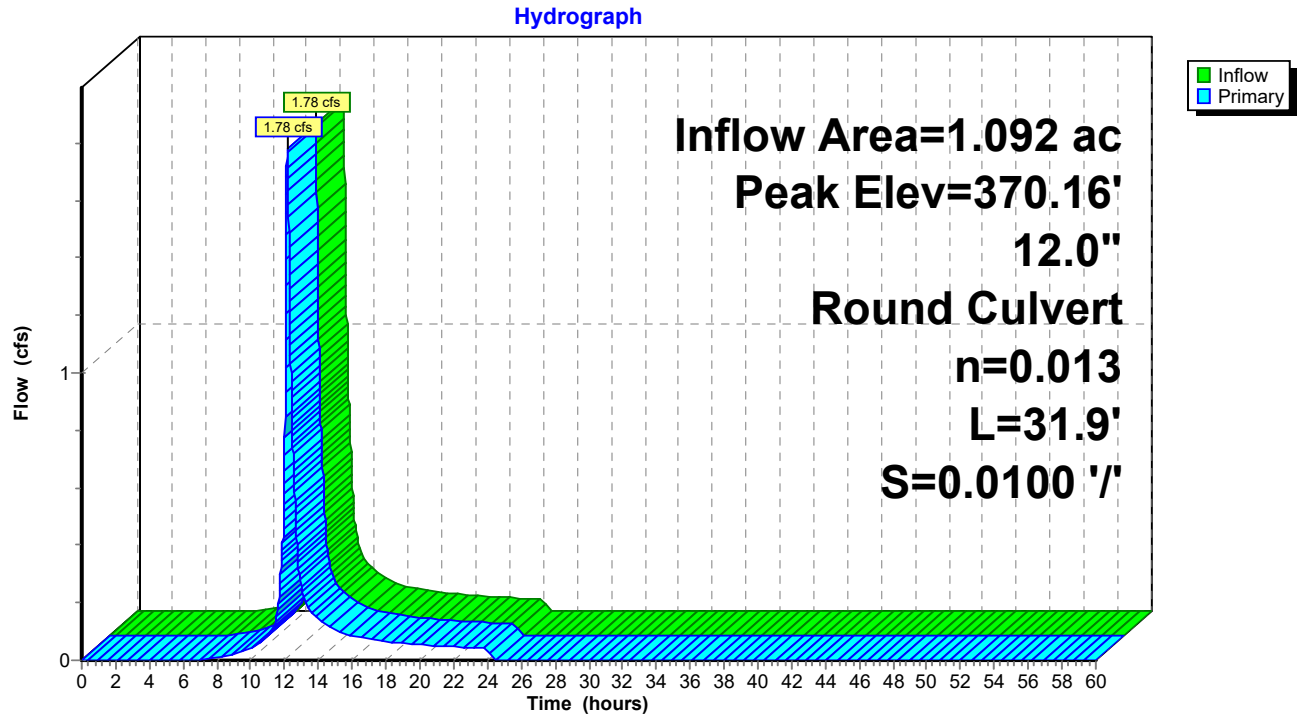
Inflow Area = 1.092 ac, 40.96% Impervious, Inflow Depth = 1.83" for 2-yr event
Inflow = 1.78 cfs @ 12.16 hrs, Volume= 0.166 af
Outflow = 1.78 cfs @ 12.16 hrs, Volume= 0.166 af, Atten= 0%, Lag= 0.0 min
Primary = 1.78 cfs @ 12.16 hrs, Volume= 0.166 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.16' @ 12.16 hrs
Flood Elev= 373.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.27'	**12.0" Round Culvert** L= 31.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.27' / 368.95' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.78 cfs @ 12.16 hrs HW=370.16' TW=369.72' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.78 cfs @ 3.21 fps)

Pond 72P: CB27



Summary for Pond 73P: CB38

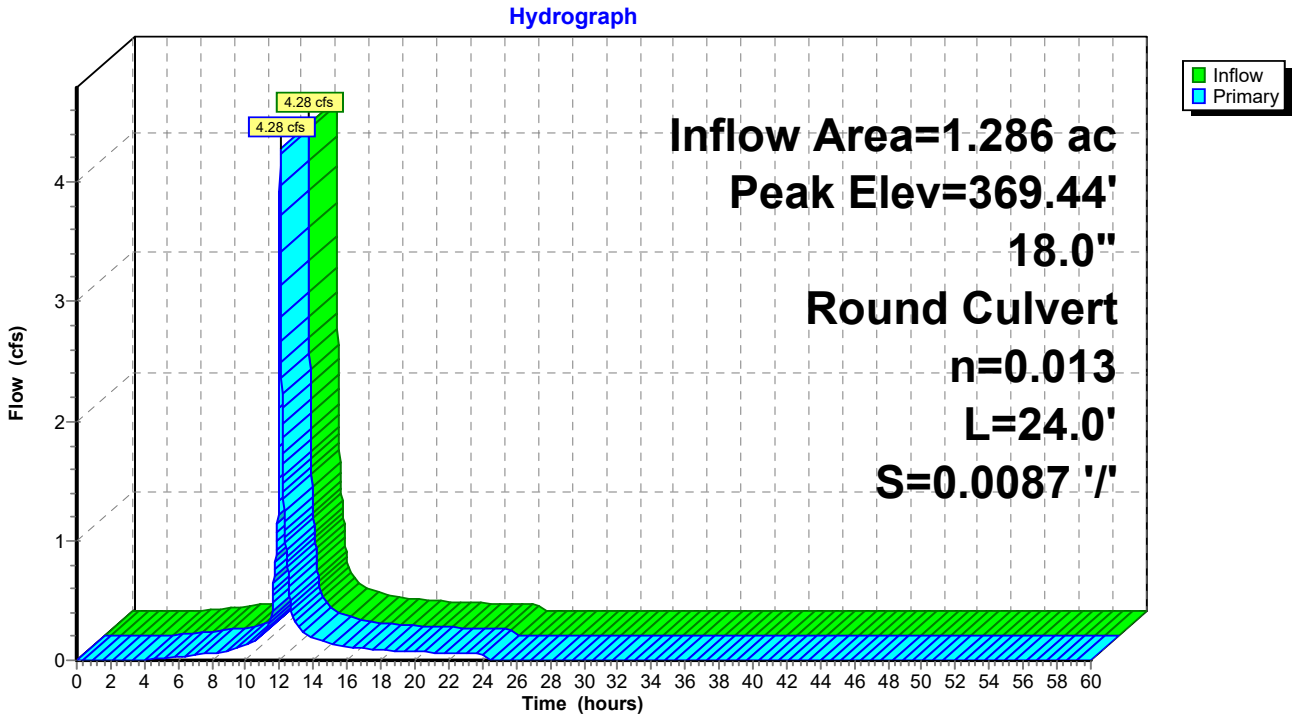
Inflow Area = 1.286 ac, 77.38% Impervious, Inflow Depth = 2.57" for 2-yr event
Inflow = 4.28 cfs @ 12.04 hrs, Volume= 0.276 af
Outflow = 4.28 cfs @ 12.04 hrs, Volume= 0.276 af, Atten= 0%, Lag= 0.0 min
Primary = 4.28 cfs @ 12.04 hrs, Volume= 0.276 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.44' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**18.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.74' S= 0.0087 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.27 cfs @ 12.04 hrs HW=369.43' TW=369.03' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.27 cfs @ 2.42 fps)

Pond 73P: CB38



Summary for Pond 74P: CB36

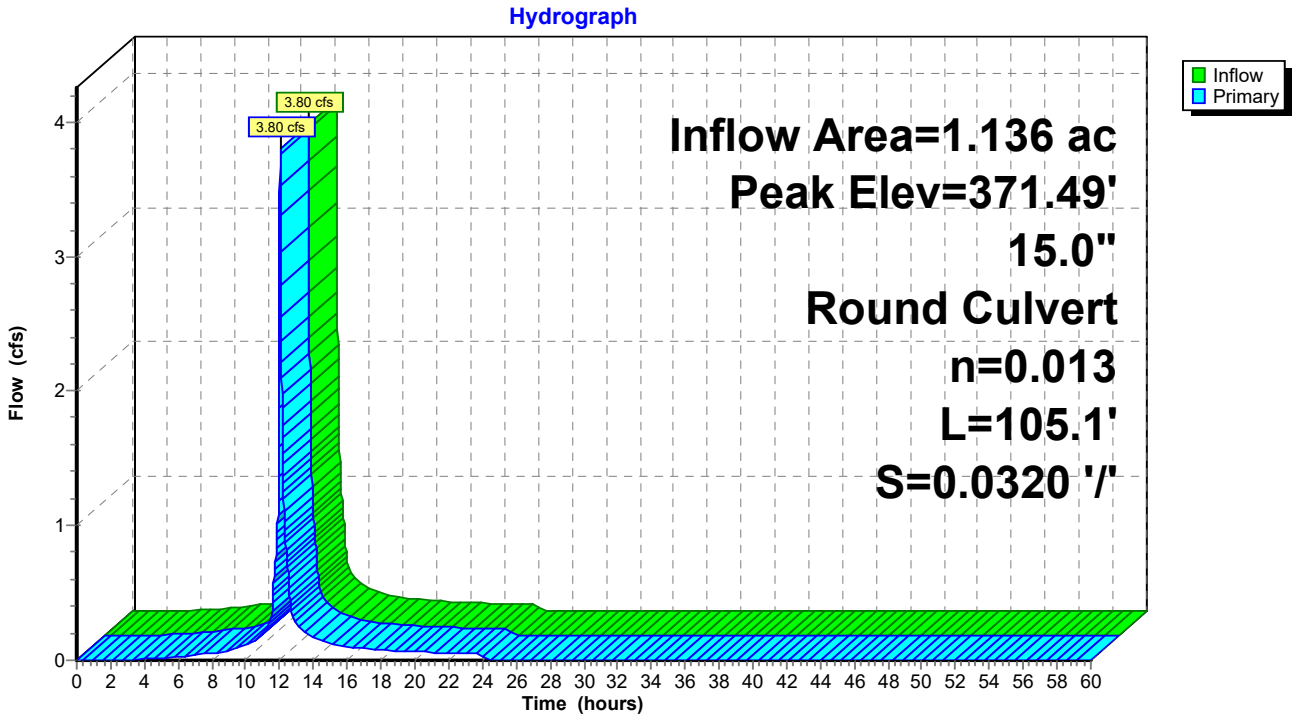
Inflow Area = 1.136 ac, 78.27% Impervious, Inflow Depth = 2.59" for 2-yr event
Inflow = 3.80 cfs @ 12.04 hrs, Volume= 0.245 af
Outflow = 3.80 cfs @ 12.04 hrs, Volume= 0.245 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.04 hrs, Volume= 0.245 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.49' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.20'	**15.0" Round Culvert** L= 105.1' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.20' / 366.84' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.79 cfs @ 12.04 hrs HW=371.49' TW=369.43' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.79 cfs @ 3.09 fps)

Pond 74P: CB36



Summary for Pond 75P: CB37

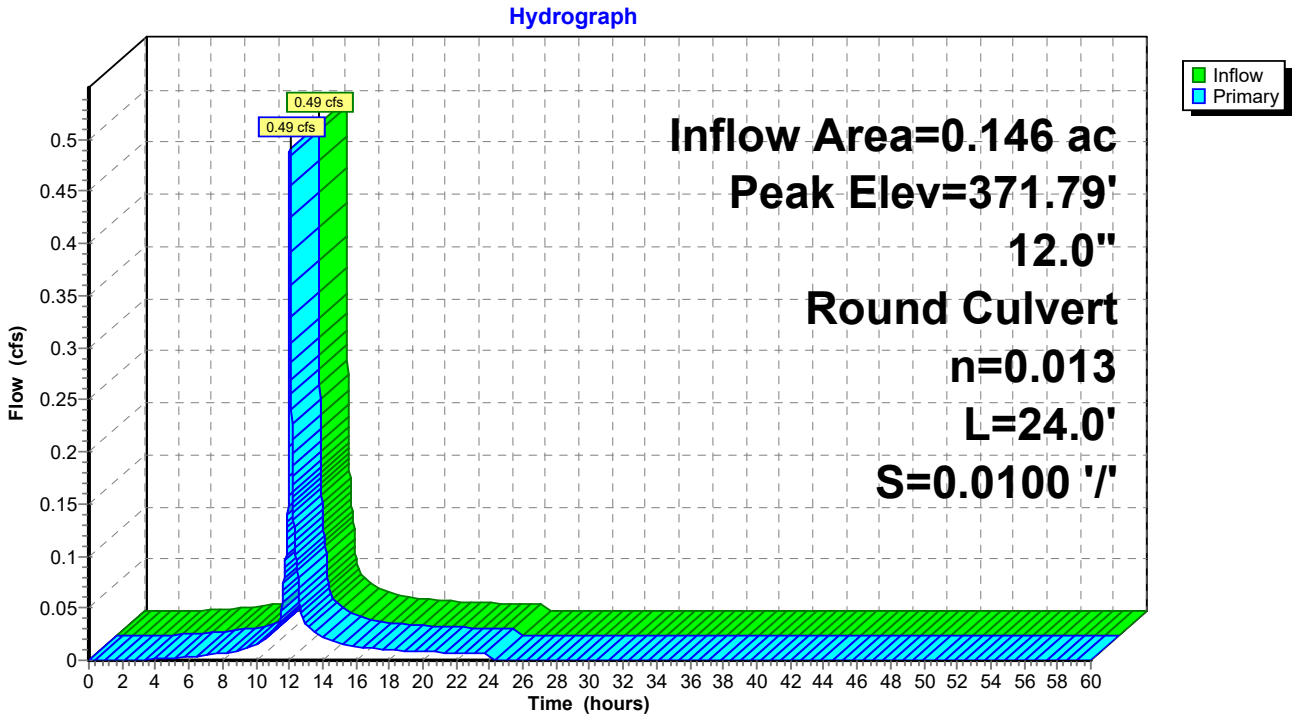
Inflow Area = 0.146 ac, 78.42% Impervious, Inflow Depth = 2.61" for 2-yr event
Inflow = 0.49 cfs @ 12.04 hrs, Volume= 0.032 af
Outflow = 0.49 cfs @ 12.04 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.49 cfs @ 12.04 hrs, Volume= 0.032 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.79' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.39'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.39' / 371.15' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.04 hrs HW=371.79' TW=371.49' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.49 cfs @ 2.48 fps)

Pond 75P: CB37



Summary for Pond 76P: CB34

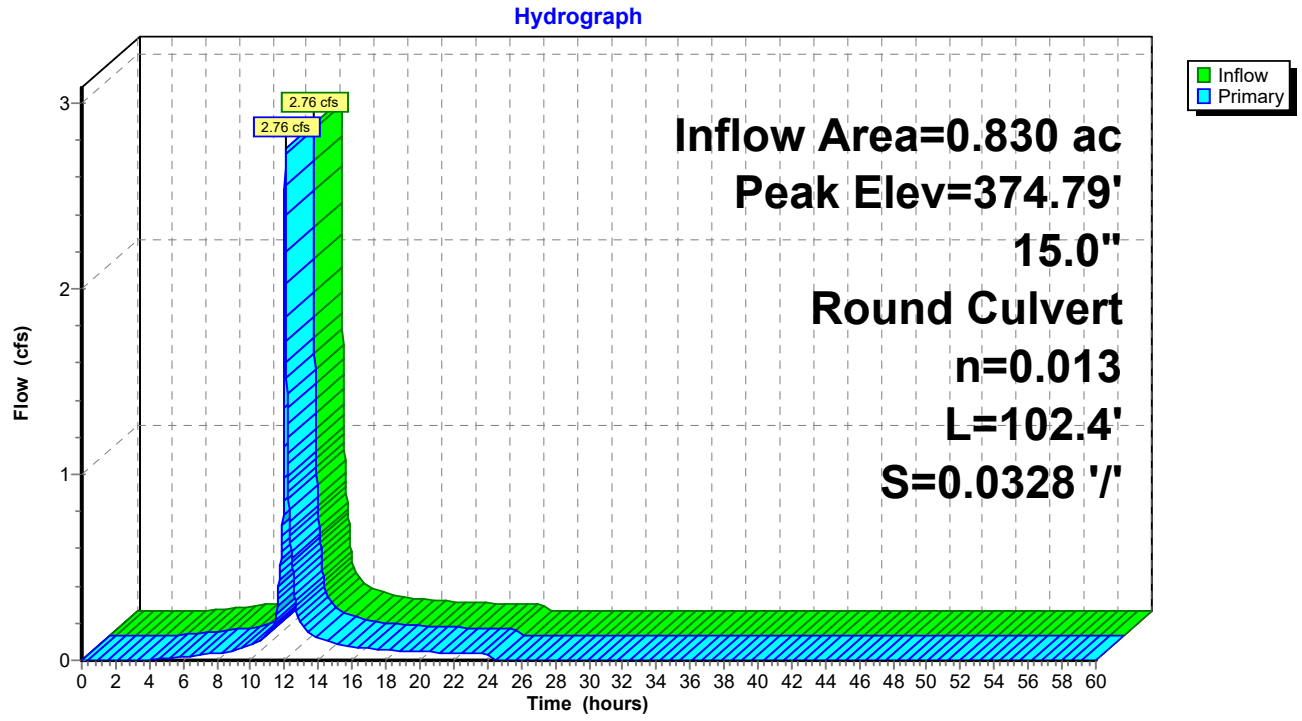
Inflow Area = 0.830 ac, 77.05% Impervious, Inflow Depth = 2.57" for 2-yr event
Inflow = 2.76 cfs @ 12.04 hrs, Volume= 0.177 af
Outflow = 2.76 cfs @ 12.04 hrs, Volume= 0.177 af, Atten= 0%, Lag= 0.0 min
Primary = 2.76 cfs @ 12.04 hrs, Volume= 0.177 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.79' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.81'	**15.0" Round Culvert** L= 102.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.81' / 370.45' S= 0.0328 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.75 cfs @ 12.04 hrs HW=374.79' TW=371.49' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.75 cfs @ 2.66 fps)

Pond 76P: CB34



Summary for Pond 78P: WQU1

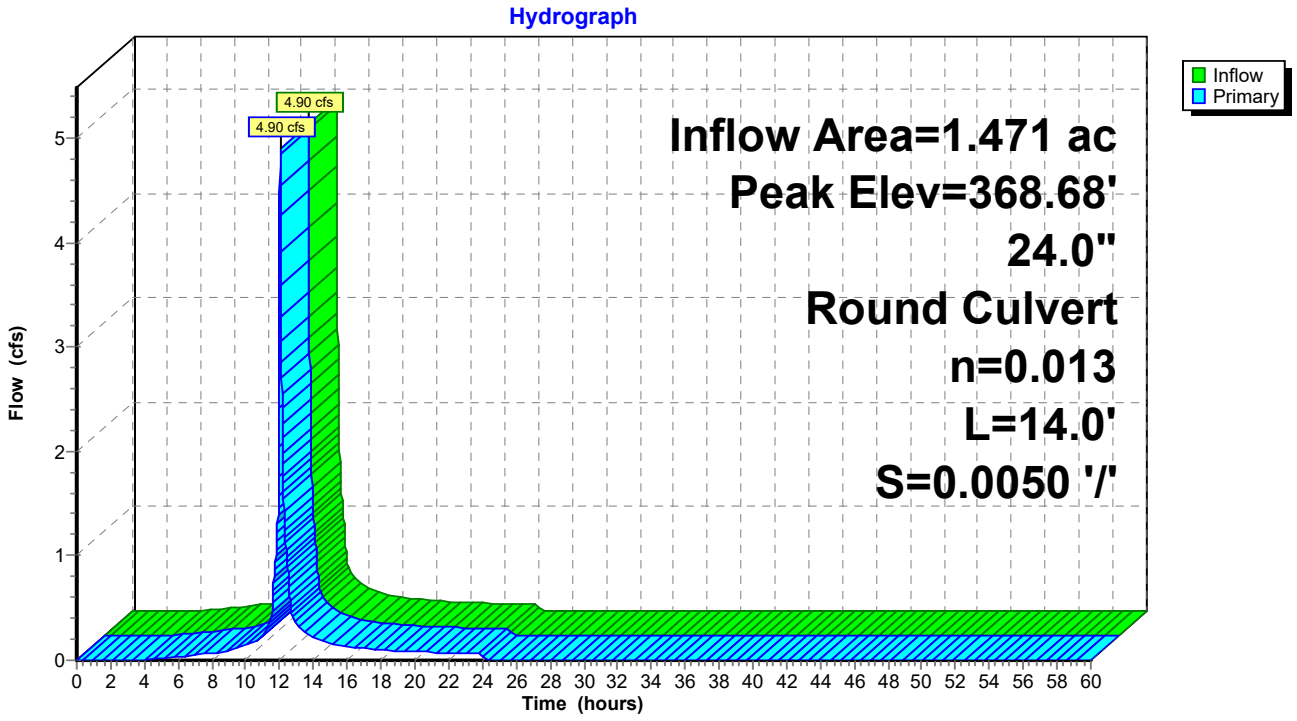
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 2.58" for 2-yr event
Inflow = 4.90 cfs @ 12.04 hrs, Volume= 0.316 af
Outflow = 4.90 cfs @ 12.04 hrs, Volume= 0.316 af, Atten= 0%, Lag= 0.0 min
Primary = 4.90 cfs @ 12.04 hrs, Volume= 0.316 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.68' @ 12.04 hrs
Flood Elev= 372.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.44'	**24.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.44' / 367.37' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.89 cfs @ 12.04 hrs HW=368.68' TW=367.26' (Dynamic Tailwater)
1=Culvert (Barrel Controls 4.89 cfs @ 3.42 fps)

Pond 78P: WQU1



Summary for Pond 79P: Underground Infiltration

Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 2.58" for 2-yr event
Inflow = 4.90 cfs @ 12.04 hrs, Volume= 0.316 af
Outflow = 0.49 cfs @ 12.67 hrs, Volume= 0.316 af, Atten= 90%, Lag= 38.1 min
Discarded = 0.49 cfs @ 12.67 hrs, Volume= 0.316 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.10' @ 12.67 hrs Surf.Area= 2,883 sf Storage= 4,273 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 58.8 min (859.7 - 801.0)

Volume	Invert	Avail.Storage	Storage Description
#1	367.37'	5,697 cf	**ADS_StormTech MC-3500 d +Cap**x 51 Inside #2 Effective Size= 70.4"W x 45.0"H => 15.33 sf x 7.17'L = 110.0 cf Overall Size= 77.0"W x 45.0"H x 7.50'L with 0.33' Overlap 3 Rows of 17 Chambers Cap Storage= +14.9 cf x 2 x 3 rows = 89.4 cf
#2	366.62'	10,160 cf	**Stone Bed (Prismatic)**Listed below (Recalc) 15,857 cf Overall - 5,697 cf Embedded = 10,160 cf
		15,857 cf	Total Available Storage

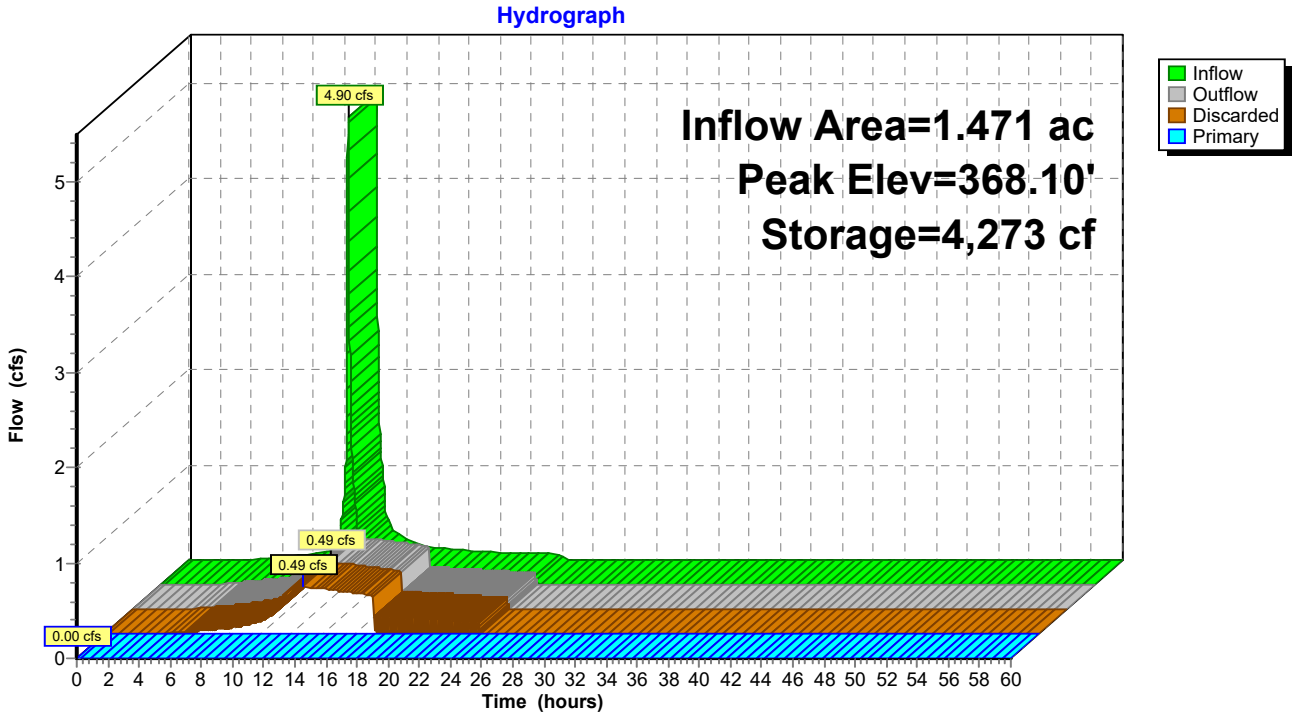
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
366.62	2,883	0	0
372.12	2,883	15,857	15,857

Device	Routing	Invert	Outlet Devices
#1	Discarded	366.62'	**6.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 360.00'
#2	Primary	370.12'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.12' / 366.80' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.49 cfs @ 12.67 hrs HW=368.10' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.49 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=366.62' TW=362.31' (Dynamic Tailwater)
↑—**2=Culvert** (Controls 0.00 cfs)

Pond 79P: Underground Infiltration



Summary for Pond 80P: CB35

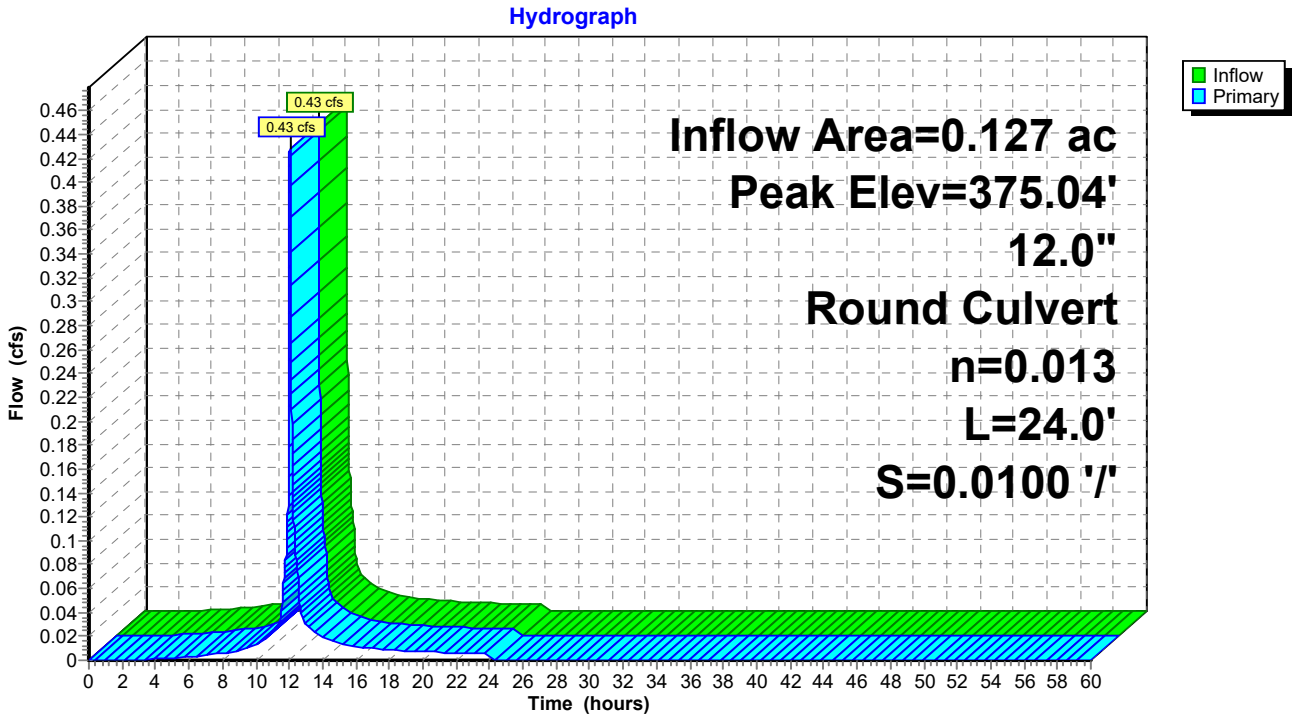
Inflow Area = 0.127 ac, 78.18% Impervious, Inflow Depth = 2.61" for 2-yr event
Inflow = 0.43 cfs @ 12.04 hrs, Volume= 0.028 af
Outflow = 0.43 cfs @ 12.04 hrs, Volume= 0.028 af, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.04 hrs, Volume= 0.028 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.04' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.65'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.65' / 374.41' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.04 hrs HW=375.04' TW=374.79' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.43 cfs @ 2.24 fps)

Pond 80P: CB35



Summary for Pond 81P: CB32

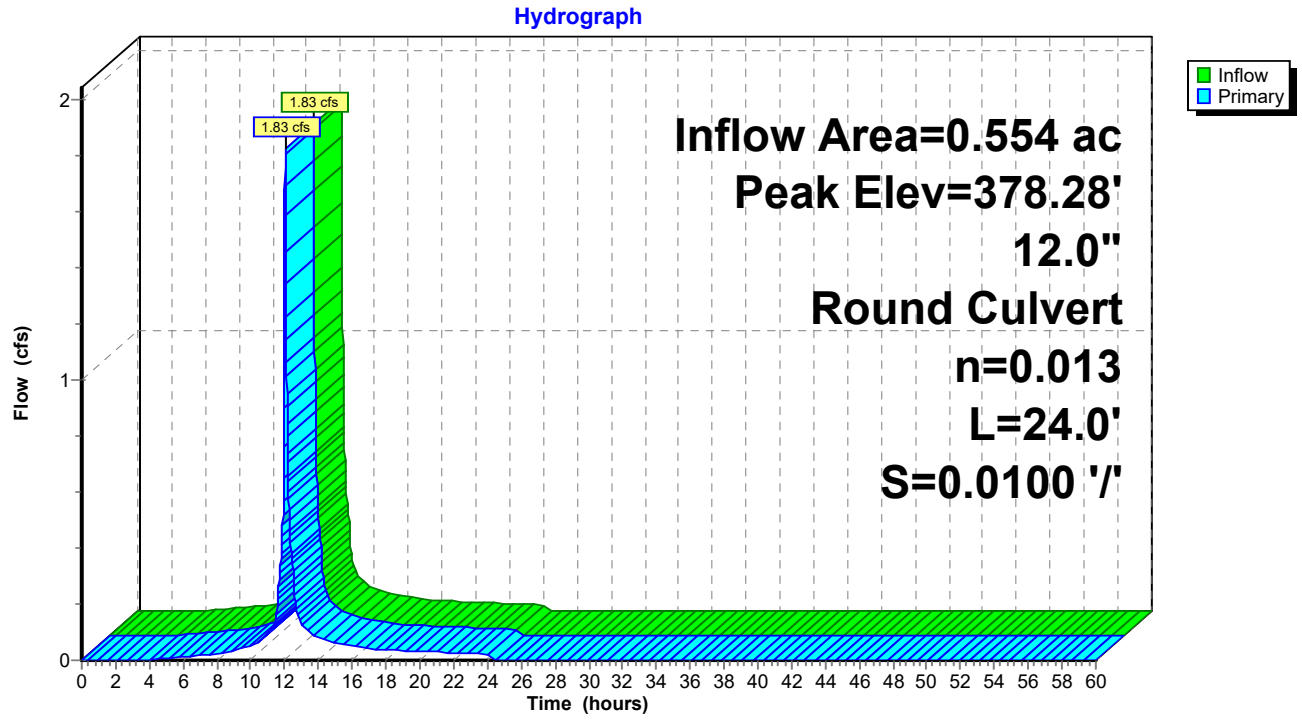
Inflow Area = 0.554 ac, 76.46% Impervious, Inflow Depth = 2.54" for 2-yr event
Inflow = 1.83 cfs @ 12.04 hrs, Volume= 0.118 af
Outflow = 1.83 cfs @ 12.04 hrs, Volume= 0.118 af, Atten= 0%, Lag= 0.0 min
Primary = 1.83 cfs @ 12.04 hrs, Volume= 0.118 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.28' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.41'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.41' / 377.17' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.82 cfs @ 12.04 hrs HW=378.28' TW=374.79' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.82 cfs @ 2.51 fps)

Pond 81P: CB32



Summary for Pond 82P: CB33

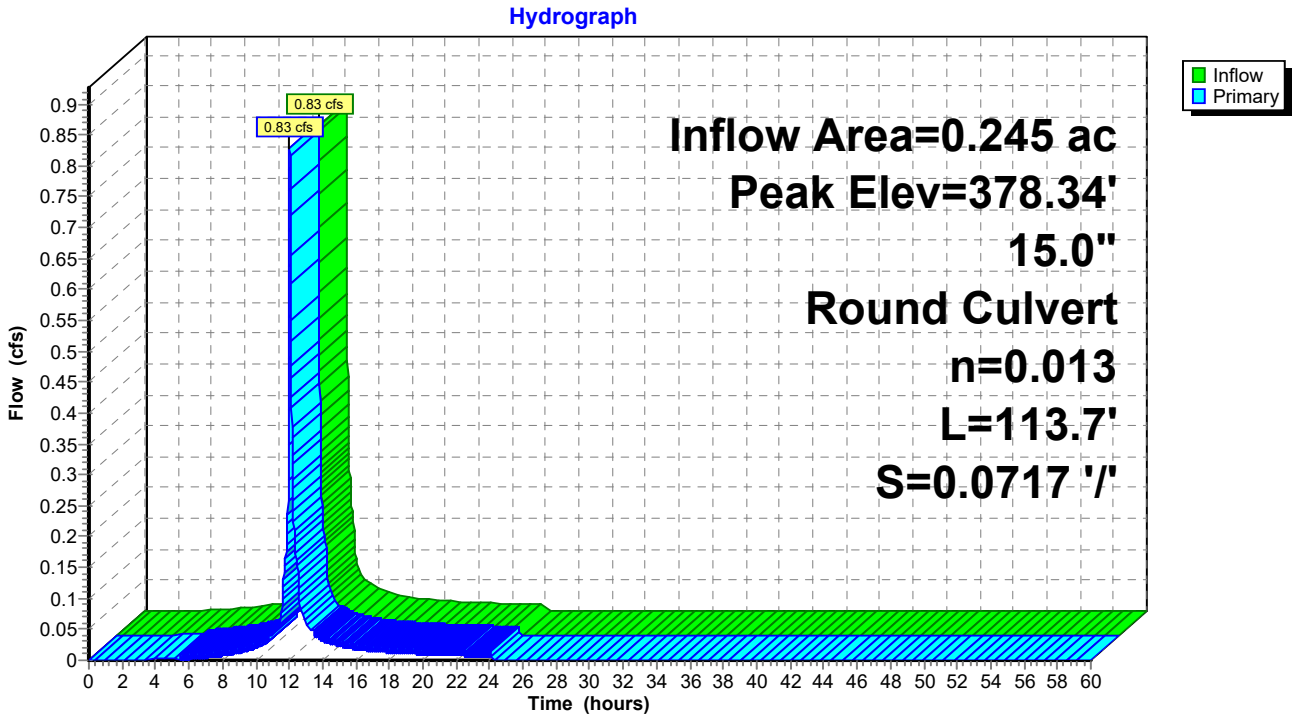
Inflow Area = 0.245 ac, 79.74% Impervious, Inflow Depth = 2.61" for 2-yr event
Inflow = 0.83 cfs @ 12.04 hrs, Volume= 0.053 af
Outflow = 0.83 cfs @ 12.03 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.03 hrs, Volume= 0.053 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.34' @ 12.03 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.17'	**15.0" Round Culvert** L= 113.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.17' / 369.02' S= 0.0717 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.82 cfs @ 12.03 hrs HW=378.33' TW=378.28' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.82 cfs @ 0.90 fps)

Pond 82P: CB33



Summary for Pond 84P: CB42

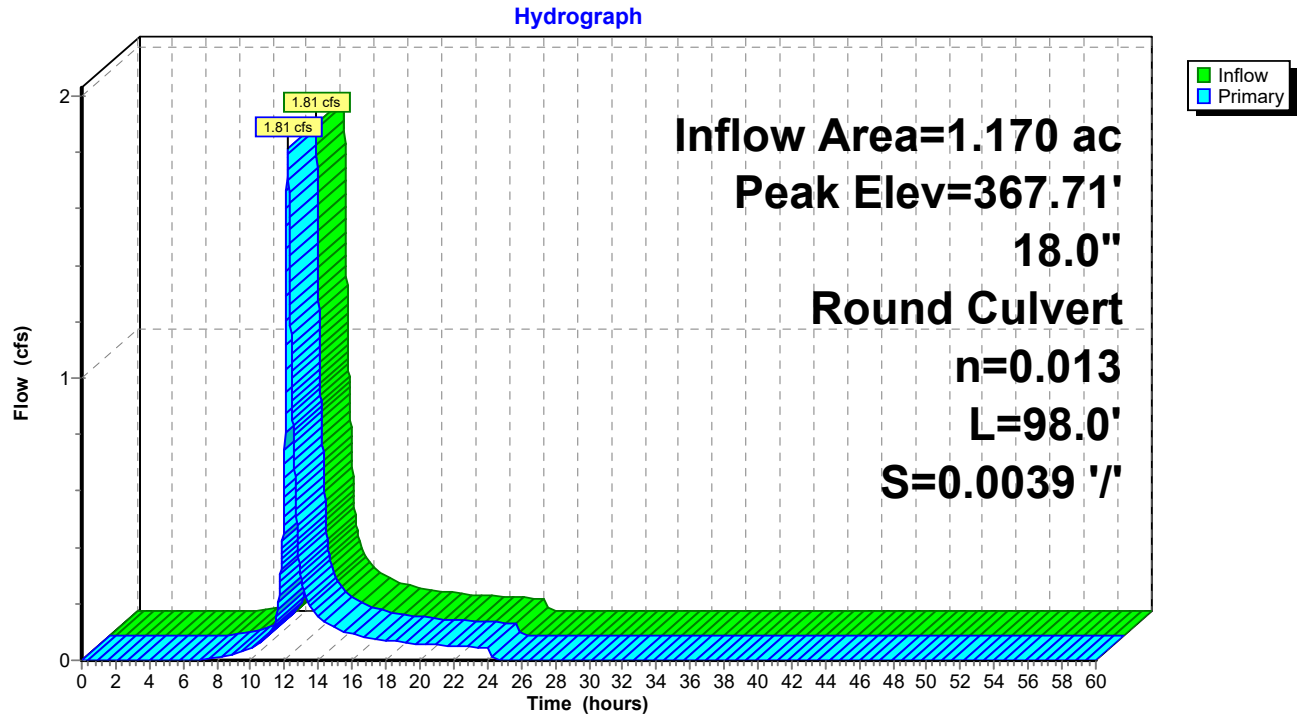
Inflow Area = 1.170 ac, 40.77% Impervious, Inflow Depth = 1.83" for 2-yr event
Inflow = 1.81 cfs @ 12.19 hrs, Volume= 0.178 af
Outflow = 1.81 cfs @ 12.19 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 1.81 cfs @ 12.19 hrs, Volume= 0.178 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.71' @ 12.19 hrs
Flood Elev= 369.60'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.95'	**18.0" Round Culvert** L= 98.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.95' / 366.57' S= 0.0039 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.81 cfs @ 12.19 hrs HW=367.71' TW=367.08' (Dynamic Tailwater)
1=Culvert (Barrel Controls 1.81 cfs @ 2.95 fps)

Pond 84P: CB42



Summary for Pond 85P: CB5

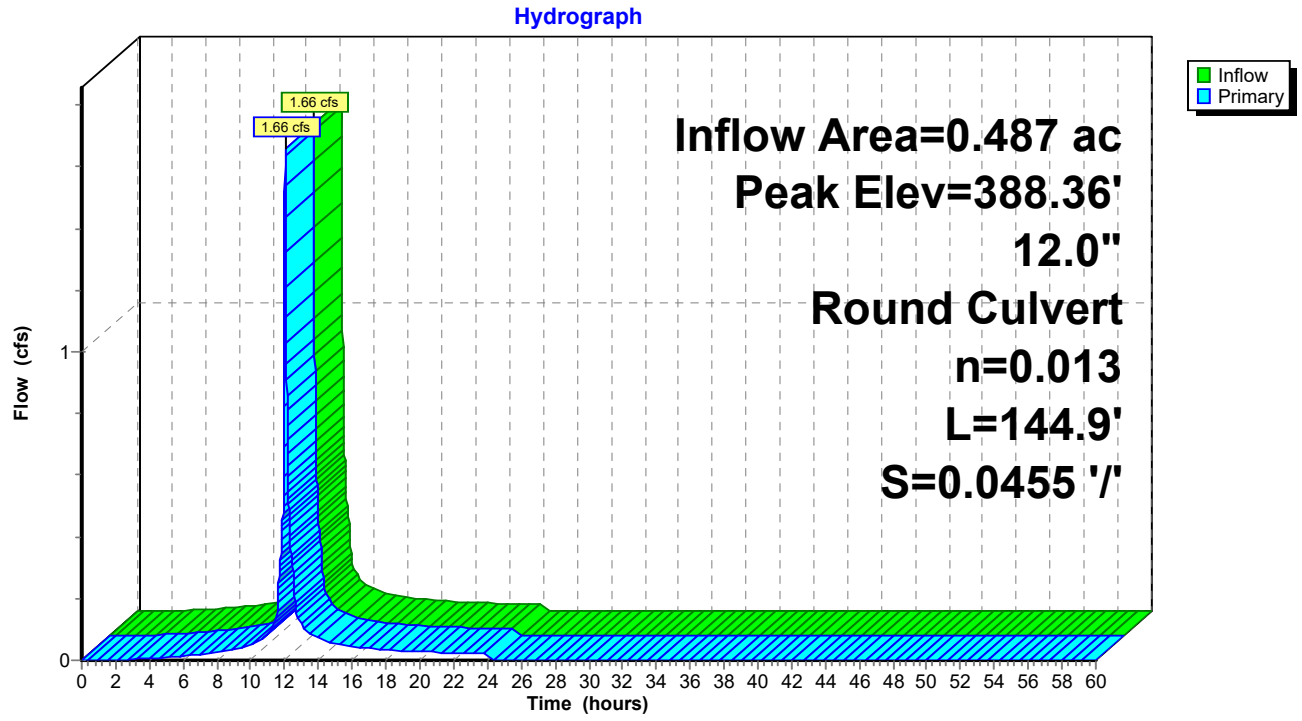
Inflow Area = 0.487 ac, 81.97% Impervious, Inflow Depth = 2.68" for 2-yr event
Inflow = 1.66 cfs @ 12.04 hrs, Volume= 0.109 af
Outflow = 1.66 cfs @ 12.04 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min
Primary = 1.66 cfs @ 12.04 hrs, Volume= 0.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.36' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.55'	**12.0" Round Culvert** L= 144.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.55' / 380.95' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.66 cfs @ 12.04 hrs HW=388.36' TW=382.04' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.66 cfs @ 2.42 fps)

Pond 85P: CB5



Summary for Pond 86P: CB4

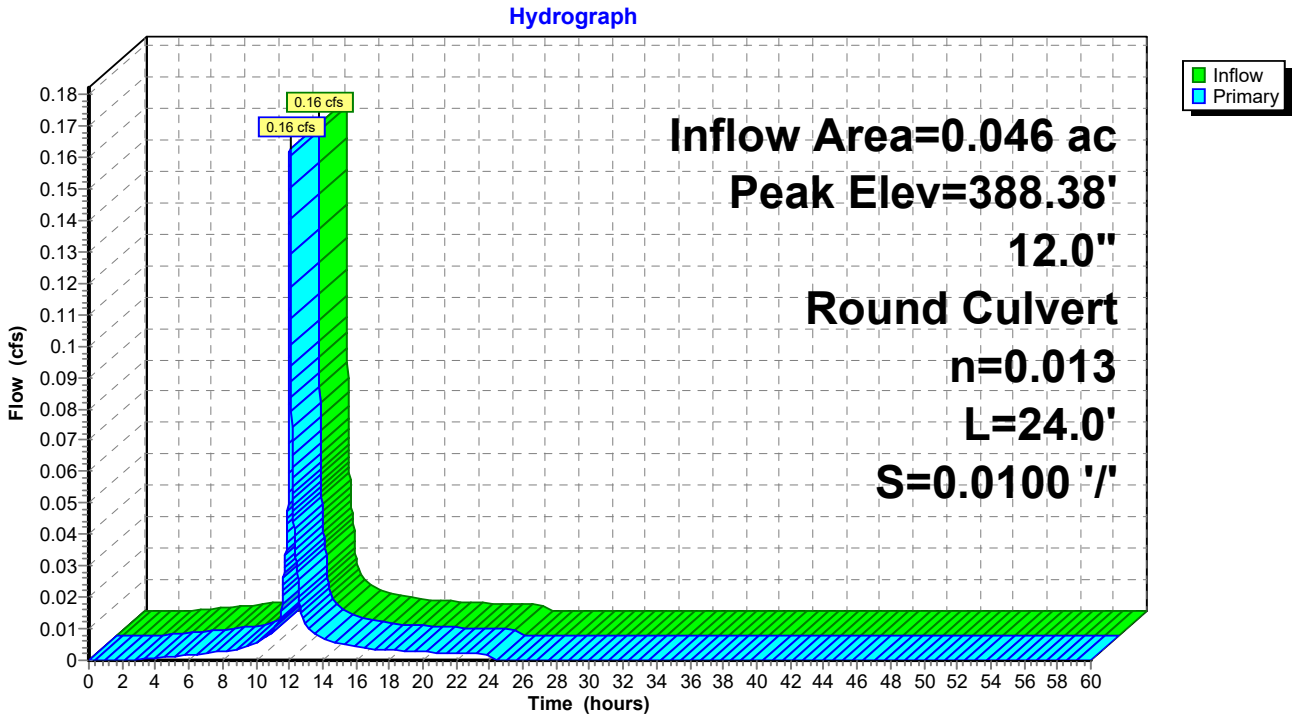
Inflow Area = 0.046 ac, 86.01% Impervious, Inflow Depth = 2.81" for 2-yr event
Inflow = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af
Outflow = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Primary = 0.16 cfs @ 12.04 hrs, Volume= 0.011 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.38' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.79'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.79' / 387.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.16 cfs @ 12.04 hrs HW=388.37' TW=388.36' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.16 cfs @ 0.49 fps)

Pond 86P: CB4



Summary for Pond 87P: CB6

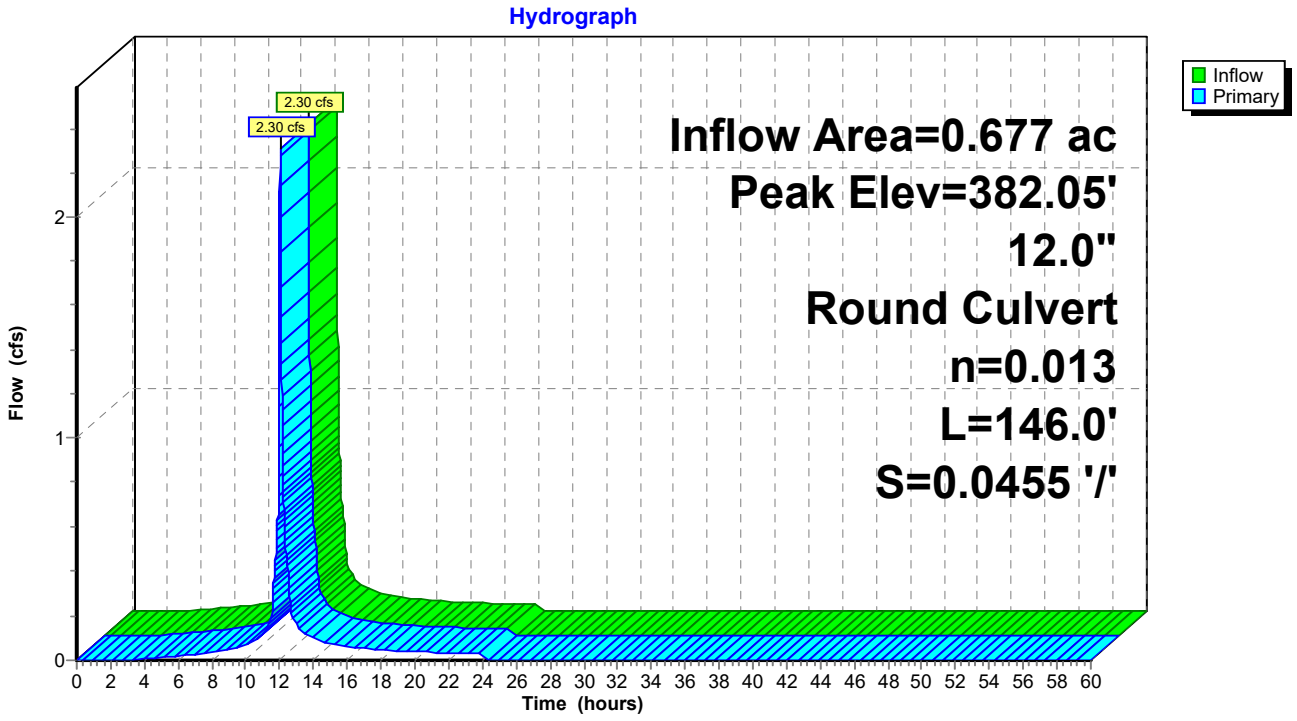
Inflow Area = 0.677 ac, 81.52% Impervious, Inflow Depth = 2.66" for 2-yr event
Inflow = 2.30 cfs @ 12.04 hrs, Volume= 0.150 af
Outflow = 2.30 cfs @ 12.04 hrs, Volume= 0.150 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.04 hrs, Volume= 0.150 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 382.05' @ 12.04 hrs
Flood Elev= 385.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.95'	**12.0" Round Culvert** L= 146.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.95' / 374.31' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.30 cfs @ 12.04 hrs HW=382.04' TW=375.76' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.30 cfs @ 2.92 fps)

Pond 87P: CB6



Summary for Pond 88P: CB31

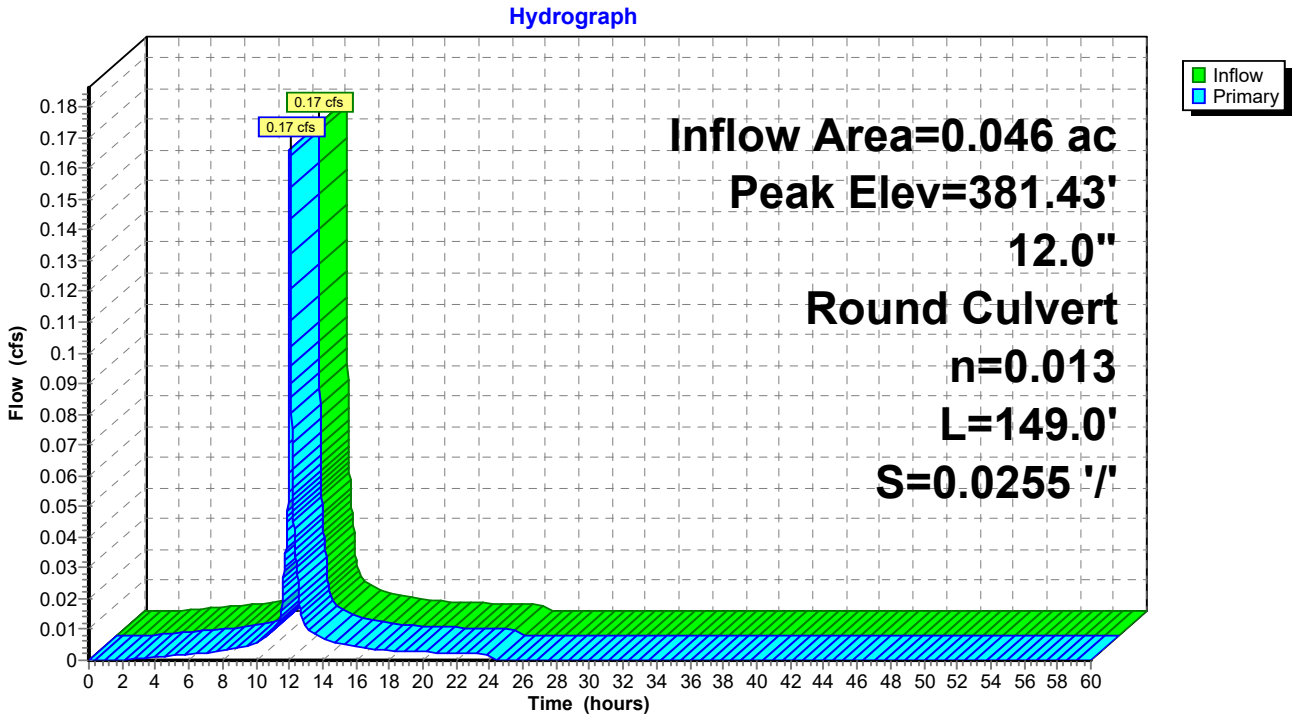
Inflow Area = 0.046 ac, 89.62% Impervious, Inflow Depth = 2.92" for 2-yr event
Inflow = 0.17 cfs @ 12.04 hrs, Volume= 0.011 af
Outflow = 0.17 cfs @ 12.04 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.04 hrs, Volume= 0.011 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.43' @ 12.04 hrs
Flood Elev= 385.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	381.21'	**12.0" Round Culvert** L= 149.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 381.21' / 377.41' S= 0.0255 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.17 cfs @ 12.04 hrs HW=381.43' TW=378.28' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.17 cfs @ 1.27 fps)

Pond 88P: CB31



Summary for Pond 89P: CB7

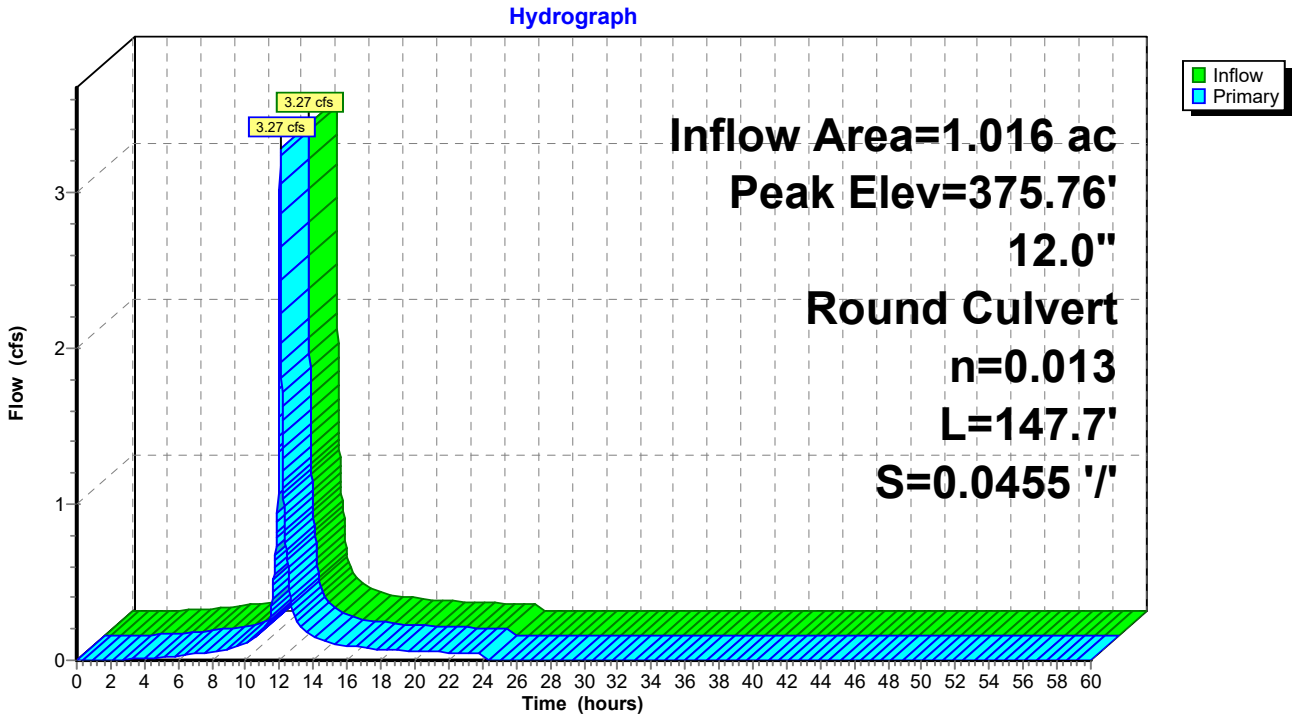
Inflow Area = 1.016 ac, 82.65% Impervious, Inflow Depth = 2.69" for 2-yr event
Inflow = 3.27 cfs @ 12.04 hrs, Volume= 0.228 af
Outflow = 3.27 cfs @ 12.04 hrs, Volume= 0.228 af, Atten= 0%, Lag= 0.0 min
Primary = 3.27 cfs @ 12.04 hrs, Volume= 0.228 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.76' @ 12.04 hrs
Flood Elev= 378.39'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.06'	**12.0" Round Culvert** L= 147.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.06' / 367.34' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.27 cfs @ 12.04 hrs HW=375.76' TW=368.81' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.27 cfs @ 4.16 fps)

Pond 89P: CB7



Summary for Pond 90P: CB48

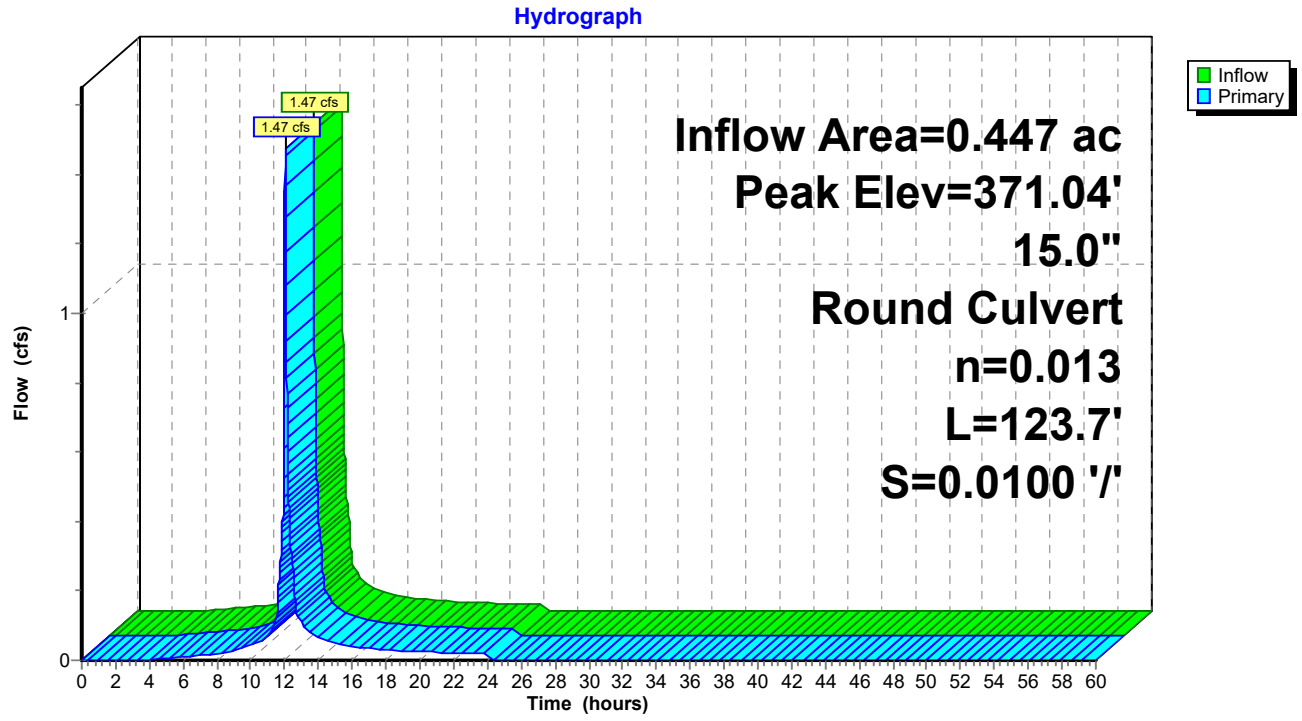
Inflow Area = 0.447 ac, 77.02% Impervious, Inflow Depth = 2.54" for 2-yr event
Inflow = 1.47 cfs @ 12.04 hrs, Volume= 0.094 af
Outflow = 1.47 cfs @ 12.04 hrs, Volume= 0.094 af, Atten= 0%, Lag= 0.0 min
Primary = 1.47 cfs @ 12.04 hrs, Volume= 0.094 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.04' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.37'	**15.0" Round Culvert** L= 123.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.37' / 369.13' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.47 cfs @ 12.04 hrs HW=371.04' TW=369.69' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.47 cfs @ 2.20 fps)

Pond 90P: CB48



Summary for Pond 92P: CB8

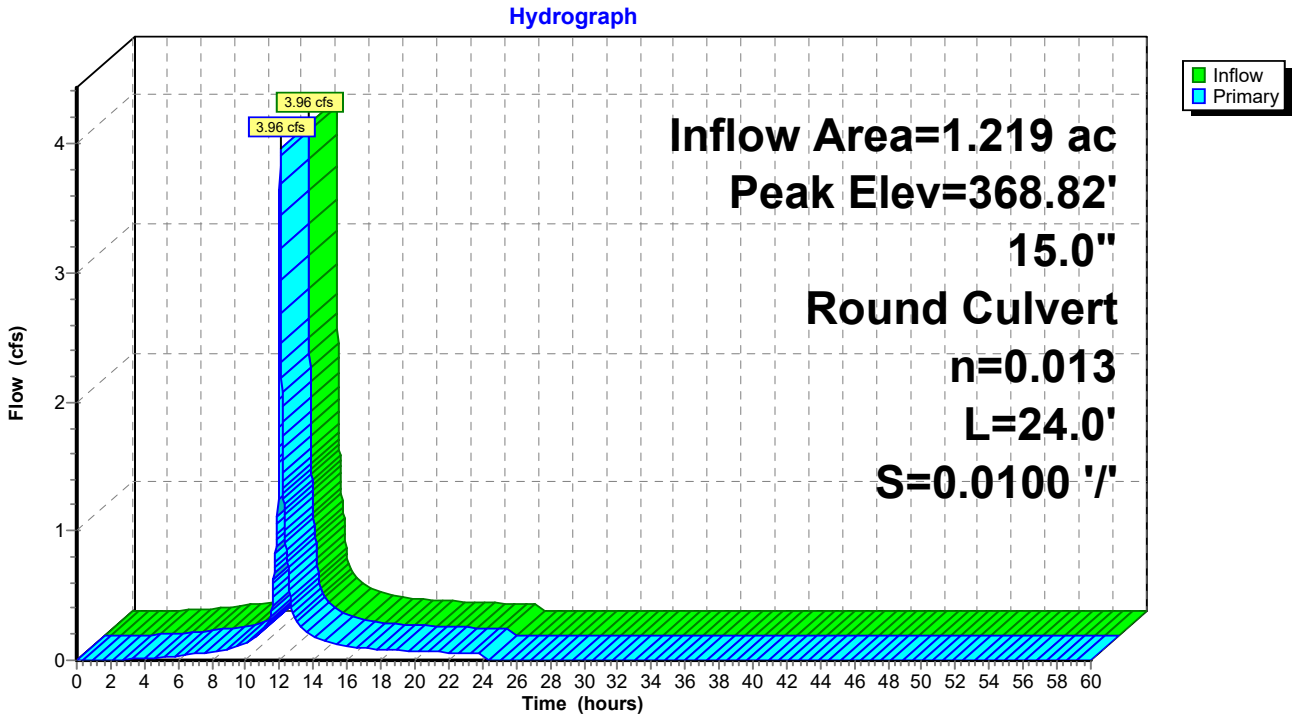
Inflow Area = 1.219 ac, 82.19% Impervious, Inflow Depth = 2.68" for 2-yr event
Inflow = 3.96 cfs @ 12.04 hrs, Volume= 0.272 af
Outflow = 3.96 cfs @ 12.04 hrs, Volume= 0.272 af, Atten= 0%, Lag= 0.0 min
Primary = 3.96 cfs @ 12.04 hrs, Volume= 0.272 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.82' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.34'	**15.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.34' / 367.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.95 cfs @ 12.04 hrs HW=368.81' TW=368.10' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.95 cfs @ 3.22 fps)

Pond 92P: CB8



Summary for Pond 93P: CB9

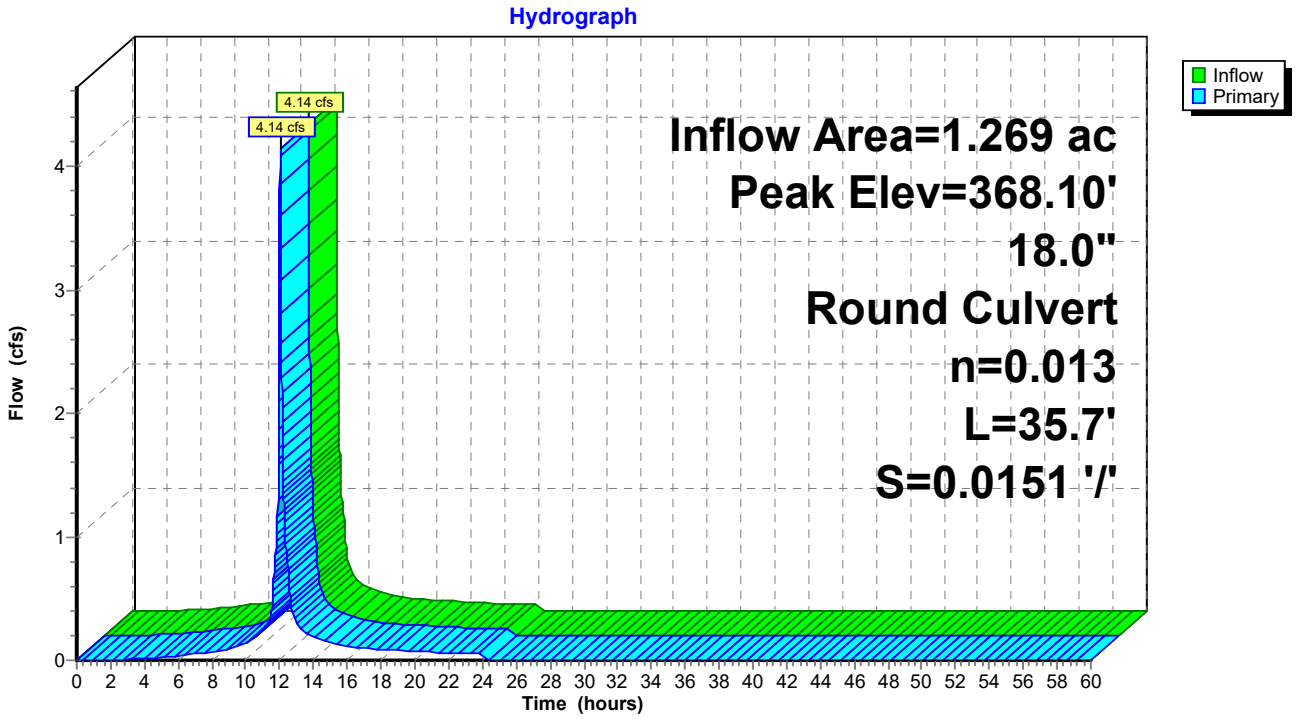
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 2.69" for 2-yr event
Inflow = 4.14 cfs @ 12.04 hrs, Volume= 0.284 af
Outflow = 4.14 cfs @ 12.04 hrs, Volume= 0.284 af, Atten= 0%, Lag= 0.0 min
Primary = 4.14 cfs @ 12.04 hrs, Volume= 0.284 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.10' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.97'	**18.0" Round Culvert** L= 35.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 366.97' / 366.43' S= 0.0151 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.13 cfs @ 12.04 hrs HW=368.10' TW=367.57' (Dynamic Tailwater)
1=Culvert (Outlet Controls 4.13 cfs @ 4.03 fps)

Pond 93P: CB9



Summary for Pond 95P: CB49

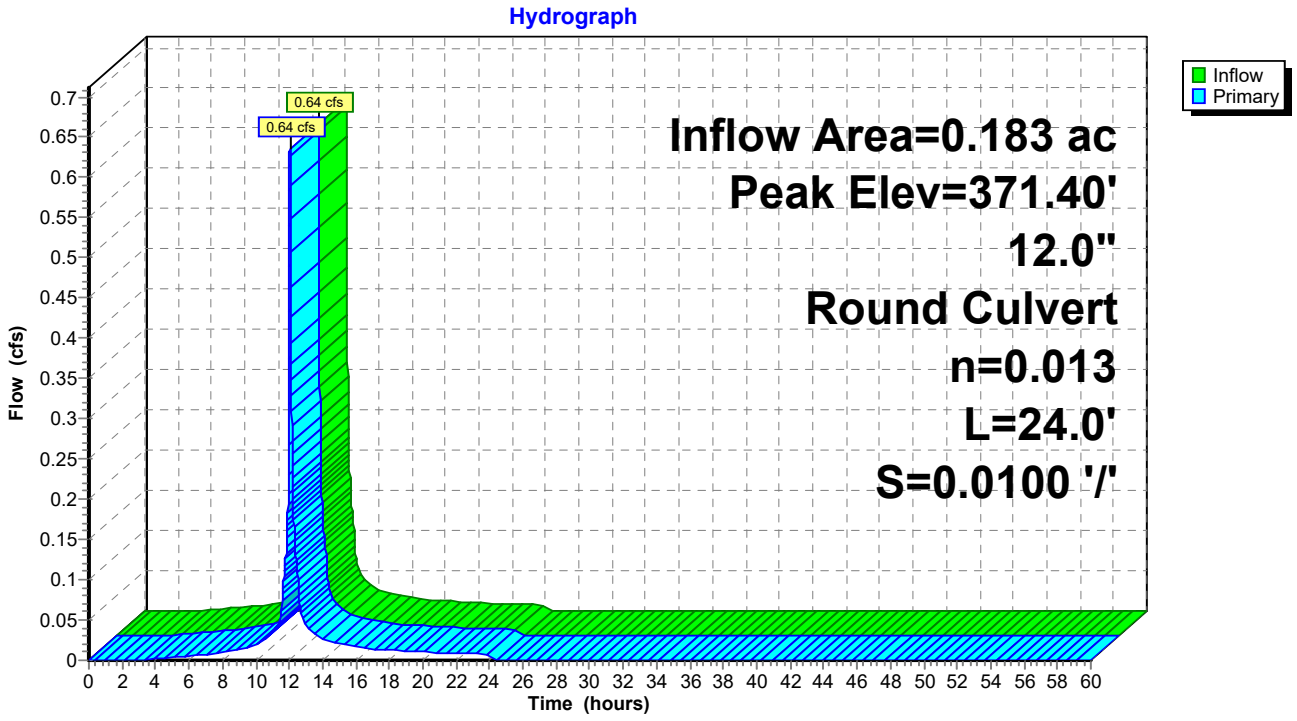
Inflow Area = 0.183 ac, 85.26% Impervious, Inflow Depth = 2.71" for 2-yr event
Inflow = 0.64 cfs @ 12.04 hrs, Volume= 0.041 af
Outflow = 0.64 cfs @ 12.04 hrs, Volume= 0.041 af, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.04 hrs, Volume= 0.041 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.40' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.94'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.94' / 370.70' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.63 cfs @ 12.04 hrs HW=371.40' TW=371.04' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.63 cfs @ 1.82 fps)

Pond 95P: CB49



Summary for Pond 96P: CB50

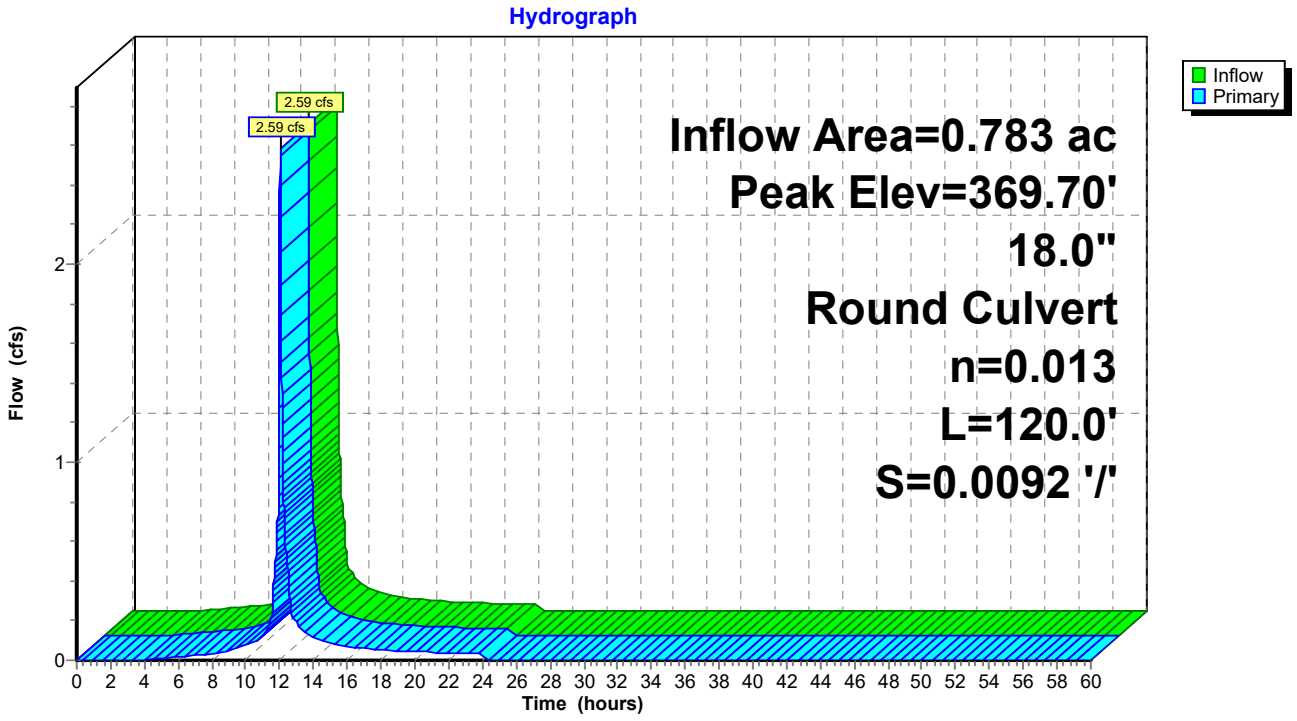
Inflow Area = 0.783 ac, 76.95% Impervious, Inflow Depth = 2.55" for 2-yr event
Inflow = 2.59 cfs @ 12.04 hrs, Volume= 0.166 af
Outflow = 2.59 cfs @ 12.04 hrs, Volume= 0.166 af, Atten= 0%, Lag= 0.0 min
Primary = 2.59 cfs @ 12.04 hrs, Volume= 0.166 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.70' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.84'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.84' / 367.74' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.58 cfs @ 12.04 hrs HW=369.69' TW=368.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.58 cfs @ 2.48 fps)

Pond 96P: CB50



Summary for Pond 97P: CB51

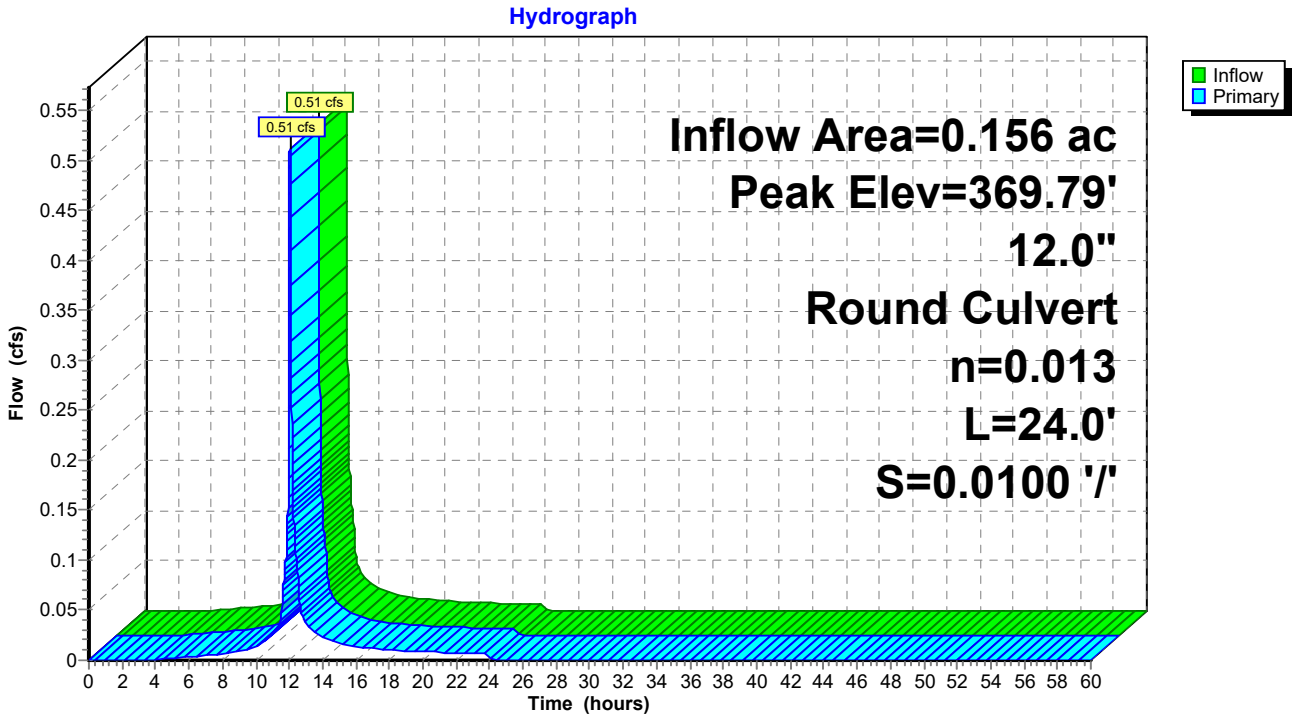
Inflow Area = 0.156 ac, 76.35% Impervious, Inflow Depth = 2.51" for 2-yr event
Inflow = 0.51 cfs @ 12.04 hrs, Volume= 0.033 af
Outflow = 0.51 cfs @ 12.04 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.51 cfs @ 12.04 hrs, Volume= 0.033 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.79' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.18'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.18' / 368.94' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.51 cfs @ 12.04 hrs HW=369.79' TW=369.69' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.51 cfs @ 1.47 fps)

Pond 97P: CB51



Summary for Pond 98P: CB52

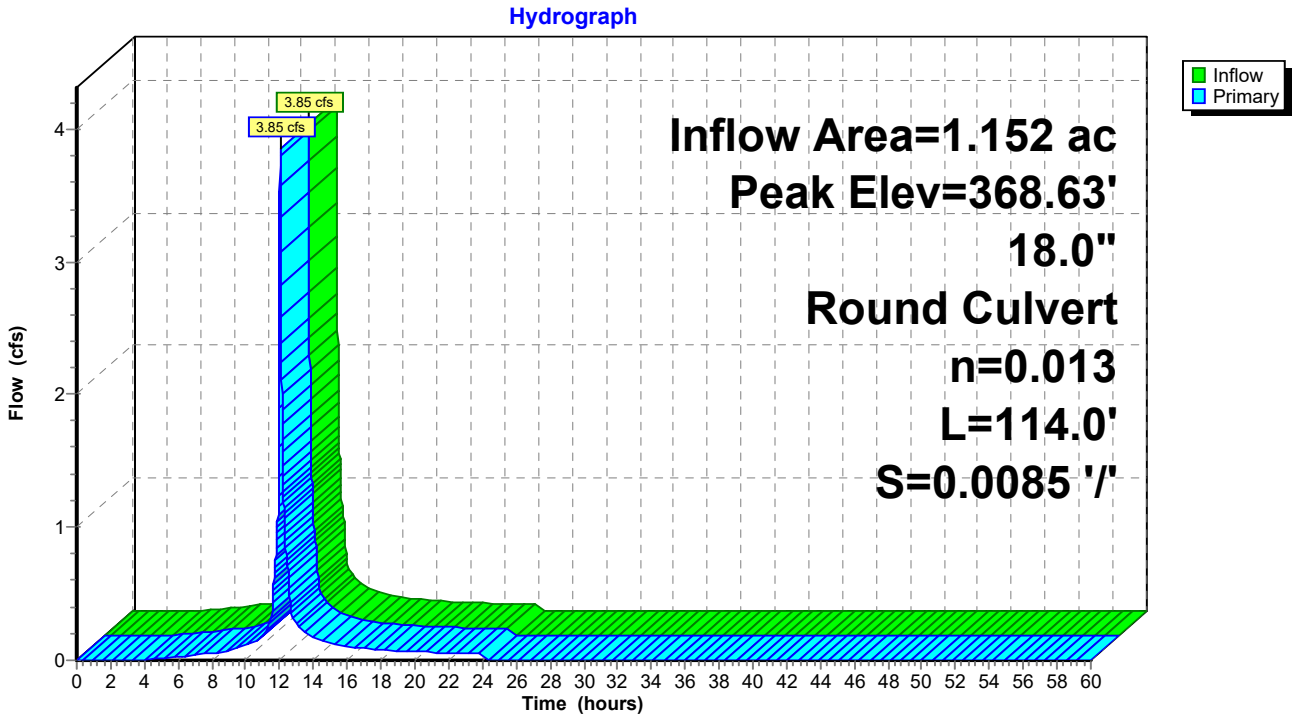
Inflow Area = 1.152 ac, 78.34% Impervious, Inflow Depth = 2.58" for 2-yr event
Inflow = 3.85 cfs @ 12.04 hrs, Volume= 0.248 af
Outflow = 3.85 cfs @ 12.04 hrs, Volume= 0.248 af, Atten= 0%, Lag= 0.0 min
Primary = 3.85 cfs @ 12.04 hrs, Volume= 0.248 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.63' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.54'	**18.0" Round Culvert** L= 114.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.54' / 366.57' S= 0.0085 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.84 cfs @ 12.04 hrs HW=368.63' TW=367.35' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.84 cfs @ 2.80 fps)

Pond 98P: CB52



Summary for Pond 99P: CB53

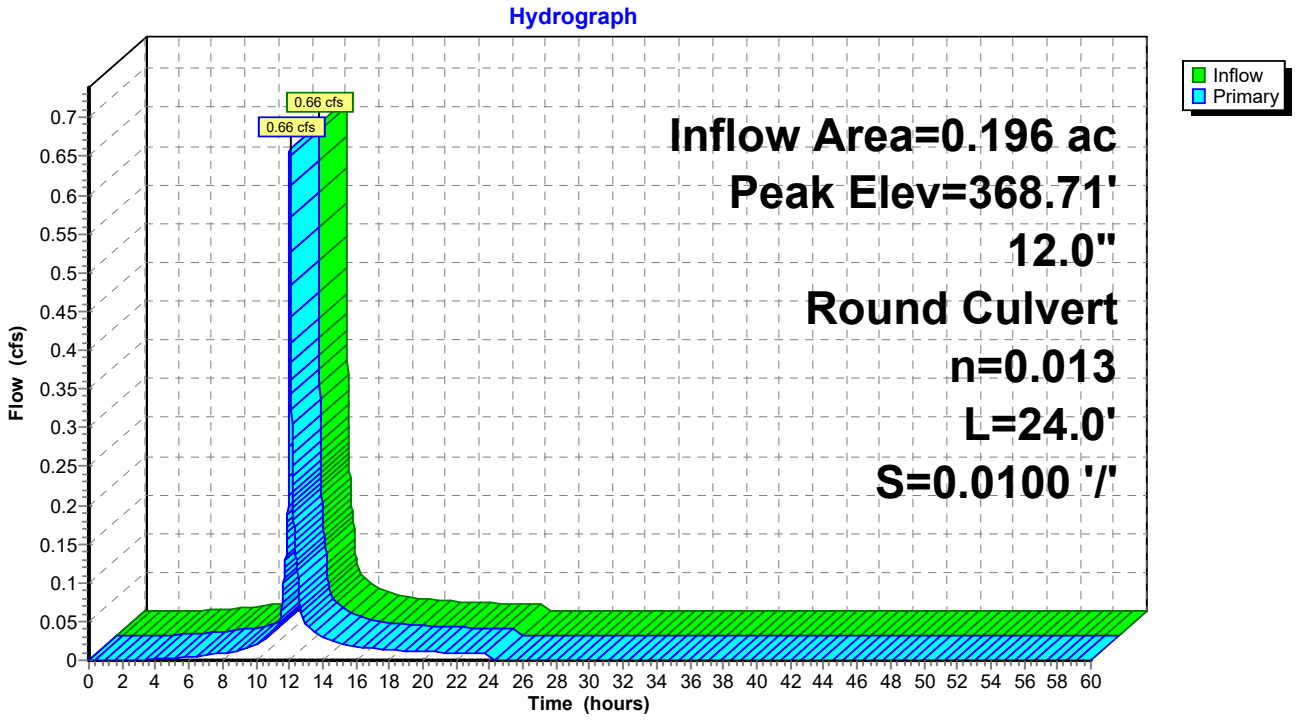
Inflow Area = 0.196 ac, 78.50% Impervious, Inflow Depth = 2.61" for 2-yr event
Inflow = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af
Outflow = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.04 hrs, Volume= 0.043 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.71' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.71' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.66 cfs @ 12.04 hrs HW=368.71' TW=368.63' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.66 cfs @ 1.43 fps)

Pond 99P: CB53



Summary for Pond 100P: CB54

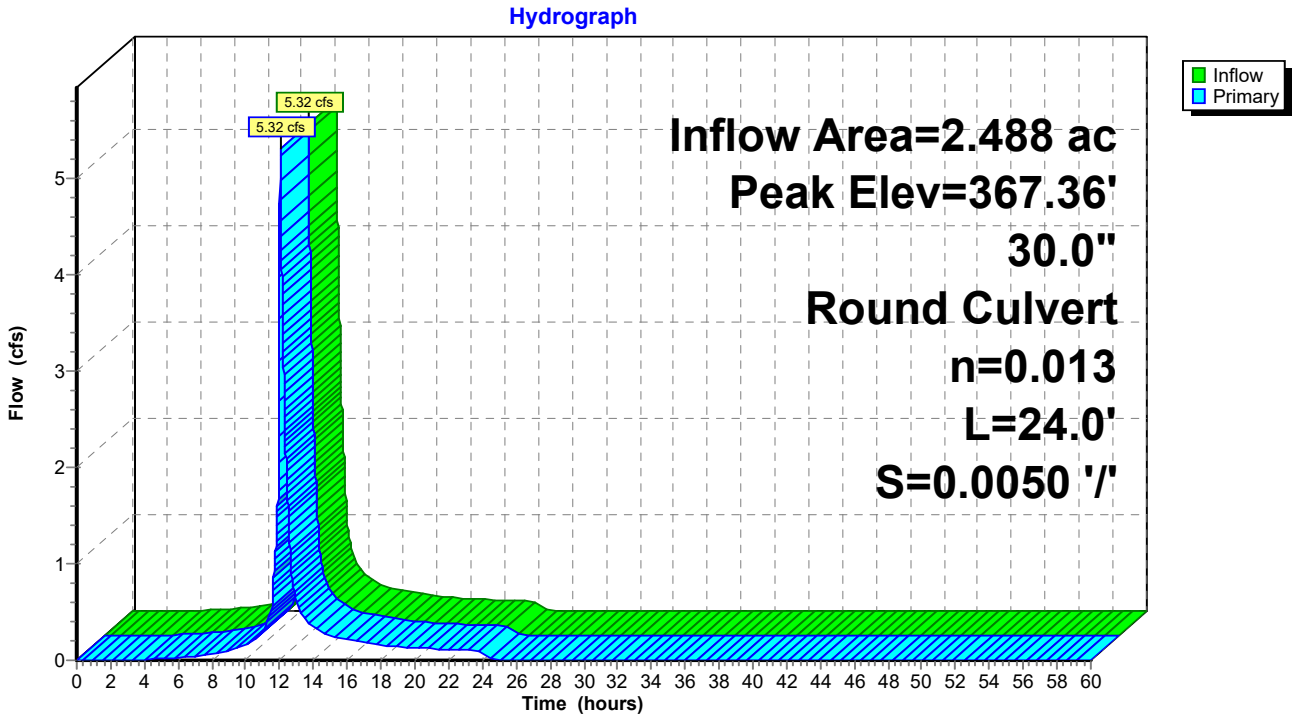
Inflow Area = 2.488 ac, 59.99% Impervious, Inflow Depth = 2.21" for 2-yr event
Inflow = 5.32 cfs @ 12.04 hrs, Volume= 0.458 af
Outflow = 5.32 cfs @ 12.04 hrs, Volume= 0.458 af, Atten= 0%, Lag= 0.0 min
Primary = 5.32 cfs @ 12.04 hrs, Volume= 0.458 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.36' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.07'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.07' / 365.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=5.30 cfs @ 12.04 hrs HW=367.36' TW=367.04' (Dynamic Tailwater)
1=Culvert (Outlet Controls 5.30 cfs @ 3.03 fps)

Pond 100P: CB54



Summary for Pond 101P: CB55

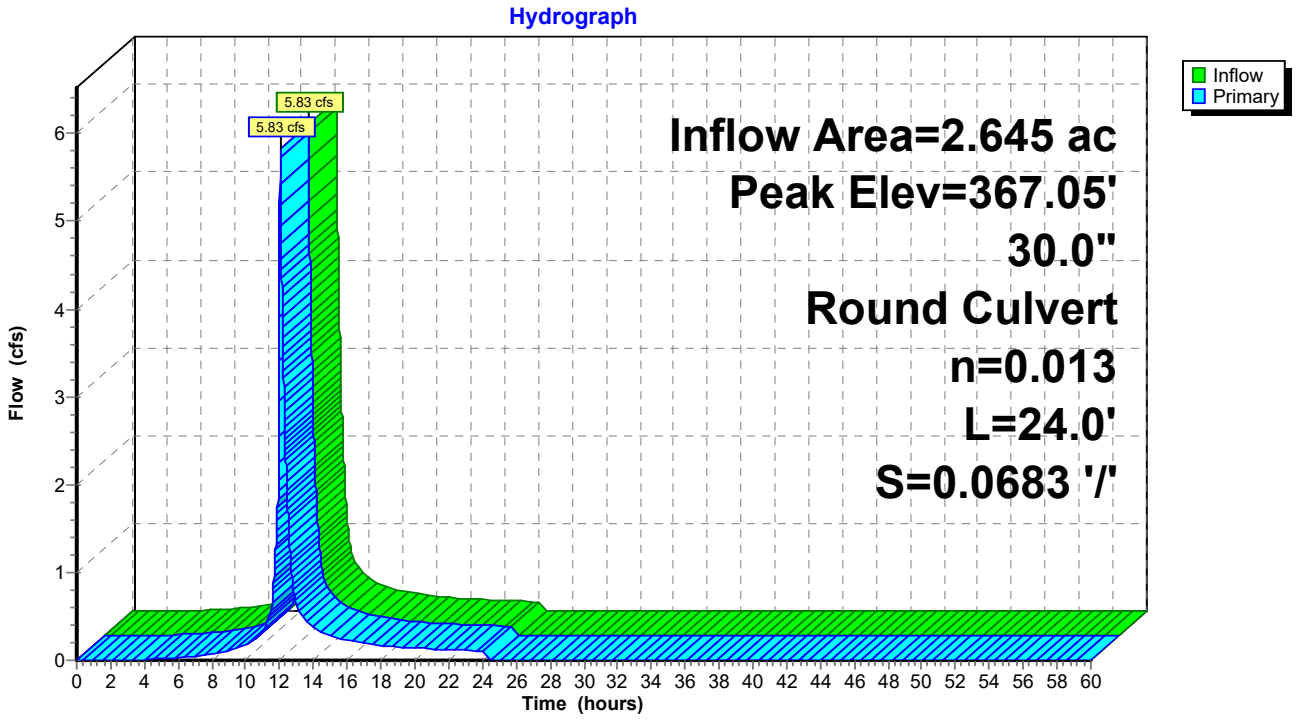
Inflow Area = 2.645 ac, 60.98% Impervious, Inflow Depth = 2.23" for 2-yr event
Inflow = 5.83 cfs @ 12.04 hrs, Volume= 0.491 af
Outflow = 5.83 cfs @ 12.04 hrs, Volume= 0.491 af, Atten= 0%, Lag= 0.0 min
Primary = 5.83 cfs @ 12.04 hrs, Volume= 0.491 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.05' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	365.95'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 365.95' / 364.31' S= 0.0683 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=5.81 cfs @ 12.04 hrs HW=367.04' TW=365.30' (Dynamic Tailwater)
↳**1=Culvert** (Inlet Controls 5.81 cfs @ 2.81 fps)

Pond 101P: CB55



Summary for Pond 102P: CB43

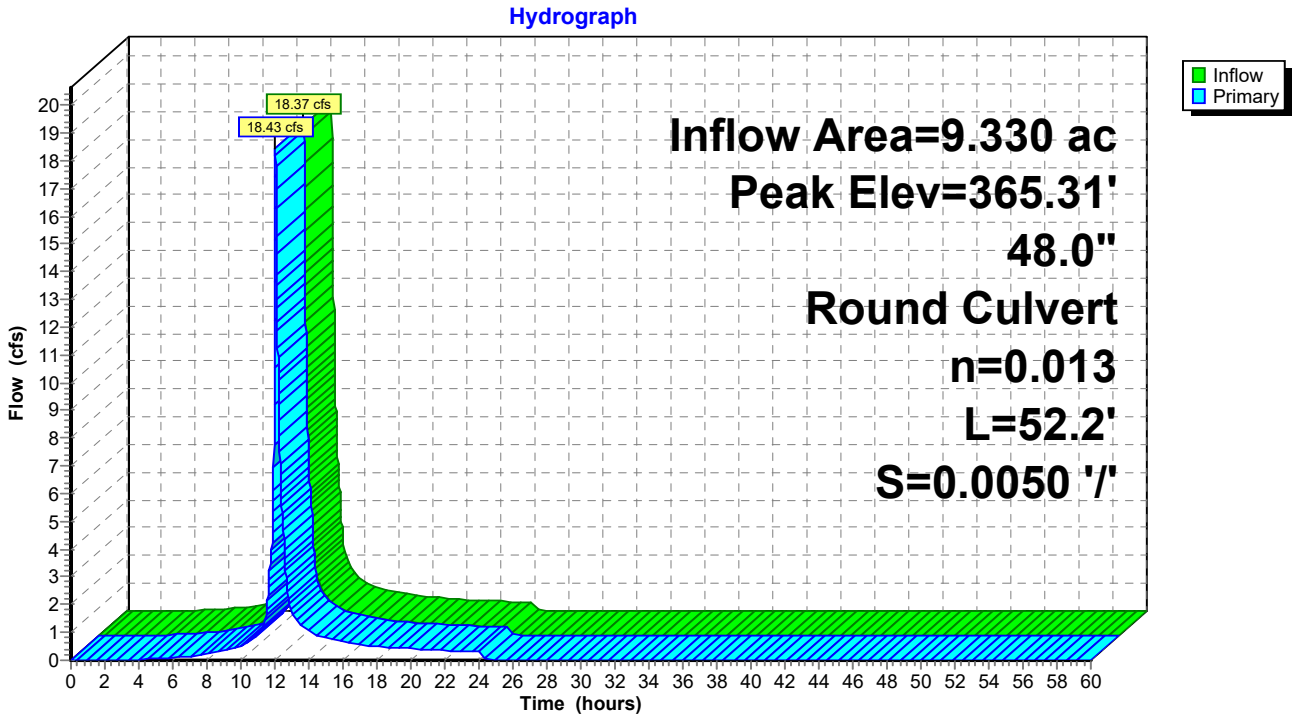
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.85" for 2-yr event
Inflow = 18.37 cfs @ 12.04 hrs, Volume= 1.438 af
Outflow = 18.43 cfs @ 12.04 hrs, Volume= 1.438 af, Atten= 0%, Lag= 0.0 min
Primary = 18.43 cfs @ 12.04 hrs, Volume= 1.438 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.31' @ 12.06 hrs
Flood Elev= 369.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.31'	**48.0" Round Culvert** L= 52.2' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.31' / 362.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=18.06 cfs @ 12.04 hrs HW=365.30' TW=365.13' (Dynamic Tailwater)
1=Culvert (Outlet Controls 18.06 cfs @ 2.49 fps)

Pond 102P: CB43



Summary for Pond 103P: CB44

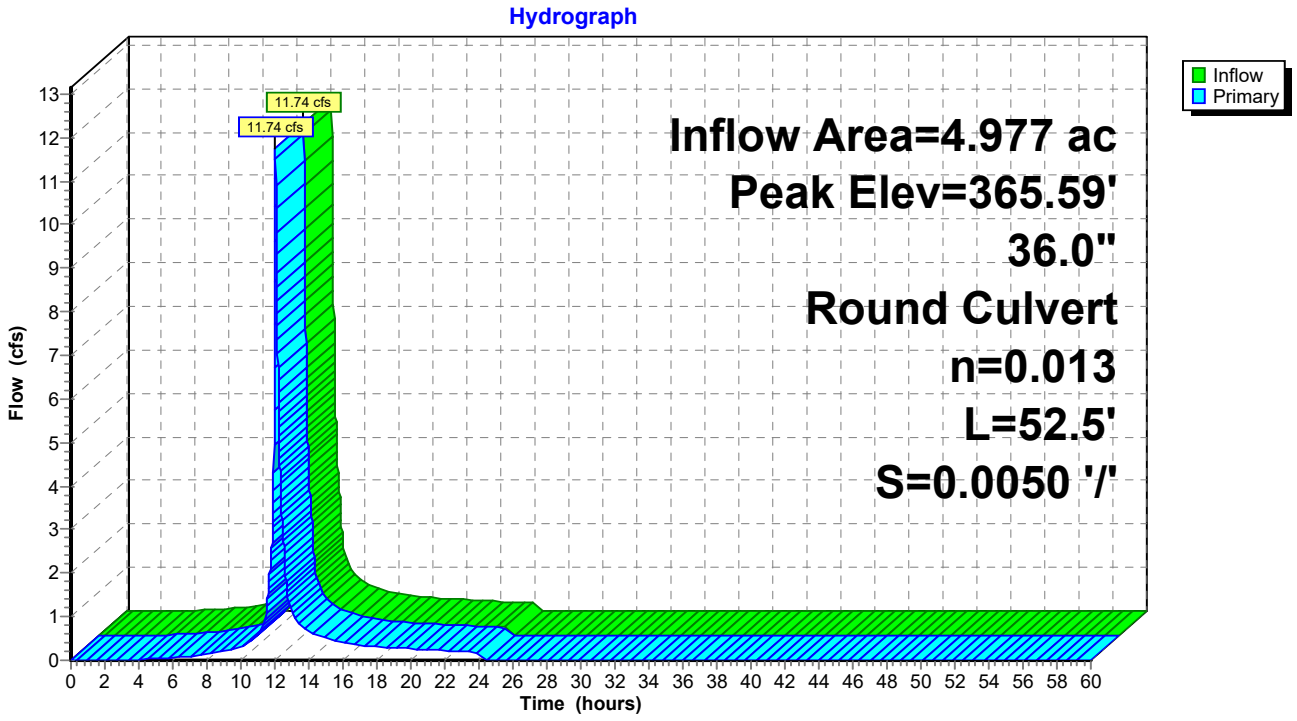
Inflow Area = 4.977 ac, 59.28% Impervious, Inflow Depth = 2.16" for 2-yr event
Inflow = 11.74 cfs @ 12.04 hrs, Volume= 0.895 af
Outflow = 11.74 cfs @ 12.04 hrs, Volume= 0.895 af, Atten= 0%, Lag= 0.0 min
Primary = 11.74 cfs @ 12.04 hrs, Volume= 0.895 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.59' @ 12.05 hrs
Flood Elev= 369.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	363.28'	**36.0" Round Culvert** L= 52.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 363.28' / 363.02' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=11.57 cfs @ 12.04 hrs HW=365.58' TW=365.30' (Dynamic Tailwater)
1=Culvert (Inlet Controls 11.57 cfs @ 1.99 fps)

Pond 103P: CB44



Summary for Pond 105P: DMH56

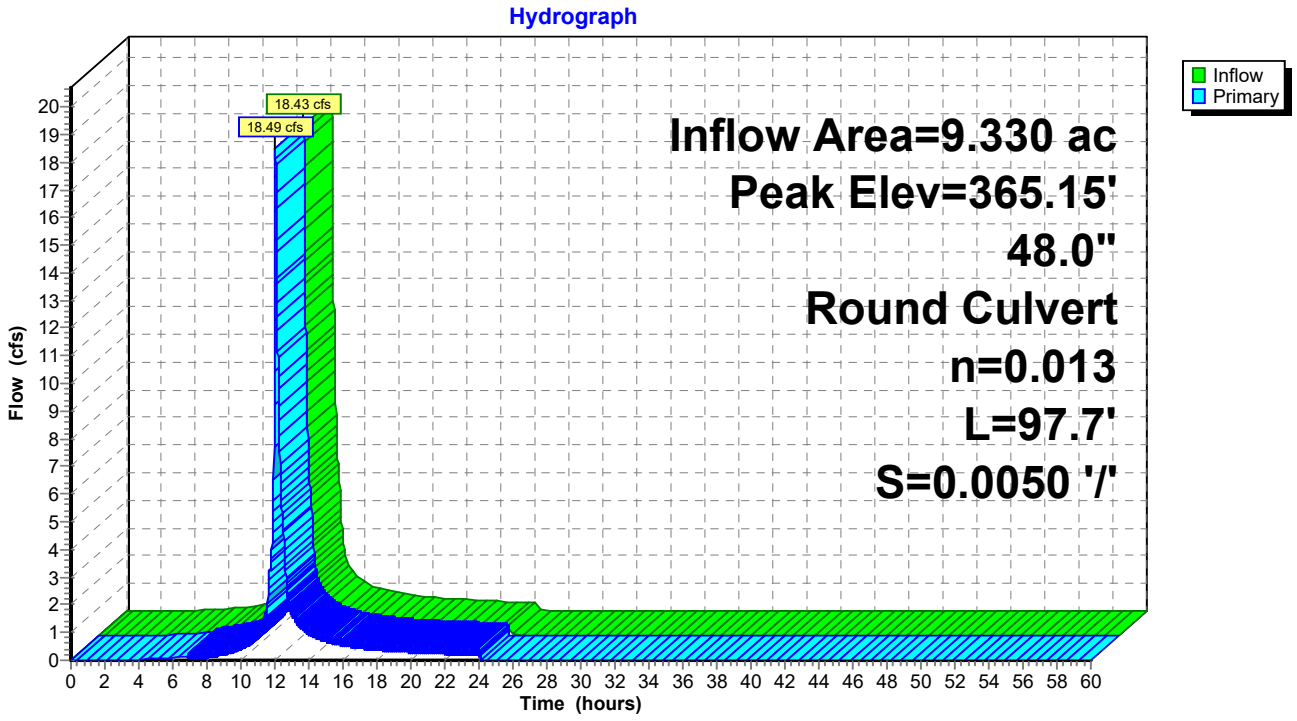
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.85" for 2-yr event
Inflow = 18.43 cfs @ 12.04 hrs, Volume= 1.438 af
Outflow = 18.49 cfs @ 12.04 hrs, Volume= 1.438 af, Atten= 0%, Lag= 0.0 min
Primary = 18.49 cfs @ 12.04 hrs, Volume= 1.438 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.15' @ 12.06 hrs
Flood Elev= 370.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.24'	**48.0" Round Culvert** L= 97.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.24' / 361.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=17.46 cfs @ 12.04 hrs HW=365.14' TW=364.95' (Dynamic Tailwater)
1=Culvert (Outlet Controls 17.46 cfs @ 2.50 fps)

Pond 105P: DMH56



Summary for Pond 106P: DMH57

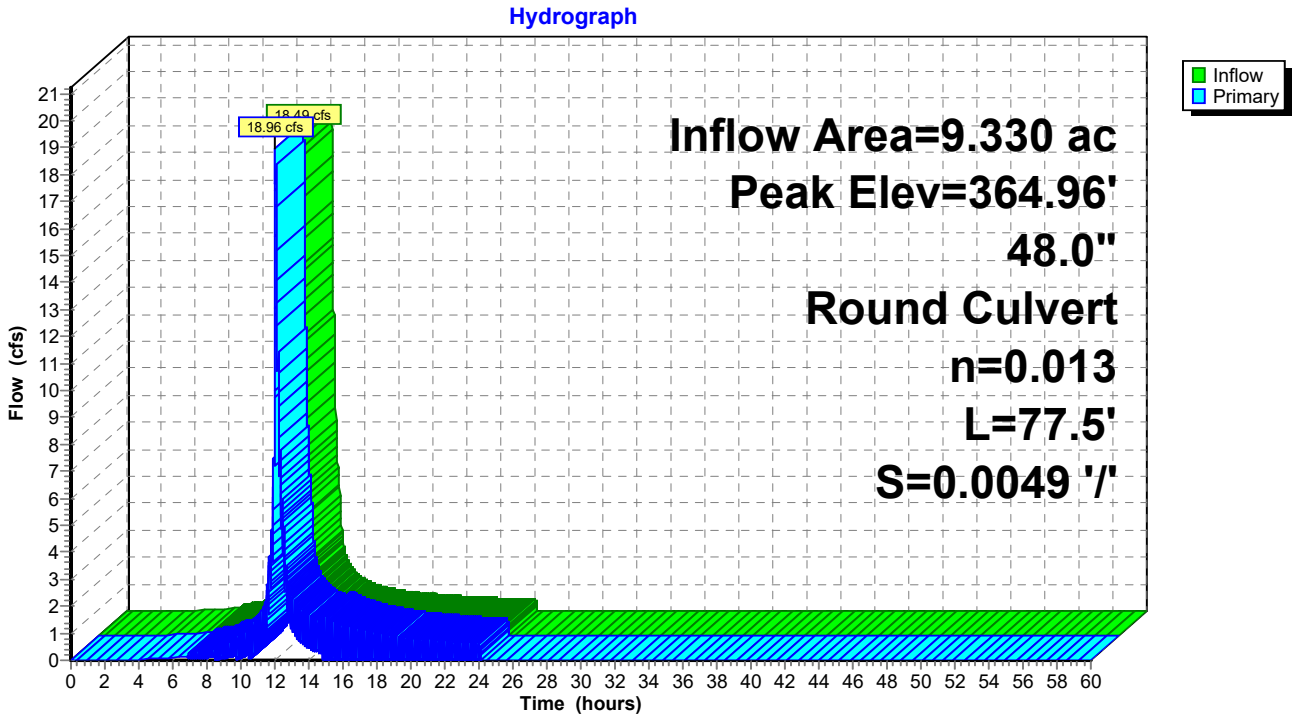
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.85" for 2-yr event
Inflow = 18.49 cfs @ 12.04 hrs, Volume= 1.438 af
Outflow = 18.96 cfs @ 12.04 hrs, Volume= 1.438 af, Atten= 0%, Lag= 0.0 min
Primary = 18.96 cfs @ 12.04 hrs, Volume= 1.438 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 364.96' @ 12.06 hrs
Flood Elev= 370.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.55'	**48.0" Round Culvert** L= 77.5' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.55' / 361.17' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=18.91 cfs @ 12.04 hrs HW=364.95' TW=364.80' (Dynamic Tailwater)
1=Culvert (Outlet Controls 18.91 cfs @ 2.24 fps)

Pond 106P: DMH57



Summary for Pond 107P: WQU58

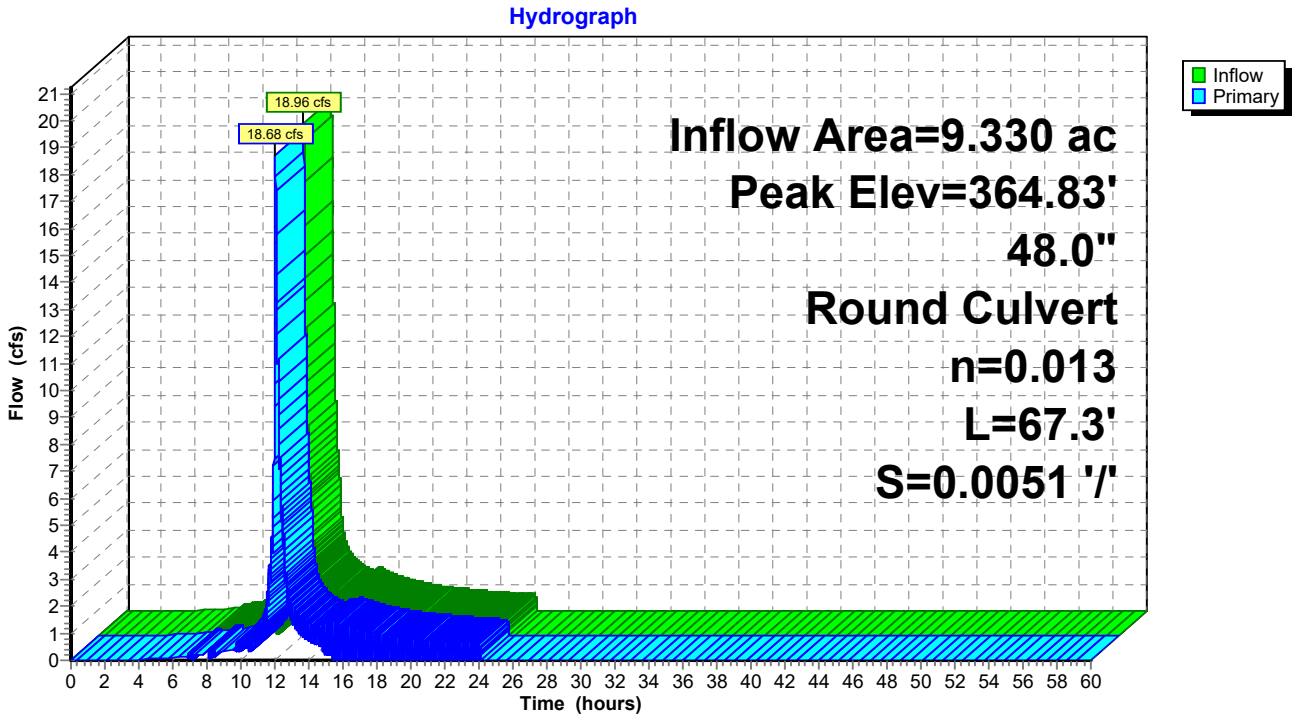
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 1.85" for 2-yr event
Inflow = 18.96 cfs @ 12.04 hrs, Volume= 1.438 af
Outflow = 18.68 cfs @ 12.04 hrs, Volume= 1.437 af, Atten= 1%, Lag= 0.0 min
Primary = 18.68 cfs @ 12.04 hrs, Volume= 1.437 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 364.83' @ 12.06 hrs
Flood Elev= 369.41'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.17'	**48.0" Round Culvert** L= 67.3' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.17' / 360.83' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=18.63 cfs @ 12.04 hrs HW=364.80' TW=364.69' (Dynamic Tailwater)
1=Culvert (Outlet Controls 18.63 cfs @ 2.04 fps)

Pond 107P: WQU58

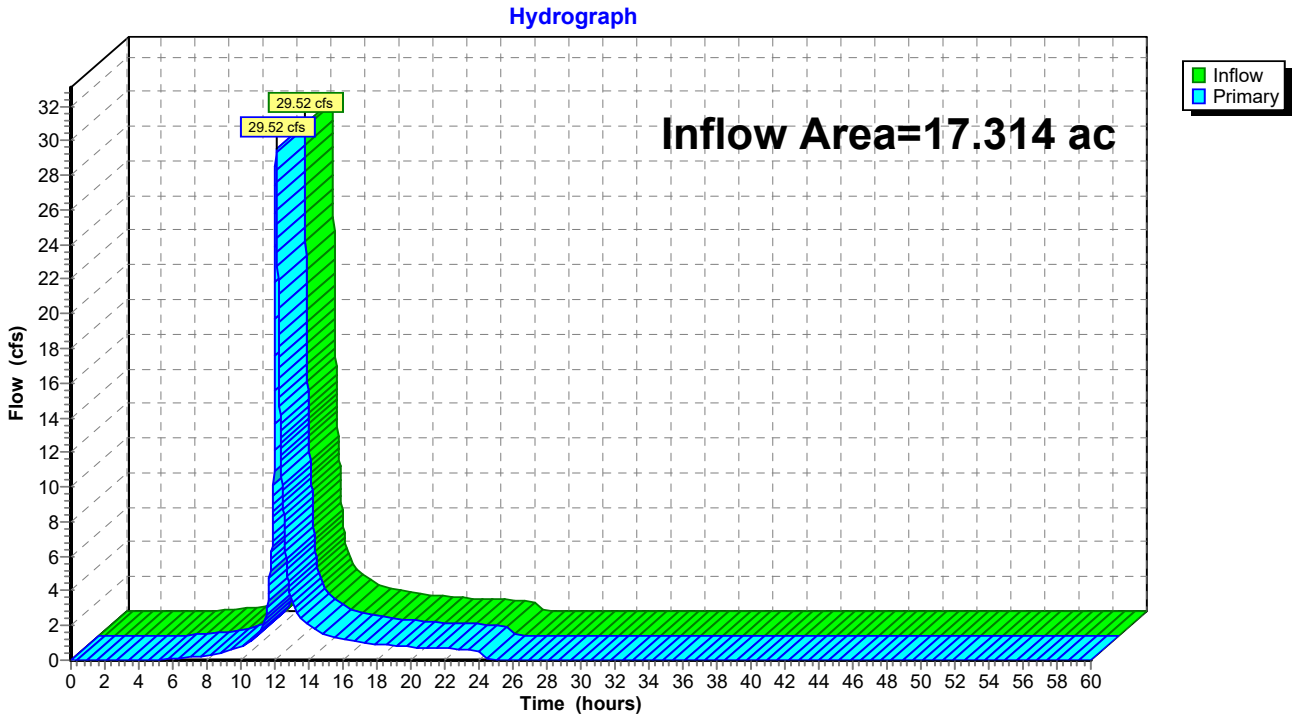


Summary for Link 9L: DP1

Inflow Area = 17.314 ac, 47.22% Impervious, Inflow Depth = 1.74" for 2-yr event
Inflow = 29.52 cfs @ 12.07 hrs, Volume= 2.514 af
Primary = 29.52 cfs @ 12.07 hrs, Volume= 2.514 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs

Link 9L: DP1



Time span=0.00-60.00 hrs, dt=0.01 hrs, 6001 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: 1S Runoff Area=2,402 sf 100.00% Impervious Runoff Depth=4.77"
Tc=6.0 min CN=98 Runoff=0.28 cfs 0.022 af

Subcatchment2S: 2S Runoff Area=950 sf 100.00% Impervious Runoff Depth=4.77"
Tc=6.0 min CN=98 Runoff=0.11 cfs 0.009 af

Subcatchment3S: 3S Runoff Area=7,934 sf 79.47% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.86 cfs 0.064 af

Subcatchment4S: 4S Runoff Area=1,832 sf 100.00% Impervious Runoff Depth=4.77"
Tc=6.0 min CN=98 Runoff=0.21 cfs 0.017 af

Subcatchment5S: 5S Runoff Area=6,456 sf 14.93% Impervious Runoff Depth=2.72"
Tc=6.0 min CN=78 Runoff=0.48 cfs 0.034 af

Subcatchment6S: 6S Runoff Area=13,000 sf 69.32% Impervious Runoff Depth=3.99"
Tc=6.0 min CN=91 Runoff=1.36 cfs 0.099 af

Subcatchment7S: 7S Runoff Area=6,040 sf 79.57% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.65 cfs 0.049 af

Subcatchment8S: 8S Runoff Area=8,525 sf 81.20% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.92 cfs 0.069 af

Subcatchment9S: 9S Runoff Area=8,672 sf 67.26% Impervious Runoff Depth=3.89"
Tc=6.0 min CN=90 Runoff=0.89 cfs 0.064 af

Subcatchment10S: 10S Runoff Area=5,790 sf 74.92% Impervious Runoff Depth=4.10"
Tc=6.0 min CN=92 Runoff=0.62 cfs 0.045 af

Subcatchment11S: 11S Runoff Area=5,768 sf 76.75% Impervious Runoff Depth=4.10"
Tc=6.0 min CN=92 Runoff=0.61 cfs 0.045 af

Subcatchment12S: 12S Runoff Area=9,851 sf 79.43% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=1.07 cfs 0.079 af

Subcatchment13S: 13S Runoff Area=8,998 sf 80.37% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.97 cfs 0.072 af

Subcatchment14S: 14S Runoff Area=34,531 sf 28.83% Impervious Runoff Depth=2.63"
Flow Length=477' Tc=11.4 min UI Adjusted CN=77 Runoff=1.92 cfs 0.174 af

Subcatchment15S: 15S Runoff Area=3,642 sf 97.56% Impervious Runoff Depth=4.66"
Tc=6.0 min CN=97 Runoff=0.41 cfs 0.032 af

Subcatchment16S: 16S Runoff Area=7,332 sf 81.61% Impervious Runoff Depth=4.32"
Tc=6.0 min CN=94 Runoff=0.81 cfs 0.061 af

Subcatchment17S: 17S Runoff Area=1,125 sf 86.40% Impervious Runoff Depth=4.43"
Tc=6.0 min CN=95 Runoff=0.13 cfs 0.010 af

Subcatchment18S: 18S Runoff Area=4,934 sf 80.26% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.53 cfs 0.040 af

Subcatchment19S: 19S Runoff Area=15,000 sf 80.72% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=1.62 cfs 0.121 af

Subcatchment20S: 20S Runoff Area=12,423 sf 61.49% Impervious Runoff Depth=3.78"
Tc=6.0 min CN=89 Runoff=1.24 cfs 0.090 af

Subcatchment21S: 21S Runoff Area=47,588 sf 40.96% Impervious Runoff Depth=3.28"
Flow Length=532' Tc=15.3 min CN=84 Runoff=2.92 cfs 0.299 af

Subcatchment22S: 22S Runoff Area=6,979 sf 84.42% Impervious Runoff Depth=4.32"
Tc=6.0 min CN=94 Runoff=0.77 cfs 0.058 af

Subcatchment23S: 23S Runoff Area=6,339 sf 78.42% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.69 cfs 0.051 af

Subcatchment24S: 24S Runoff Area=6,480 sf 78.29% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.70 cfs 0.052 af

Subcatchment25S: 25S Runoff Area=5,527 sf 78.18% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.60 cfs 0.044 af

Subcatchment26S: 26S Runoff Area=11,496 sf 71.13% Impervious Runoff Depth=3.99"
Tc=6.0 min CN=91 Runoff=1.20 cfs 0.088 af

Subcatchment27S: 27S Runoff Area=10,664 sf 79.74% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=1.15 cfs 0.086 af

Subcatchment28S: 28S Runoff Area=7,932 sf 75.84% Impervious Runoff Depth=4.10"
Tc=6.0 min CN=92 Runoff=0.84 cfs 0.062 af

Subcatchment29S: 29S Runoff Area=1,994 sf 86.01% Impervious Runoff Depth=4.43"
Tc=6.0 min CN=95 Runoff=0.22 cfs 0.017 af

Subcatchment30S: 30S Runoff Area=8,277 sf 80.34% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.89 cfs 0.067 af

Subcatchment31S: 31S Runoff Area=1,994 sf 89.62% Impervious Runoff Depth=4.54"
Tc=6.0 min CN=96 Runoff=0.22 cfs 0.017 af

Subcatchment32S: 32S Runoff Area=10,403 sf 78.57% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=1.12 cfs 0.084 af

Subcatchment35S: DA-33 Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=4.77"
Tc=0.0 min CN=98 Runoff=0.57 cfs 0.040 af

Subcatchment36S: 36S Runoff Area=50,955 sf 40.77% Impervious Runoff Depth=3.28"
Flow Length=482' Tc=16.9 min CN=84 Runoff=2.98 cfs 0.320 af

Subcatchment37S: 37S Runoff Area=8,850 sf 79.86% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.96 cfs 0.071 af

Subcatchment38S: 38S Runoff Area=2,178 sf 89.99% Impervious Runoff Depth=4.54"
Tc=6.0 min CN=96 Runoff=0.25 cfs 0.019 af

Subcatchment39S: 39S Runoff Area=11,479 sf 71.29% Impervious Runoff Depth=3.99"
Tc=6.0 min CN=91 Runoff=1.20 cfs 0.088 af

Subcatchment40S: 40S Runoff Area=7,985 sf 85.26% Impervious Runoff Depth=4.32"
Tc=6.0 min CN=94 Runoff=0.88 cfs 0.066 af

Subcatchment41S: 41S Runoff Area=7,826 sf 77.29% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.85 cfs 0.063 af

Subcatchment42S: 42S Runoff Area=6,802 sf 76.35% Impervious Runoff Depth=4.10"
Tc=6.0 min CN=92 Runoff=0.72 cfs 0.053 af

Subcatchment43S: 43S Runoff Area=7,562 sf 84.44% Impervious Runoff Depth=4.32"
Tc=6.0 min CN=94 Runoff=0.83 cfs 0.062 af

Subcatchment44S: 44S Runoff Area=8,519 sf 78.50% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.92 cfs 0.069 af

Subcatchment45S: 45S Runoff Area=7,264 sf 68.08% Impervious Runoff Depth=3.89"
Tc=6.0 min CN=90 Runoff=0.74 cfs 0.054 af

Subcatchment46S: 46S Runoff Area=6,807 sf 76.79% Impervious Runoff Depth=4.10"
Tc=6.0 min CN=92 Runoff=0.72 cfs 0.053 af

Subcatchment47S: 47S Runoff Area=10,360 sf 79.63% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=1.12 cfs 0.083 af

Subcatchment48S: 48S Runoff Area=15,279 sf 76.31% Impervious Runoff Depth=4.10"
Tc=6.0 min CN=92 Runoff=1.62 cfs 0.120 af

Subcatchment51S: 51S Runoff Area=6,539 sf 70.65% Impervious Runoff Depth=3.99"
Tc=6.0 min CN=91 Runoff=0.68 cfs 0.050 af

Subcatchment52S: 52S Runoff Area=8,056 sf 80.70% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=93 Runoff=0.87 cfs 0.065 af

SubcatchmentDA-3: DA-3 Runoff Area=63,072 sf 30.24% Impervious Runoff Depth=2.99"
Flow Length=838' Tc=13.9 min CN=81 Runoff=3.68 cfs 0.361 af

SubcatchmentDA-5: DA-5 Runoff Area=37,899 sf 37.79% Impervious Runoff Depth=3.18"
Flow Length=400' Tc=10.4 min CN=83 Runoff=2.66 cfs 0.231 af

Subcatchment DA-6: DA-6 Runoff Area=52,424 sf 38.71% Impervious Runoff Depth=3.18"
Tc=6.0 min CN=83 Runoff=4.51 cfs 0.319 af

Subcatchment DA-7: Conservation Area Runoff Area=139,093 sf 0.00% Impervious Runoff Depth=2.37"
Tc=6.0 min CN=74 Runoff=8.85 cfs 0.631 af

Reach 91R: Swale-North Avg. Flow Depth=0.25' Max Vel=4.37 fps Inflow=3.68 cfs 0.361 af
n=0.022 L=540.0' S=0.0463 '/' Capacity=72.68 cfs Outflow=3.60 cfs 0.361 af

Pond 6P: Pond Peak Elev=364.94' Storage=15,872 cf Inflow=38.25 cfs 3.204 af
Outflow=33.50 cfs 3.194 af

Pond 10P: WQU69 Peak Elev=367.91' Inflow=5.77 cfs 0.454 af
18.0" Round Culvert n=0.013 L=22.3' S=0.0278 '/' Outflow=5.77 cfs 0.454 af

Pond 52P: CB2 Peak Elev=403.23' Inflow=0.38 cfs 0.031 af
12.0" Round Culvert n=0.013 L=116.3' S=0.0800 '/' Outflow=0.38 cfs 0.031 af

Pond 53P: CB1 Peak Elev=403.34' Inflow=0.11 cfs 0.009 af
12.0" Round Culvert n=0.013 L=23.9' S=0.0100 '/' Outflow=0.11 cfs 0.009 af

Pond 54P: CB3 Peak Elev=394.25' Inflow=1.24 cfs 0.094 af
12.0" Round Culvert n=0.013 L=131.3' S=0.0459 '/' Outflow=1.24 cfs 0.094 af

Pond 55P: CB11 Peak Elev=392.58' Inflow=0.21 cfs 0.017 af
15.0" Round Culvert n=0.013 L=104.0' S=0.0300 '/' Outflow=0.21 cfs 0.017 af

Pond 56P: CB12 Peak Elev=390.68' Inflow=0.48 cfs 0.034 af
12.0" Round Culvert n=0.013 L=61.5' S=0.0125 '/' Outflow=0.48 cfs 0.034 af

Pond 57P: CB13 Peak Elev=390.00' Inflow=2.69 cfs 0.198 af
24.0" Round Culvert n=0.013 L=132.3' S=0.0410 '/' Outflow=2.69 cfs 0.198 af

Pond 58P: CB39 Peak Elev=369.37' Inflow=6.88 cfs 0.511 af
24.0" Round Culvert n=0.013 L=27.0' S=0.0100 '/' Outflow=6.88 cfs 0.511 af

Pond 59P: CB14 Peak Elev=390.38' Inflow=0.65 cfs 0.049 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.65 cfs 0.049 af

Pond 60P: CB16 Peak Elev=385.44' Inflow=0.92 cfs 0.069 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=0.92 cfs 0.069 af

Pond 61P: CB15 Peak Elev=385.35' Inflow=4.50 cfs 0.331 af
15.0" Round Culvert n=0.013 L=94.0' S=0.0411 '/' Outflow=4.50 cfs 0.331 af

Pond 62P: CB18 Peak Elev=381.21' Inflow=0.62 cfs 0.045 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.62 cfs 0.045 af

Pond 63P: CB17 Peak Elev=381.15' Inflow=5.73 cfs 0.422 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0410 '/' Outflow=5.73 cfs 0.422 af

Pond 64P: CB20 Peak Elev=376.39' Inflow=9.23 cfs 0.748 af
18.0" Round Culvert n=0.013 L=40.8' S=0.0299 '/' Outflow=9.23 cfs 0.748 af

Pond 65P: CB19 Peak Elev=376.88' Inflow=8.17 cfs 0.668 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=8.17 cfs 0.668 af

Pond 66P: CB21 Peak Elev=374.50' Inflow=9.64 cfs 0.780 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0313 '/' Outflow=9.64 cfs 0.780 af

Pond 67P: CB22 Peak Elev=373.35' Inflow=10.44 cfs 0.841 af
24.0" Round Culvert n=0.013 L=76.5' S=0.0550 '/' Outflow=10.44 cfs 0.841 af

Pond 68P: CB28 Peak Elev=370.35' Inflow=2.98 cfs 0.308 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0092 '/' Outflow=2.98 cfs 0.308 af

Pond 69P: CB26 Peak Elev=369.56' Inflow=12.95 cfs 1.188 af
24.0" Round Culvert n=0.013 L=72.2' S=0.0201 '/' Outflow=12.95 cfs 1.188 af

Pond 70P: CB29 Peak Elev=367.18' Inflow=15.79 cfs 1.399 af
36.0" Round Culvert n=0.013 L=325.0' S=0.0050 '/' Outflow=15.79 cfs 1.399 af

Pond 71P: CB30 Peak Elev=367.21' Inflow=1.24 cfs 0.090 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=1.24 cfs 0.090 af

Pond 72P: CB27 Peak Elev=371.30' Inflow=2.92 cfs 0.299 af
12.0" Round Culvert n=0.013 L=31.9' S=0.0100 '/' Outflow=2.92 cfs 0.299 af

Pond 73P: CB38 Peak Elev=370.17' Inflow=6.01 cfs 0.446 af
18.0" Round Culvert n=0.013 L=24.0' S=0.0087 '/' Outflow=6.01 cfs 0.446 af

Pond 74P: CB36 Peak Elev=372.13' Inflow=5.32 cfs 0.396 af
15.0" Round Culvert n=0.013 L=105.1' S=0.0320 '/' Outflow=5.32 cfs 0.396 af

Pond 75P: CB37 Peak Elev=372.20' Inflow=0.69 cfs 0.051 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.69 cfs 0.051 af

Pond 76P: CB34 Peak Elev=375.12' Inflow=3.87 cfs 0.288 af
15.0" Round Culvert n=0.013 L=102.4' S=0.0328 '/' Outflow=3.87 cfs 0.288 af

Pond 78P: WQU1 Peak Elev=369.28' Inflow=6.88 cfs 0.511 af
24.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=6.88 cfs 0.511 af

Pond 79P: Underground Infiltration Peak Elev=369.28' Storage=7,673 cf Inflow=6.88 cfs 0.511 af
Discarded=0.56 cfs 0.511 af Primary=0.00 cfs 0.000 af Outflow=0.56 cfs 0.511 af

Pond 80P: CB35 Peak Elev=375.25' Inflow=0.60 cfs 0.044 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.60 cfs 0.044 af

Pond 81P: CB32 Peak Elev=378.65' Inflow=2.57 cfs 0.191 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=2.57 cfs 0.191 af

Pond 82P: CB33 Peak Elev=378.71' Inflow=1.15 cfs 0.086 af
15.0" Round Culvert n=0.013 L=113.7' S=0.0717 '/' Outflow=1.15 cfs 0.086 af

Pond 84P: CB42 Peak Elev=367.99' Inflow=2.98 cfs 0.320 af
18.0" Round Culvert n=0.013 L=98.0' S=0.0039 '/' Outflow=2.98 cfs 0.320 af

Pond 85P: CB5 Peak Elev=388.65' Inflow=2.31 cfs 0.174 af
12.0" Round Culvert n=0.013 L=144.9' S=0.0455 '/' Outflow=2.31 cfs 0.174 af

Pond 86P: CB4 Peak Elev=388.65' Inflow=0.22 cfs 0.017 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.22 cfs 0.017 af

Pond 87P: CB6 Peak Elev=382.60' Inflow=3.20 cfs 0.240 af
12.0" Round Culvert n=0.013 L=146.0' S=0.0455 '/' Outflow=3.20 cfs 0.240 af

Pond 88P: CB31 Peak Elev=381.47' Inflow=0.22 cfs 0.017 af
12.0" Round Culvert n=0.013 L=149.0' S=0.0255 '/' Outflow=0.22 cfs 0.017 af

Pond 89P: CB7 Peak Elev=376.90' Inflow=4.56 cfs 0.364 af
12.0" Round Culvert n=0.013 L=147.7' S=0.0455 '/' Outflow=4.56 cfs 0.364 af

Pond 90P: CB48 Peak Elev=371.19' Inflow=2.07 cfs 0.154 af
15.0" Round Culvert n=0.013 L=123.7' S=0.0100 '/' Outflow=2.07 cfs 0.154 af

Pond 92P: CB8 Peak Elev=369.84' Inflow=5.52 cfs 0.435 af
15.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=5.52 cfs 0.435 af

Pond 93P: CB9 Peak Elev=368.44' Inflow=5.77 cfs 0.454 af
18.0" Round Culvert n=0.013 L=35.7' S=0.0151 '/' Outflow=5.77 cfs 0.454 af

Pond 95P: CB49 Peak Elev=371.51' Inflow=0.88 cfs 0.066 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.88 cfs 0.066 af

Pond 96P: CB50 Peak Elev=369.89' Inflow=3.64 cfs 0.270 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0092 '/' Outflow=3.64 cfs 0.270 af

Pond 97P: CB51 Peak Elev=369.98' Inflow=0.72 cfs 0.053 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.72 cfs 0.053 af

Pond 98P: CB52 Peak Elev=368.93' Inflow=5.40 cfs 0.401 af
18.0" Round Culvert n=0.013 L=114.0' S=0.0085 '/' Outflow=5.40 cfs 0.401 af

Pond 99P: CB53 Peak Elev=369.02' Inflow=0.92 cfs 0.069 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.92 cfs 0.069 af

Pond 100P: CB54 Peak Elev=367.69' Inflow=7.84 cfs 0.775 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=7.84 cfs 0.775 af

Pond 101P: CB55 Peak Elev=367.31' Inflow=8.56 cfs 0.828 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0683 '/' Outflow=8.56 cfs 0.828 af

Pond 102P: CB43 Peak Elev=365.87' Inflow=27.08 cfs 2.430 af
48.0" Round Culvert n=0.013 L=52.2' S=0.0050 '/' Outflow=27.40 cfs 2.430 af

Pond 103P: CB44 Peak Elev=366.28' Inflow=17.40 cfs 1.519 af
36.0" Round Culvert n=0.013 L=52.5' S=0.0050 '/' Outflow=17.40 cfs 1.519 af

Pond 105P: DMH56 Peak Elev=365.64' Inflow=27.40 cfs 2.430 af
48.0" Round Culvert n=0.013 L=97.7' S=0.0050 '/' Outflow=27.24 cfs 2.430 af

Pond 106P: DMH57 Peak Elev=365.36' Inflow=27.24 cfs 2.430 af
48.0" Round Culvert n=0.013 L=77.5' S=0.0049 '/' Outflow=27.38 cfs 2.430 af

Pond 107P: WQU58 Peak Elev=365.13' Inflow=27.38 cfs 2.430 af
48.0" Round Culvert n=0.013 L=67.3' S=0.0051 '/' Outflow=28.15 cfs 2.430 af

Link 9L: DP1 Inflow=46.43 cfs 4.417 af
Primary=46.43 cfs 4.417 af

Summary for Subcatchment 1S: 1S

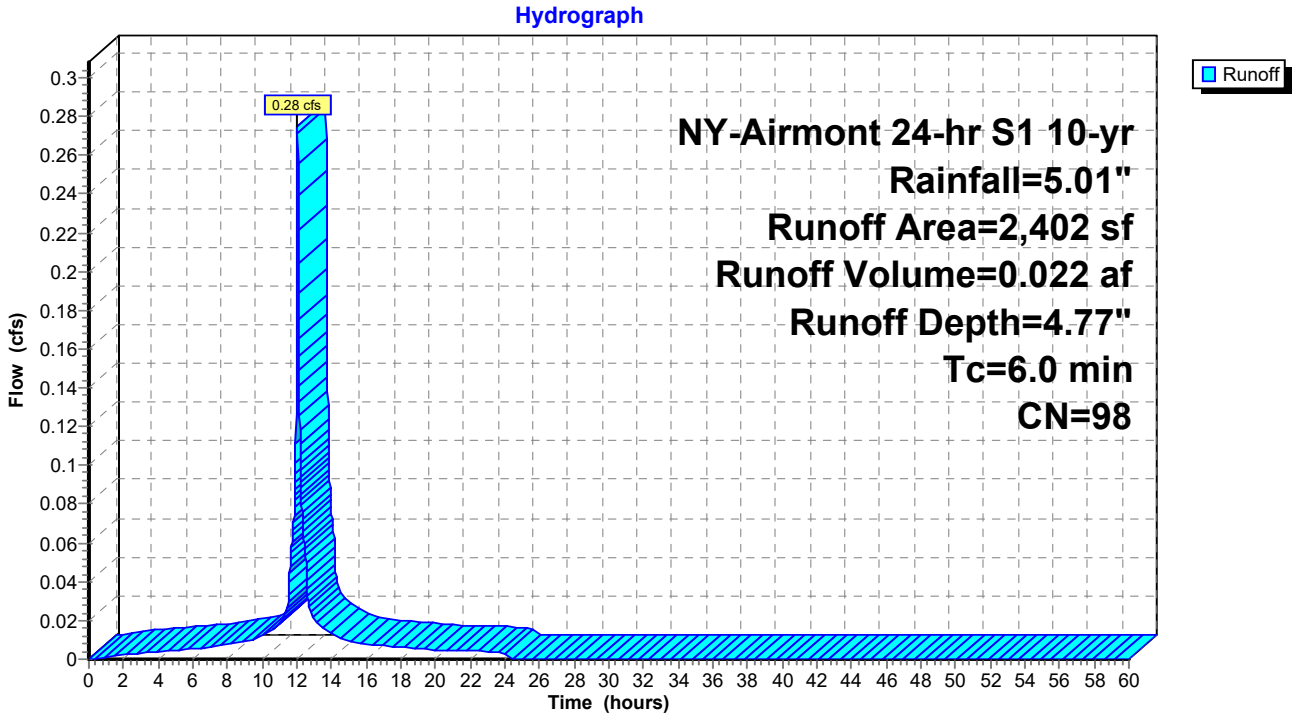
Runoff = 0.28 cfs @ 12.04 hrs, Volume= 0.022 af, Depth= 4.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
2,402	98	Paved parking, HSG C
2,402		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 1S: 1S



Summary for Subcatchment 2S: 2S

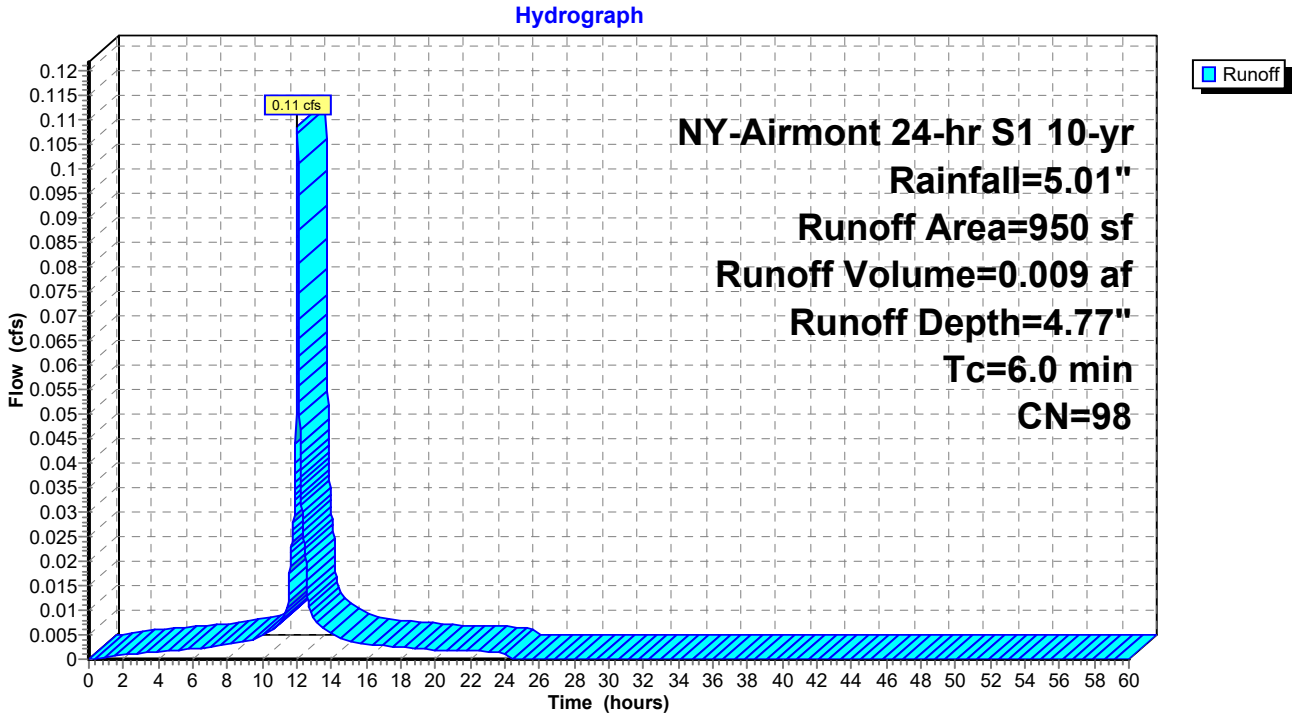
Runoff = 0.11 cfs @ 12.04 hrs, Volume= 0.009 af, Depth= 4.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
950	98	Paved parking, HSG C
950		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 2S: 2S



Summary for Subcatchment 3S: 3S

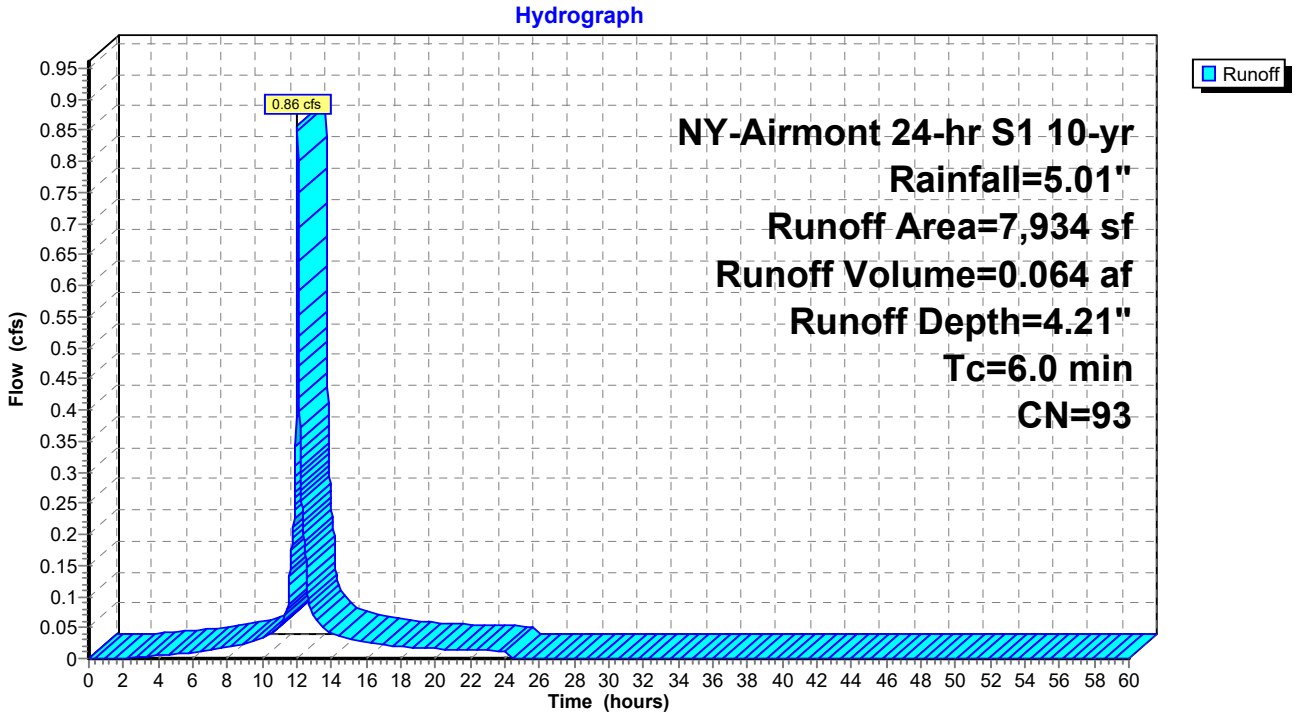
Runoff = 0.86 cfs @ 12.04 hrs, Volume= 0.064 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,629	74	>75% Grass cover, Good, HSG C
6,305	98	Paved parking, HSG C
7,934	93	Weighted Average
1,629		20.53% Pervious Area
6,305		79.47% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 3S: 3S



Summary for Subcatchment 4S: 4S

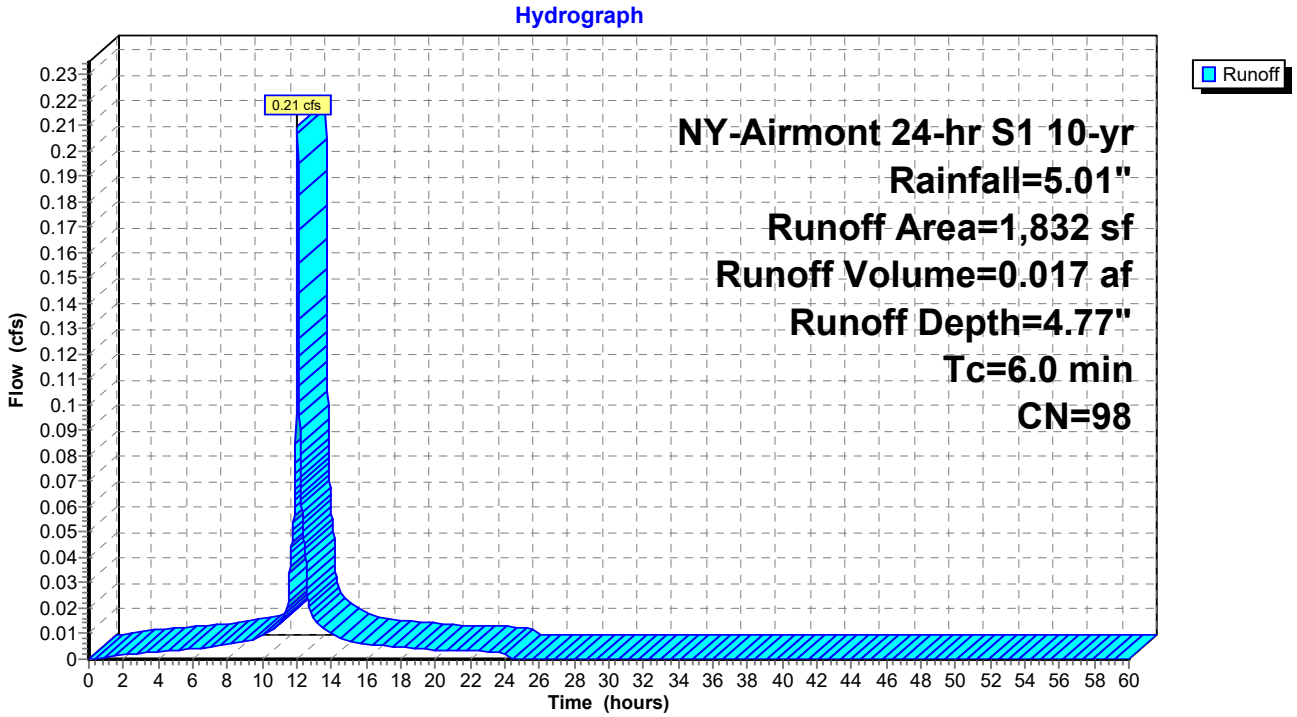
Runoff = 0.21 cfs @ 12.04 hrs, Volume= 0.017 af, Depth= 4.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,832	98	Paved parking, HSG C
1,832		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 4S: 4S



Summary for Subcatchment 5S: 5S

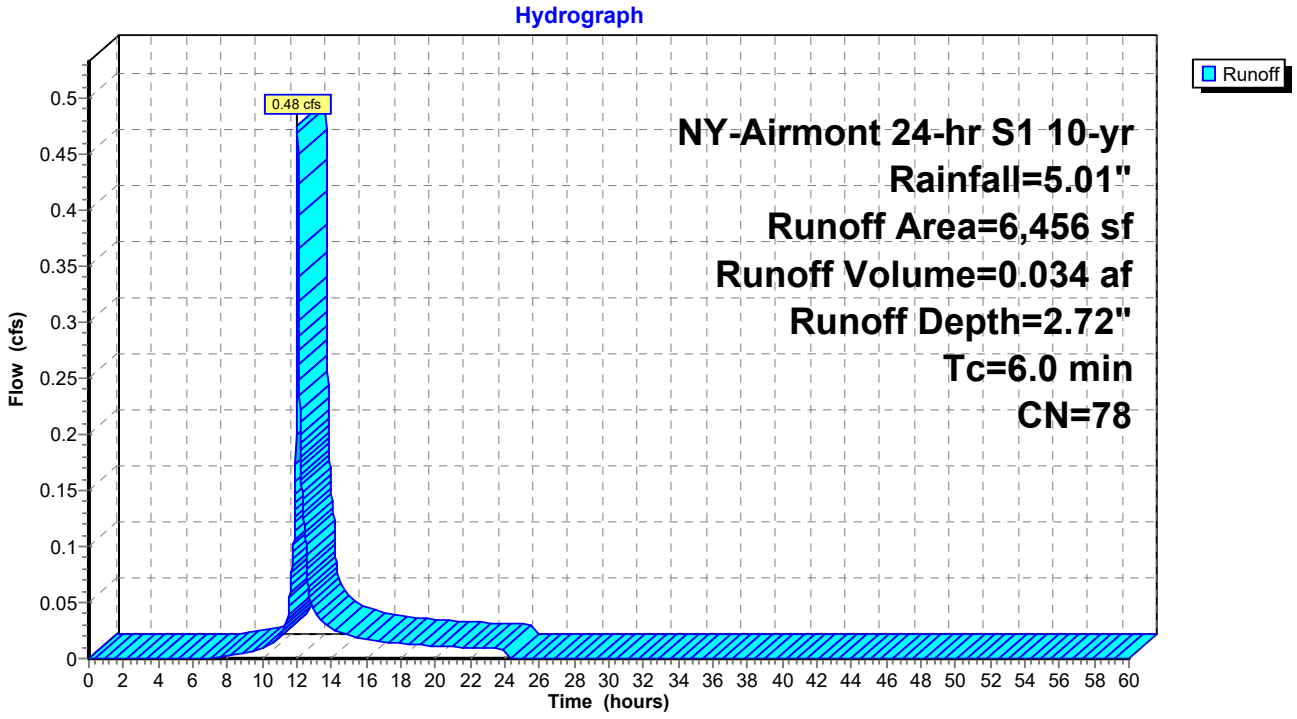
Runoff = 0.48 cfs @ 12.04 hrs, Volume= 0.034 af, Depth= 2.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
964	98	Paved parking, HSG C
5,492	74	>75% Grass cover, Good, HSG C
6,456	78	Weighted Average
5,492		85.07% Pervious Area
964		14.93% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 5S: 5S



Summary for Subcatchment 6S: 6S

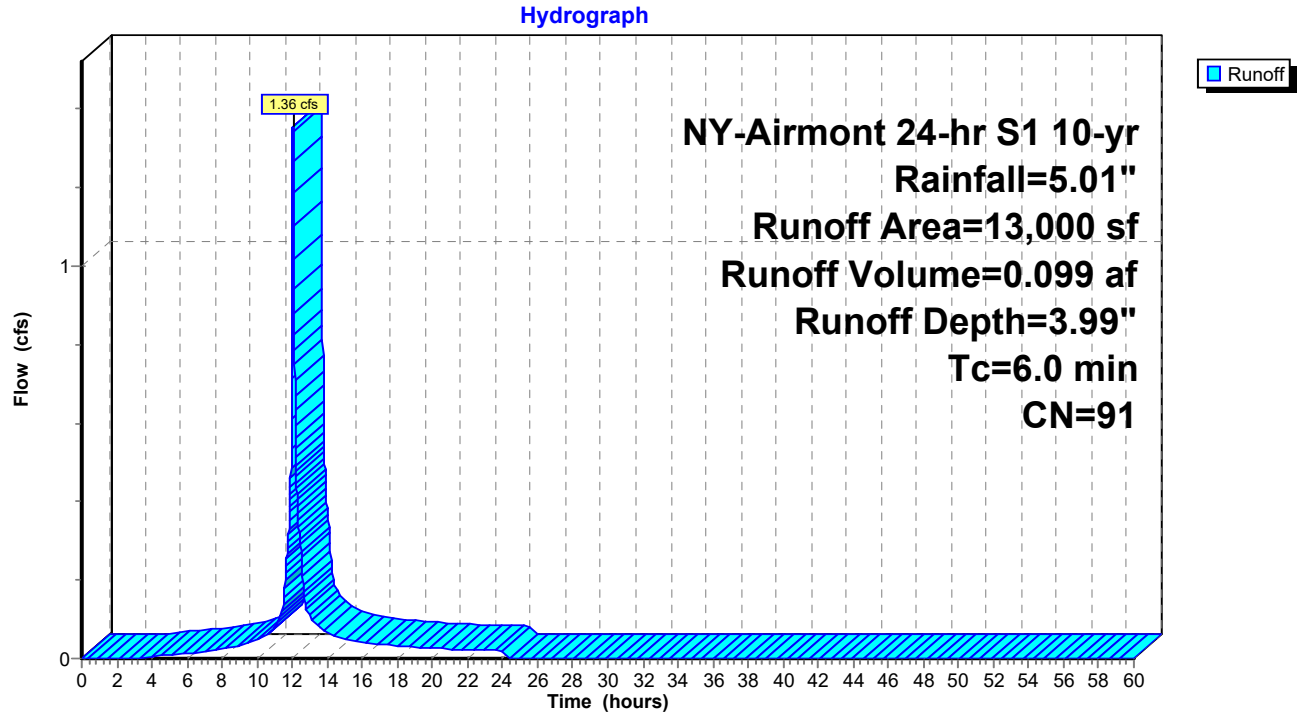
Runoff = 1.36 cfs @ 12.04 hrs, Volume= 0.099 af, Depth= 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
3,988	74	>75% Grass cover, Good, HSG C
9,012	98	Paved parking, HSG C
13,000	91	Weighted Average
3,988		30.68% Pervious Area
9,012		69.32% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 6S: 6S



Summary for Subcatchment 7S: 7S

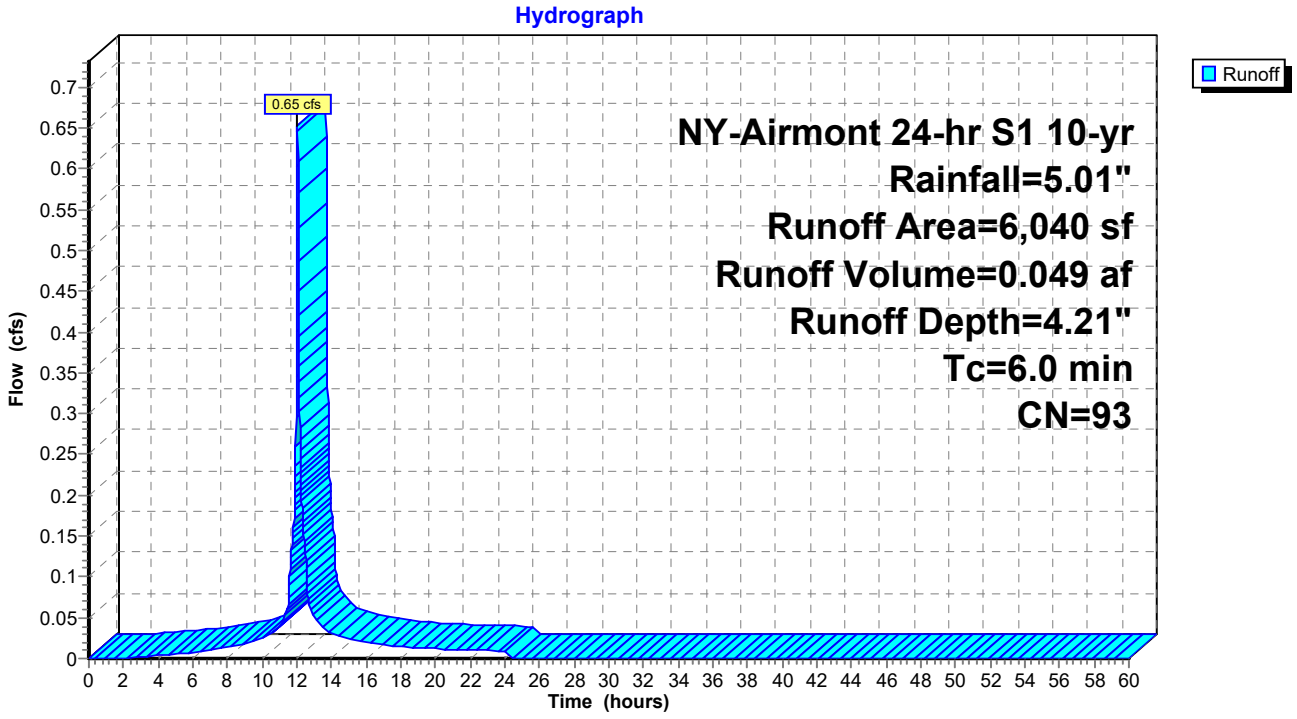
Runoff = 0.65 cfs @ 12.04 hrs, Volume= 0.049 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,234	74	>75% Grass cover, Good, HSG C
4,806	98	Paved parking, HSG C
6,040	93	Weighted Average
1,234		20.43% Pervious Area
4,806		79.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 7S: 7S



Summary for Subcatchment 8S: 8S

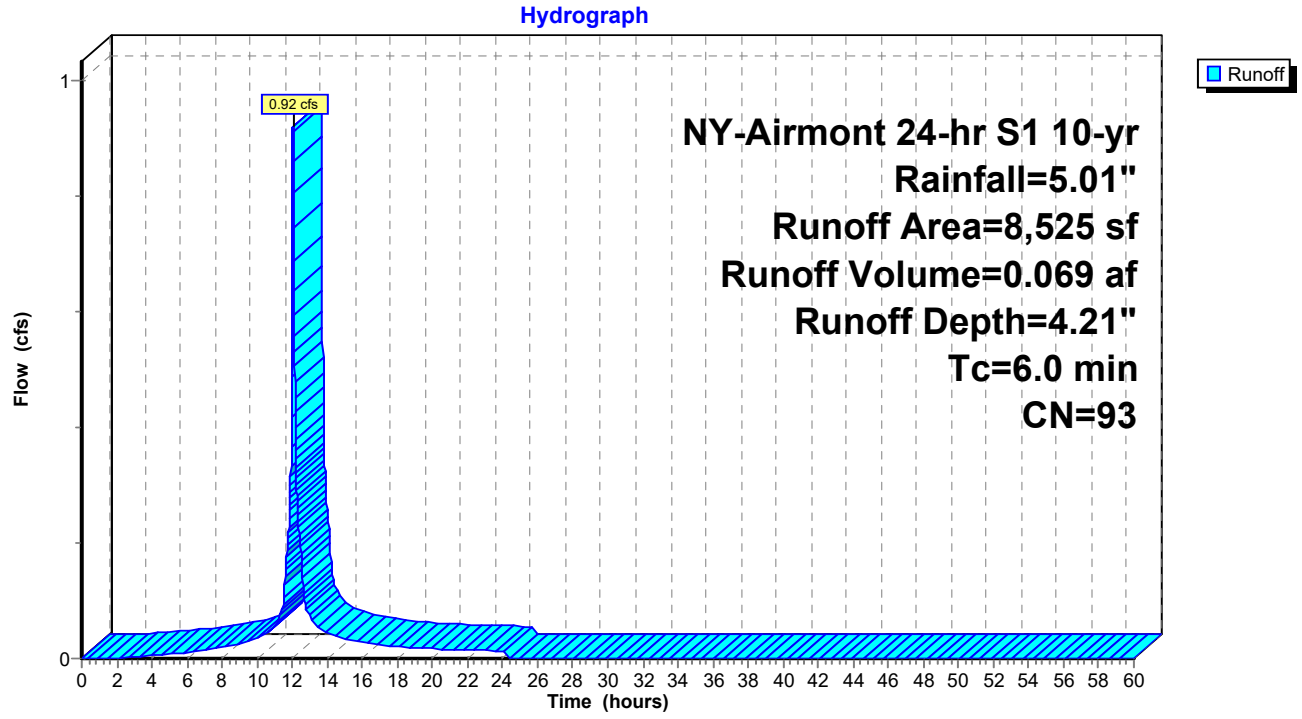
Runoff = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,603	74	>75% Grass cover, Good, HSG C
6,922	98	Paved parking, HSG C
8,525	93	Weighted Average
1,603		18.80% Pervious Area
6,922		81.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 8S: 8S



Summary for Subcatchment 9S: 9S

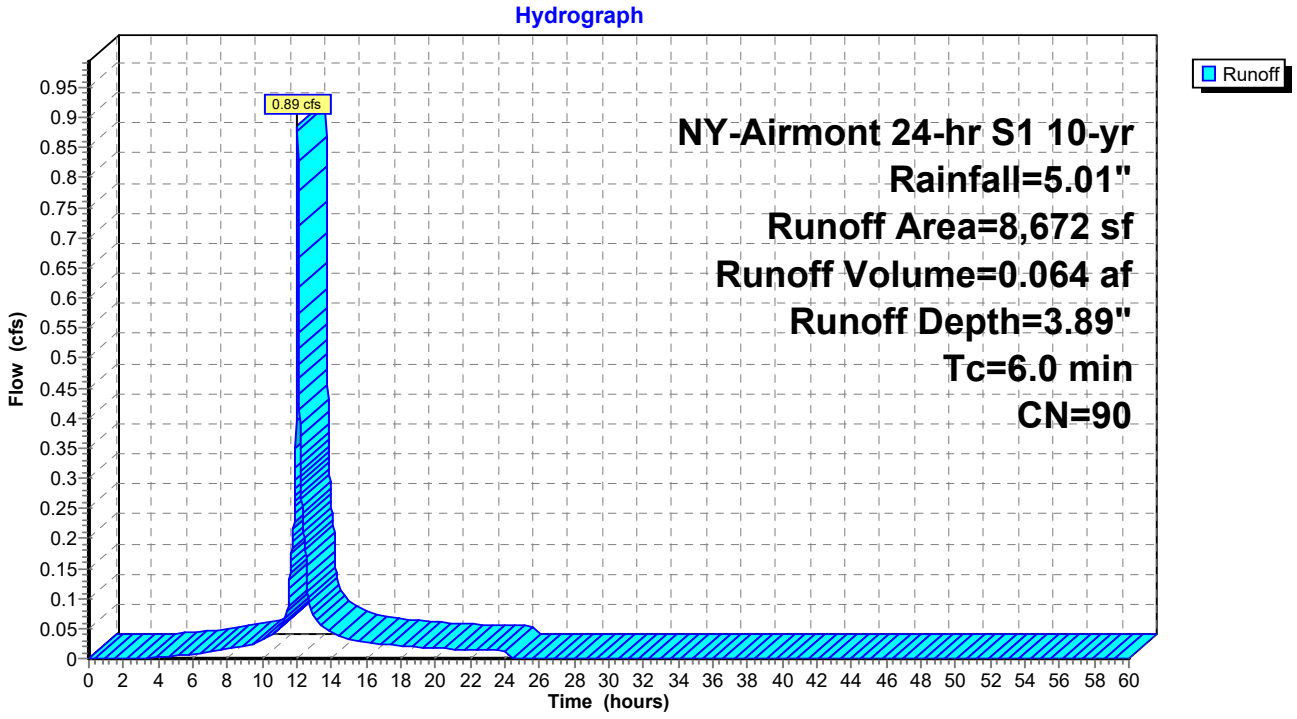
Runoff = 0.89 cfs @ 12.04 hrs, Volume= 0.064 af, Depth= 3.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
2,839	74	>75% Grass cover, Good, HSG C
5,833	98	Paved parking, HSG C
8,672	90	Weighted Average
2,839		32.74% Pervious Area
5,833		67.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 9S: 9S



Summary for Subcatchment 10S: 10S

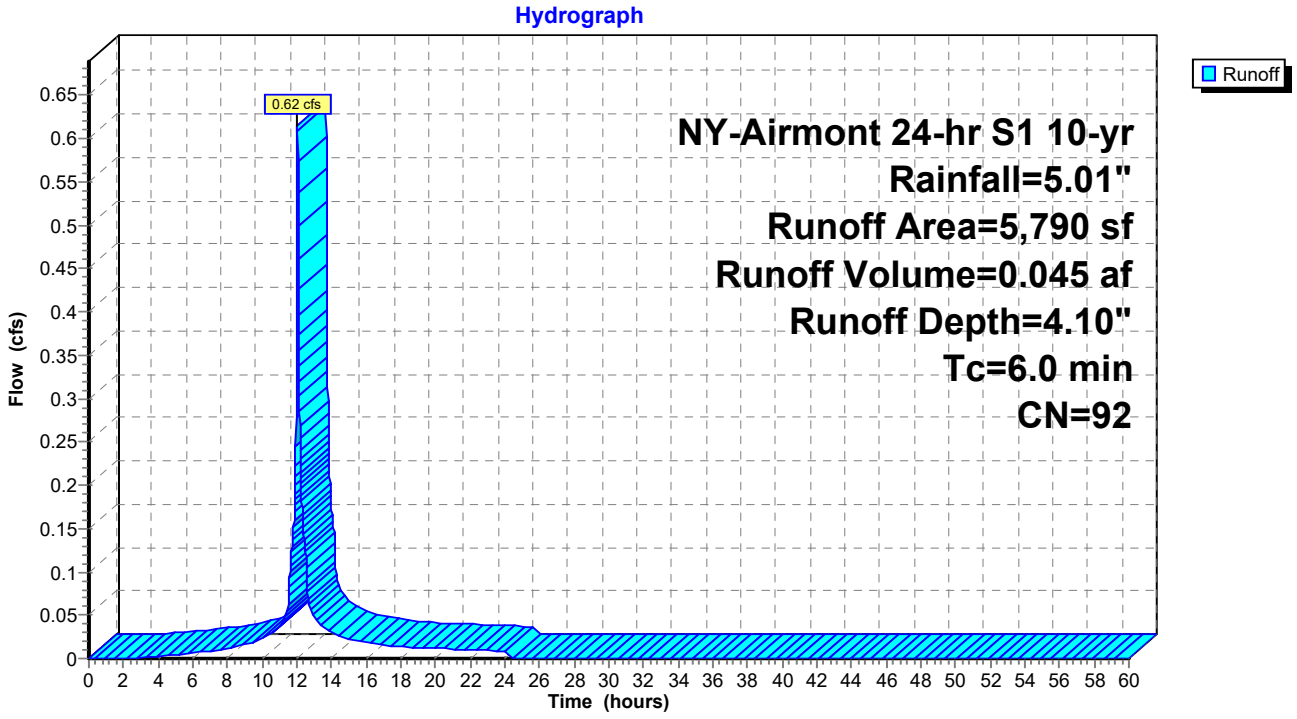
Runoff = 0.62 cfs @ 12.04 hrs, Volume= 0.045 af, Depth= 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,452	74	>75% Grass cover, Good, HSG C
4,338	98	Paved parking, HSG C
5,790	92	Weighted Average
1,452		25.08% Pervious Area
4,338		74.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 10S: 10S



Summary for Subcatchment 11S: 11S

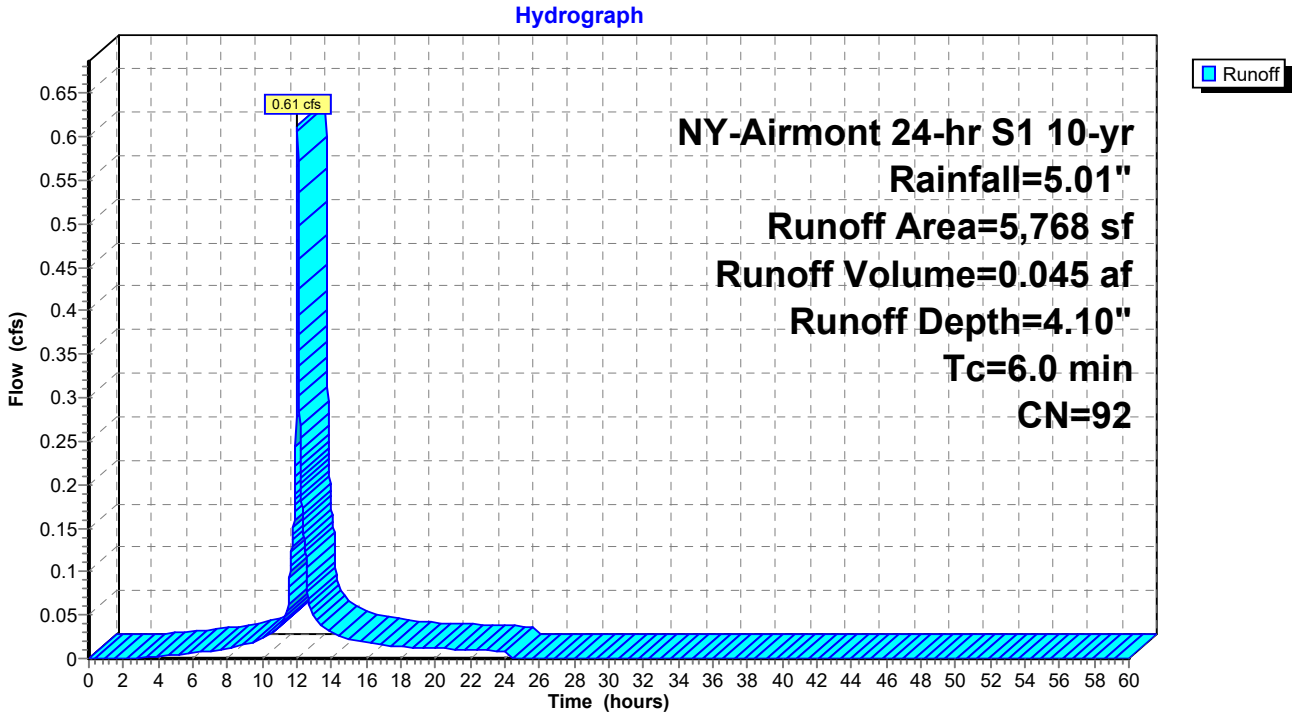
Runoff = 0.61 cfs @ 12.04 hrs, Volume= 0.045 af, Depth= 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,341	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
5,768	92	Weighted Average
1,341		23.25% Pervious Area
4,427		76.75% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 11S: 11S



Summary for Subcatchment 12S: 12S

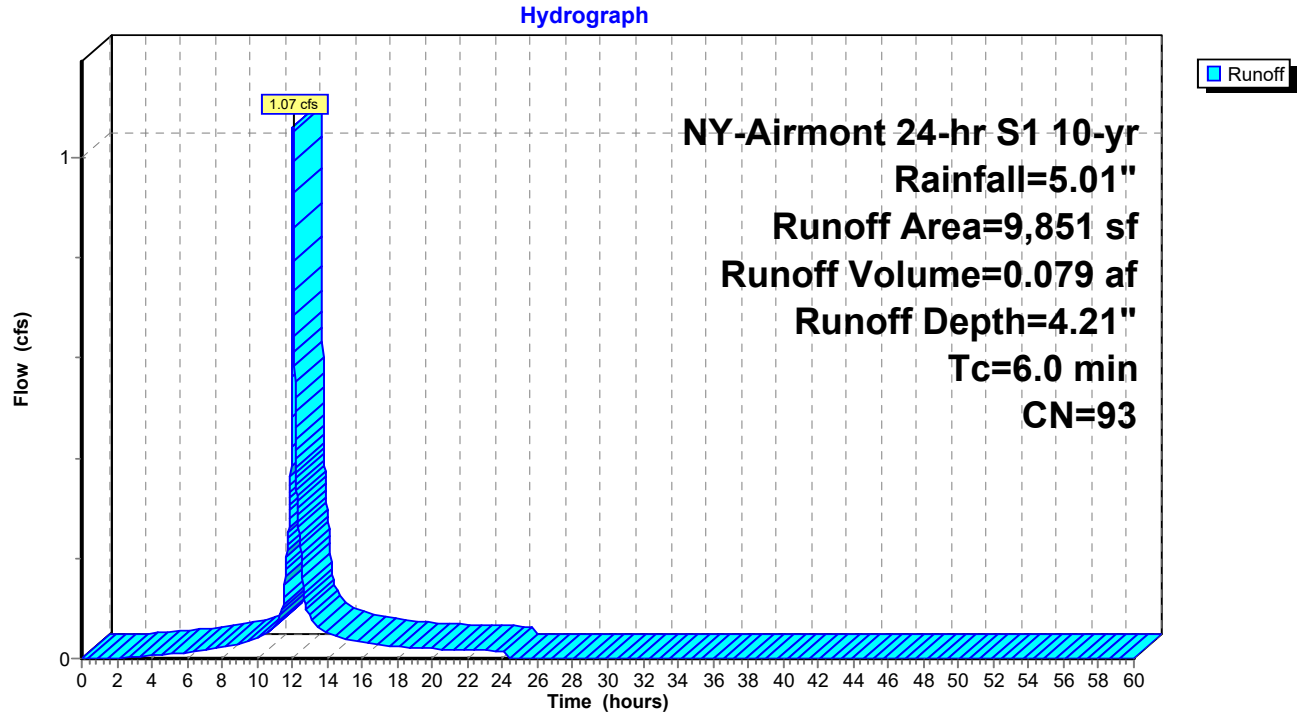
Runoff = 1.07 cfs @ 12.04 hrs, Volume= 0.079 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
2,026	74	>75% Grass cover, Good, HSG C
7,825	98	Paved parking, HSG C
9,851	93	Weighted Average
2,026		20.57% Pervious Area
7,825		79.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 12S: 12S



Summary for Subcatchment 13S: 13S

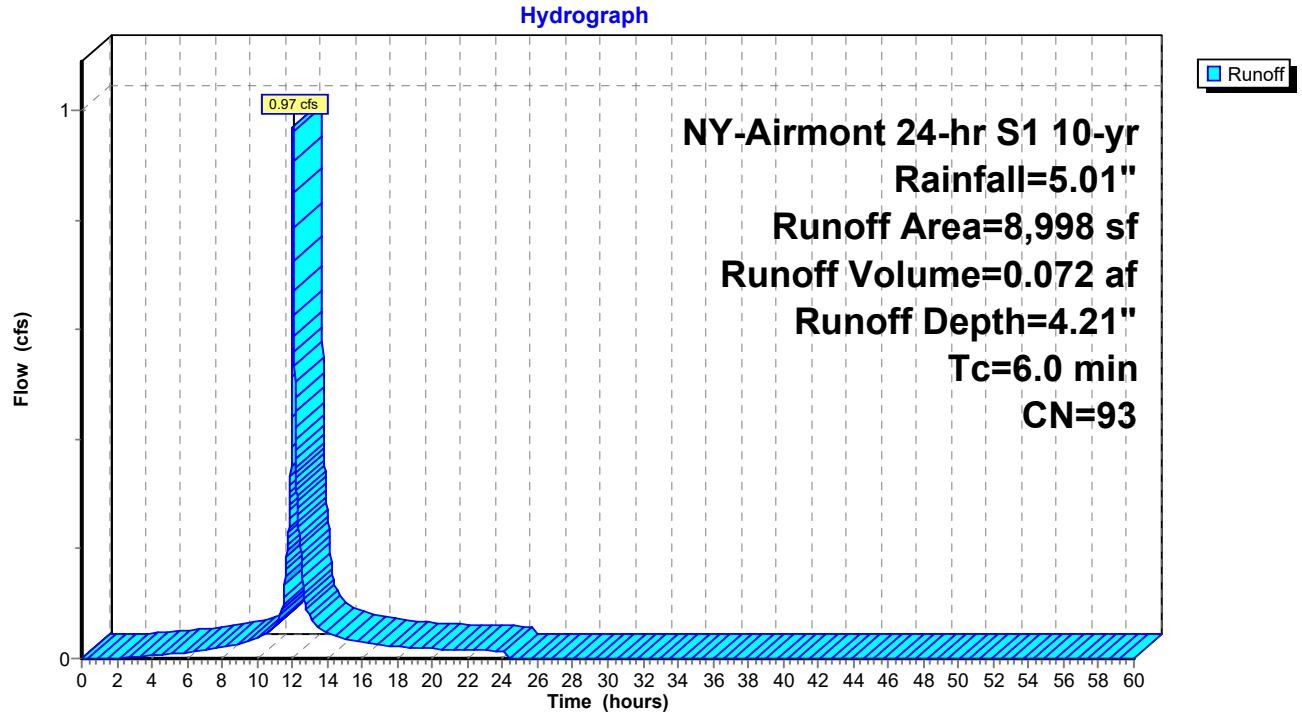
Runoff = 0.97 cfs @ 12.04 hrs, Volume= 0.072 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,766	74	>75% Grass cover, Good, HSG C
7,232	98	Paved parking, HSG C
8,998	93	Weighted Average
1,766		19.63% Pervious Area
7,232		80.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 13S: 13S



Summary for Subcatchment 14S: 14S

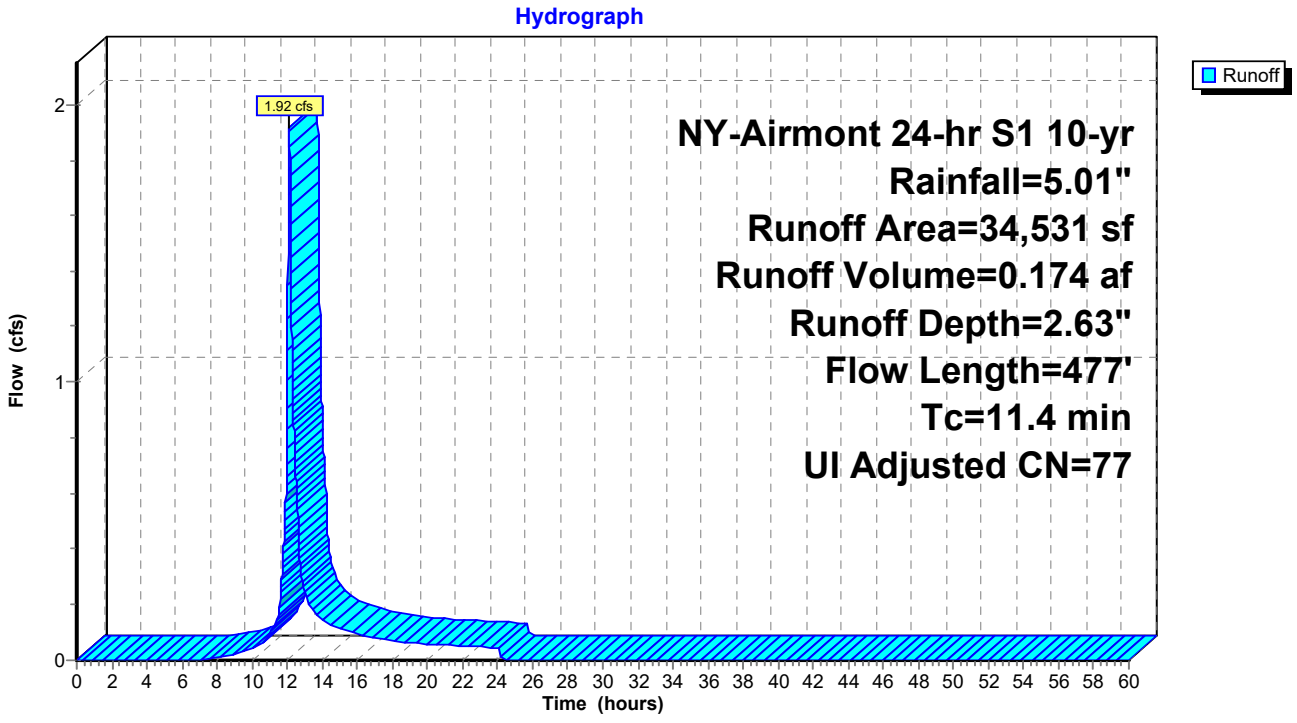
Runoff = 1.92 cfs @ 12.11 hrs, Volume= 0.174 af, Depth= 2.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Adj	Description
9,957	98		Unconnected pavement, HSG C
24,574	74		>75% Grass cover, Good, HSG C
34,531	81	77	Weighted Average, UI Adjusted
24,574			71.17% Pervious Area
9,957			28.83% Impervious Area
9,957			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	100	0.0600	0.27		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.2	377	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
11.4	477	Total			

Subcatchment 14S: 14S



Summary for Subcatchment 15S: 15S

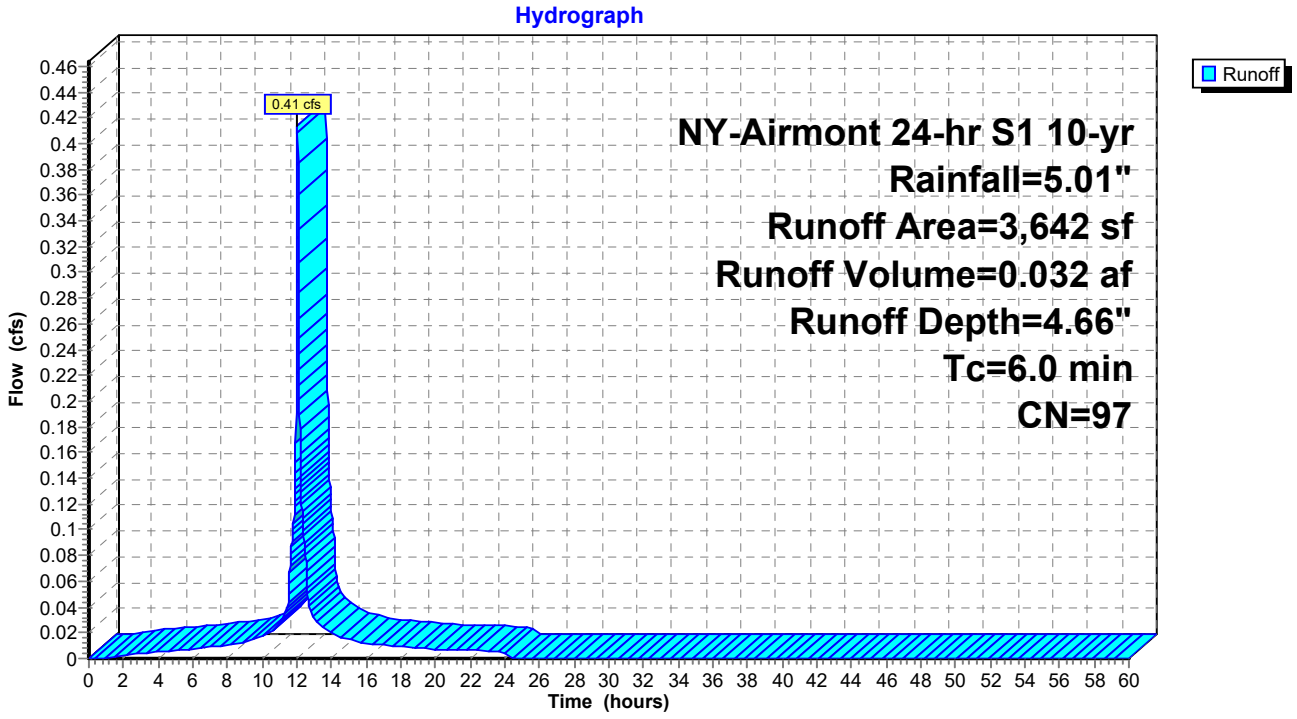
Runoff = 0.41 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 4.66"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
89	74	>75% Grass cover, Good, HSG C
3,553	98	Paved parking, HSG C
3,642	97	Weighted Average
89		2.44% Pervious Area
3,553		97.56% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 15S: 15S



Summary for Subcatchment 16S: 16S

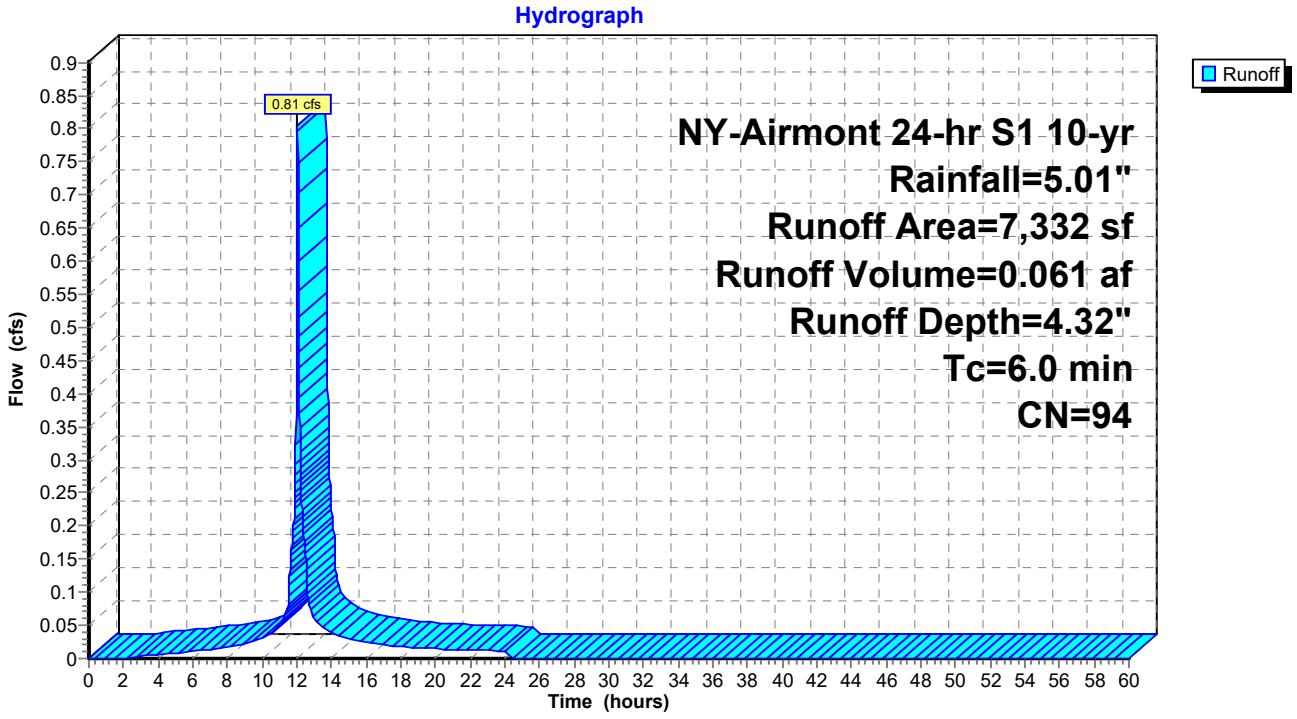
Runoff = 0.81 cfs @ 12.04 hrs, Volume= 0.061 af, Depth= 4.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,348	74	>75% Grass cover, Good, HSG C
5,984	98	Paved parking, HSG C
7,332	94	Weighted Average
1,348		18.39% Pervious Area
5,984		81.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 16S: 16S



Summary for Subcatchment 17S: 17S

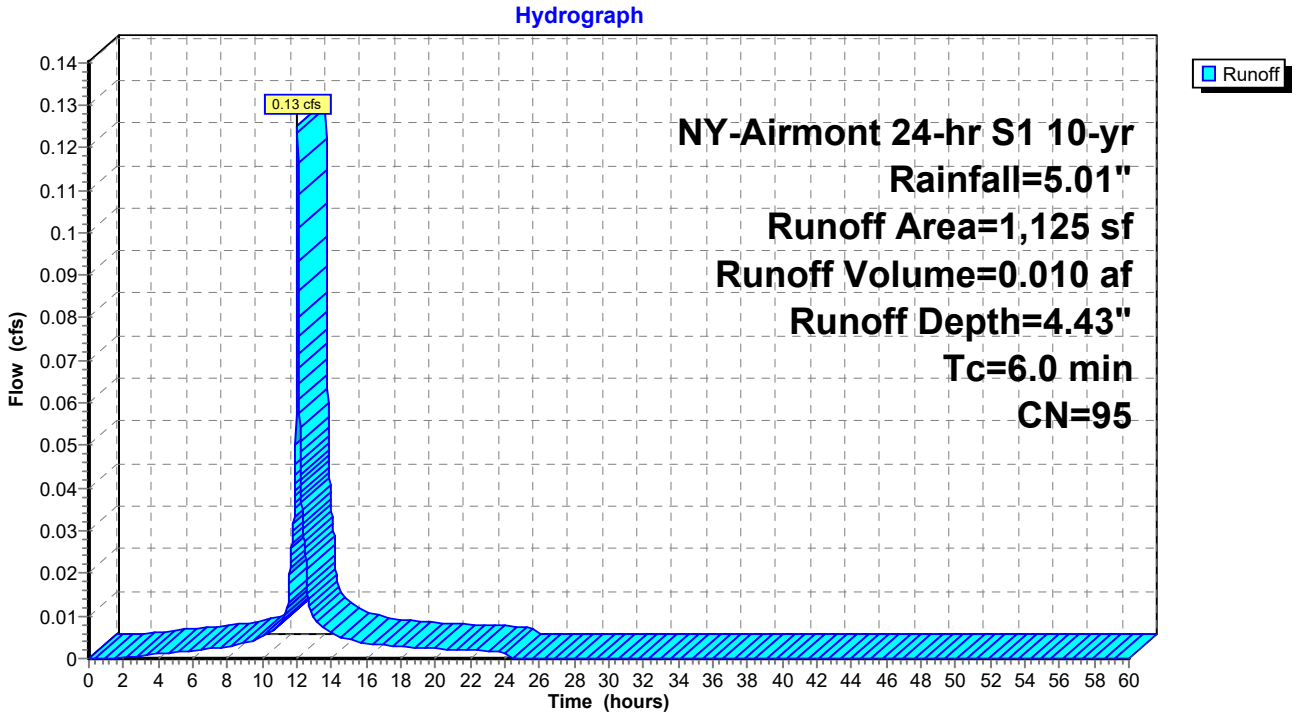
Runoff = 0.13 cfs @ 12.04 hrs, Volume= 0.010 af, Depth= 4.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
153	74	>75% Grass cover, Good, HSG C
972	98	Paved parking, HSG C
1,125	95	Weighted Average
153		13.60% Pervious Area
972		86.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 17S: 17S



Summary for Subcatchment 18S: 18S

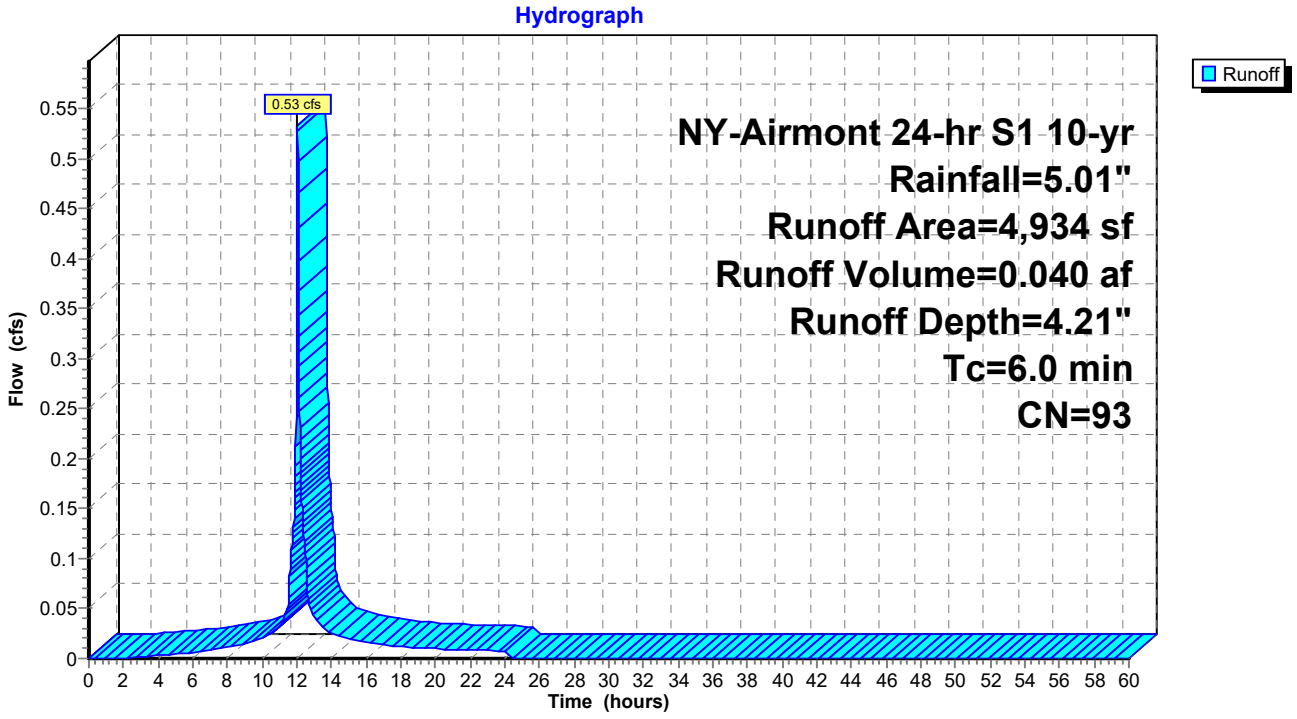
Runoff = 0.53 cfs @ 12.04 hrs, Volume= 0.040 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
974	74	>75% Grass cover, Good, HSG C
3,960	98	Paved parking, HSG C
4,934	93	Weighted Average
974		19.74% Pervious Area
3,960		80.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 18S: 18S



Summary for Subcatchment 19S: 19S

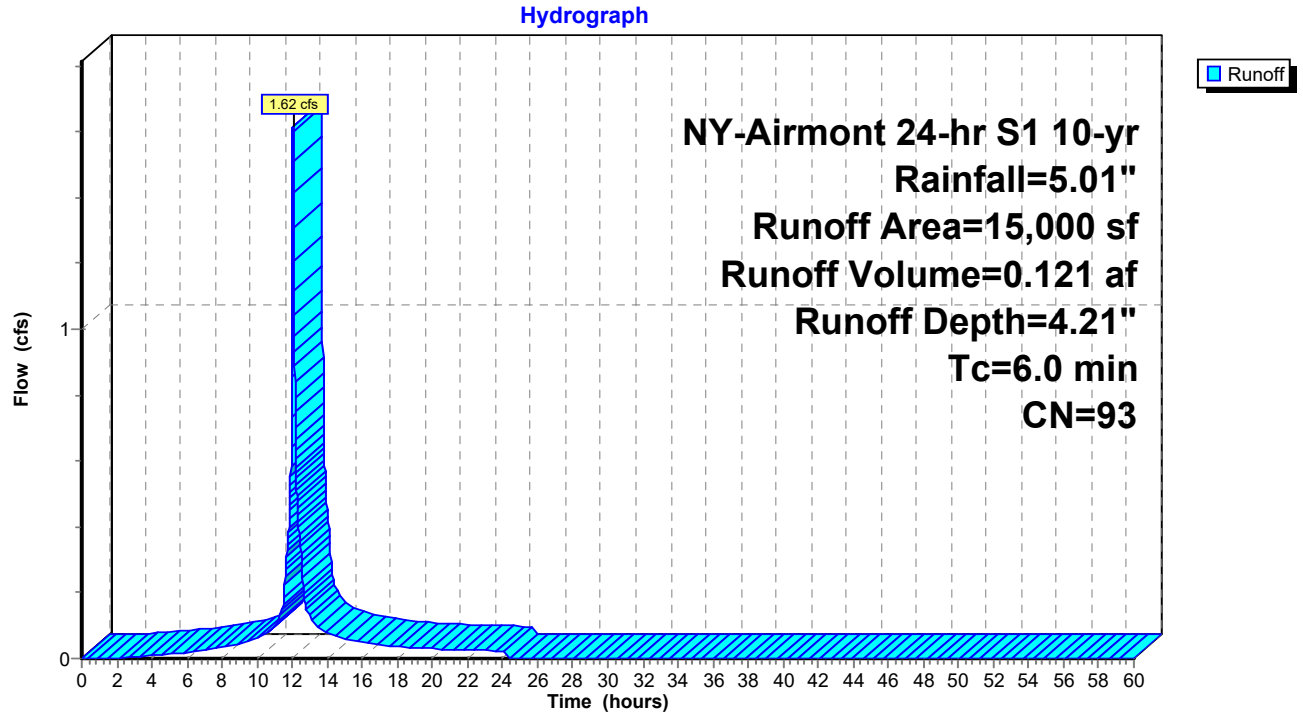
Runoff = 1.62 cfs @ 12.04 hrs, Volume= 0.121 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
2,892	74	>75% Grass cover, Good, HSG C
12,108	98	Paved parking, HSG C
15,000	93	Weighted Average
2,892		19.28% Pervious Area
12,108		80.72% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 19S: 19S



Summary for Subcatchment 20S: 20S

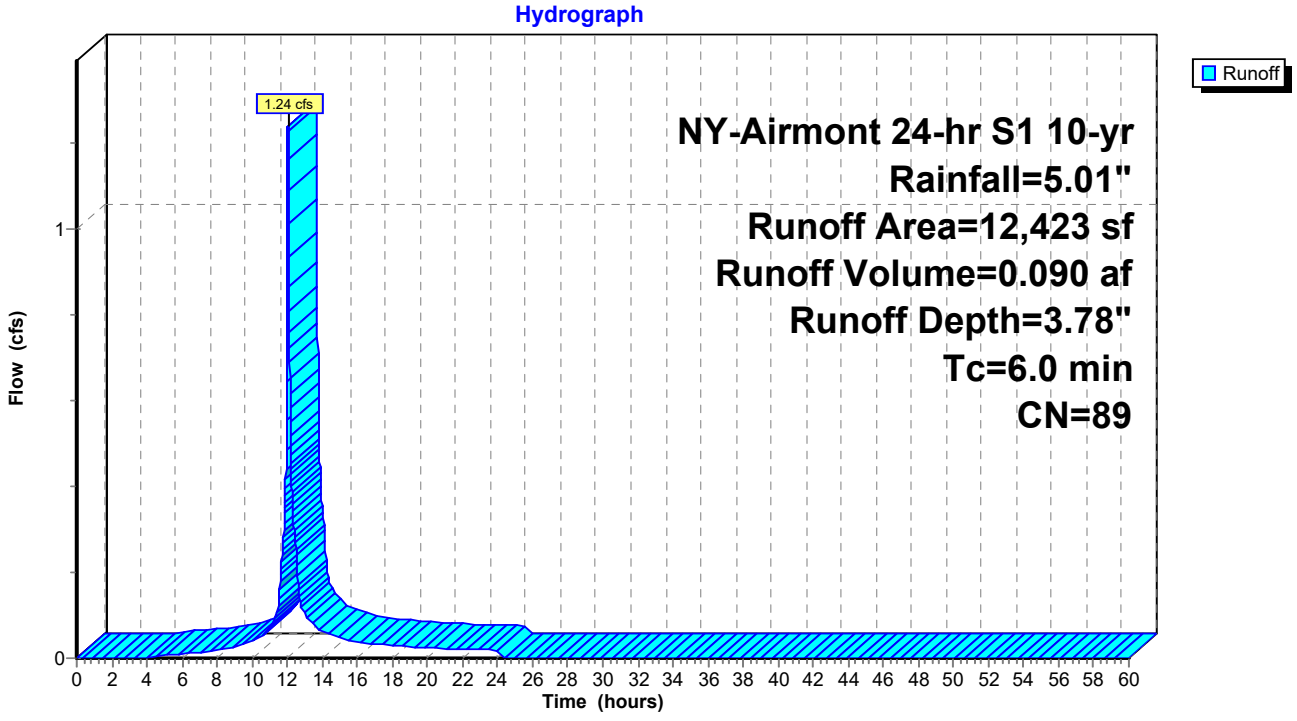
Runoff = 1.24 cfs @ 12.04 hrs, Volume= 0.090 af, Depth= 3.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
7,639	98	Unconnected pavement, HSG C
4,784	74	>75% Grass cover, Good, HSG C
12,423	89	Weighted Average
4,784		38.51% Pervious Area
7,639		61.49% Impervious Area
7,639		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 20S: 20S



Summary for Subcatchment 21S: 21S

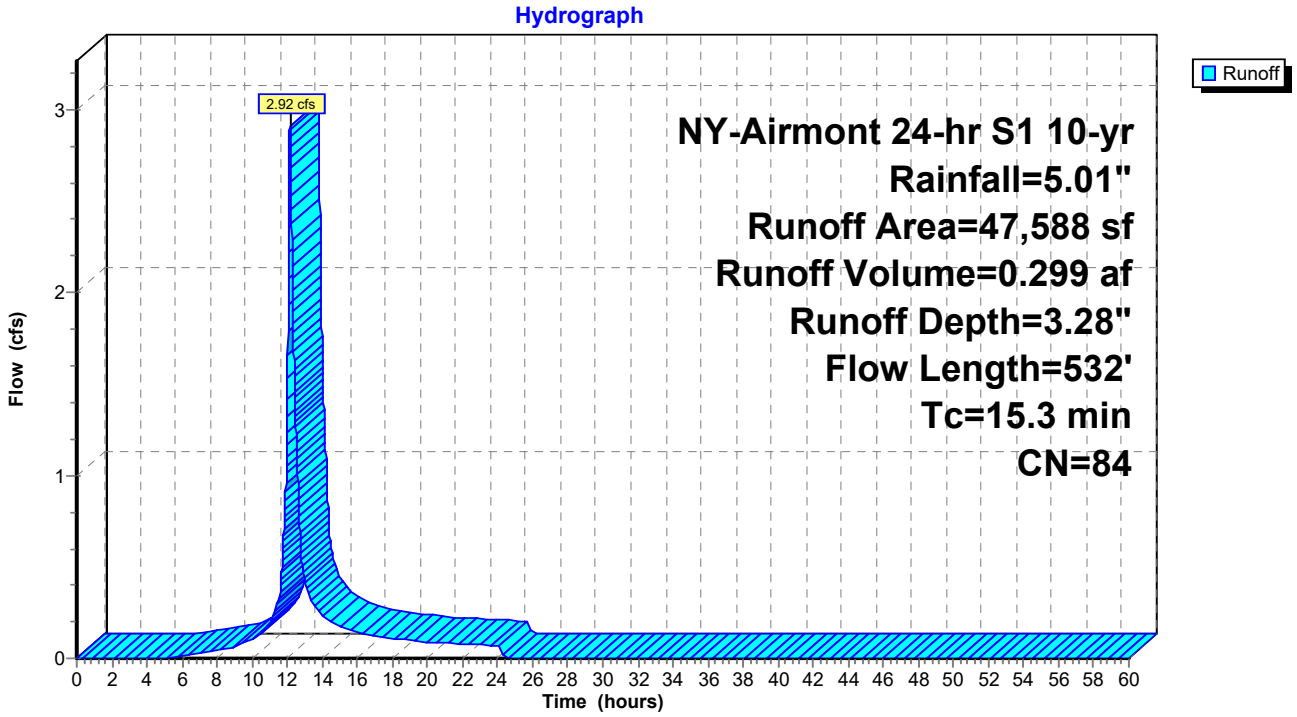
Runoff = 2.92 cfs @ 12.16 hrs, Volume= 0.299 af, Depth= 3.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
28,095	74	>75% Grass cover, Good, HSG C
19,493	98	Unconnected pavement, HSG C
47,588	84	Weighted Average
28,095		59.04% Pervious Area
19,493		40.96% Impervious Area
19,493		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0	59	0.0600	0.24		**Sheet Flow, SF1** Grass: Short n= 0.150 P2= 3.37"
2.7	41	0.0800	0.25		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
1.8	132	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
4.6	136	0.0050	0.49		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.2	20	0.1000	2.21		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
2.0	144	0.0300	1.21		**Shallow Concentrated Flow, SCF4** Short Grass Pasture Kv= 7.0 fps
15.3	532	Total			

Subcatchment 21S: 21S



Summary for Subcatchment 22S: 22S

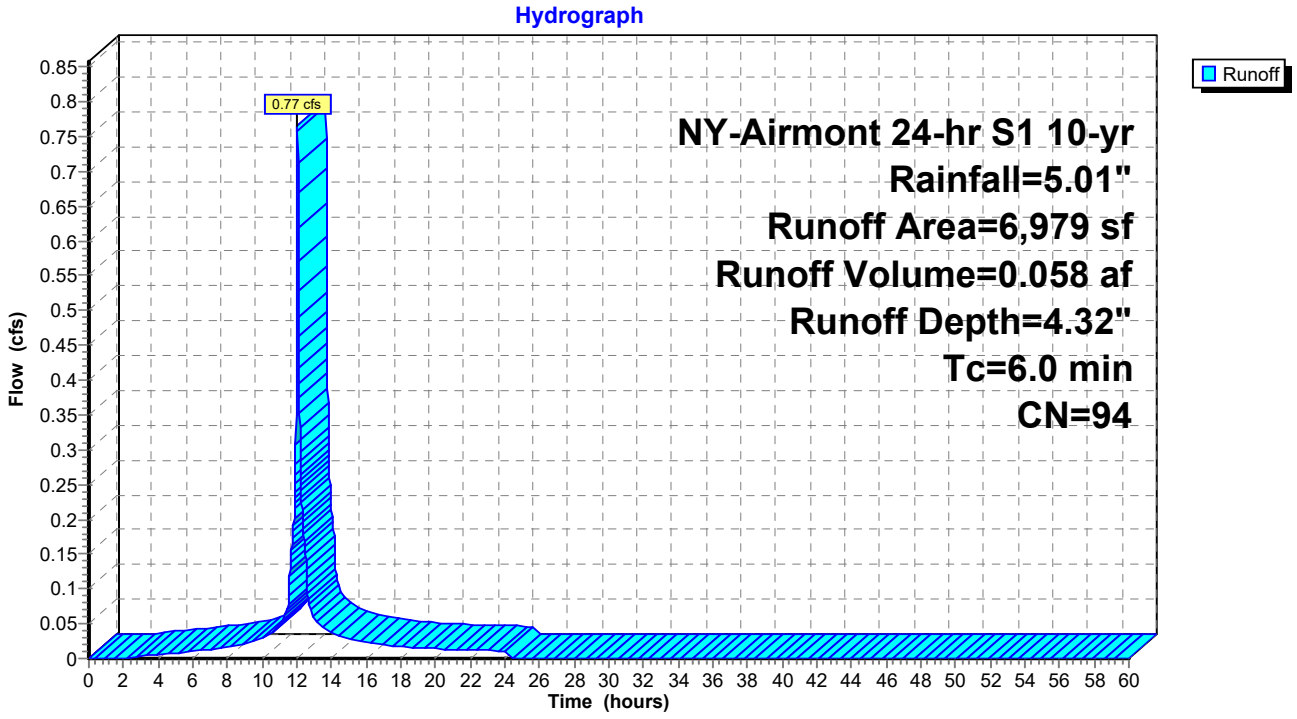
Runoff = 0.77 cfs @ 12.04 hrs, Volume= 0.058 af, Depth= 4.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,087	74	>75% Grass cover, Good, HSG C
5,892	98	Paved parking, HSG C
6,979	94	Weighted Average
1,087		15.58% Pervious Area
5,892		84.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 22S: 22S



Summary for Subcatchment 23S: 23S

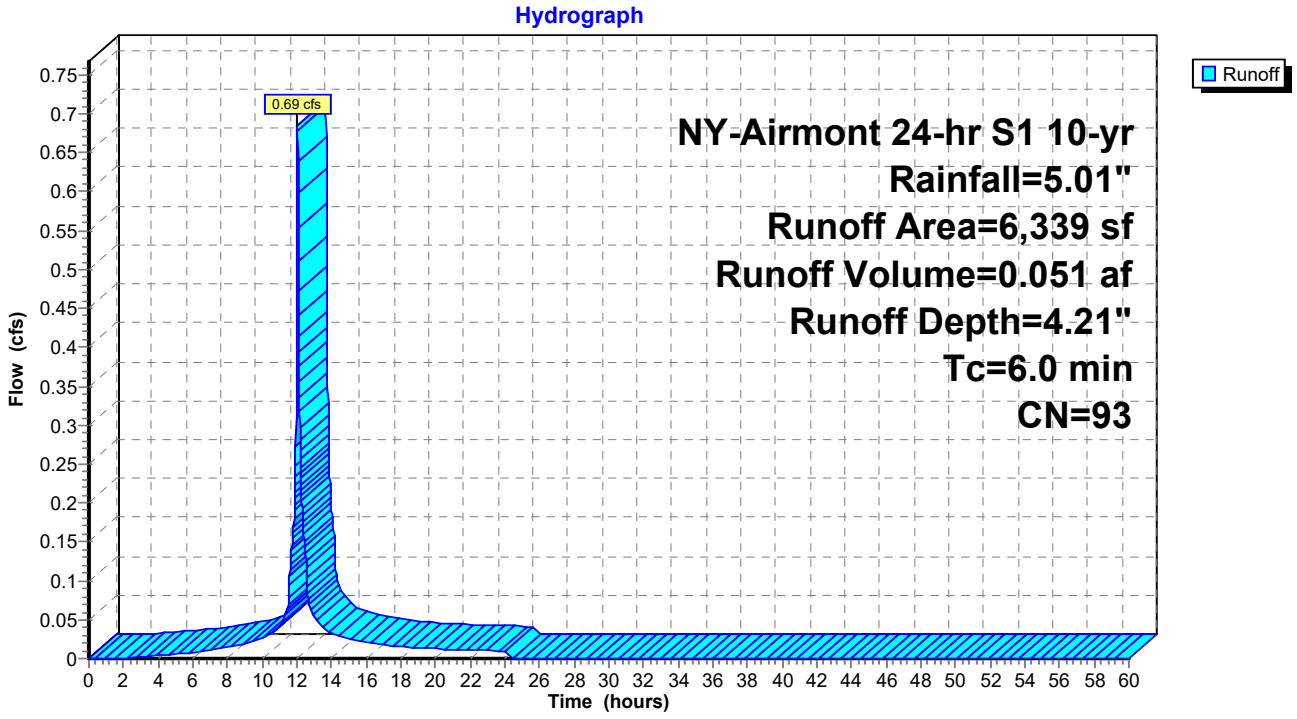
Runoff = 0.69 cfs @ 12.04 hrs, Volume= 0.051 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,368	74	>75% Grass cover, Good, HSG C
4,971	98	Paved parking, HSG C
6,339	93	Weighted Average
1,368		21.58% Pervious Area
4,971		78.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 23S: 23S



Summary for Subcatchment 24S: 24S

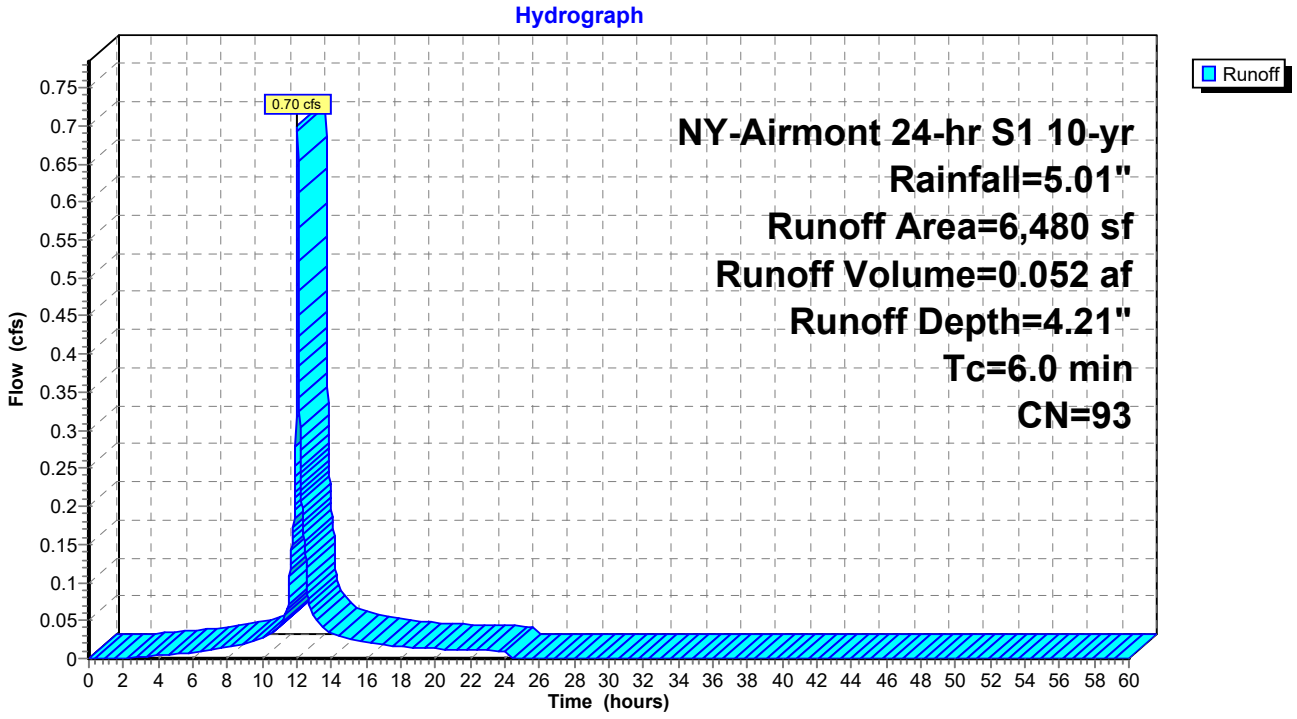
Runoff = 0.70 cfs @ 12.04 hrs, Volume= 0.052 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,407	74	>75% Grass cover, Good, HSG C
5,073	98	Paved parking, HSG C
6,480	93	Weighted Average
1,407		21.71% Pervious Area
5,073		78.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 24S: 24S



Summary for Subcatchment 25S: 25S

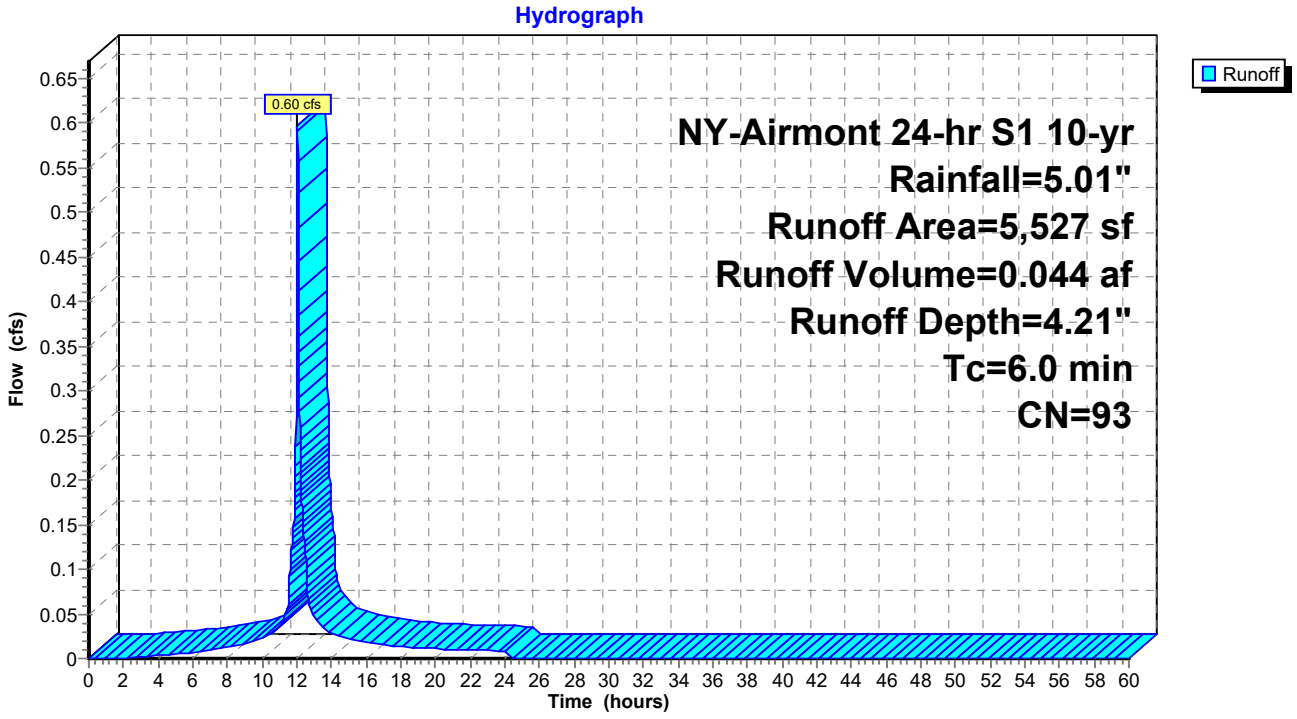
Runoff = 0.60 cfs @ 12.04 hrs, Volume= 0.044 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,206	74	>75% Grass cover, Good, HSG C
4,321	98	Paved parking, HSG C
5,527	93	Weighted Average
1,206		21.82% Pervious Area
4,321		78.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 25S: 25S



Summary for Subcatchment 26S: 26S

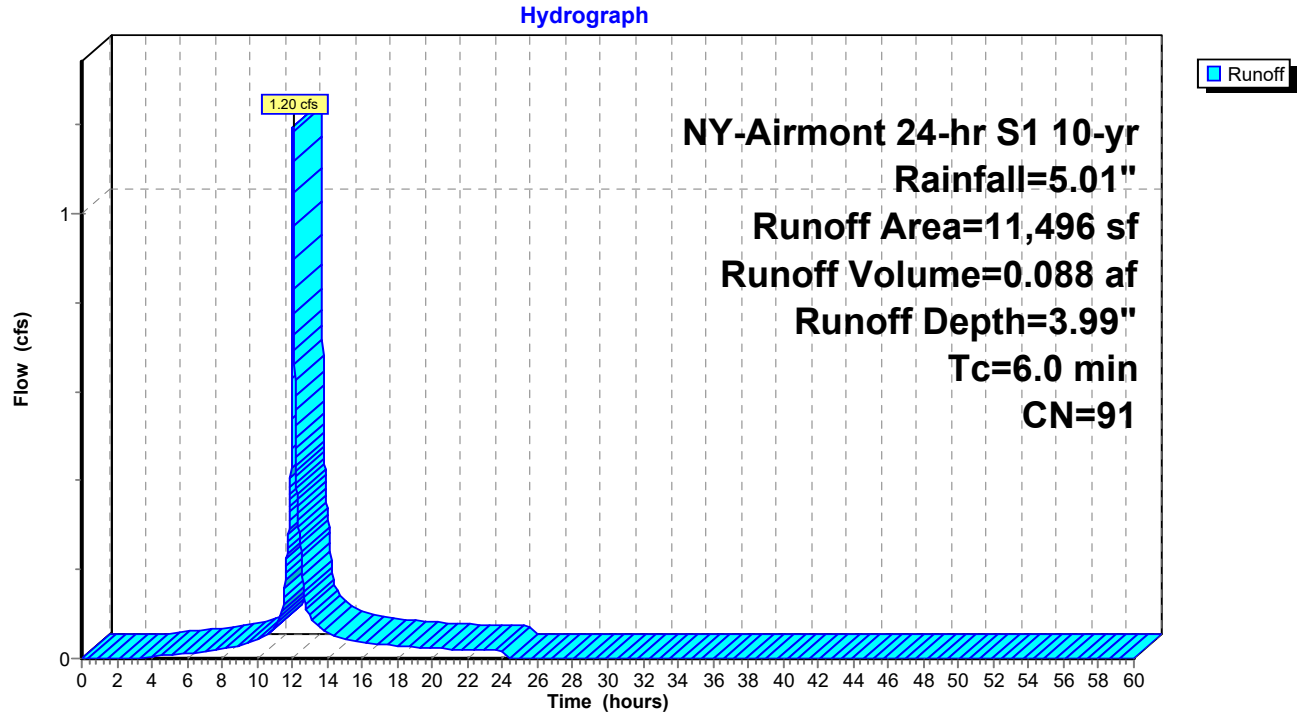
Runoff = 1.20 cfs @ 12.04 hrs, Volume= 0.088 af, Depth= 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
3,319	74	>75% Grass cover, Good, HSG C
8,177	98	Paved parking, HSG C
11,496	91	Weighted Average
3,319		28.87% Pervious Area
8,177		71.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 26S: 26S



Summary for Subcatchment 27S: 27S

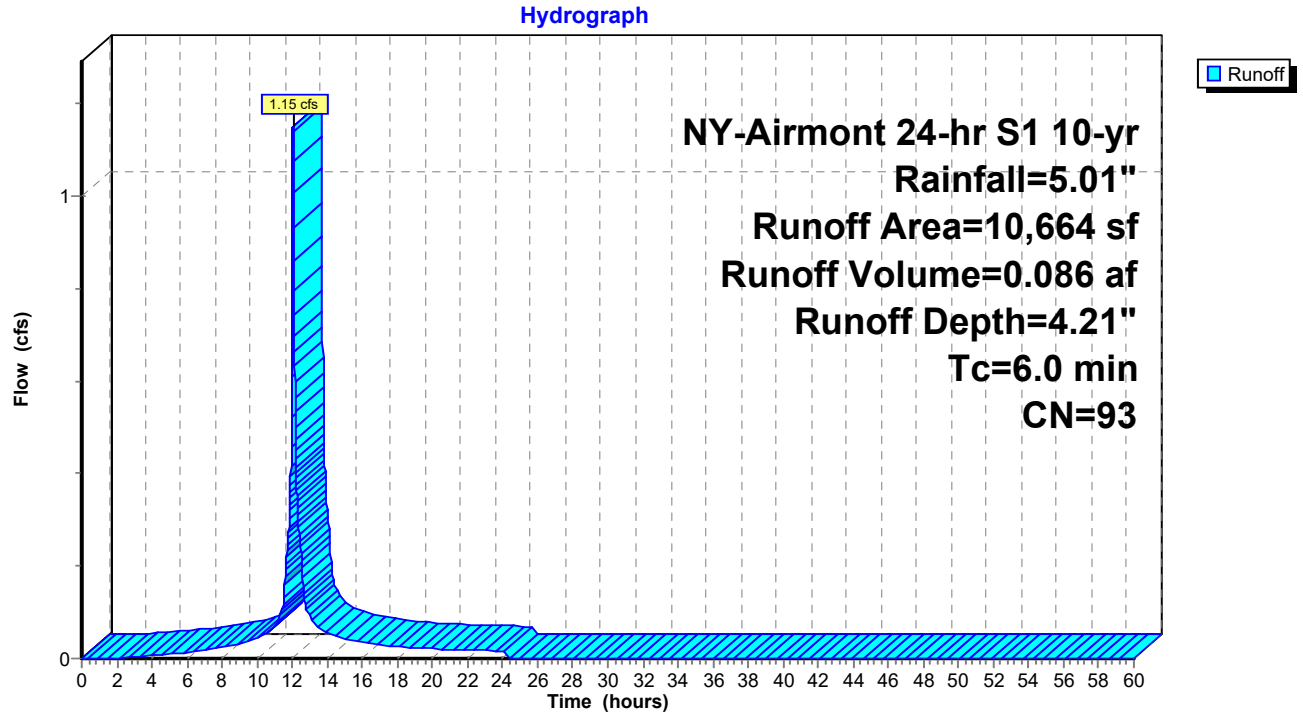
Runoff = 1.15 cfs @ 12.04 hrs, Volume= 0.086 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
2,160	74	>75% Grass cover, Good, HSG C
8,504	98	Paved parking, HSG C
10,664	93	Weighted Average
2,160		20.26% Pervious Area
8,504		79.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 27S: 27S



Summary for Subcatchment 28S: 28S

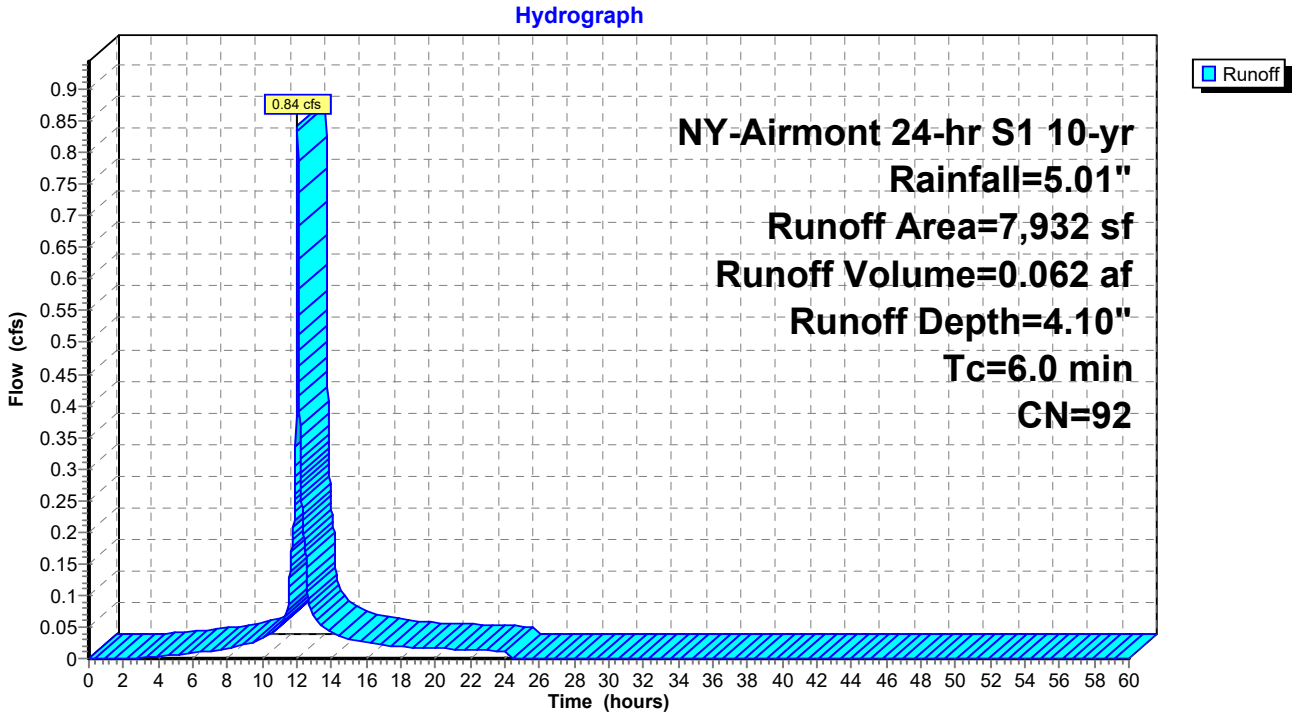
Runoff = 0.84 cfs @ 12.04 hrs, Volume= 0.062 af, Depth= 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,916	74	>75% Grass cover, Good, HSG C
6,016	98	Paved parking, HSG C
7,932	92	Weighted Average
1,916		24.16% Pervious Area
6,016		75.84% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 28S: 28S



Summary for Subcatchment 29S: 29S

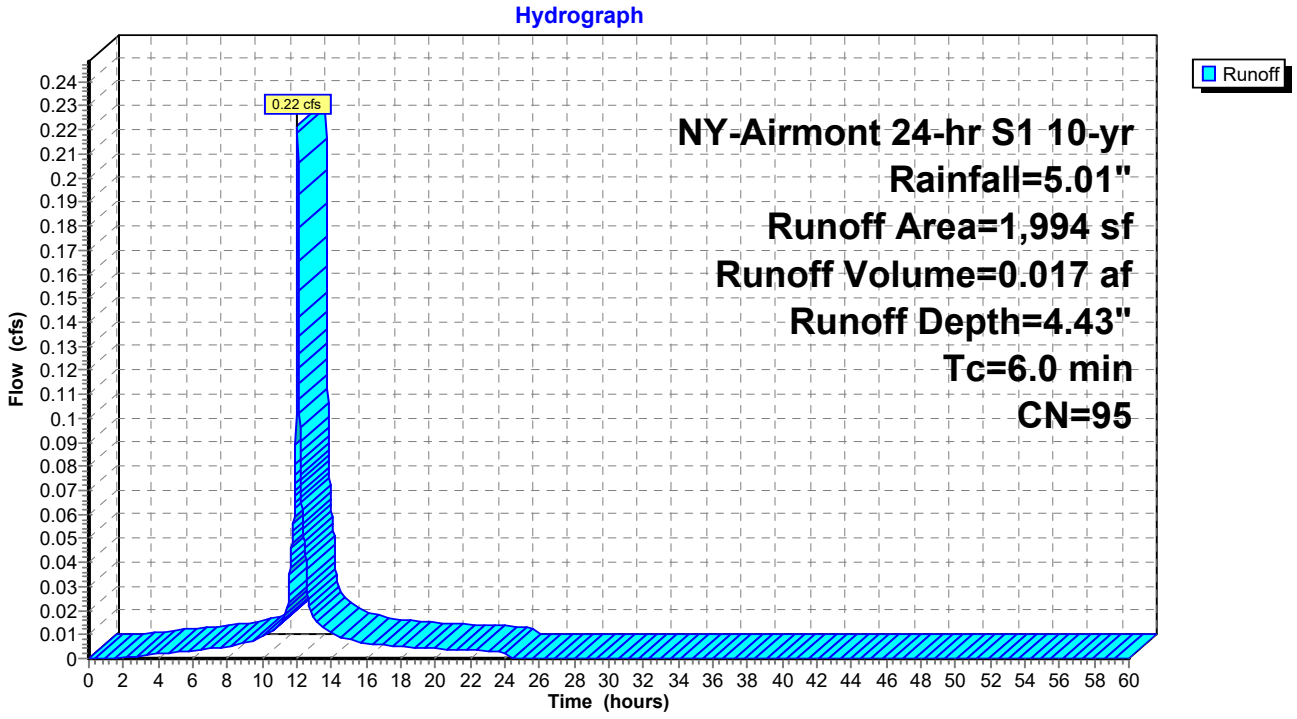
Runoff = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af, Depth= 4.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
279	74	>75% Grass cover, Good, HSG C
1,715	98	Paved parking, HSG C
1,994	95	Weighted Average
279		13.99% Pervious Area
1,715		86.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 29S: 29S



Summary for Subcatchment 30S: 30S

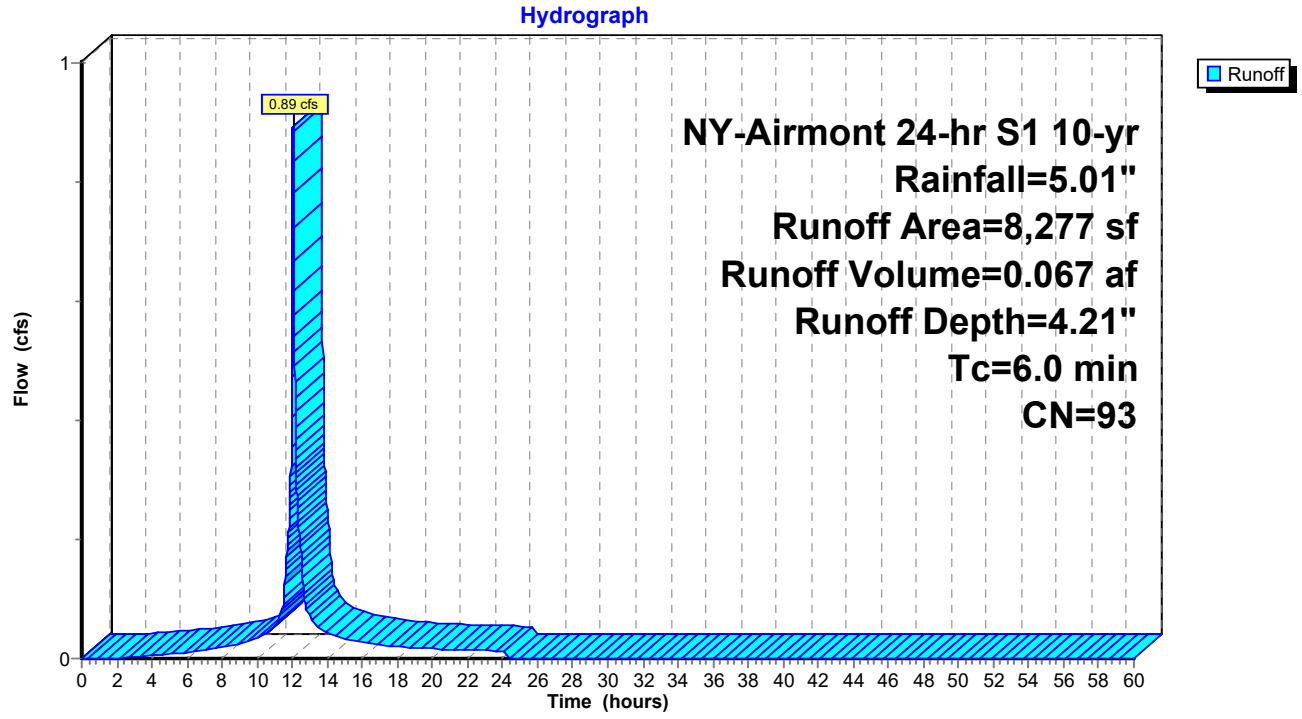
Runoff = 0.89 cfs @ 12.04 hrs, Volume= 0.067 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,627	74	>75% Grass cover, Good, HSG C
6,650	98	Paved parking, HSG C
8,277	93	Weighted Average
1,627		19.66% Pervious Area
6,650		80.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 30S: 30S



Summary for Subcatchment 31S: 31S

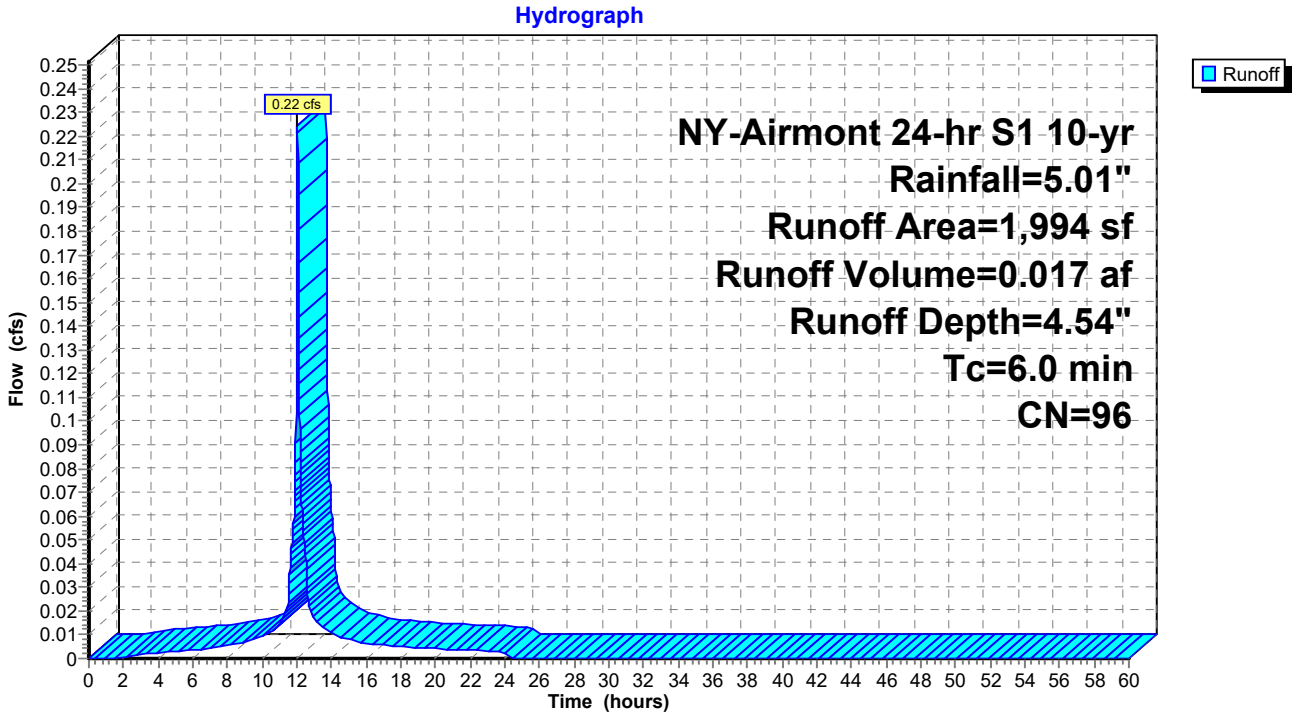
Runoff = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af, Depth= 4.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
207	74	>75% Grass cover, Good, HSG C
1,787	98	Paved parking, HSG C
1,994	96	Weighted Average
207		10.38% Pervious Area
1,787		89.62% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 31S: 31S



Summary for Subcatchment 32S: 32S

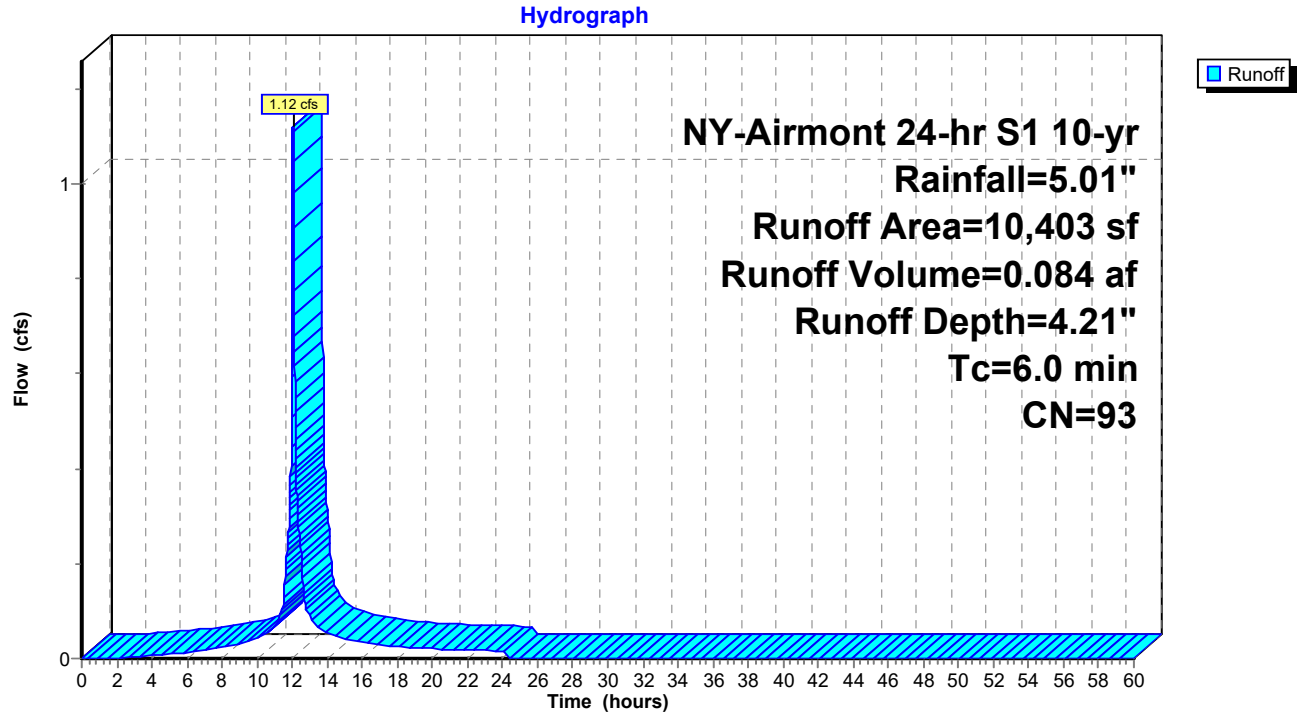
Runoff = 1.12 cfs @ 12.04 hrs, Volume= 0.084 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
2,229	74	>75% Grass cover, Good, HSG C
8,174	98	Paved parking, HSG C
10,403	93	Weighted Average
2,229		21.43% Pervious Area
8,174		78.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 32S: 32S



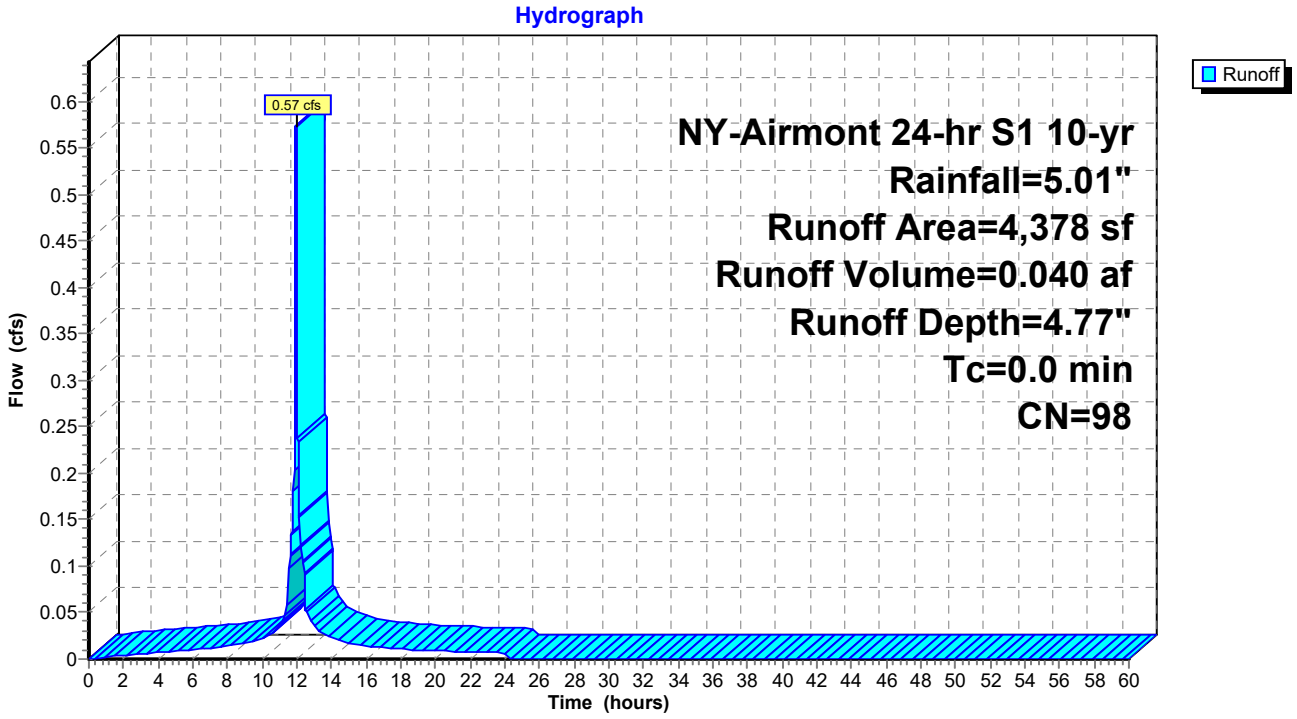
Summary for Subcatchment 35S: DA-33

Runoff = 0.57 cfs @ 11.99 hrs, Volume= 0.040 af, Depth= 4.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
4,378	98	Paved parking, HSG C
4,378		100.00% Impervious Area

Subcatchment 35S: DA-33



Summary for Subcatchment 36S: 36S

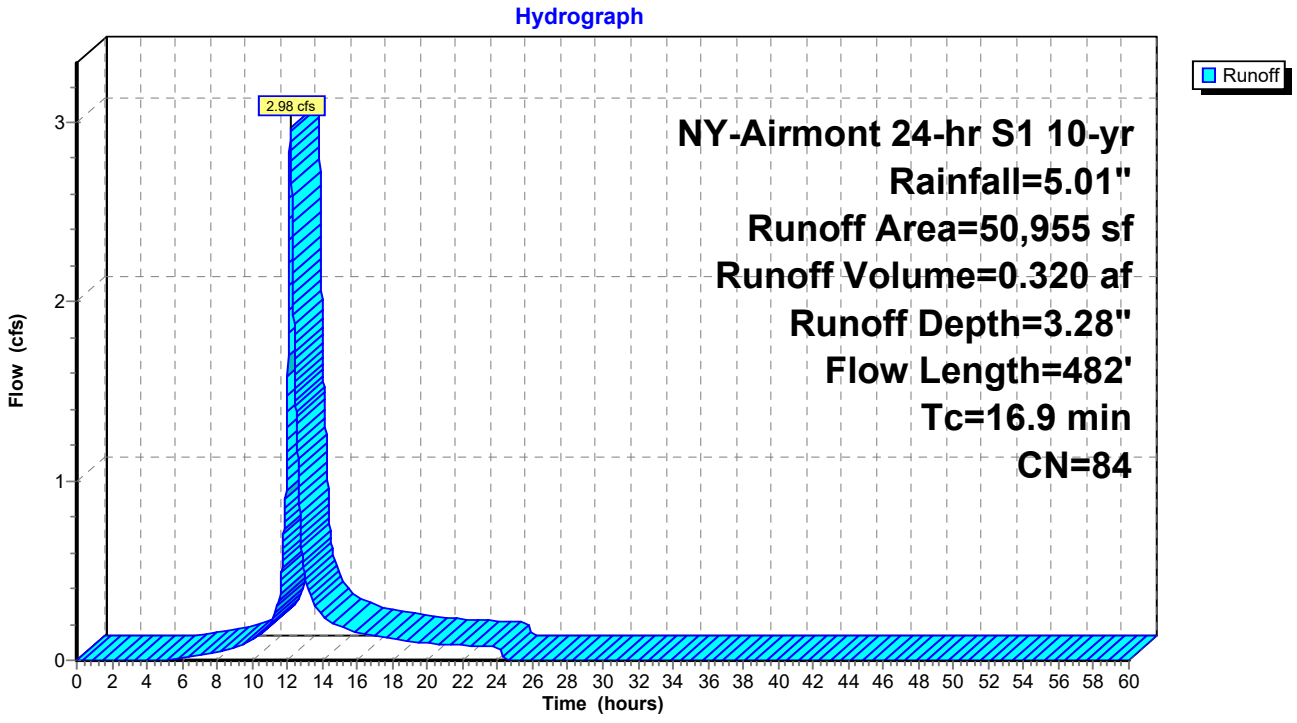
Runoff = 2.98 cfs @ 12.19 hrs, Volume= 0.320 af, Depth= 3.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
30,182	74	>75% Grass cover, Good, HSG C
20,773	98	Unconnected pavement, HSG C
50,955	84	Weighted Average
30,182		59.23% Pervious Area
20,773		40.77% Impervious Area
20,773		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	100	0.0200	0.17		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
7.4	382	0.0150	0.86		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
16.9	482	Total			

Subcatchment 36S: 36S



Summary for Subcatchment 37S: 37S

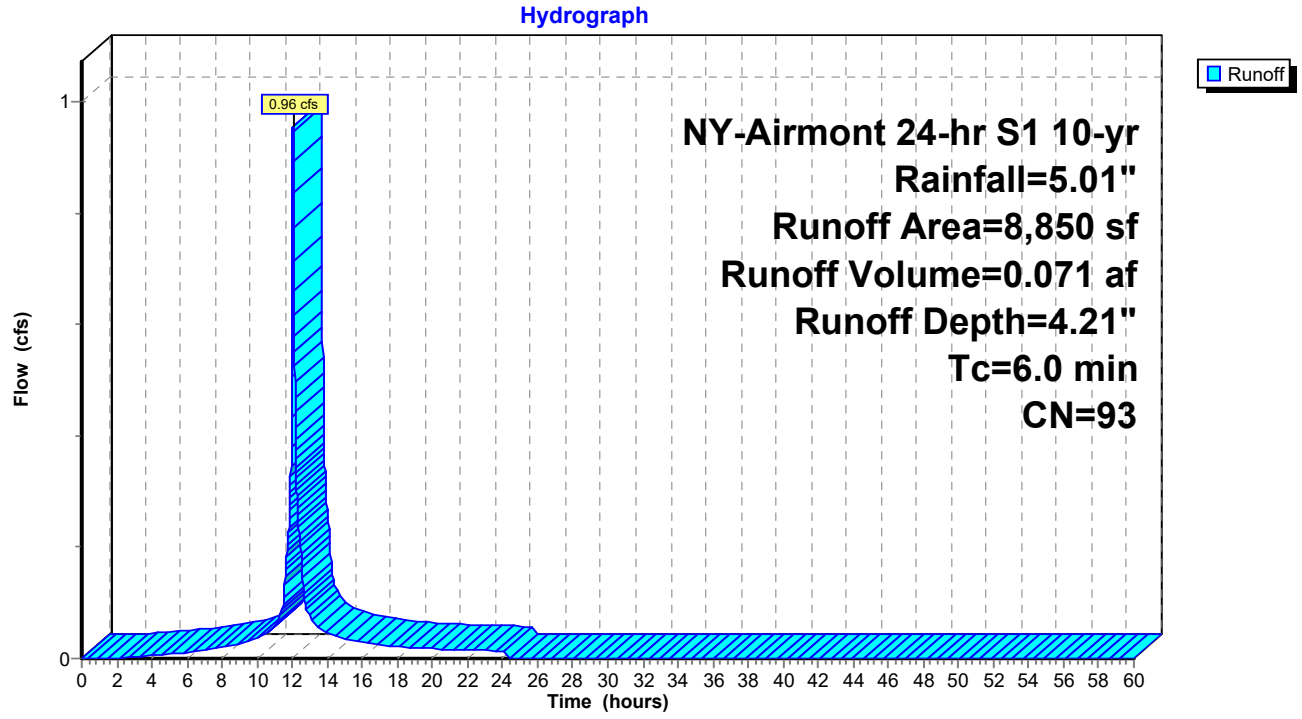
Runoff = 0.96 cfs @ 12.04 hrs, Volume= 0.071 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,782	74	>75% Grass cover, Good, HSG C
7,068	98	Paved parking, HSG C
8,850	93	Weighted Average
1,782		20.14% Pervious Area
7,068		79.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 37S: 37S



Summary for Subcatchment 38S: 38S

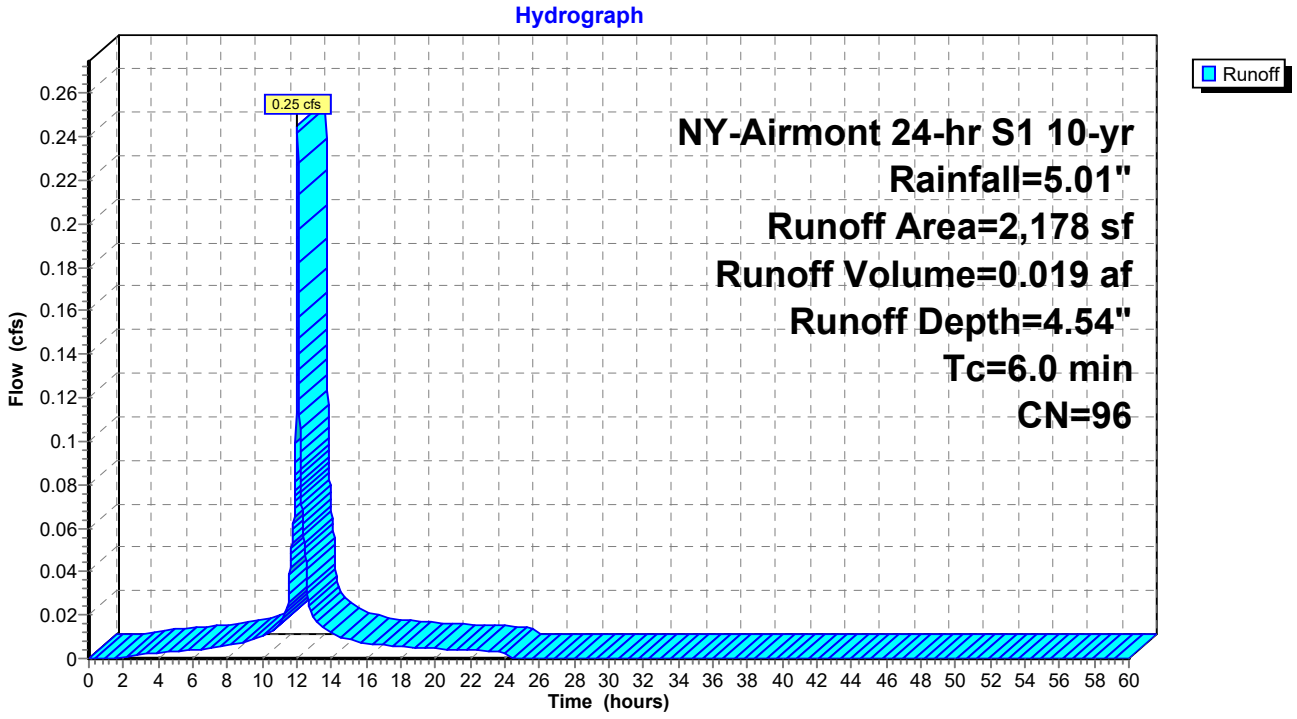
Runoff = 0.25 cfs @ 12.04 hrs, Volume= 0.019 af, Depth= 4.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
218	74	>75% Grass cover, Good, HSG C
1,960	98	Paved parking, HSG C
2,178	96	Weighted Average
218		10.01% Pervious Area
1,960		89.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 38S: 38S



Summary for Subcatchment 39S: 39S

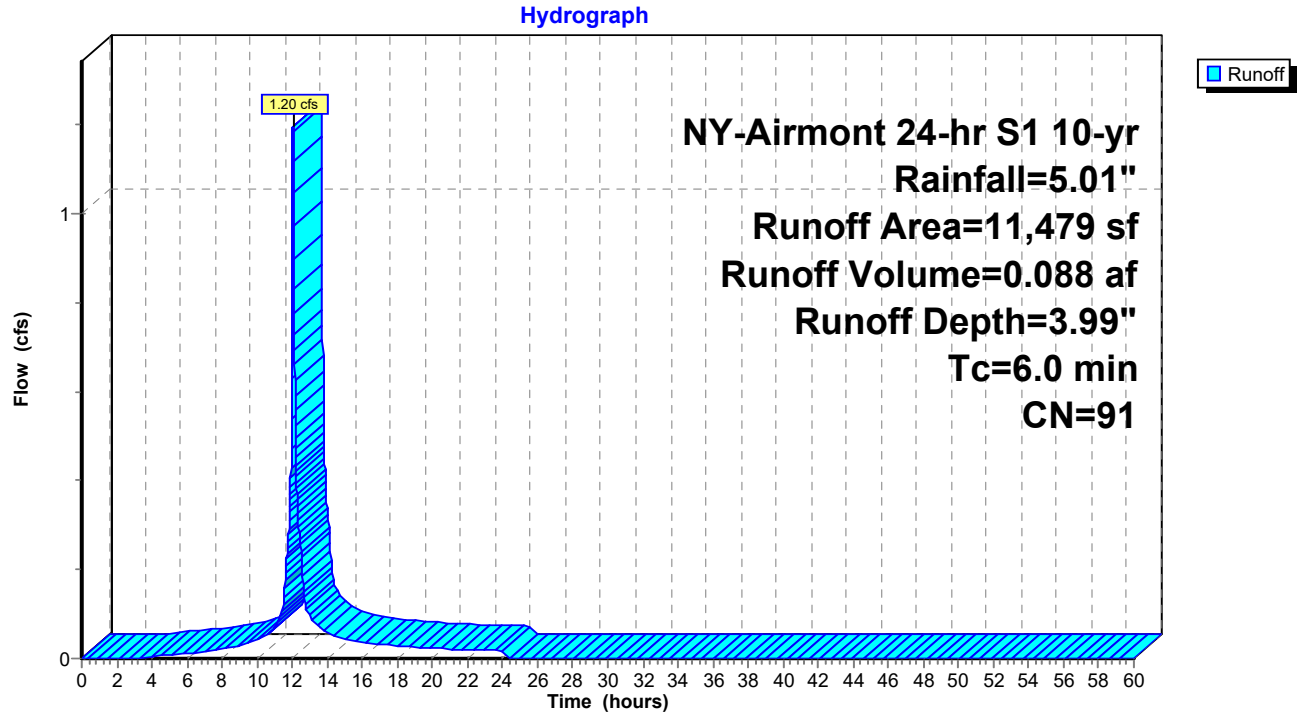
Runoff = 1.20 cfs @ 12.04 hrs, Volume= 0.088 af, Depth= 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
3,296	74	>75% Grass cover, Good, HSG C
8,183	98	Paved parking, HSG C
11,479	91	Weighted Average
3,296		28.71% Pervious Area
8,183		71.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 39S: 39S



Summary for Subcatchment 40S: 40S

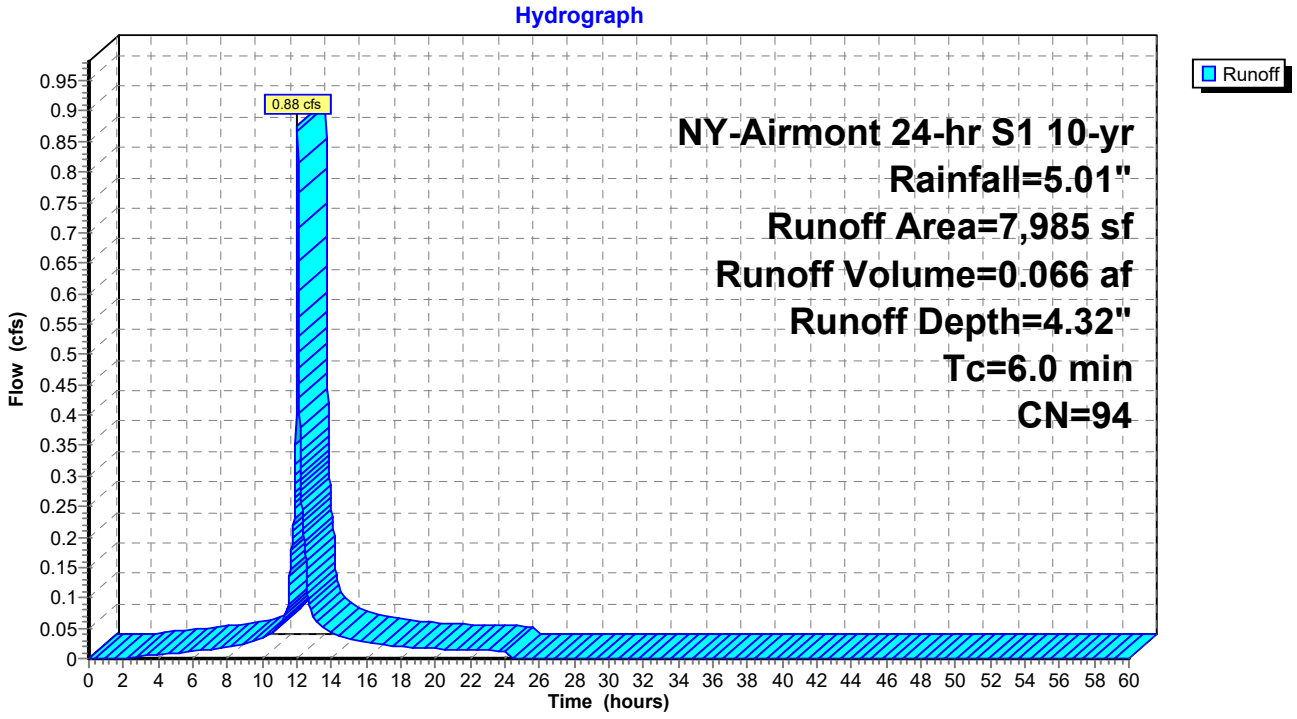
Runoff = 0.88 cfs @ 12.04 hrs, Volume= 0.066 af, Depth= 4.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,808	98	Paved parking, HSG C
7,985	94	Weighted Average
1,177		14.74% Pervious Area
6,808		85.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 40S: 40S



Summary for Subcatchment 41S: 41S

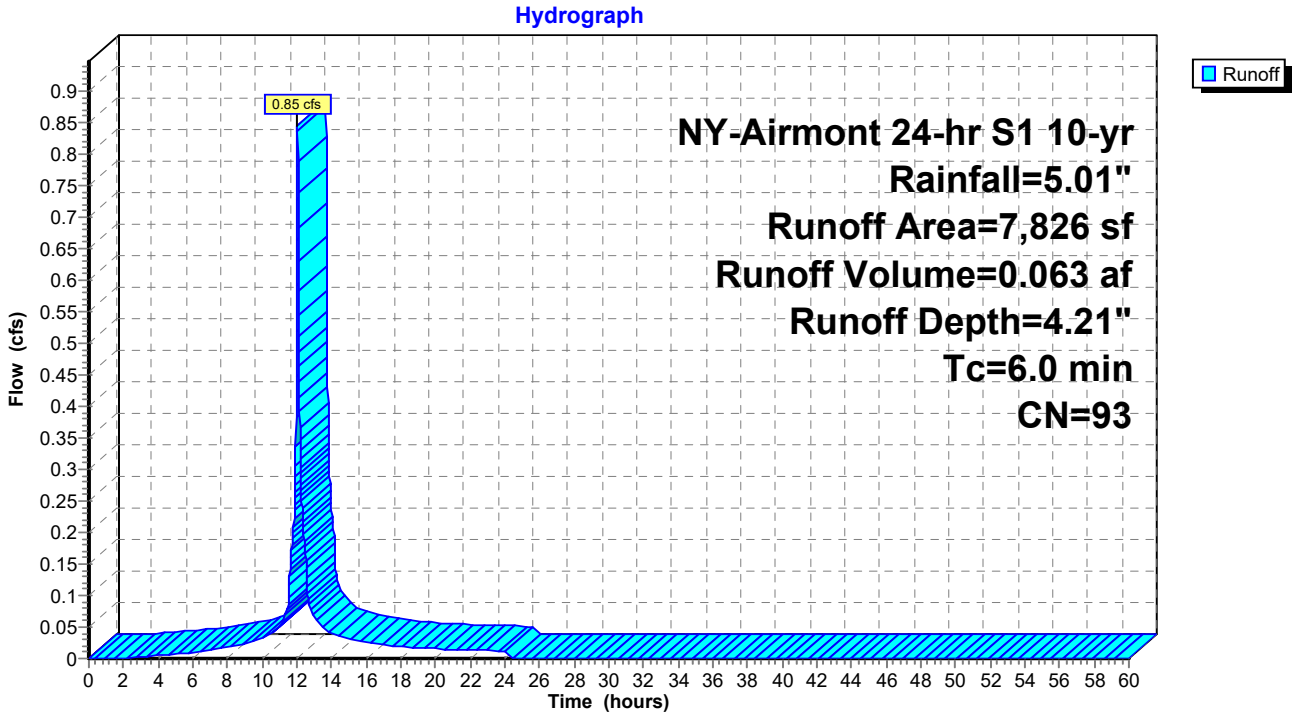
Runoff = 0.85 cfs @ 12.04 hrs, Volume= 0.063 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,777	74	>75% Grass cover, Good, HSG C
6,049	98	Paved parking, HSG C
7,826	93	Weighted Average
1,777		22.71% Pervious Area
6,049		77.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 41S: 41S



Summary for Subcatchment 42S: 42S

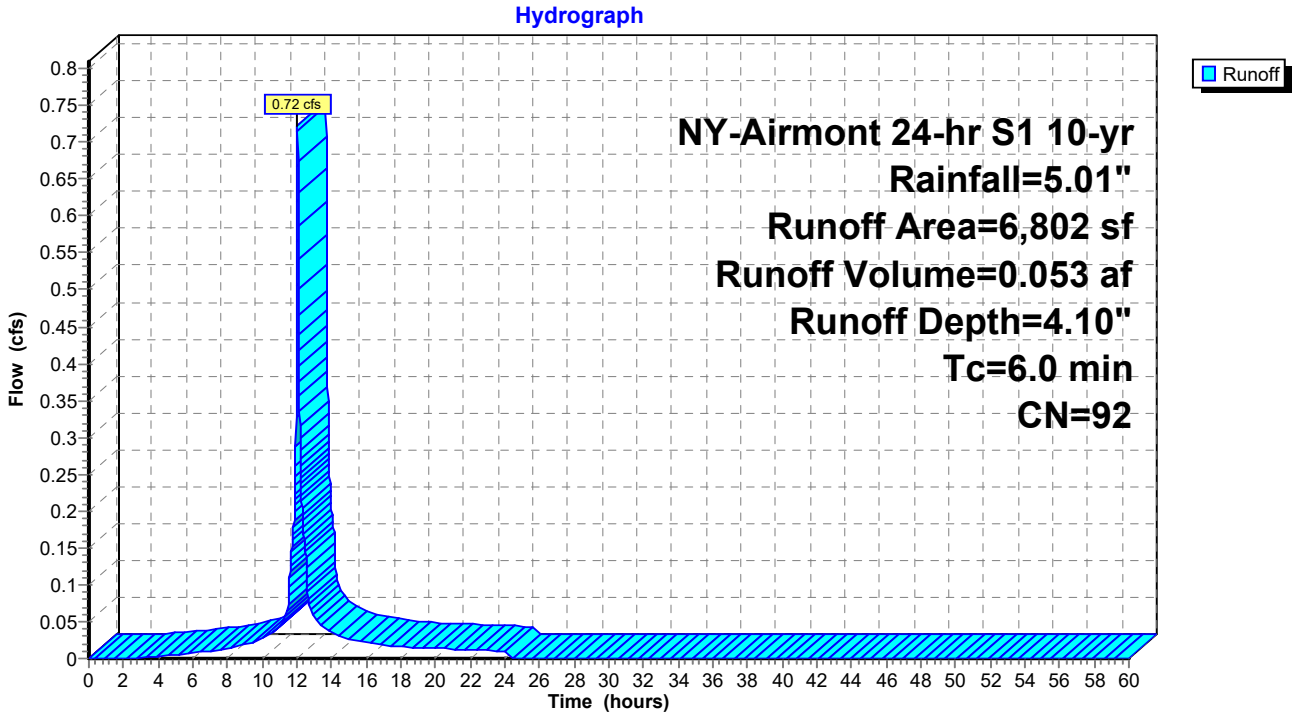
Runoff = 0.72 cfs @ 12.04 hrs, Volume= 0.053 af, Depth= 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,609	74	>75% Grass cover, Good, HSG C
5,193	98	Paved parking, HSG C
6,802	92	Weighted Average
1,609		23.65% Pervious Area
5,193		76.35% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 42S: 42S



Summary for Subcatchment 43S: 43S

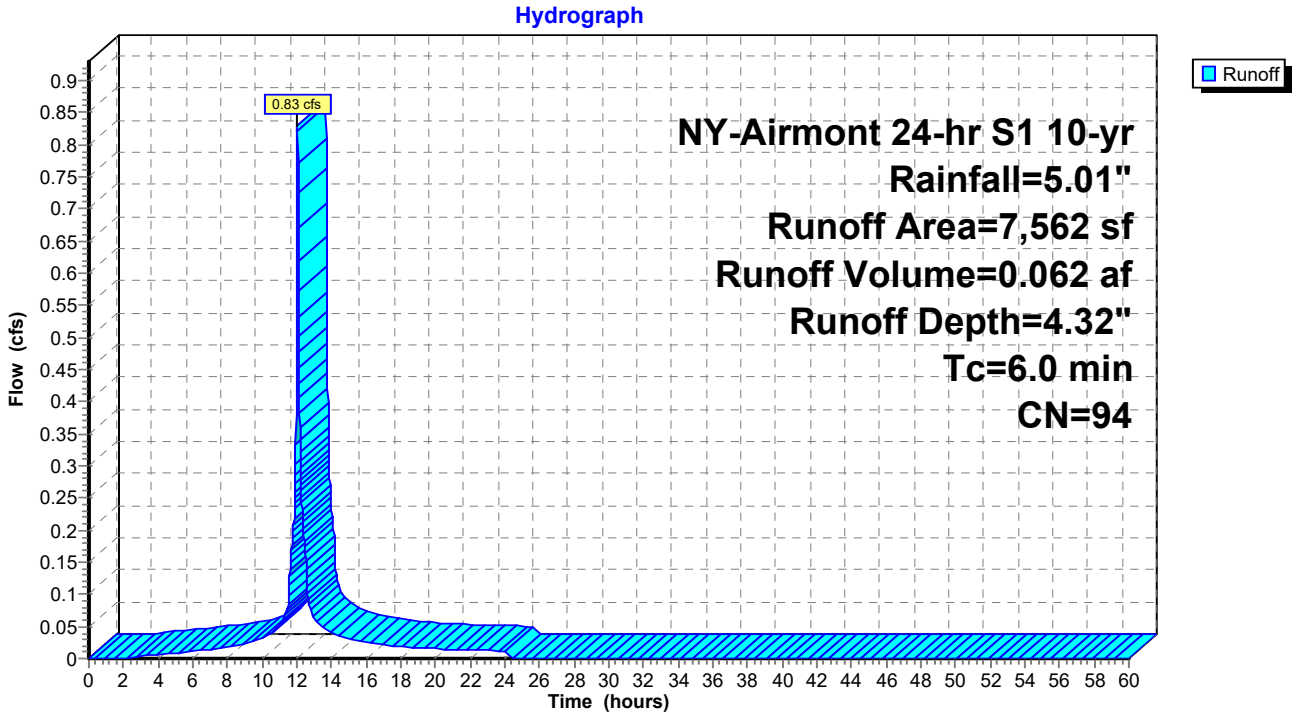
Runoff = 0.83 cfs @ 12.04 hrs, Volume= 0.062 af, Depth= 4.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,385	98	Paved parking, HSG C
7,562	94	Weighted Average
1,177		15.56% Pervious Area
6,385		84.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 43S: 43S



Summary for Subcatchment 44S: 44S

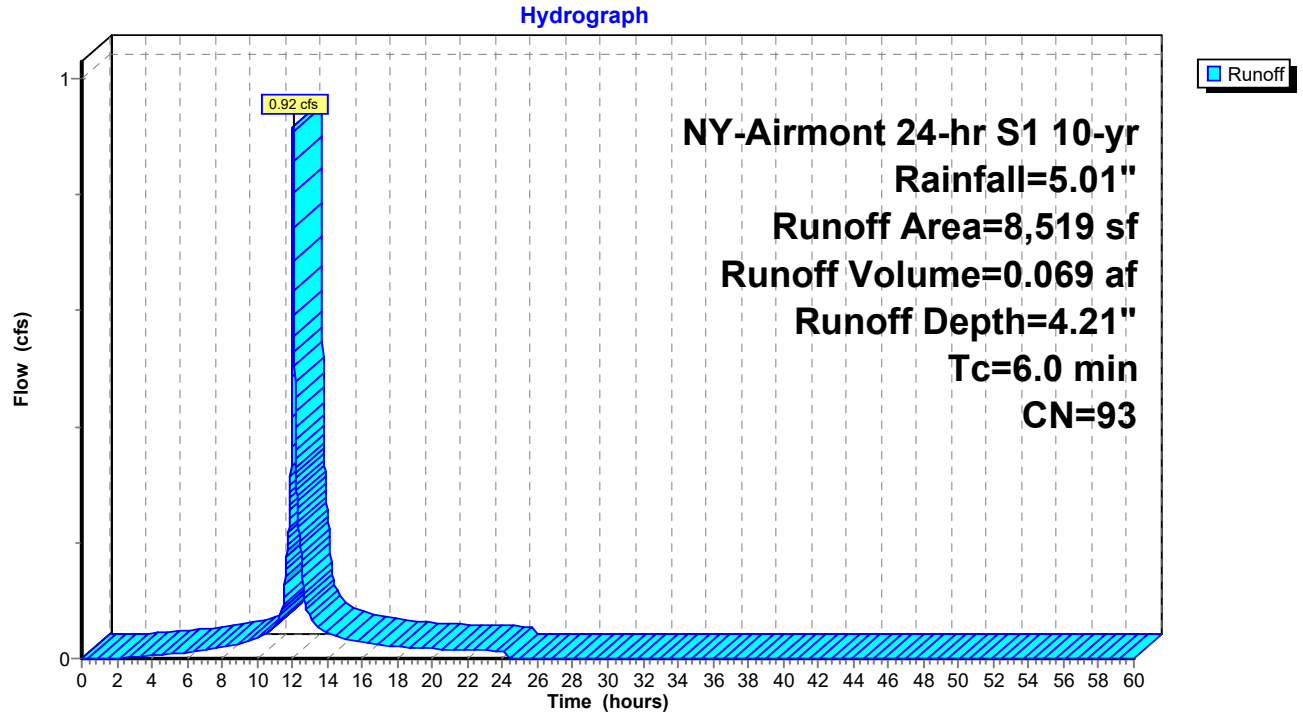
Runoff = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,832	74	>75% Grass cover, Good, HSG C
6,687	98	Paved parking, HSG C
8,519	93	Weighted Average
1,832		21.50% Pervious Area
6,687		78.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 44S: 44S



Summary for Subcatchment 45S: 45S

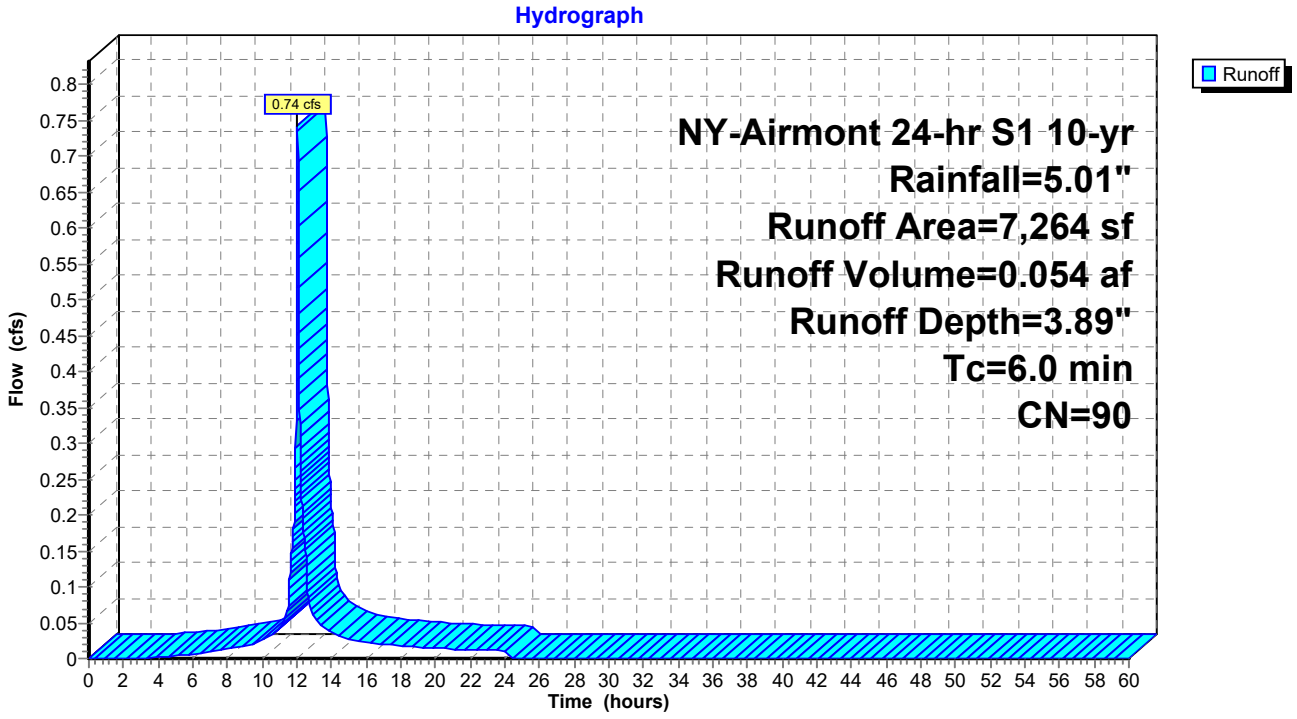
Runoff = 0.74 cfs @ 12.04 hrs, Volume= 0.054 af, Depth= 3.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
2,319	74	>75% Grass cover, Good, HSG C
4,945	98	Paved parking, HSG C
7,264	90	Weighted Average
2,319		31.92% Pervious Area
4,945		68.08% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 45S: 45S



Summary for Subcatchment 46S: 46S

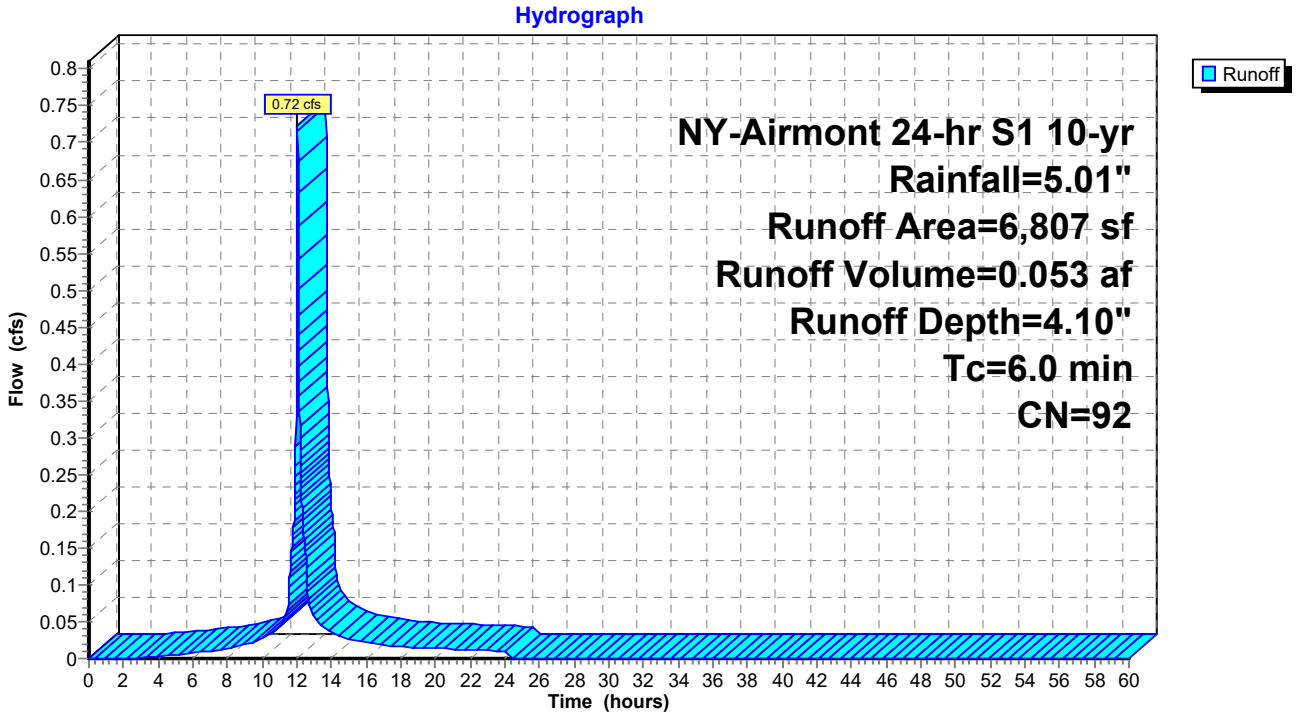
Runoff = 0.72 cfs @ 12.04 hrs, Volume= 0.053 af, Depth= 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
1,580	74	>75% Grass cover, Good, HSG C
5,227	98	Paved parking, HSG C
6,807	92	Weighted Average
1,580		23.21% Pervious Area
5,227		76.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 46S: 46S



Summary for Subcatchment 47S: 47S

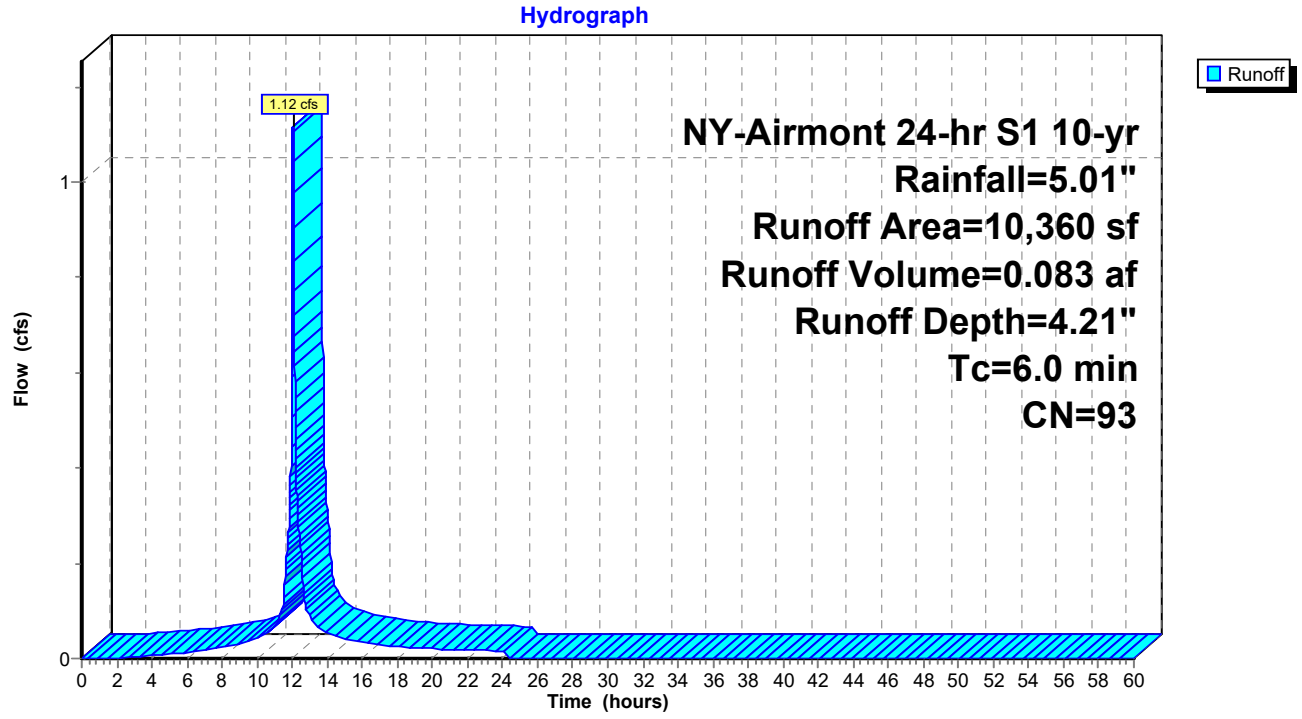
Runoff = 1.12 cfs @ 12.04 hrs, Volume= 0.083 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
8,250	98	Paved parking, HSG C
2,110	74	>75% Grass cover, Good, HSG C
10,360	93	Weighted Average
2,110		20.37% Pervious Area
8,250		79.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 47S: 47S



Summary for Subcatchment 48S: 48S

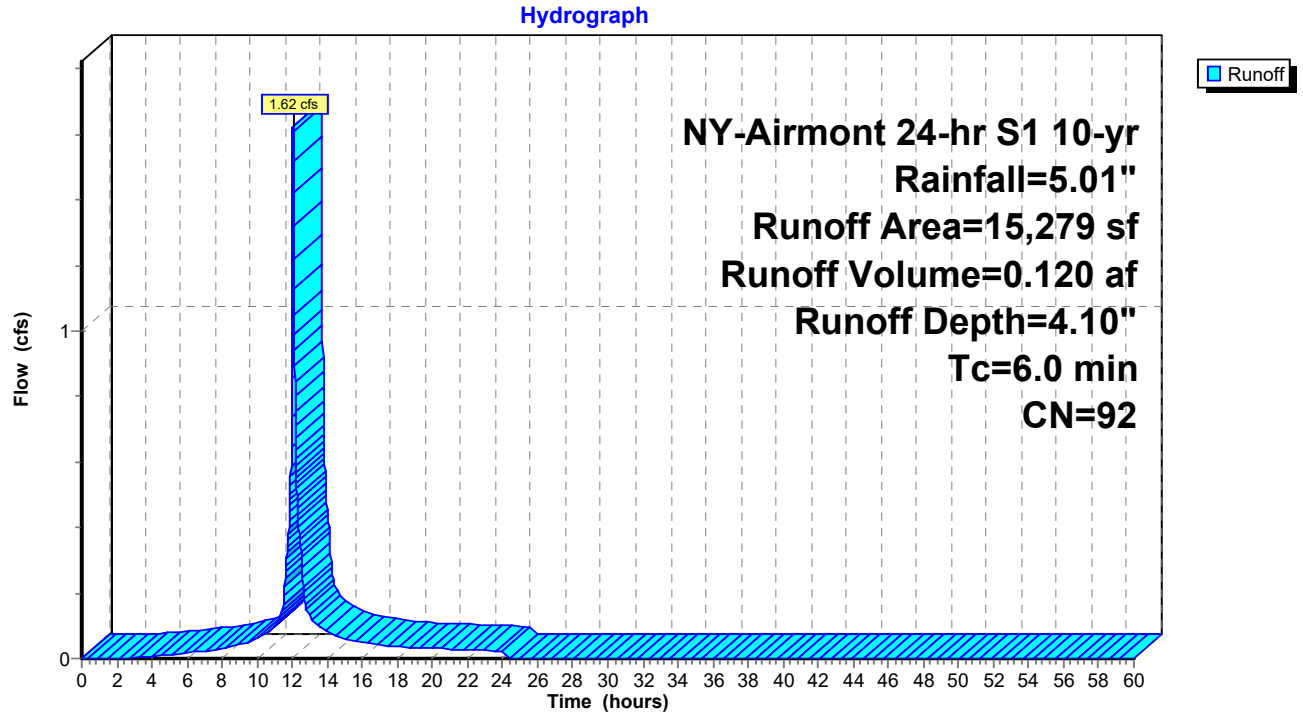
Runoff = 1.62 cfs @ 12.04 hrs, Volume= 0.120 af, Depth= 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
11,660	98	Paved parking, HSG C
3,619	74	>75% Grass cover, Good, HSG C
15,279	92	Weighted Average
3,619		23.69% Pervious Area
11,660		76.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 48S: 48S



Summary for Subcatchment 51S: 51S

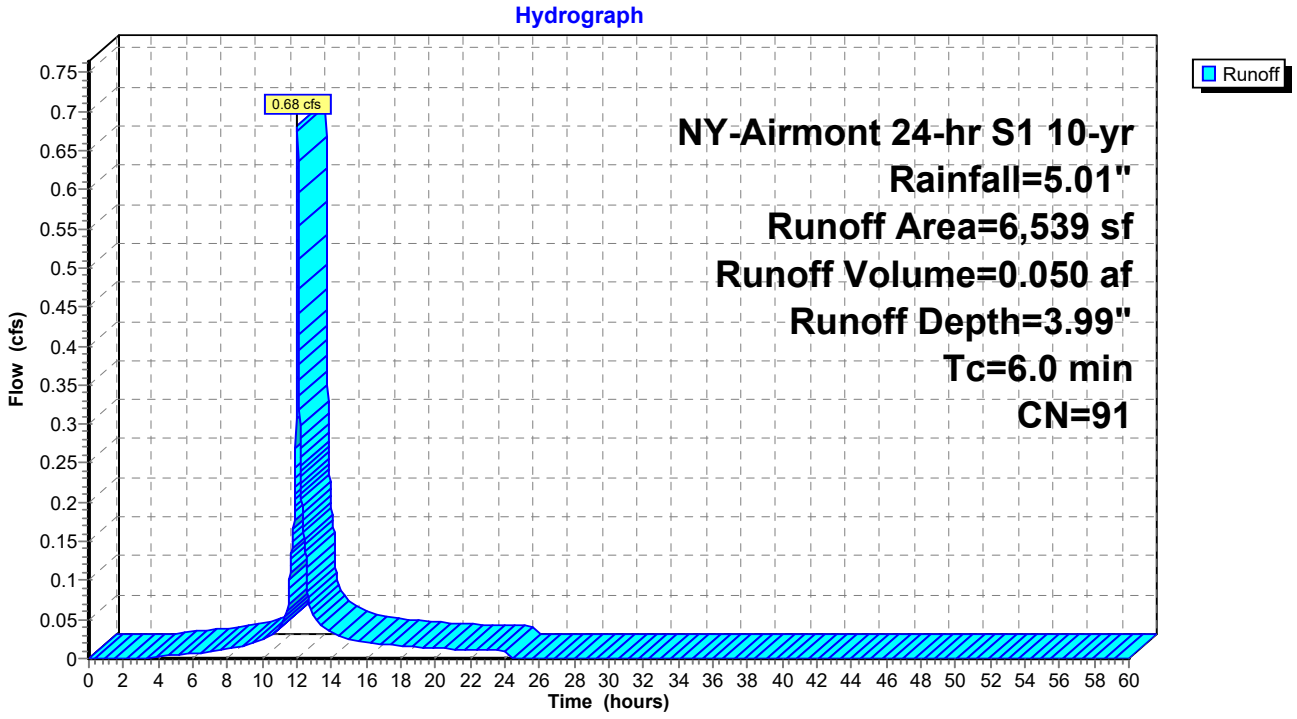
Runoff = 0.68 cfs @ 12.04 hrs, Volume= 0.050 af, Depth= 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
4,620	98	Paved parking, HSG C
1,919	74	>75% Grass cover, Good, HSG C
6,539	91	Weighted Average
1,919		29.35% Pervious Area
4,620		70.65% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 51S: 51S



Summary for Subcatchment 52S: 52S

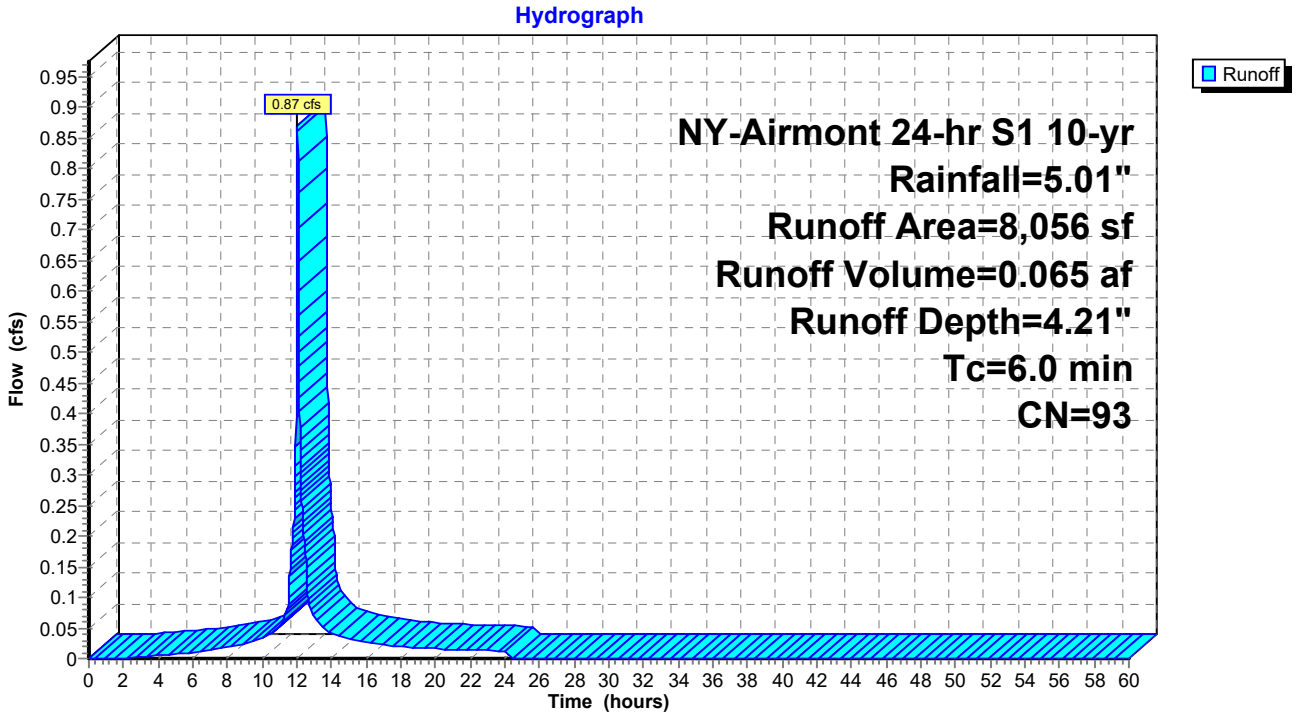
Runoff = 0.87 cfs @ 12.04 hrs, Volume= 0.065 af, Depth= 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
6,501	98	Paved parking, HSG C
1,555	74	>75% Grass cover, Good, HSG C
8,056	93	Weighted Average
1,555		19.30% Pervious Area
6,501		80.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 52S: 52S



Summary for Subcatchment DA-3: DA-3

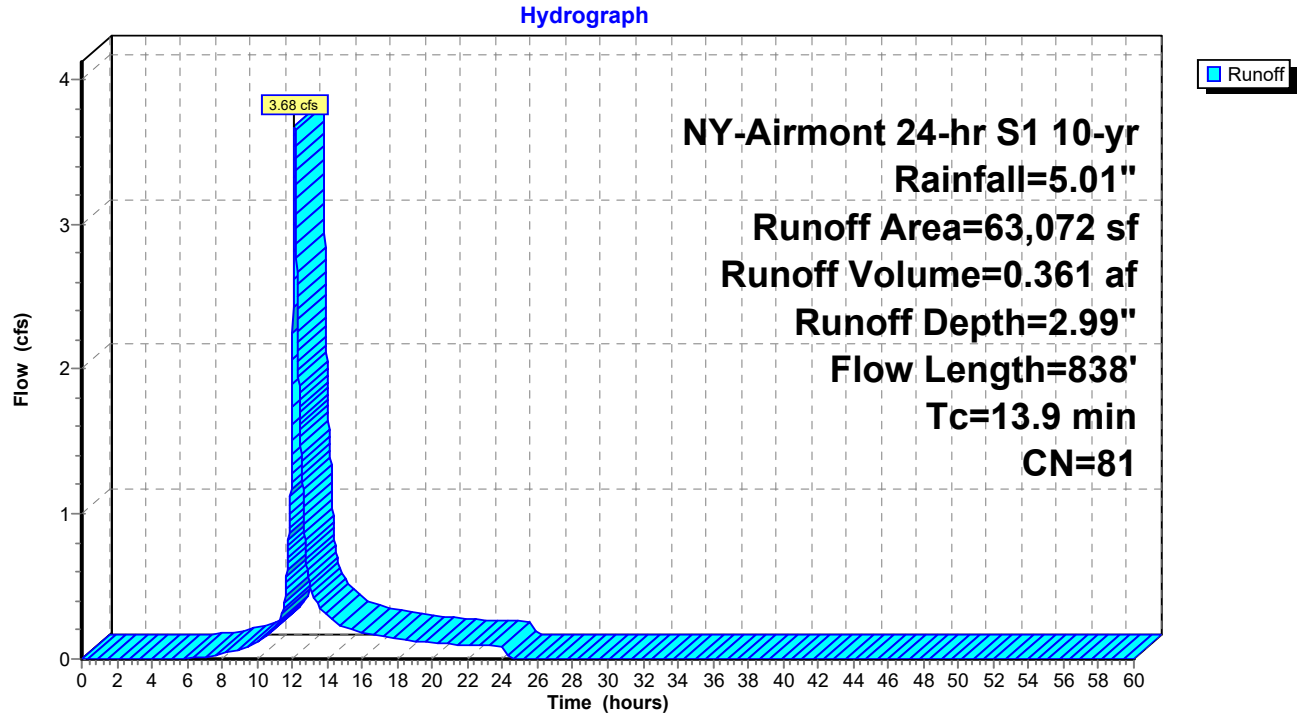
Runoff = 3.68 cfs @ 12.14 hrs, Volume= 0.361 af, Depth= 2.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
19,075	98	Unconnected pavement, HSG C
43,997	74	>75% Grass cover, Good, HSG C
63,072	81	Weighted Average
43,997		69.76% Pervious Area
19,075		30.24% Impervious Area
19,075		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.5	100	0.2500	0.48		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.5	60	0.1000	2.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
3.8	138	0.0075	0.61		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
6.1	540	0.0450	1.48		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
13.9	838	Total			

Subcatchment DA-3: DA-3



Summary for Subcatchment DA-5: DA-5

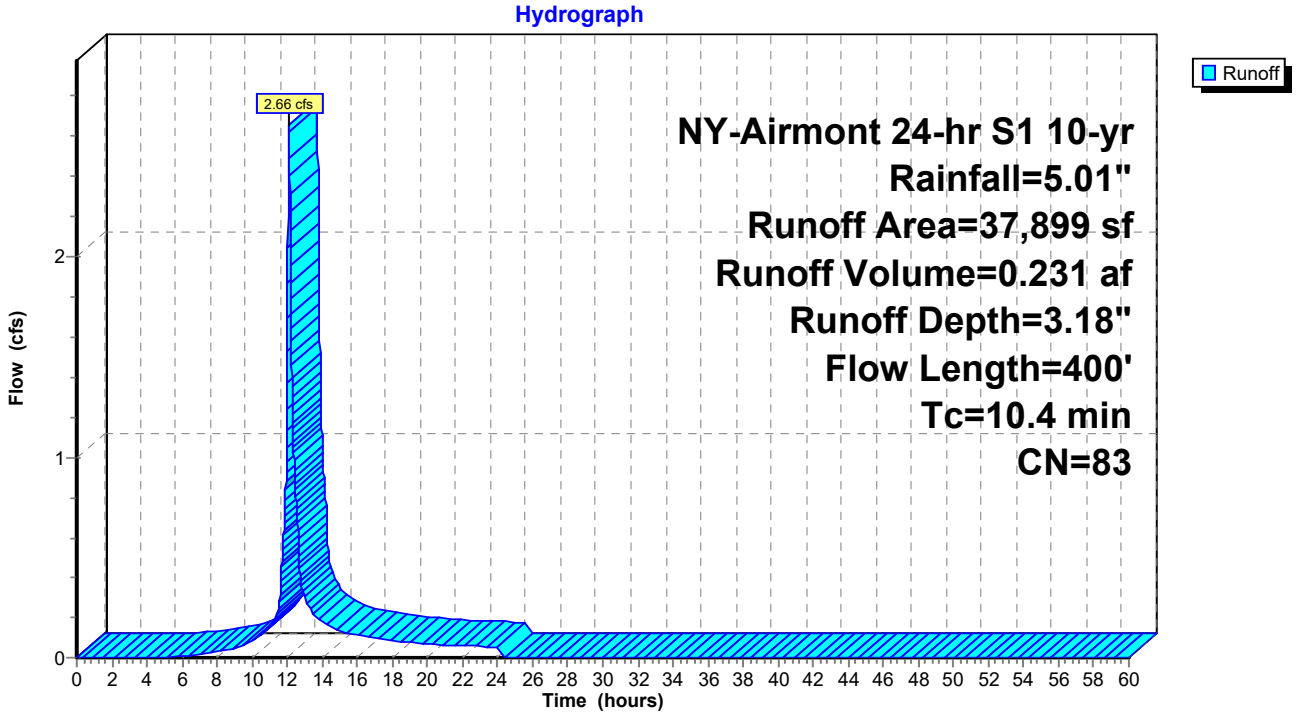
Runoff = 2.66 cfs @ 12.09 hrs, Volume= 0.231 af, Depth= 3.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
14,322	98	Paved parking, HSG C
23,577	74	>75% Grass cover, Good, HSG C
37,899	83	Weighted Average
23,577		62.21% Pervious Area
14,322		37.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1	25	0.2500	0.36		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.7	75	0.0400	0.22		**Sheet Flow, SF2** Grass: Short n= 0.150 P2= 3.37"
3.6	300	0.0400	1.40		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
10.4	400	Total			

Subcatchment DA-5: DA-5



Summary for Subcatchment DA-6: DA-6

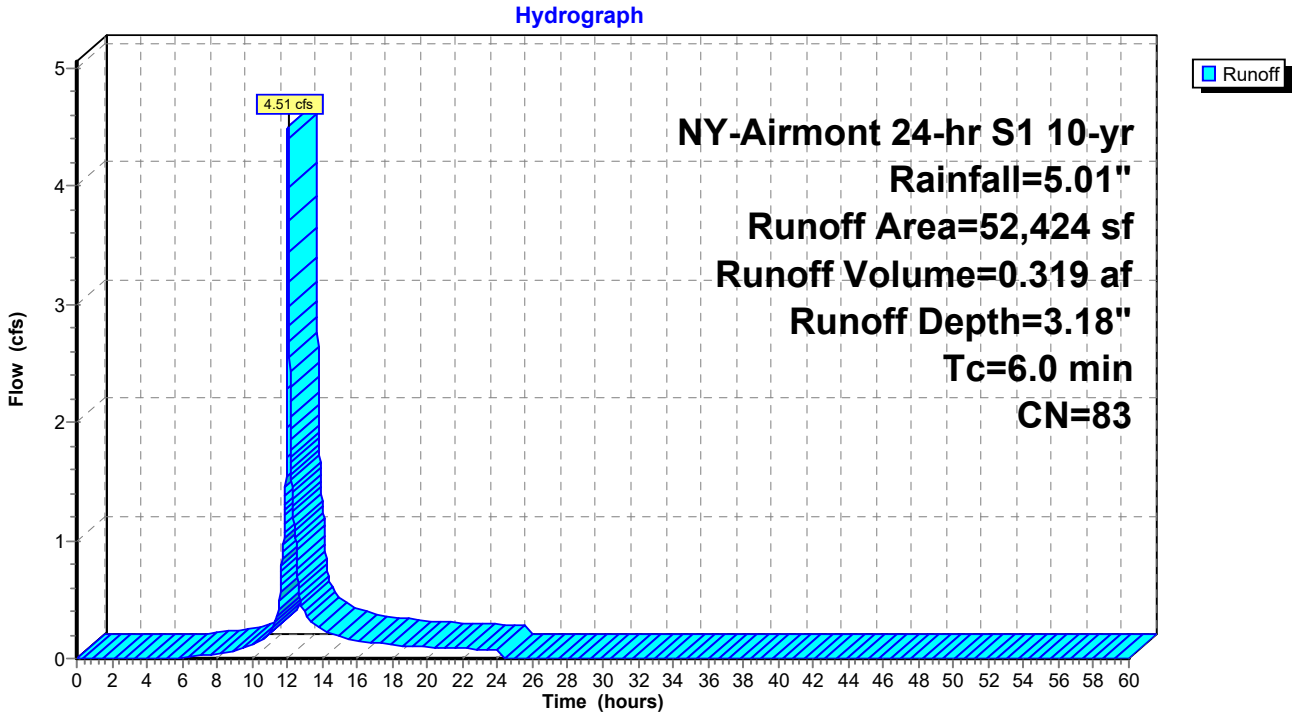
Runoff = 4.51 cfs @ 12.04 hrs, Volume= 0.319 af, Depth= 3.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
20,295	98	Paved parking, HSG C
32,129	74	>75% Grass cover, Good, HSG C
52,424	83	Weighted Average
32,129		61.29% Pervious Area
20,295		38.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-6: DA-6



Summary for Subcatchment DA-7: Conservation Area

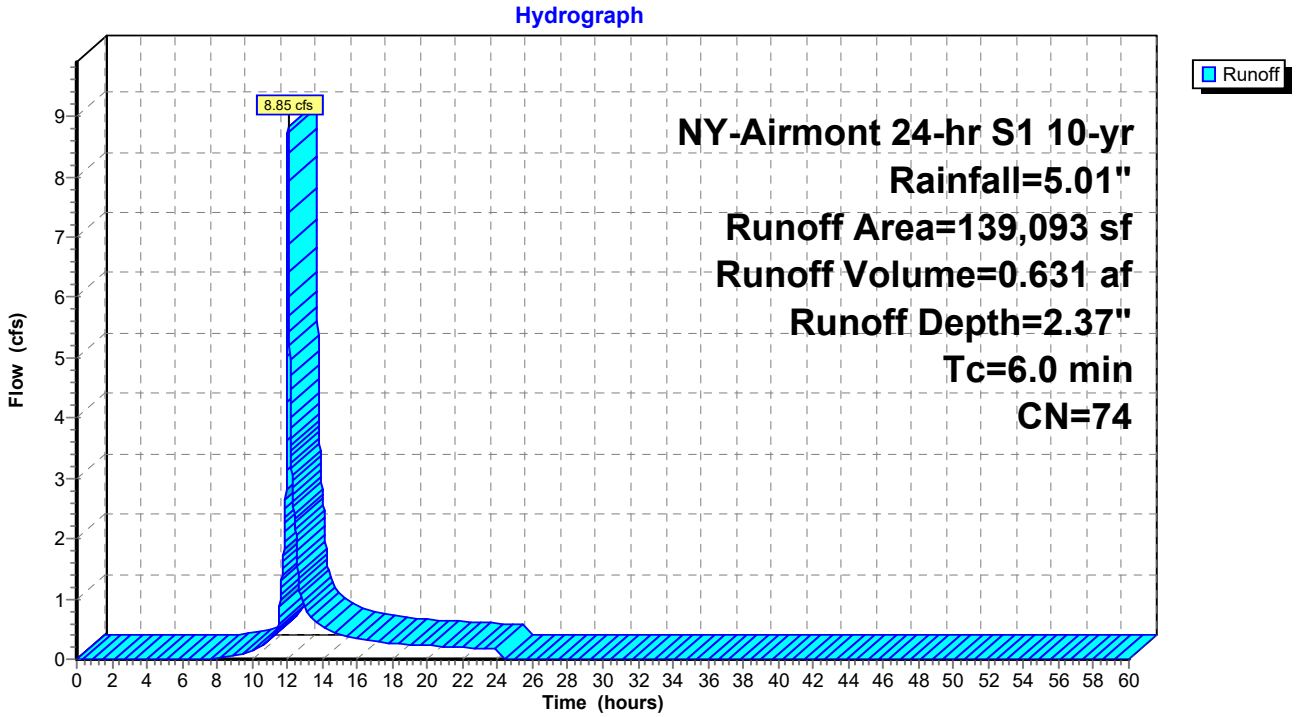
Runoff = 8.85 cfs @ 12.04 hrs, Volume= 0.631 af, Depth= 2.37"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 10-yr Rainfall=5.01"

Area (sf)	CN	Description
139,093	74	>75% Grass cover, Good, HSG C
139,093		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-7: Conservation Area



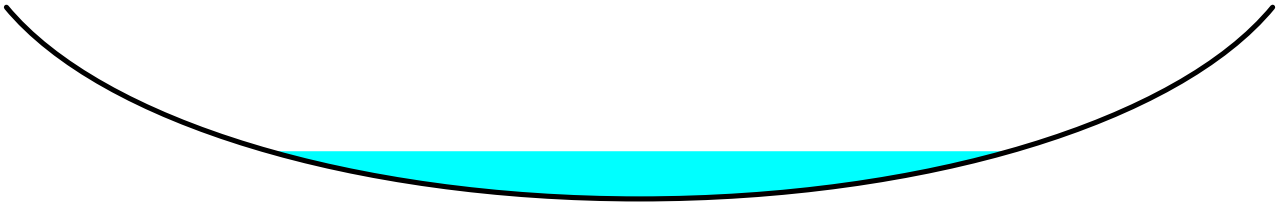
Summary for Reach 91R: Swale-North

Inflow Area = 1.448 ac, 30.24% Impervious, Inflow Depth = 2.99" for 10-yr event
Inflow = 3.68 cfs @ 12.14 hrs, Volume= 0.361 af
Outflow = 3.60 cfs @ 12.17 hrs, Volume= 0.361 af, Atten= 2%, Lag= 1.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Max. Velocity= 4.37 fps, Min. Travel Time= 2.1 min
Avg. Velocity = 1.55 fps, Avg. Travel Time= 5.8 min

Peak Storage= 446 cf @ 12.17 hrs
Average Depth at Peak Storage= 0.25'
Bank-Full Depth= 1.00' Flow Area= 6.7 sf, Capacity= 72.68 cfs

10.00' x 1.00' deep Parabolic Channel, n= 0.022 Earth, clean & straight
Length= 540.0' Slope= 0.0463 '/'
Inlet Invert= 395.00', Outlet Invert= 370.00'



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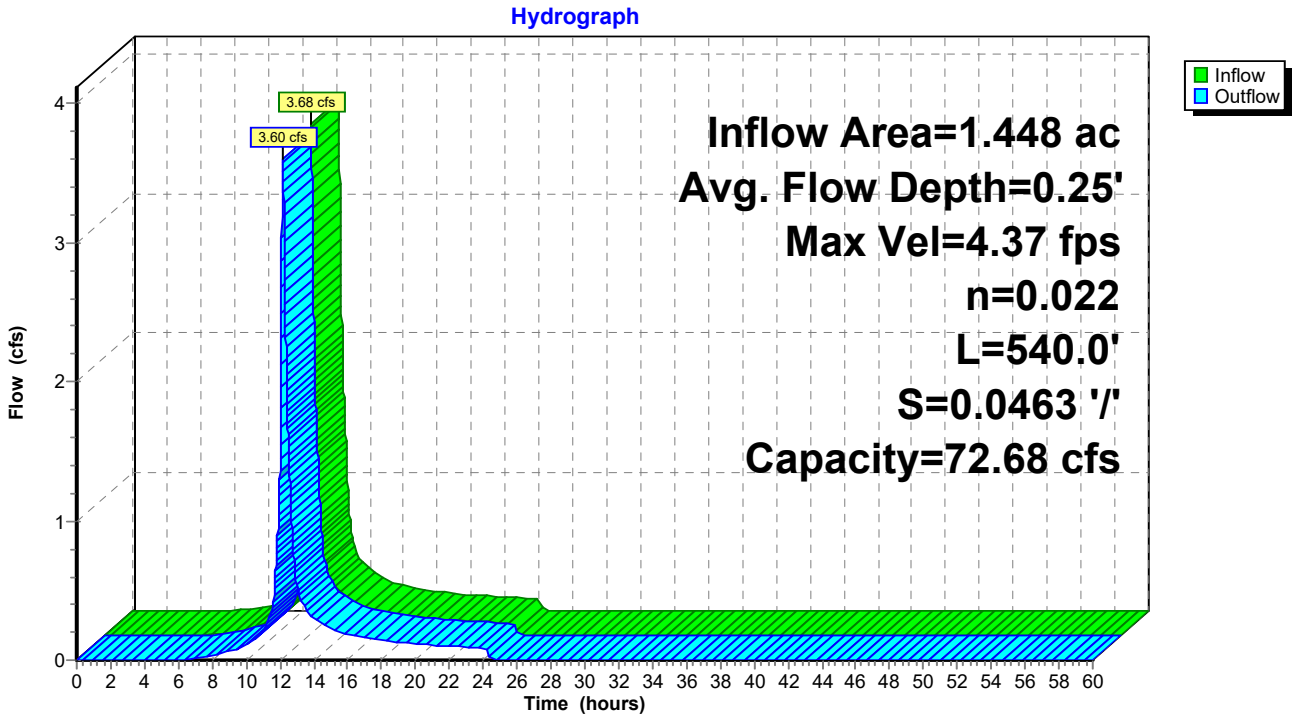
Reach 91R: Swale-North



Summary for Pond 6P: Pond

Inflow Area = 11.803 ac, 62.78% Impervious, Inflow Depth = 3.26" for 10-yr event
Inflow = 38.25 cfs @ 12.05 hrs, Volume= 3.204 af
Outflow = 33.50 cfs @ 12.08 hrs, Volume= 3.194 af, Atten= 12%, Lag= 1.6 min
Primary = 33.50 cfs @ 12.08 hrs, Volume= 3.194 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Starting Elev= 364.00' Surf.Area= 4,172 sf Storage= 10,075 cf
Peak Elev= 364.94' @ 12.08 hrs Surf.Area= 8,417 sf Storage= 15,872 cf (5,797 cf above start)
Flood Elev= 369.25' Surf.Area= 14,394 sf Storage= 62,463 cf (52,388 cf above start)

Plug-Flow detention time= 76.9 min calculated for 2.962 af (92% of inflow)
Center-of-Mass det. time= 6.6 min (810.9 - 804.3)

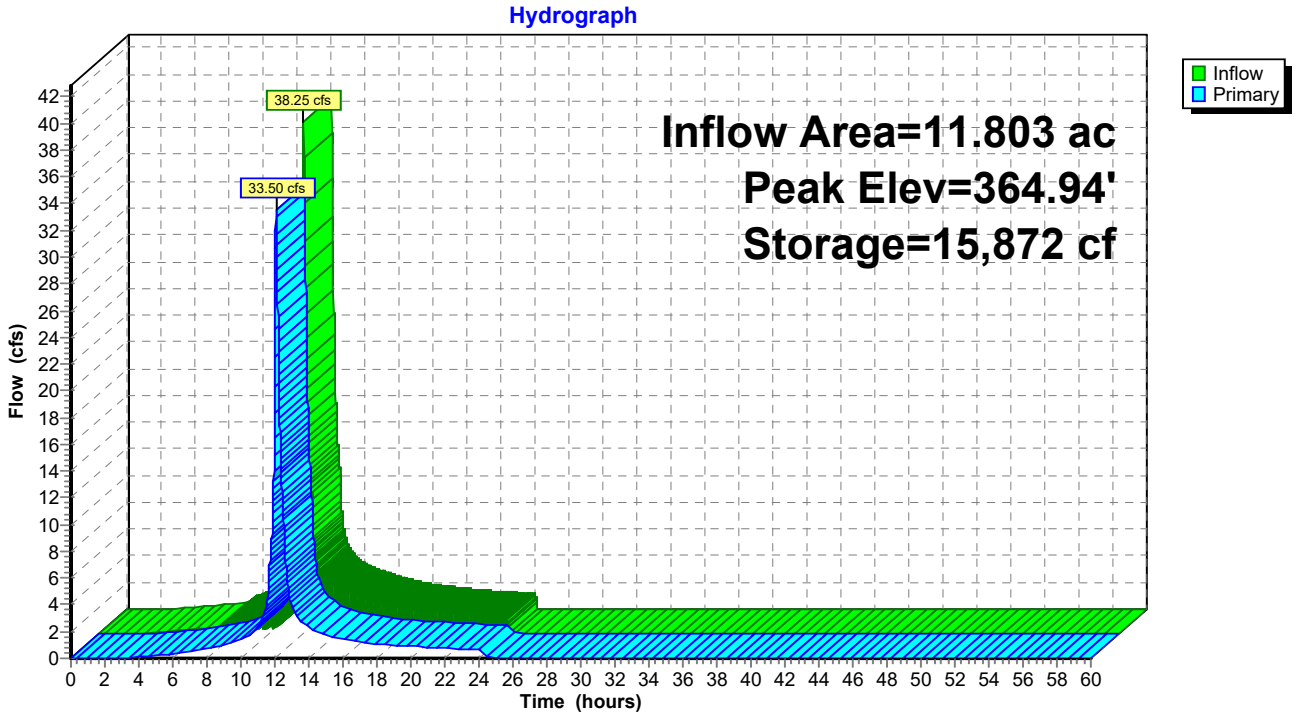
Volume	Invert	Avail.Storage	Storage Description
#1	361.00'	62,463 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
361.00	2,571	498.0	0	0	2,571
362.00	3,090	510.0	2,827	2,827	3,658
363.00	3,624	522.0	3,353	6,180	4,770
364.00	4,172	534.0	3,895	10,075	5,908
365.00	8,742	623.0	6,318	16,392	14,123
366.00	10,098	647.0	9,412	25,804	16,630
367.00	11,501	664.0	10,792	36,596	18,521
368.00	12,933	679.0	12,210	48,806	20,259
369.00	14,394	695.0	13,657	62,463	22,139

Device	Routing	Invert	Outlet Devices
#1	Primary	364.10'	**6.0" Vert. WQv X 8.00** C= 0.600
#2	Primary	364.10'	**60.0 deg x 11.0' long x 4.75' rise 10-yr** Cv= 2.53 (C= 3.16)

Primary OutFlow Max=33.45 cfs @ 12.08 hrs HW=364.94' TW=0.00' (Dynamic Tailwater)
└─**1=WQv** (Orifice Controls 5.80 cfs @ 3.69 fps)
└─**2=10-yr** (Weir Controls 27.65 cfs @ 2.87 fps)

Pond 6P: Pond


Hydrograph
Inflow
Primary
38.25 cfs
33.50 cfs
Inflow Area=11.803 ac
Peak Elev=364.94'
Storage=15,872 cf
Flow (cfs)
Time (hours)

Summary for Pond 10P: WQU69

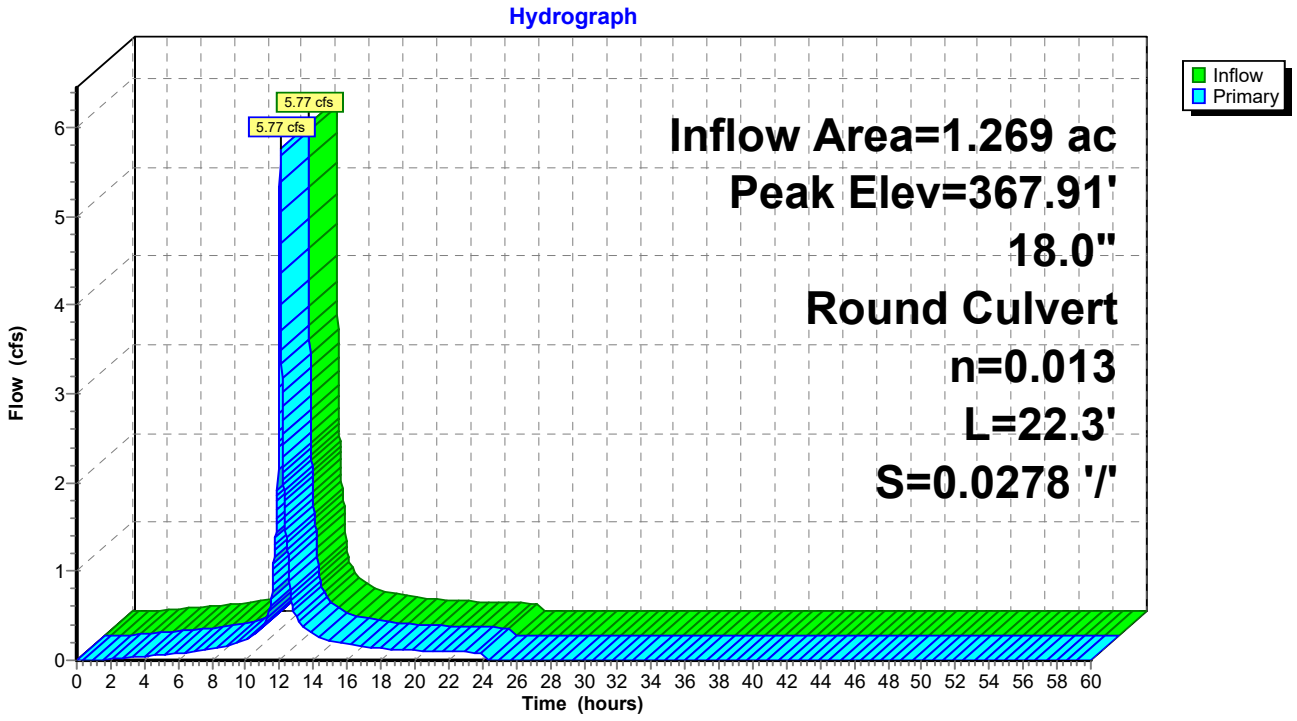
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 4.29" for 10-yr event
Inflow = 5.77 cfs @ 12.04 hrs, Volume= 0.454 af
Outflow = 5.77 cfs @ 12.04 hrs, Volume= 0.454 af, Atten= 0%, Lag= 0.0 min
Primary = 5.77 cfs @ 12.04 hrs, Volume= 0.454 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.91' @ 12.04 hrs
Flood Elev= 369.42'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.43'	**18.0" Round Culvert** L= 22.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.43' / 365.81' S= 0.0278 '/' Cc= 0.900 n= 0.013 Concrete pipe, bends & connections, Flow Area= 1.77 sf

Primary OutFlow Max=5.75 cfs @ 12.04 hrs HW=367.91' TW=364.87' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.75 cfs @ 3.27 fps)

Pond 10P: WQU69



Summary for Pond 52P: CB2

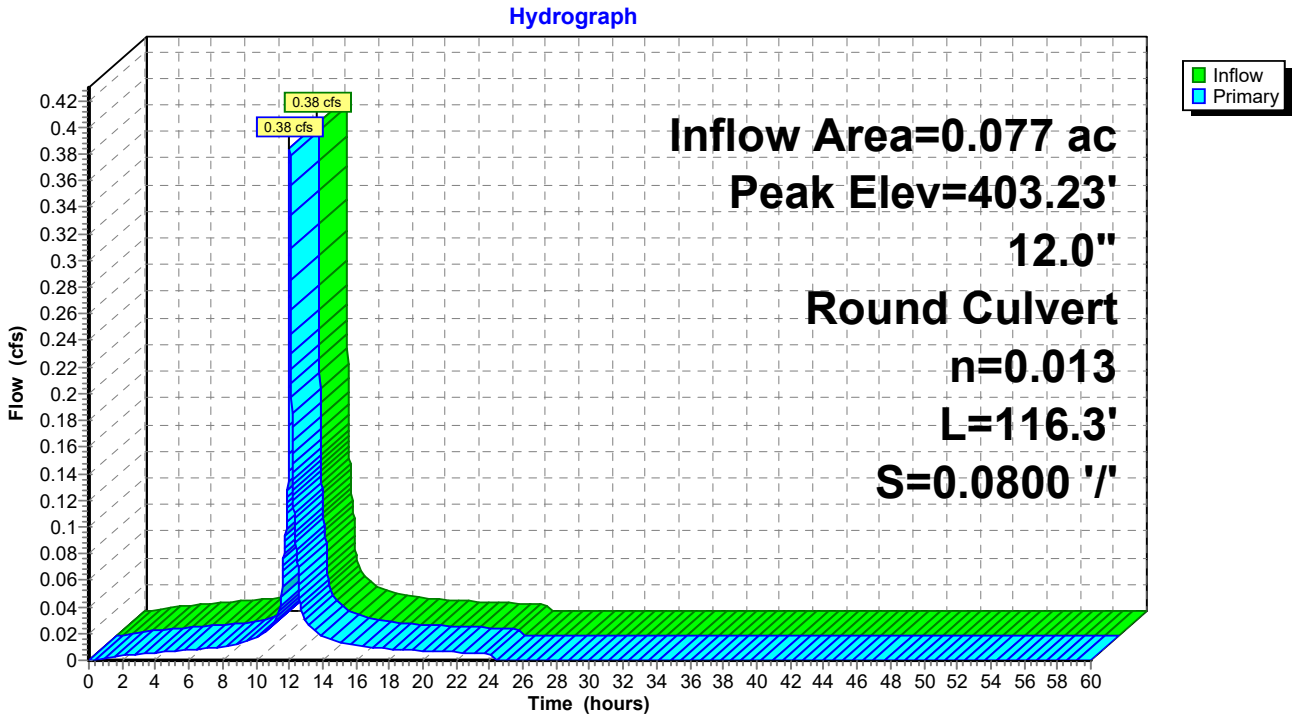
Inflow Area = 0.077 ac,100.00% Impervious, Inflow Depth = 4.77" for 10-yr event
Inflow = 0.38 cfs @ 12.04 hrs, Volume= 0.031 af
Outflow = 0.38 cfs @ 12.04 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min
Primary = 0.38 cfs @ 12.04 hrs, Volume= 0.031 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.23' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	402.88'	**12.0" Round Culvert** L= 116.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 402.88' / 393.58' S= 0.0800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.38 cfs @ 12.04 hrs HW=403.23' TW=394.25' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.38 cfs @ 1.58 fps)

Pond 52P: CB2



Summary for Pond 53P: CB1

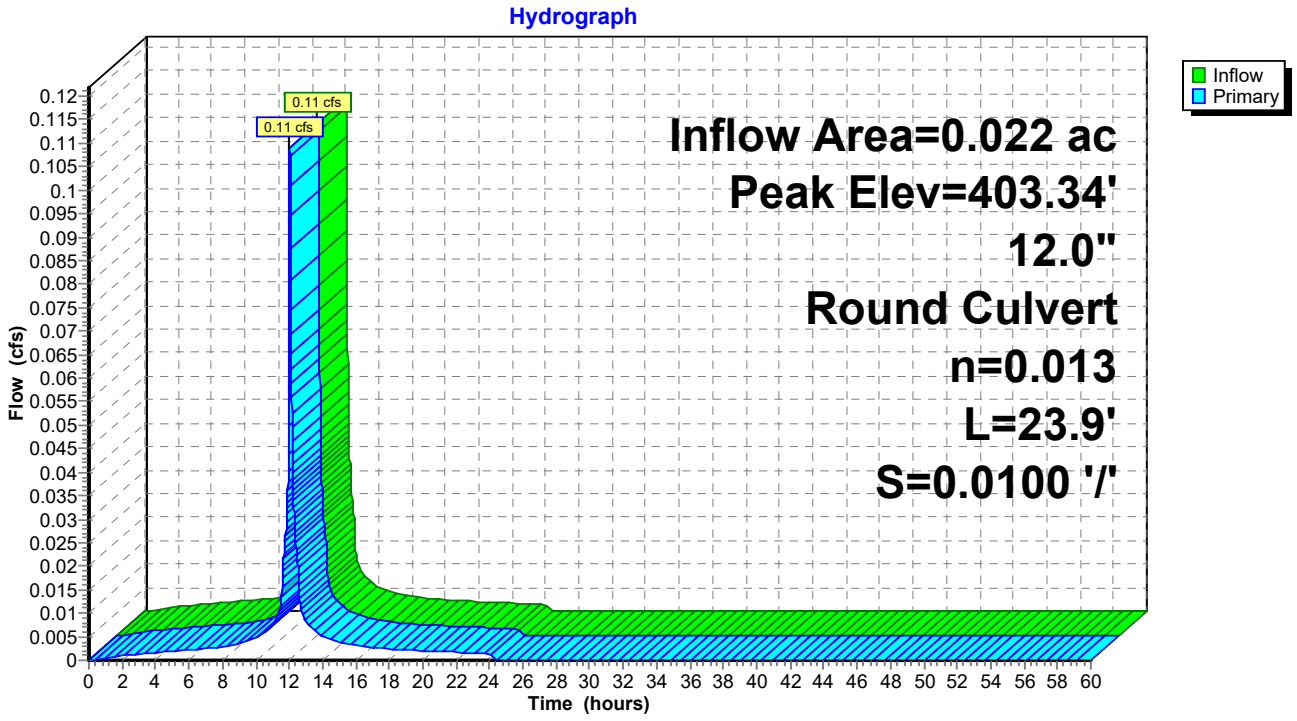
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth = 4.77" for 10-yr event
Inflow = 0.11 cfs @ 12.04 hrs, Volume= 0.009 af
Outflow = 0.11 cfs @ 12.04 hrs, Volume= 0.009 af, Atten= 0%, Lag= 0.0 min
Primary = 0.11 cfs @ 12.04 hrs, Volume= 0.009 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.34' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	403.12'	**12.0" Round Culvert** L= 23.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 403.12' / 402.88' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.11 cfs @ 12.04 hrs HW=403.34' TW=403.23' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.11 cfs @ 1.28 fps)

Pond 53P: CB1



Summary for Pond 54P: CB3

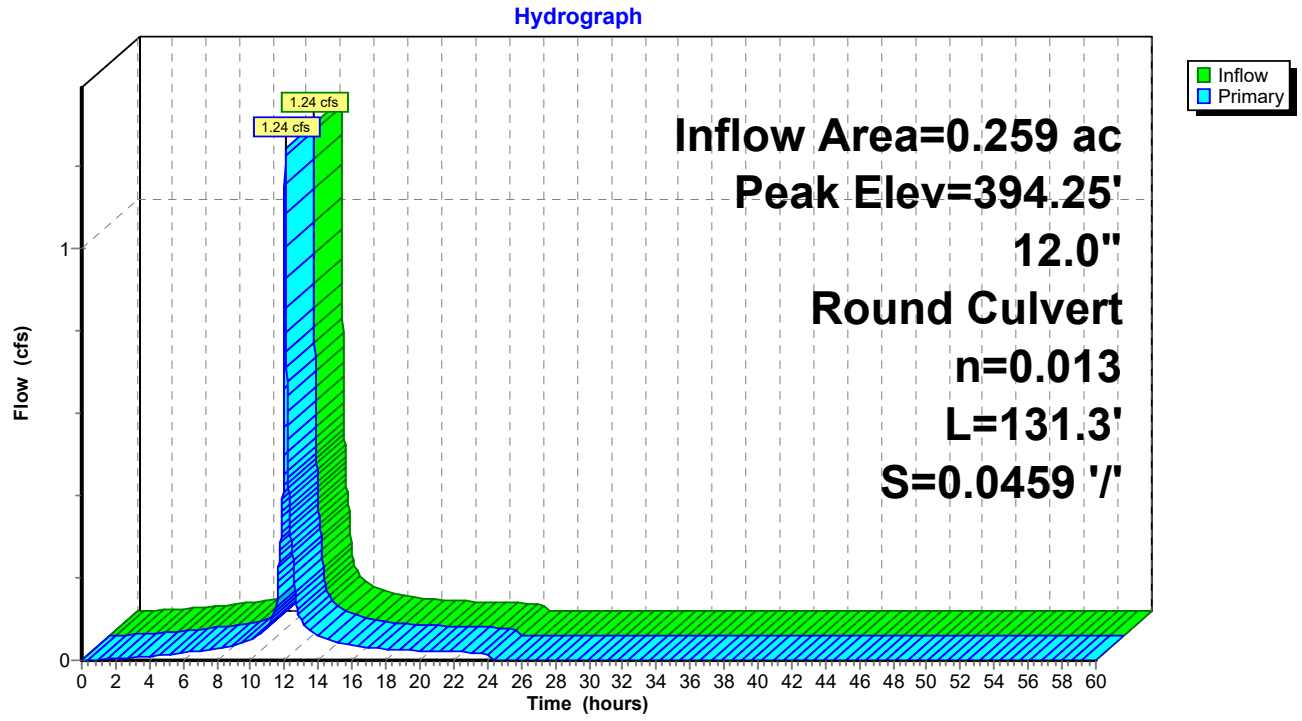
Inflow Area = 0.259 ac, 85.57% Impervious, Inflow Depth = 4.38" for 10-yr event
Inflow = 1.24 cfs @ 12.04 hrs, Volume= 0.094 af
Outflow = 1.24 cfs @ 12.04 hrs, Volume= 0.094 af, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 12.04 hrs, Volume= 0.094 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 394.25' @ 12.04 hrs
Flood Elev= 398.26'

Device	Routing	Invert	Outlet Devices
#1	Primary	393.58'	**12.0" Round Culvert** L= 131.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 393.58' / 387.55' S= 0.0459 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.24 cfs @ 12.04 hrs HW=394.25' TW=388.64' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.24 cfs @ 2.20 fps)

Pond 54P: CB3



Summary for Pond 55P: CB11

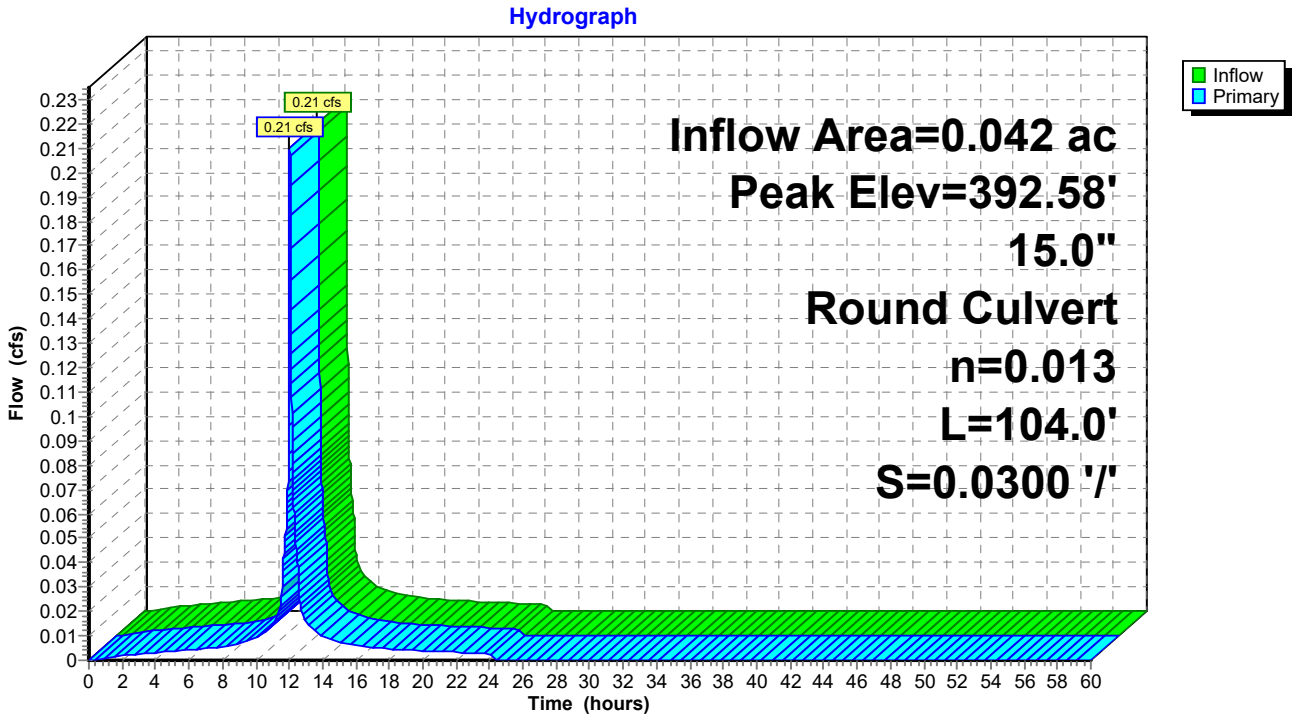
Inflow Area = 0.042 ac,100.00% Impervious, Inflow Depth = 4.77" for 10-yr event
Inflow = 0.21 cfs @ 12.04 hrs, Volume= 0.017 af
Outflow = 0.21 cfs @ 12.04 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.21 cfs @ 12.04 hrs, Volume= 0.017 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 392.58' @ 12.04 hrs
Flood Elev= 396.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	392.34'	**15.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 392.34' / 389.22' S= 0.0300 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.21 cfs @ 12.04 hrs HW=392.58' TW=390.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.21 cfs @ 1.30 fps)

Pond 55P: CB11



Summary for Pond 56P: CB12

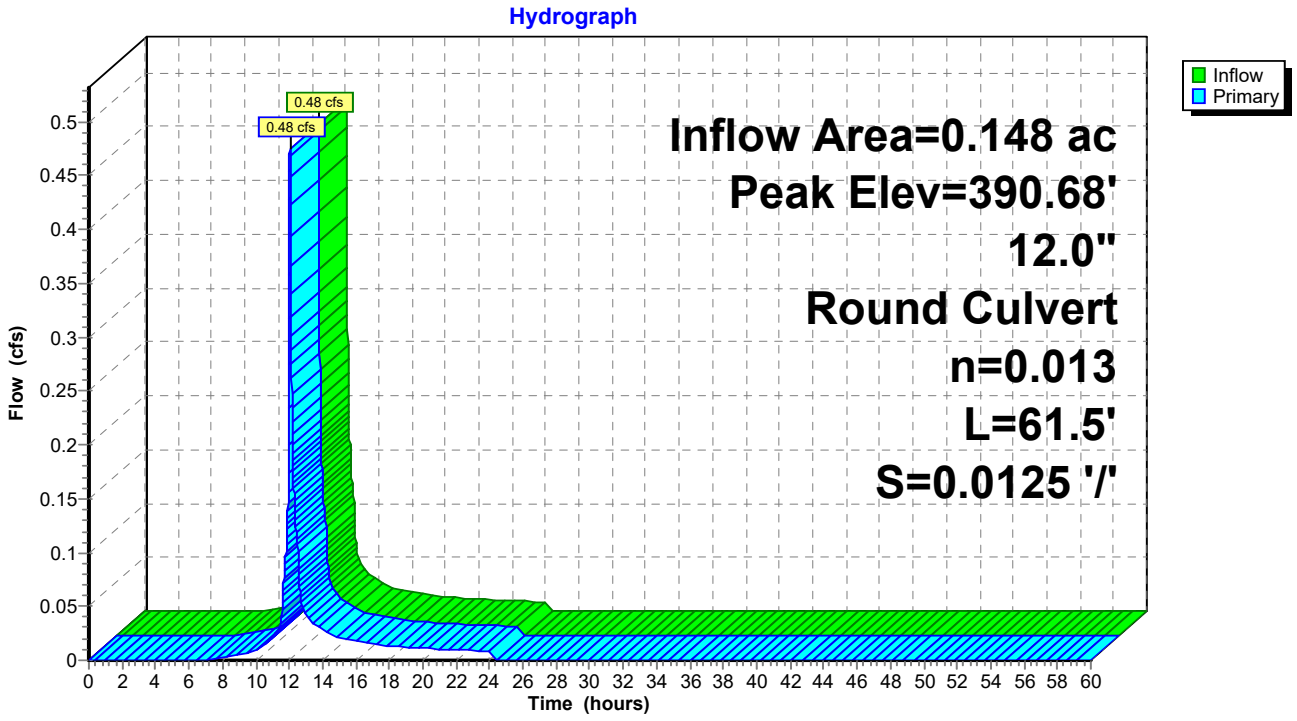
Inflow Area = 0.148 ac, 14.93% Impervious, Inflow Depth = 2.72" for 10-yr event
Inflow = 0.48 cfs @ 12.04 hrs, Volume= 0.034 af
Outflow = 0.48 cfs @ 12.04 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.0 min
Primary = 0.48 cfs @ 12.04 hrs, Volume= 0.034 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.68' @ 12.04 hrs
Flood Elev= 395.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	390.29'	**12.0" Round Culvert** L= 61.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 390.29' / 389.52' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.47 cfs @ 12.04 hrs HW=390.68' TW=390.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.47 cfs @ 1.68 fps)

Pond 56P: CB12



Summary for Pond 57P: CB13

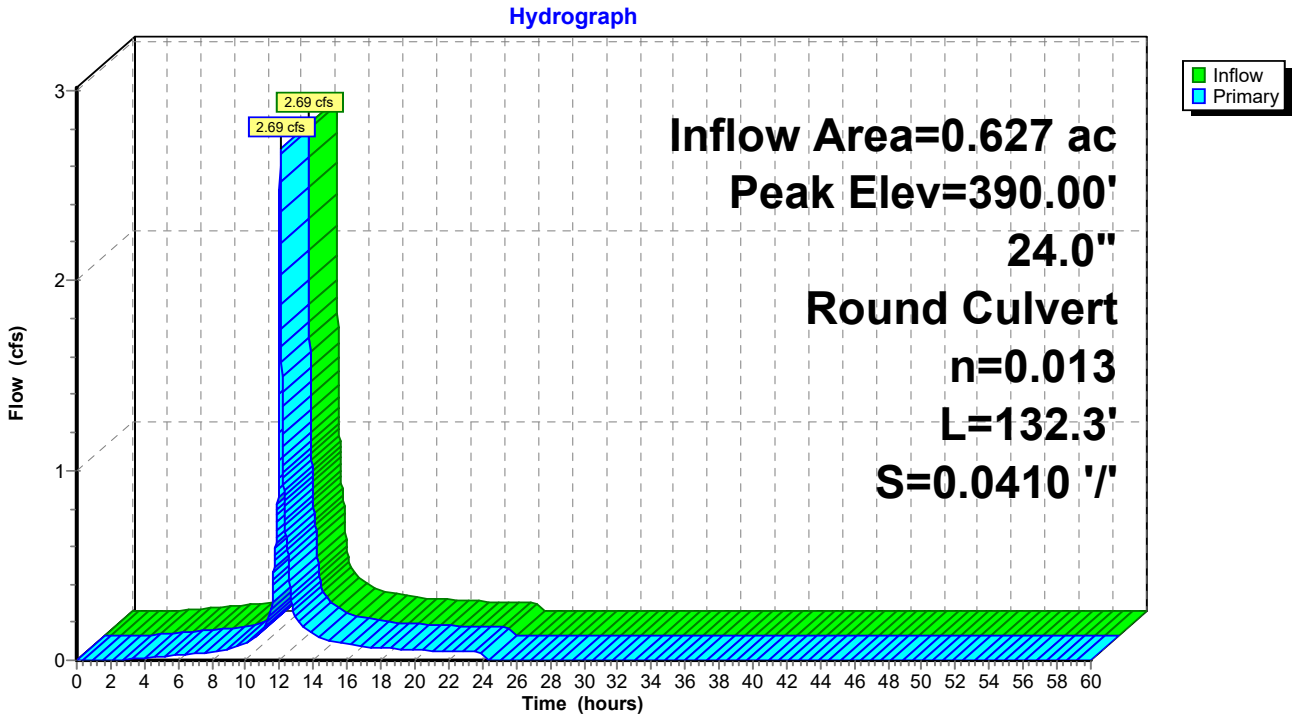
Inflow Area = 0.627 ac, 60.79% Impervious, Inflow Depth = 3.79" for 10-yr event
Inflow = 2.69 cfs @ 12.04 hrs, Volume= 0.198 af
Outflow = 2.69 cfs @ 12.04 hrs, Volume= 0.198 af, Atten= 0%, Lag= 0.0 min
Primary = 2.69 cfs @ 12.04 hrs, Volume= 0.198 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.00' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.22'	**24.0" Round Culvert** L= 132.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.22' / 383.79' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=2.69 cfs @ 12.04 hrs HW=390.00' TW=385.34' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.69 cfs @ 2.37 fps)

Pond 57P: CB13



Summary for Pond 58P: CB39

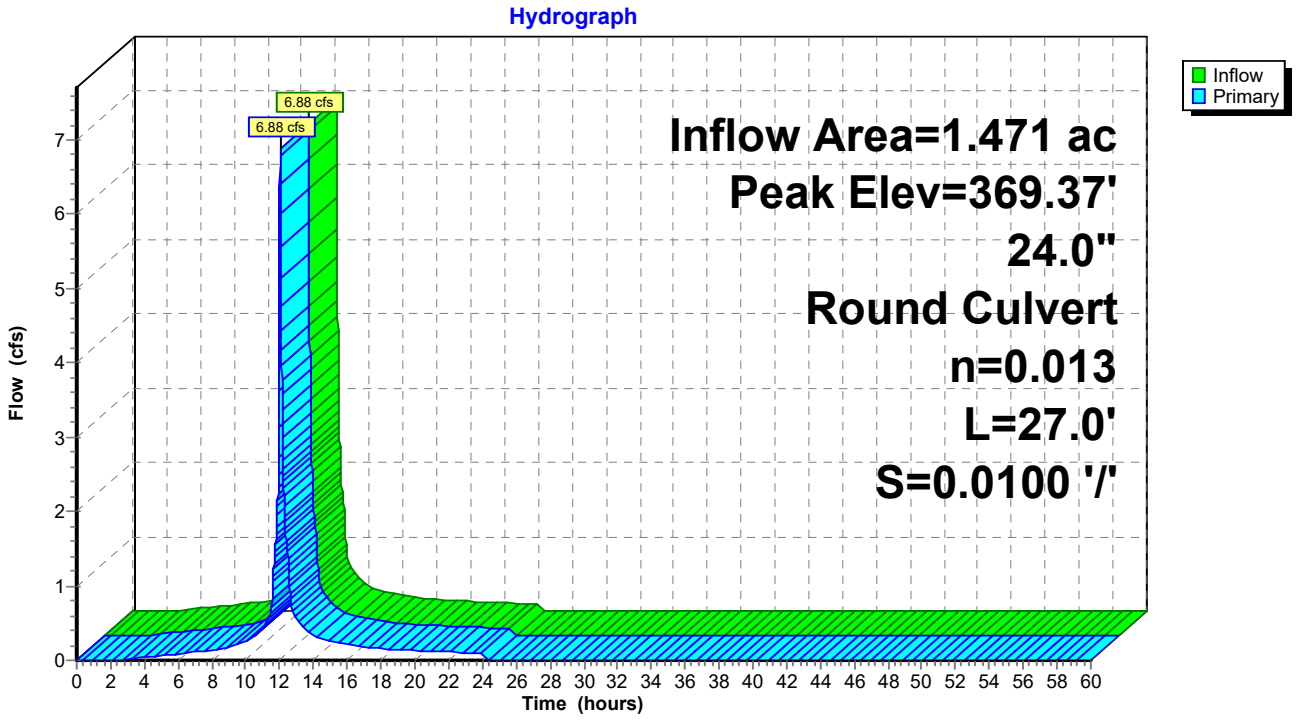
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 4.17" for 10-yr event
Inflow = 6.88 cfs @ 12.04 hrs, Volume= 0.511 af
Outflow = 6.88 cfs @ 12.04 hrs, Volume= 0.511 af, Atten= 0%, Lag= 0.0 min
Primary = 6.88 cfs @ 12.04 hrs, Volume= 0.511 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.37' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.71'	**24.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.71' / 367.44' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.86 cfs @ 12.04 hrs HW=369.37' TW=368.95' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.86 cfs @ 2.46 fps)

Pond 58P: CB39



Summary for Pond 59P: CB14

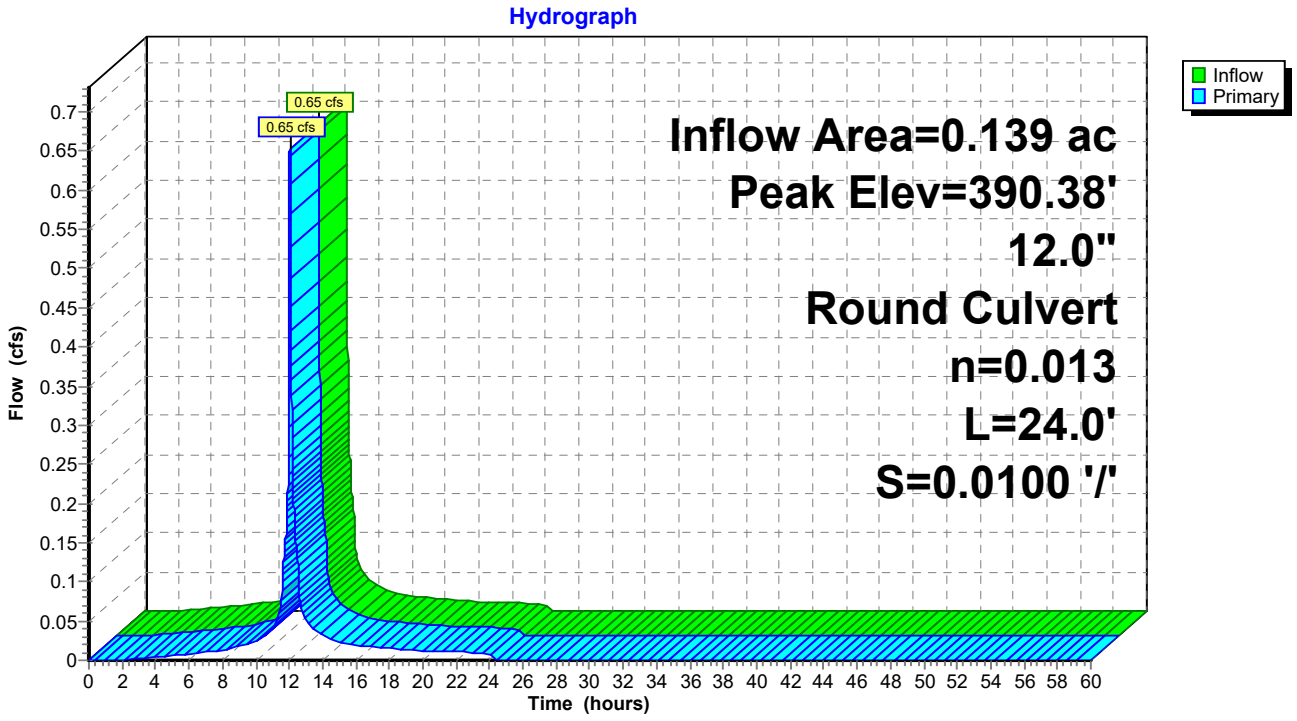
Inflow Area = 0.139 ac, 79.57% Impervious, Inflow Depth = 4.21" for 10-yr event
Inflow = 0.65 cfs @ 12.04 hrs, Volume= 0.049 af
Outflow = 0.65 cfs @ 12.04 hrs, Volume= 0.049 af, Atten= 0%, Lag= 0.0 min
Primary = 0.65 cfs @ 12.04 hrs, Volume= 0.049 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.38' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.92'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.92' / 389.68' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.65 cfs @ 12.04 hrs HW=390.38' TW=390.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.65 cfs @ 1.83 fps)

Pond 59P: CB14



Summary for Pond 60P: CB16

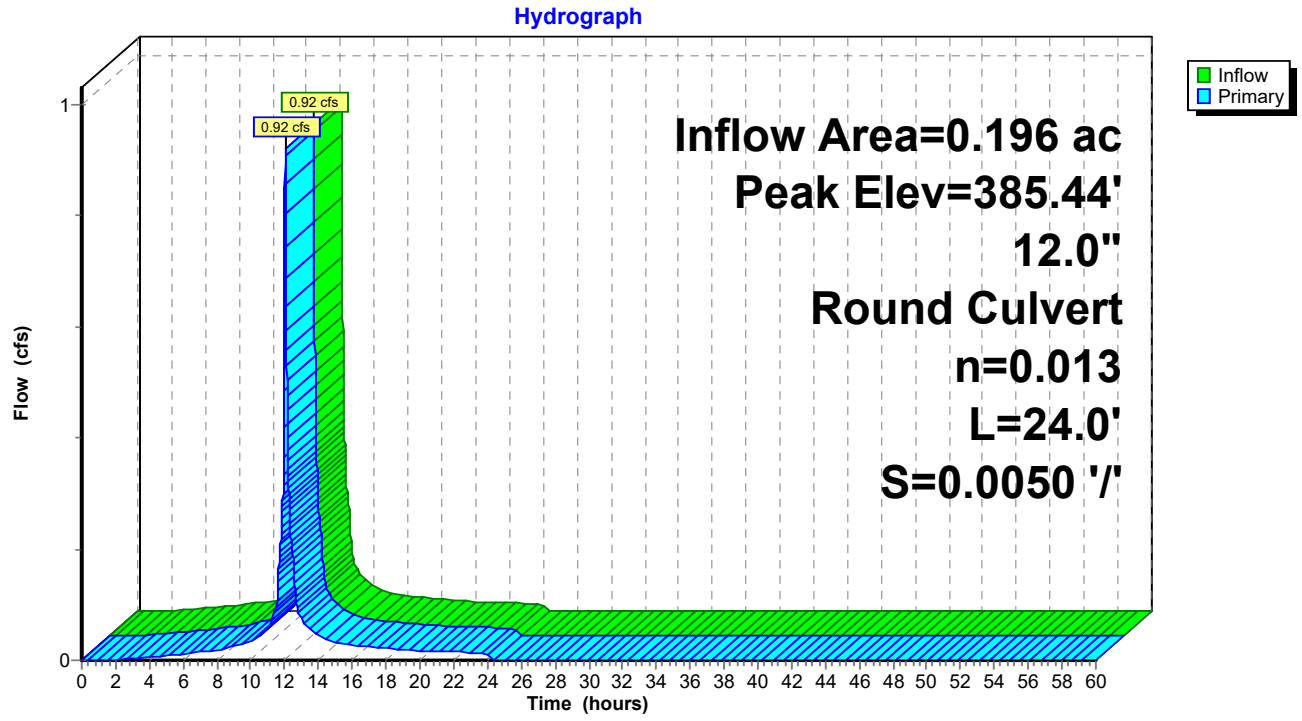
Inflow Area = 0.196 ac, 81.20% Impervious, Inflow Depth = 4.21" for 10-yr event
Inflow = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af
Outflow = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af, Atten= 0%, Lag= 0.0 min
Primary = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 385.44' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	384.16'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 384.16' / 384.04' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.92 cfs @ 12.04 hrs HW=385.44' TW=385.34' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.92 cfs @ 1.17 fps)

Pond 60P: CB16



Summary for Pond 61P: CB15

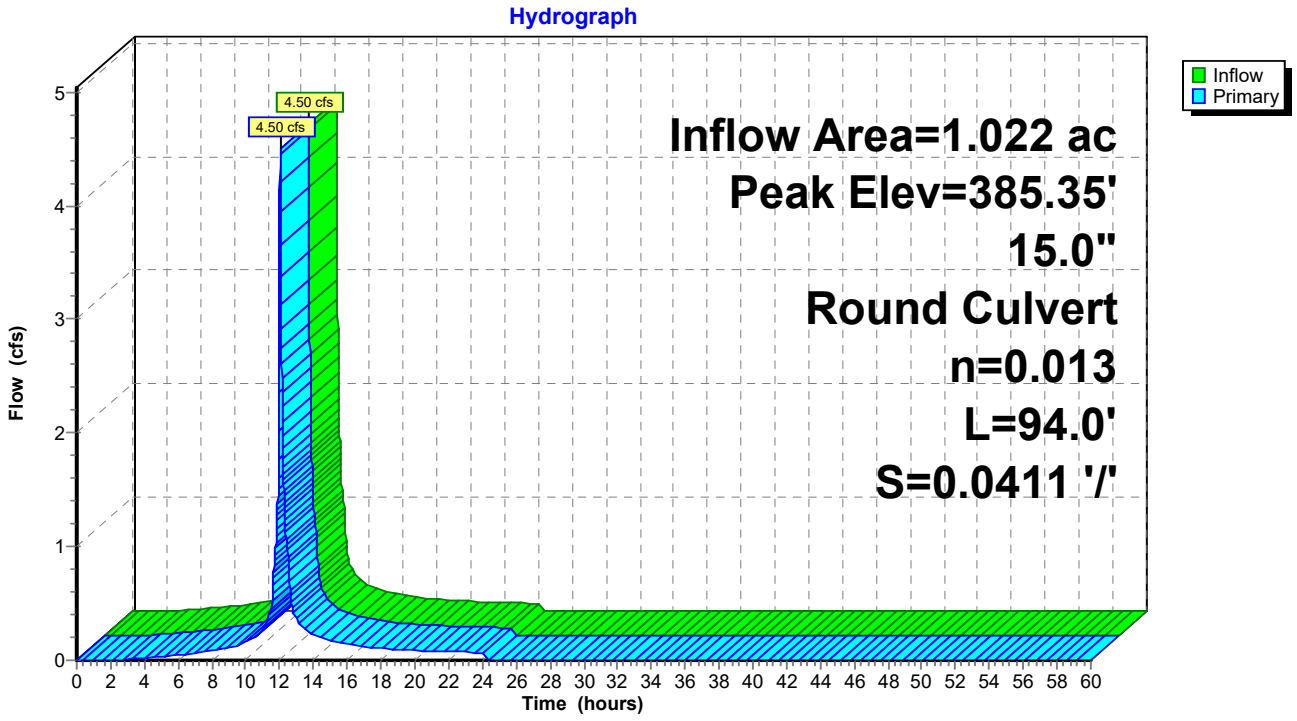
Inflow Area = 1.022 ac, 65.96% Impervious, Inflow Depth = 3.89" for 10-yr event
Inflow = 4.50 cfs @ 12.04 hrs, Volume= 0.331 af
Outflow = 4.50 cfs @ 12.04 hrs, Volume= 0.331 af, Atten= 0%, Lag= 0.0 min
Primary = 4.50 cfs @ 12.04 hrs, Volume= 0.331 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 385.35' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	383.79'	**15.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 383.79' / 379.93' S= 0.0411 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.49 cfs @ 12.04 hrs HW=385.34' TW=381.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.49 cfs @ 3.66 fps)

Pond 61P: CB15



Summary for Pond 62P: CB18

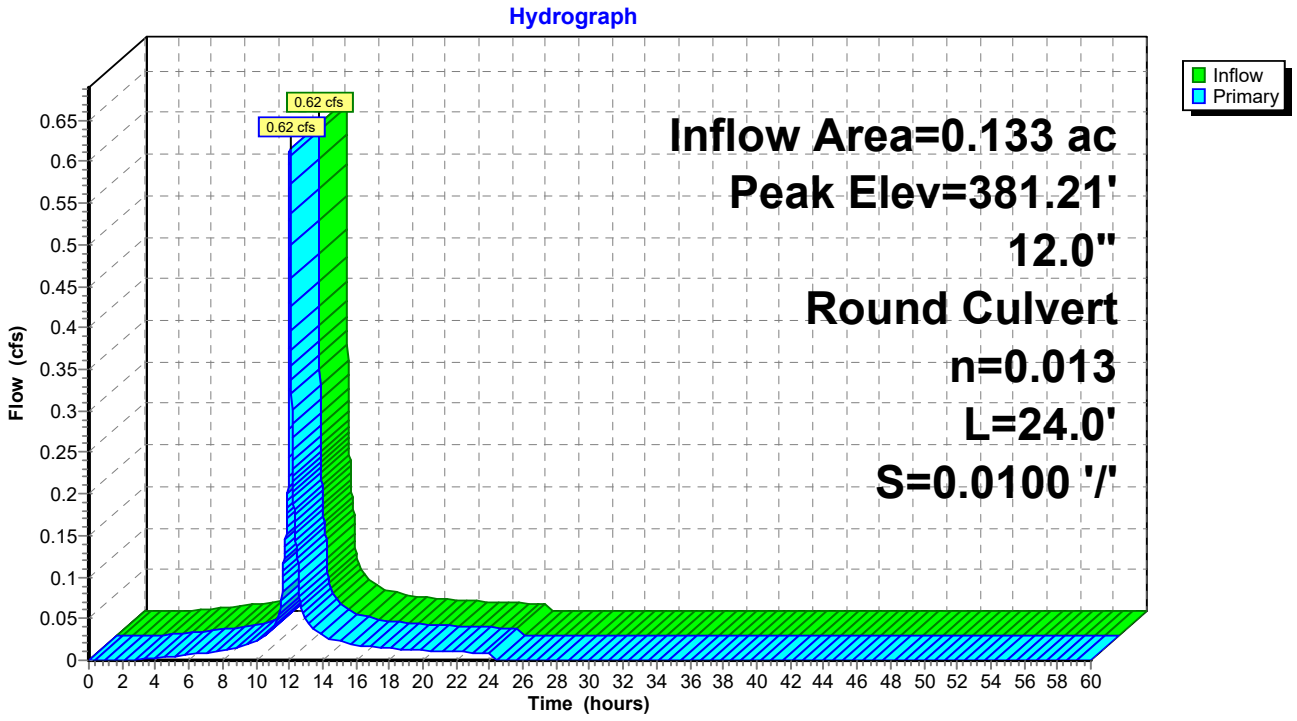
Inflow Area = 0.133 ac, 74.92% Impervious, Inflow Depth = 4.10" for 10-yr event
Inflow = 0.62 cfs @ 12.04 hrs, Volume= 0.045 af
Outflow = 0.62 cfs @ 12.04 hrs, Volume= 0.045 af, Atten= 0%, Lag= 0.0 min
Primary = 0.62 cfs @ 12.04 hrs, Volume= 0.045 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.21' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.42'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.42' / 380.18' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.04 hrs HW=381.21' TW=381.15' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.61 cfs @ 1.27 fps)

Pond 62P: CB18



Summary for Pond 63P: CB17

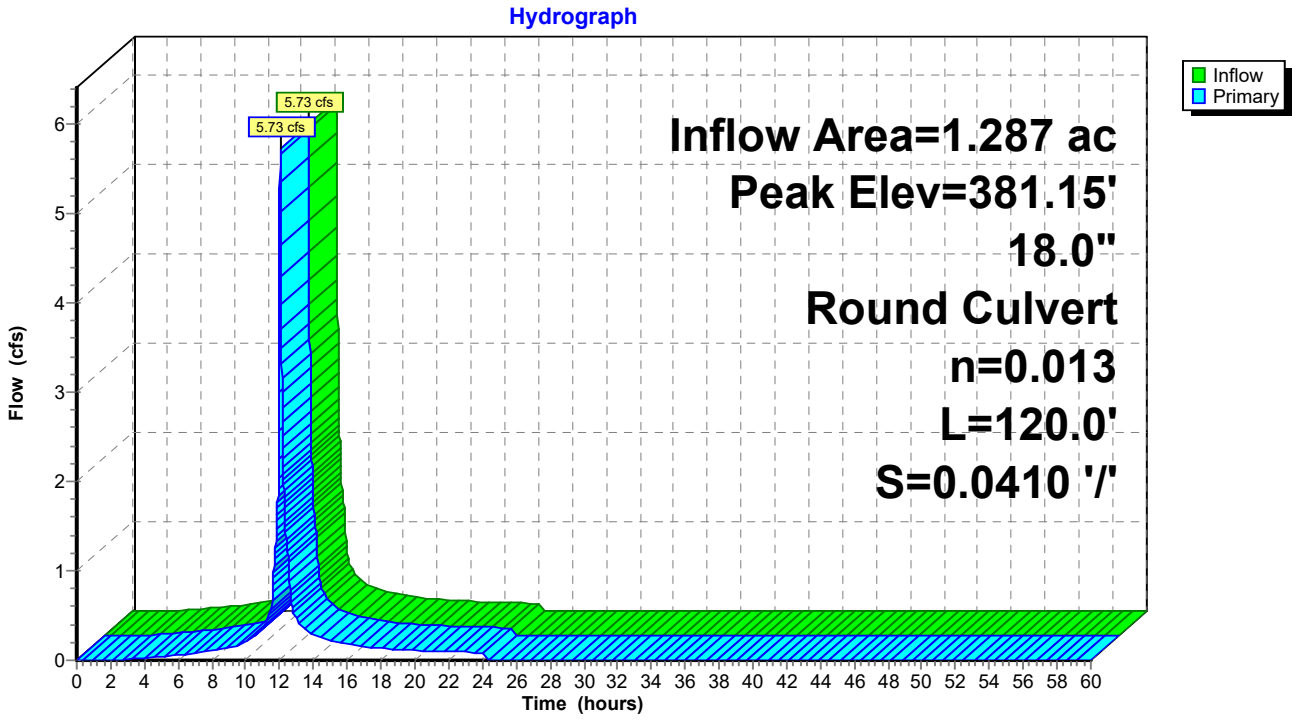
Inflow Area = 1.287 ac, 68.00% Impervious, Inflow Depth = 3.93" for 10-yr event
Inflow = 5.73 cfs @ 12.04 hrs, Volume= 0.422 af
Outflow = 5.73 cfs @ 12.04 hrs, Volume= 0.422 af, Atten= 0%, Lag= 0.0 min
Primary = 5.73 cfs @ 12.04 hrs, Volume= 0.422 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.15' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	379.68'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 379.68' / 374.76' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.72 cfs @ 12.04 hrs HW=381.15' TW=376.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.72 cfs @ 3.25 fps)

Pond 63P: CB17



Summary for Pond 64P: CB20

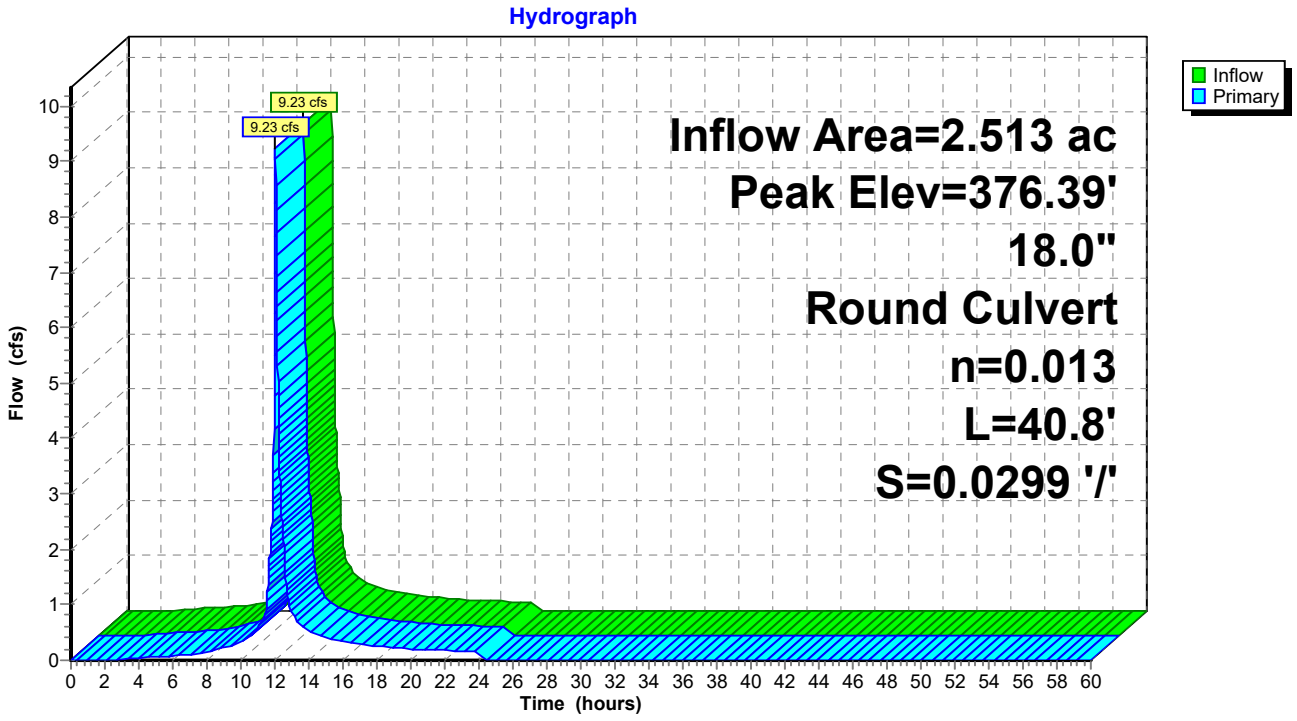
Inflow Area = 2.513 ac, 57.69% Impervious, Inflow Depth = 3.57" for 10-yr event
Inflow = 9.23 cfs @ 12.04 hrs, Volume= 0.748 af
Outflow = 9.23 cfs @ 12.04 hrs, Volume= 0.748 af, Atten= 0%, Lag= 0.0 min
Primary = 9.23 cfs @ 12.04 hrs, Volume= 0.748 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 376.39' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.30'	**18.0" Round Culvert** L= 40.8' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.30' / 372.08' S= 0.0299 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=9.21 cfs @ 12.04 hrs HW=376.38' TW=374.50' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.21 cfs @ 5.21 fps)

Pond 64P: CB20



Summary for Pond 65P: CB19

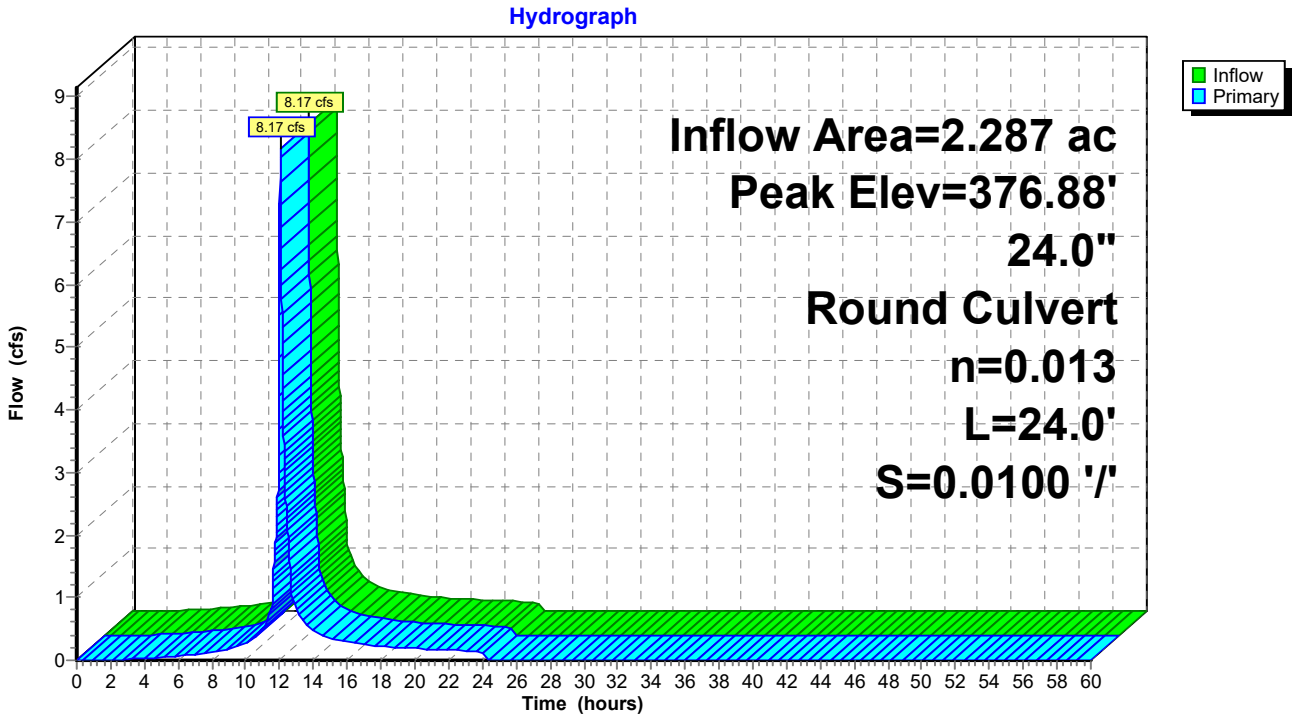
Inflow Area = 2.287 ac, 55.54% Impervious, Inflow Depth = 3.51" for 10-yr event
Inflow = 8.17 cfs @ 12.04 hrs, Volume= 0.668 af
Outflow = 8.17 cfs @ 12.04 hrs, Volume= 0.668 af, Atten= 0%, Lag= 0.0 min
Primary = 8.17 cfs @ 12.04 hrs, Volume= 0.668 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 376.88' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	375.00'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 375.00' / 374.76' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.15 cfs @ 12.04 hrs HW=376.87' TW=376.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.15 cfs @ 2.67 fps)

Pond 65P: CB19



Summary for Pond 66P: CB21

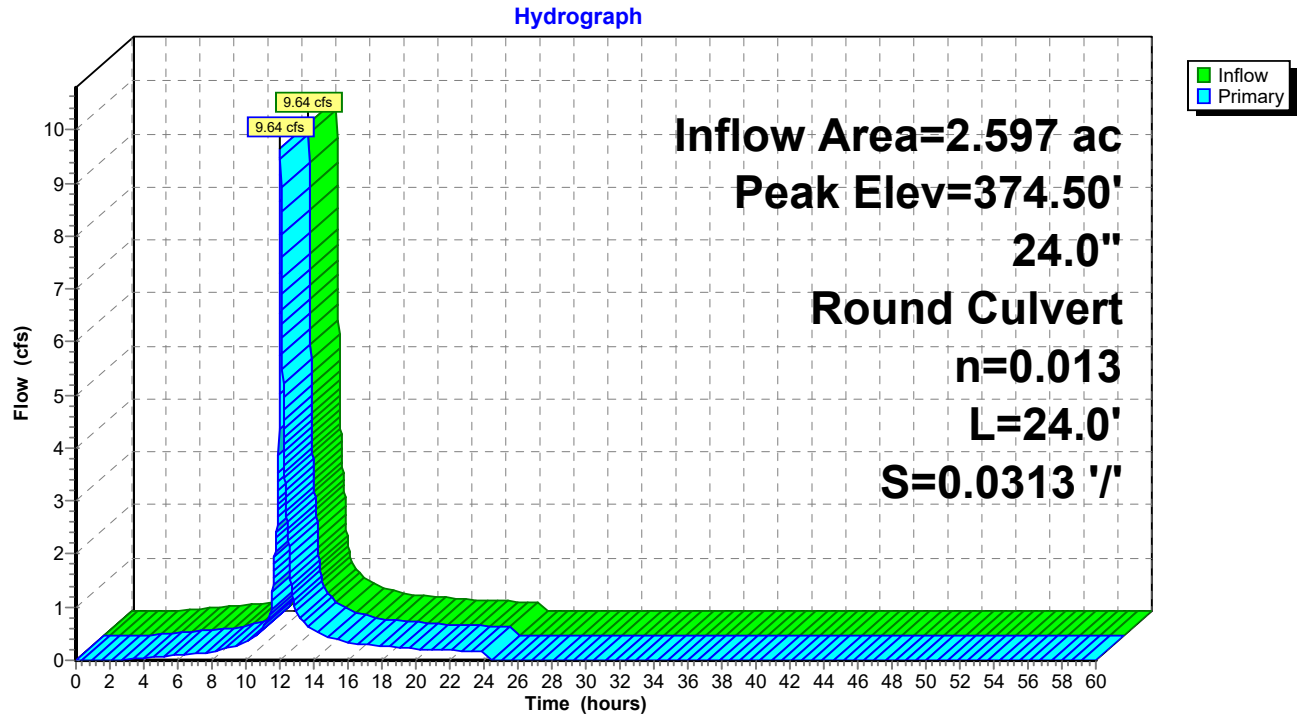
Inflow Area = 2.597 ac, 58.97% Impervious, Inflow Depth = 3.60" for 10-yr event
Inflow = 9.64 cfs @ 12.04 hrs, Volume= 0.780 af
Outflow = 9.64 cfs @ 12.04 hrs, Volume= 0.780 af, Atten= 0%, Lag= 0.0 min
Primary = 9.64 cfs @ 12.04 hrs, Volume= 0.780 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.50' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	372.84'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 372.84' / 372.09' S= 0.0313 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.63 cfs @ 12.04 hrs HW=374.50' TW=373.35' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.63 cfs @ 3.46 fps)

Pond 66P: CB21



Summary for Pond 67P: CB22

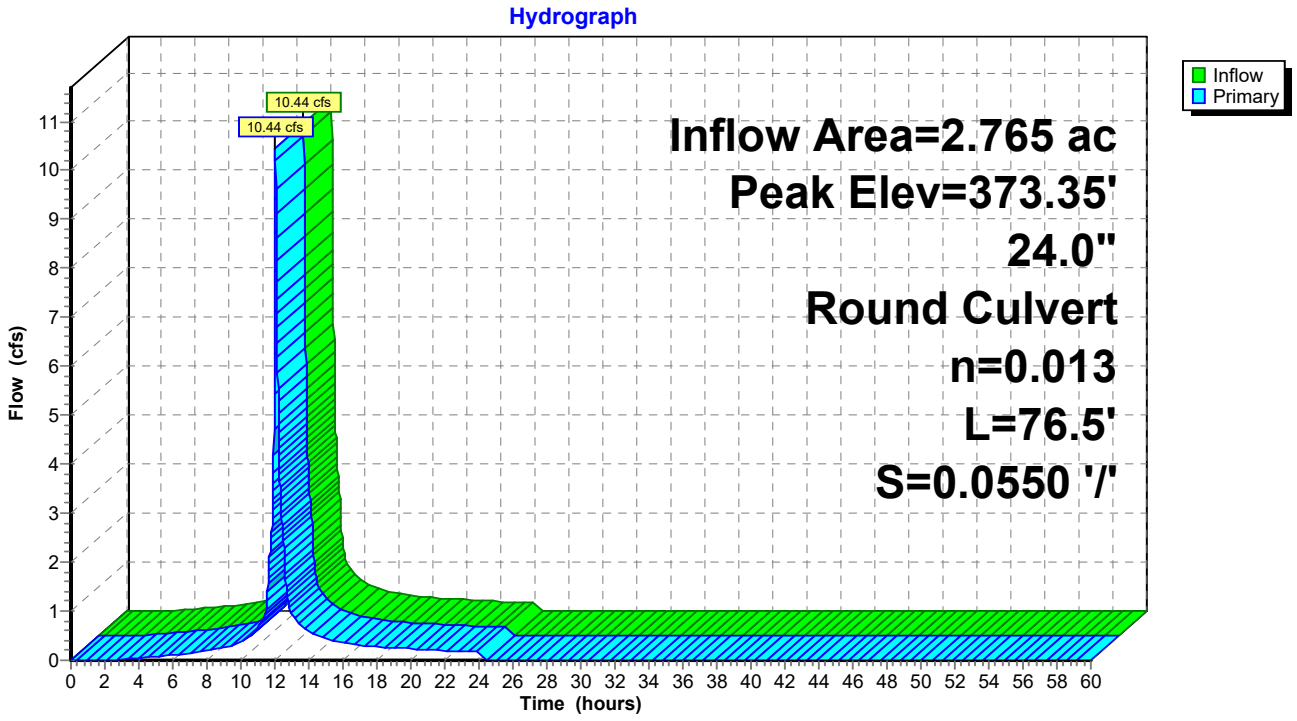
Inflow Area = 2.765 ac, 60.35% Impervious, Inflow Depth = 3.65" for 10-yr event
Inflow = 10.44 cfs @ 12.04 hrs, Volume= 0.841 af
Outflow = 10.44 cfs @ 12.04 hrs, Volume= 0.841 af, Atten= 0%, Lag= 0.0 min
Primary = 10.44 cfs @ 12.04 hrs, Volume= 0.841 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 373.35' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.59'	**24.0" Round Culvert** L= 76.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.59' / 367.38' S= 0.0550 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.43 cfs @ 12.04 hrs HW=373.35' TW=369.55' (Dynamic Tailwater)
1=Culvert (Inlet Controls 10.43 cfs @ 3.56 fps)

Pond 67P: CB22



Summary for Pond 68P: CB28

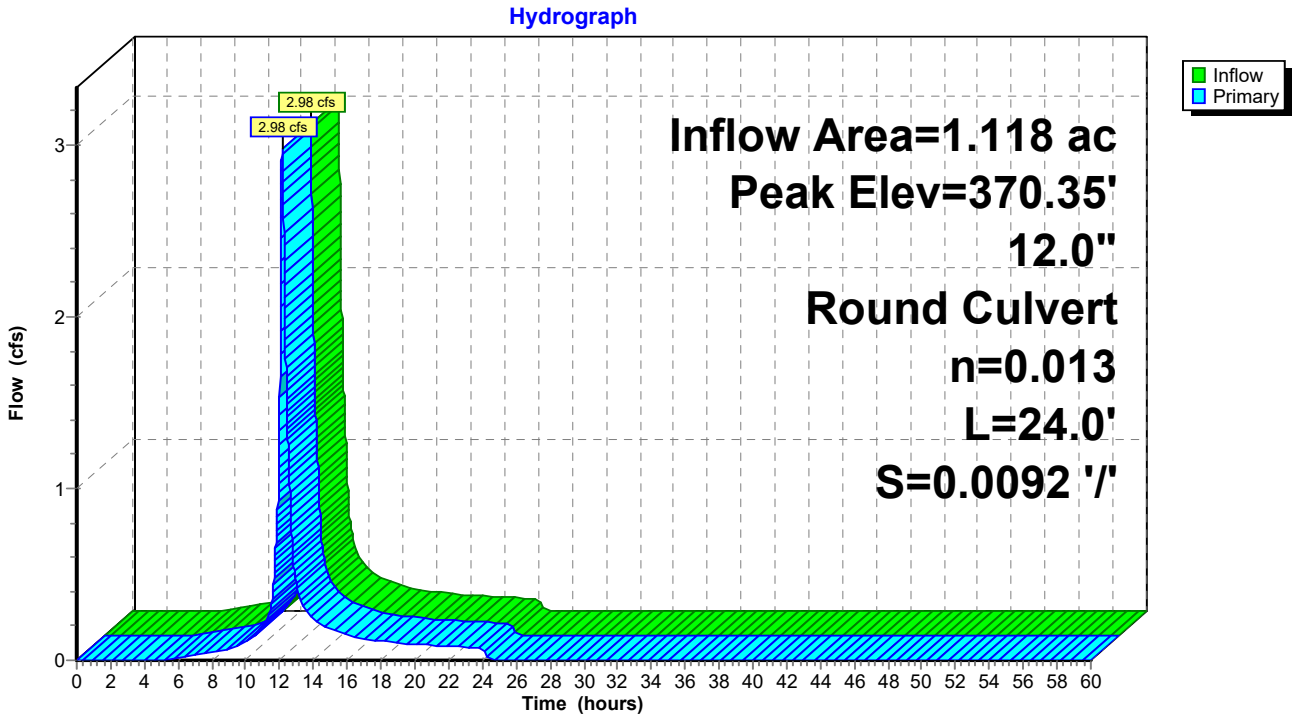
Inflow Area = 1.118 ac, 42.01% Impervious, Inflow Depth = 3.31" for 10-yr event
Inflow = 2.98 cfs @ 12.16 hrs, Volume= 0.308 af
Outflow = 2.98 cfs @ 12.16 hrs, Volume= 0.308 af, Atten= 0%, Lag= 0.0 min
Primary = 2.98 cfs @ 12.16 hrs, Volume= 0.308 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.35' @ 12.16 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.85'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.85' / 368.63' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.98 cfs @ 12.16 hrs HW=370.35' TW=369.02' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.98 cfs @ 3.79 fps)

Pond 68P: CB28



Summary for Pond 69P: CB26

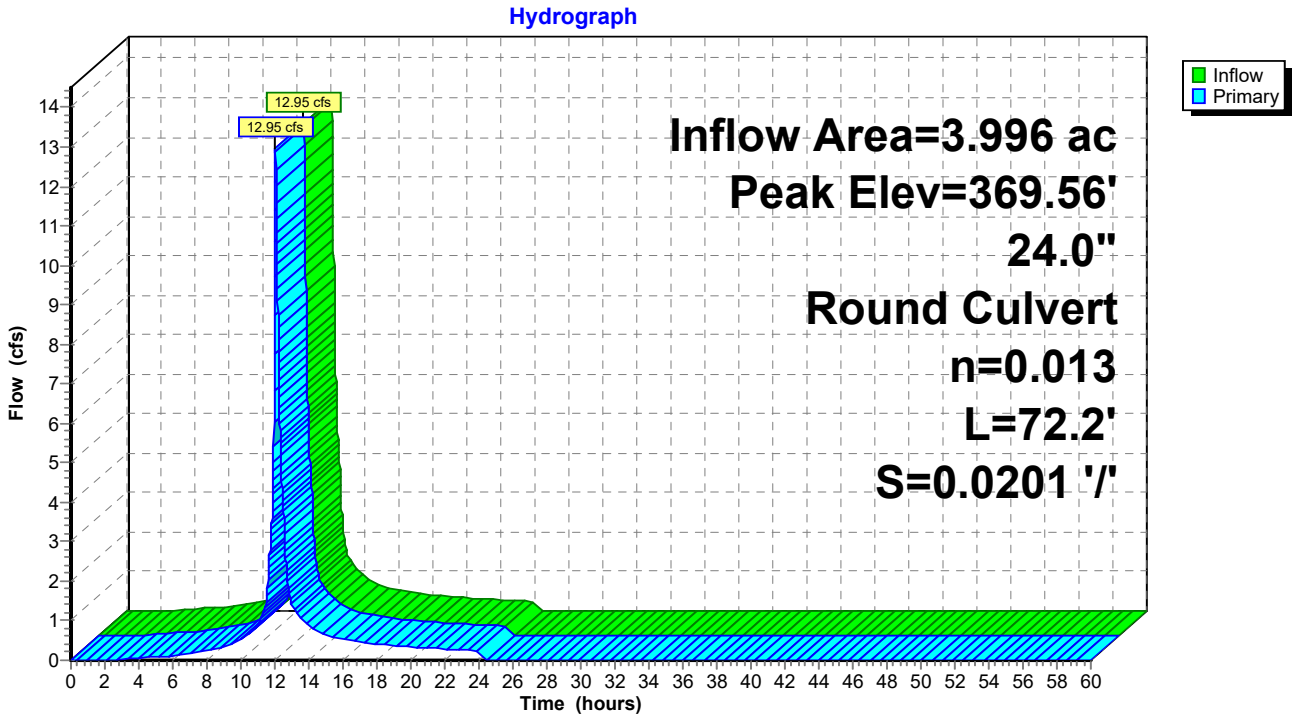
Inflow Area = 3.996 ac, 55.78% Impervious, Inflow Depth = 3.57" for 10-yr event
Inflow = 12.95 cfs @ 12.05 hrs, Volume= 1.188 af
Outflow = 12.95 cfs @ 12.05 hrs, Volume= 1.188 af, Atten= 0%, Lag= 0.0 min
Primary = 12.95 cfs @ 12.05 hrs, Volume= 1.188 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.56' @ 12.05 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.38'	**24.0" Round Culvert** L= 72.2' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.38' / 365.93' S= 0.0201 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.93 cfs @ 12.05 hrs HW=369.55' TW=367.18' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.93 cfs @ 4.12 fps)

Pond 69P: CB26



Summary for Pond 70P: CB29

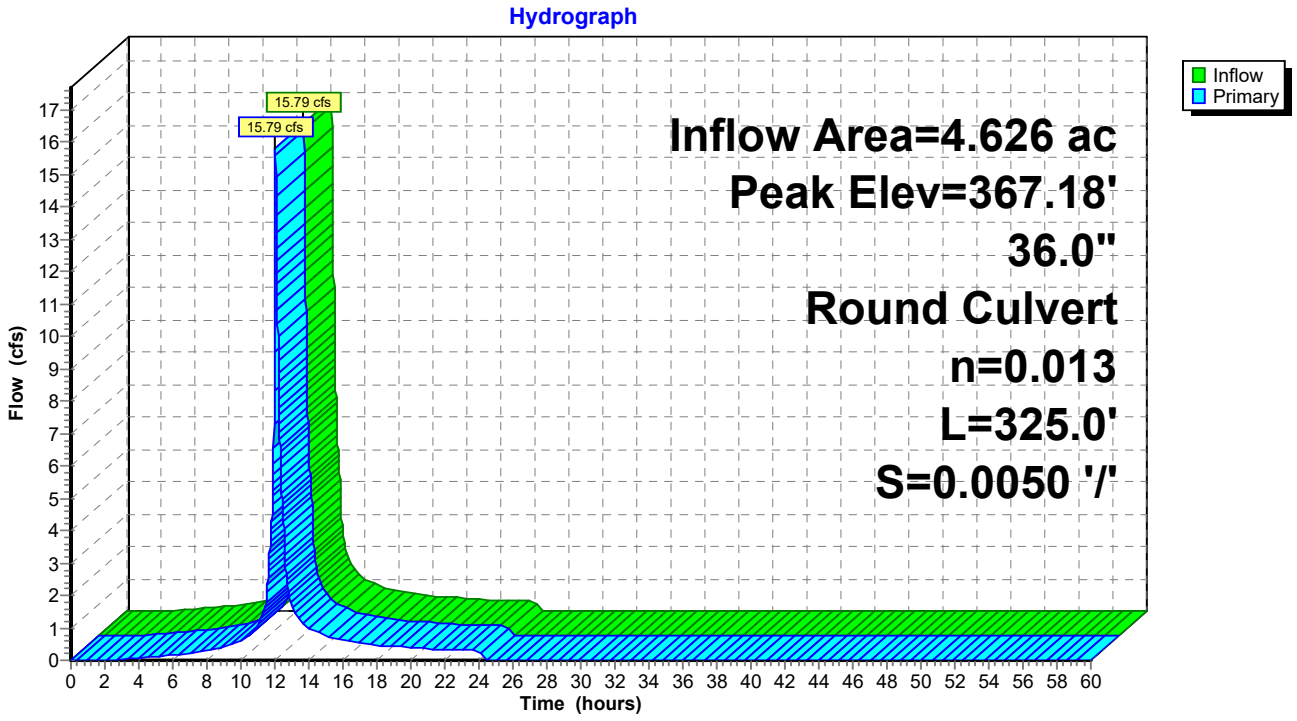
Inflow Area = 4.626 ac, 57.99% Impervious, Inflow Depth = 3.63" for 10-yr event
Inflow = 15.79 cfs @ 12.04 hrs, Volume= 1.399 af
Outflow = 15.79 cfs @ 12.04 hrs, Volume= 1.399 af, Atten= 0%, Lag= 0.0 min
Primary = 15.79 cfs @ 12.04 hrs, Volume= 1.399 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.18' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	364.93'	**36.0" Round Culvert** L= 325.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 364.93' / 363.31' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=15.57 cfs @ 12.04 hrs HW=367.18' TW=366.27' (Dynamic Tailwater)
1=Culvert (Outlet Controls 15.57 cfs @ 3.80 fps)

Pond 70P: CB29



Summary for Pond 71P: CB30

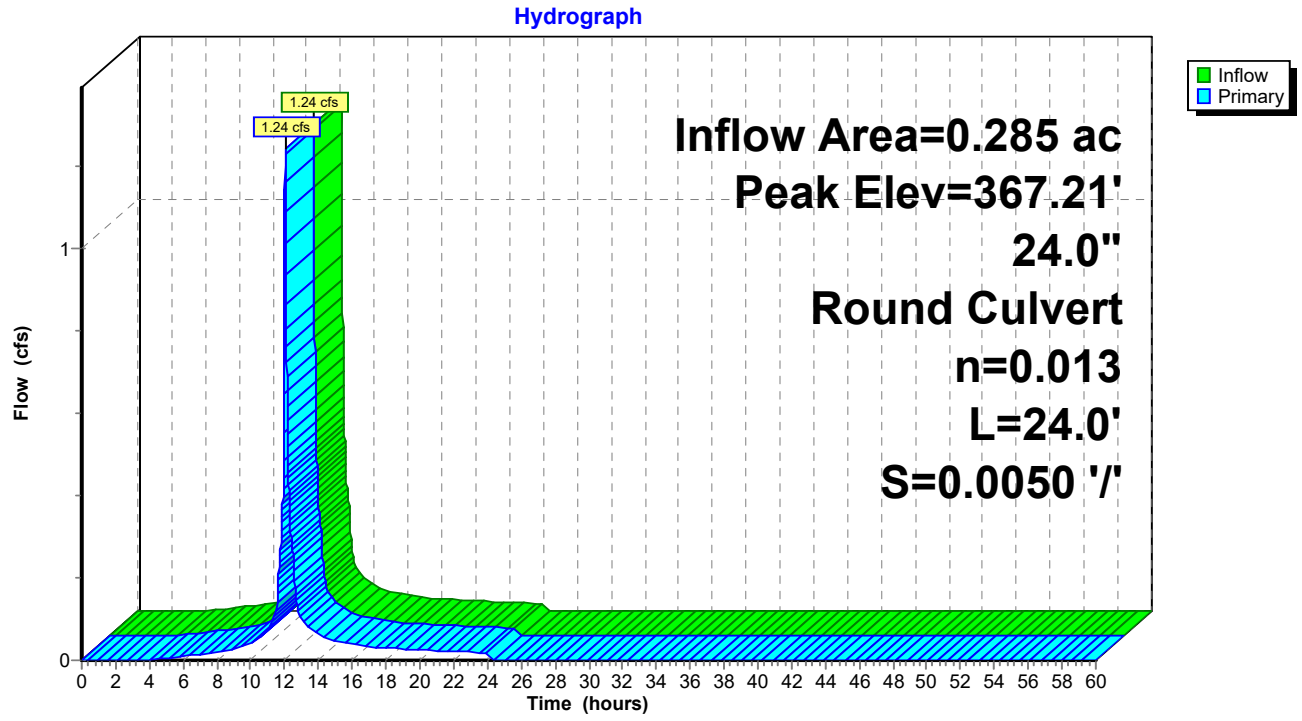
Inflow Area = 0.285 ac, 61.49% Impervious, Inflow Depth = 3.78" for 10-yr event
Inflow = 1.24 cfs @ 12.04 hrs, Volume= 0.090 af
Outflow = 1.24 cfs @ 12.04 hrs, Volume= 0.090 af, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 12.04 hrs, Volume= 0.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.21' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.05'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.05' / 365.93' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=1.07 cfs @ 12.04 hrs HW=367.19' TW=367.16' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.07 cfs @ 0.84 fps)

Pond 71P: CB30



Summary for Pond 72P: CB27

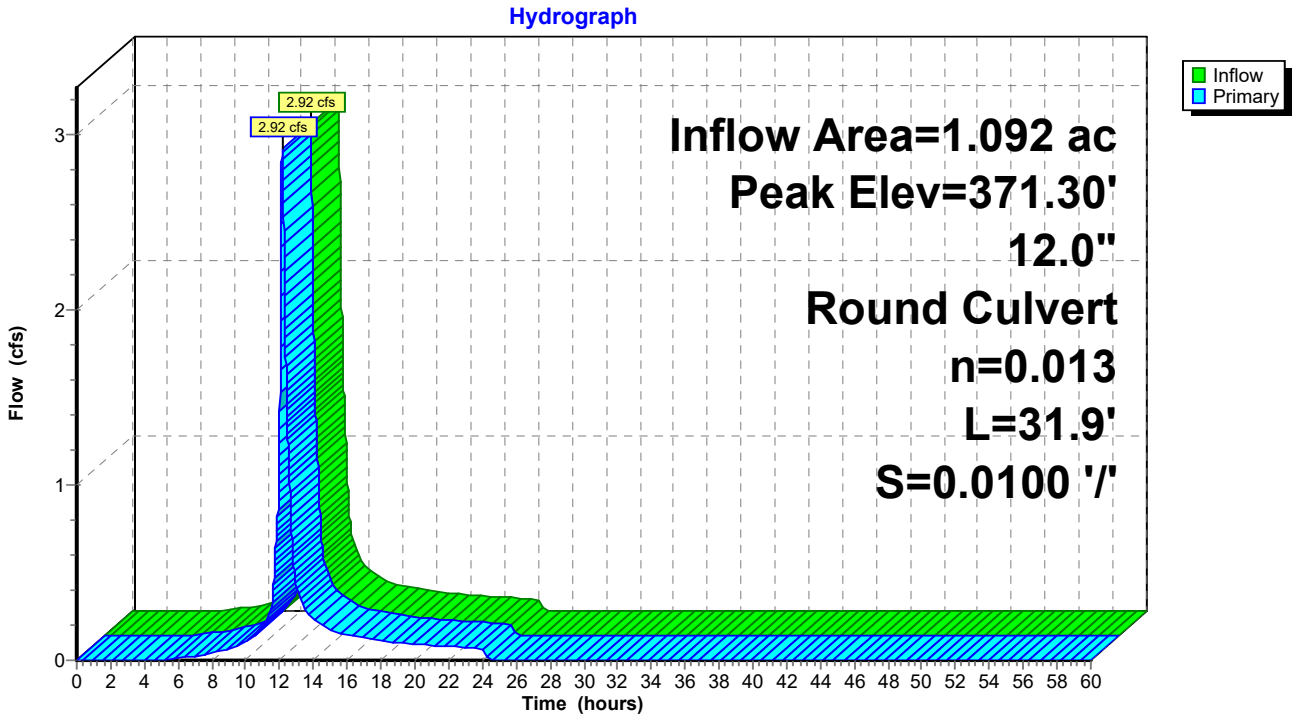
Inflow Area = 1.092 ac, 40.96% Impervious, Inflow Depth = 3.28" for 10-yr event
Inflow = 2.92 cfs @ 12.16 hrs, Volume= 0.299 af
Outflow = 2.92 cfs @ 12.16 hrs, Volume= 0.299 af, Atten= 0%, Lag= 0.0 min
Primary = 2.92 cfs @ 12.16 hrs, Volume= 0.299 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.30' @ 12.16 hrs
Flood Elev= 373.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.27'	**12.0" Round Culvert** L= 31.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.27' / 368.95' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.92 cfs @ 12.16 hrs HW=371.30' TW=370.35' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.92 cfs @ 3.72 fps)

Pond 72P: CB27



Summary for Pond 73P: CB38

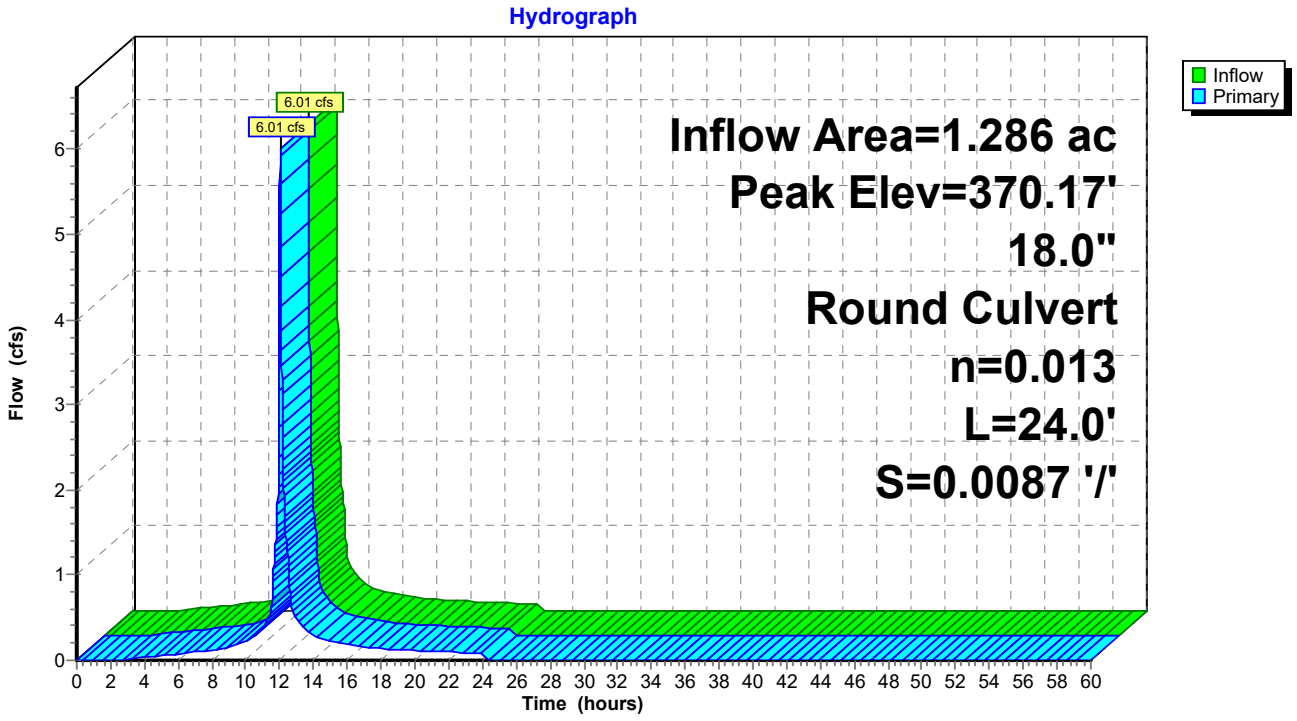
Inflow Area = 1.286 ac, 77.38% Impervious, Inflow Depth = 4.16" for 10-yr event
Inflow = 6.01 cfs @ 12.04 hrs, Volume= 0.446 af
Outflow = 6.01 cfs @ 12.04 hrs, Volume= 0.446 af, Atten= 0%, Lag= 0.0 min
Primary = 6.01 cfs @ 12.04 hrs, Volume= 0.446 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.17' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**18.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.74' S= 0.0087 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.99 cfs @ 12.04 hrs HW=370.16' TW=369.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.99 cfs @ 3.39 fps)

Pond 73P: CB38



Summary for Pond 74P: CB36

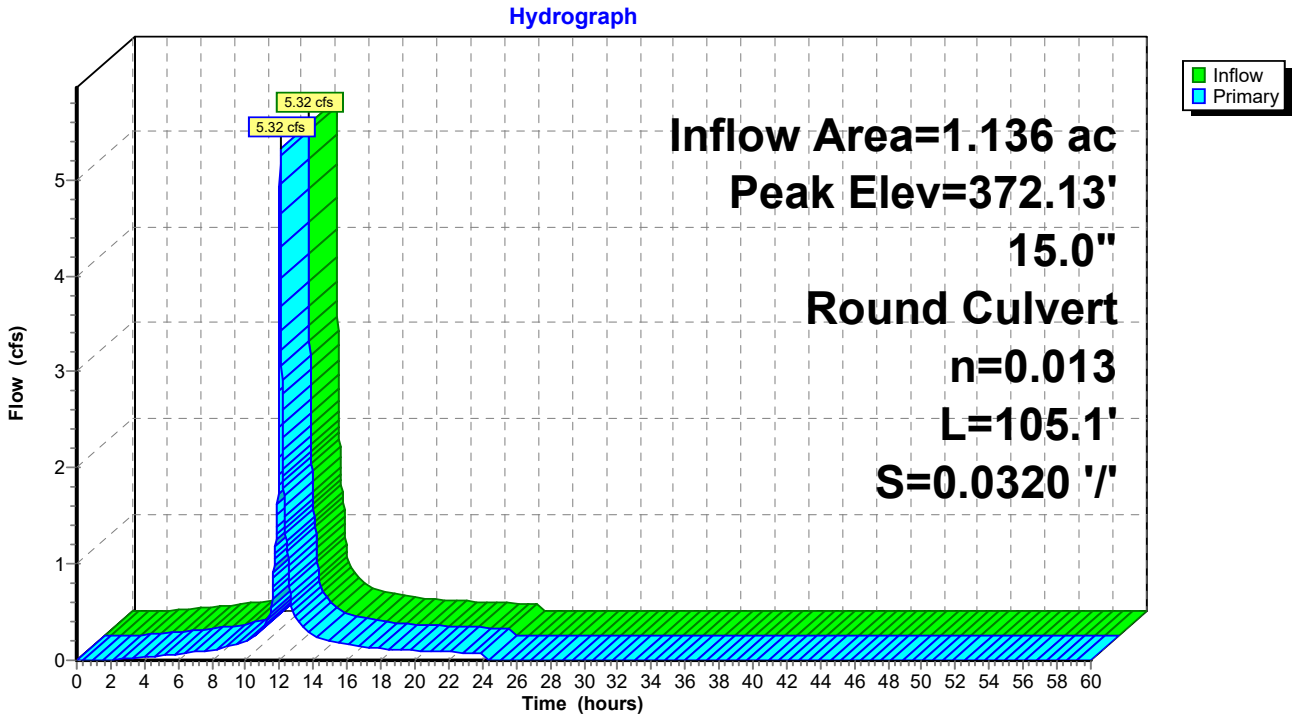
Inflow Area = 1.136 ac, 78.27% Impervious, Inflow Depth = 4.19" for 10-yr event
Inflow = 5.32 cfs @ 12.04 hrs, Volume= 0.396 af
Outflow = 5.32 cfs @ 12.04 hrs, Volume= 0.396 af, Atten= 0%, Lag= 0.0 min
Primary = 5.32 cfs @ 12.04 hrs, Volume= 0.396 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 372.13' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.20'	**15.0" Round Culvert** L= 105.1' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.20' / 366.84' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.31 cfs @ 12.04 hrs HW=372.12' TW=370.16' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.31 cfs @ 4.33 fps)

Pond 74P: CB36



Summary for Pond 75P: CB37

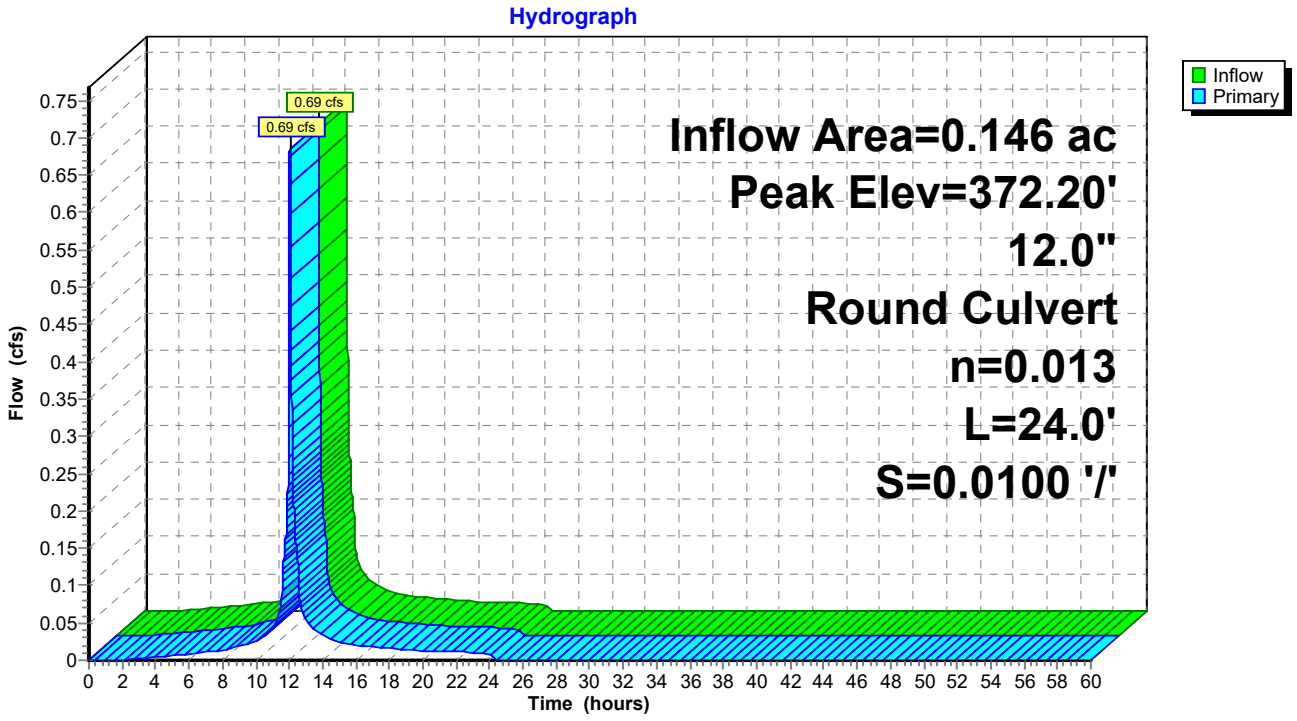
Inflow Area = 0.146 ac, 78.42% Impervious, Inflow Depth = 4.21" for 10-yr event
Inflow = 0.69 cfs @ 12.04 hrs, Volume= 0.051 af
Outflow = 0.69 cfs @ 12.04 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.69 cfs @ 12.04 hrs, Volume= 0.051 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 372.20' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.39'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.39' / 371.15' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.04 hrs HW=372.20' TW=372.12' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.68 cfs @ 1.38 fps)

Pond 75P: CB37



Summary for Pond 76P: CB34

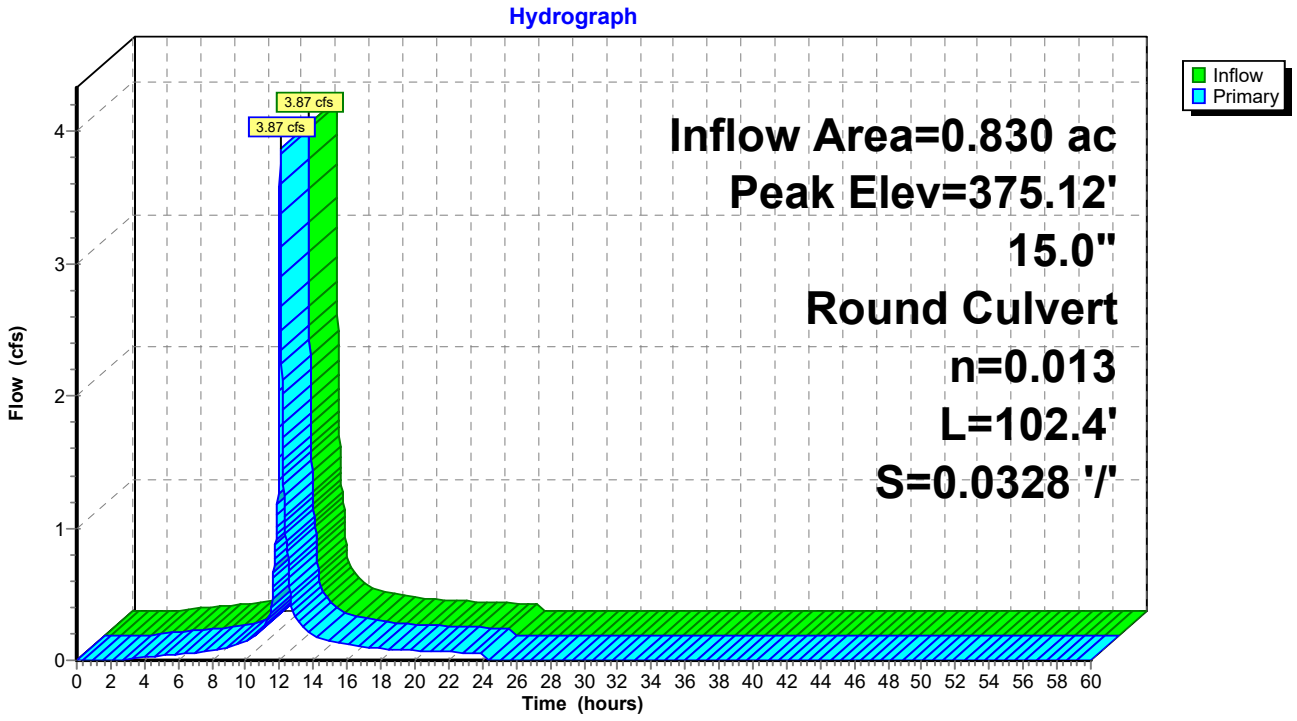
Inflow Area = 0.830 ac, 77.05% Impervious, Inflow Depth = 4.16" for 10-yr event
Inflow = 3.87 cfs @ 12.04 hrs, Volume= 0.288 af
Outflow = 3.87 cfs @ 12.04 hrs, Volume= 0.288 af, Atten= 0%, Lag= 0.0 min
Primary = 3.87 cfs @ 12.04 hrs, Volume= 0.288 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.12' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.81'	**15.0" Round Culvert** L= 102.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.81' / 370.45' S= 0.0328 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.86 cfs @ 12.04 hrs HW=375.12' TW=372.12' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.86 cfs @ 3.15 fps)

Pond 76P: CB34



Summary for Pond 78P: WQU1

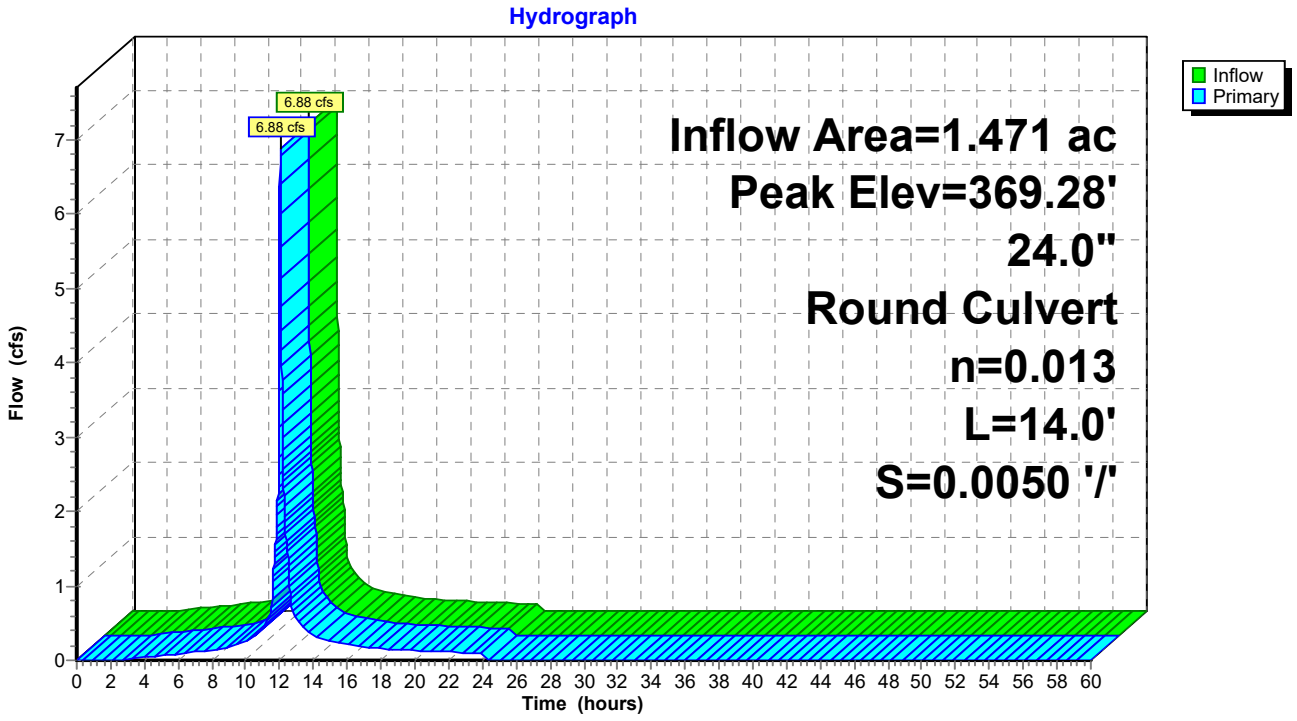
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 4.17" for 10-yr event
Inflow = 6.88 cfs @ 12.04 hrs, Volume= 0.511 af
Outflow = 6.88 cfs @ 12.04 hrs, Volume= 0.511 af, Atten= 0%, Lag= 0.0 min
Primary = 6.88 cfs @ 12.04 hrs, Volume= 0.511 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.28' @ 12.95 hrs
Flood Elev= 372.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.44'	**24.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.44' / 367.37' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.86 cfs @ 12.04 hrs HW=368.95' TW=367.84' (Dynamic Tailwater)
1=Culvert (Barrel Controls 6.86 cfs @ 3.74 fps)

Pond 78P: WQU1



Summary for Pond 79P: Underground Infiltration

Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 4.17" for 10-yr event
Inflow = 6.88 cfs @ 12.04 hrs, Volume= 0.511 af
Outflow = 0.56 cfs @ 12.96 hrs, Volume= 0.511 af, Atten= 92%, Lag= 55.5 min
Discarded = 0.56 cfs @ 12.96 hrs, Volume= 0.511 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.28' @ 12.96 hrs Surf.Area= 2,883 sf Storage= 7,673 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 106.7 min (893.4 - 786.7)

Volume	Invert	Avail.Storage	Storage Description
#1	367.37'	5,697 cf	**ADS_StormTech MC-3500 d +Cap**x 51 Inside #2 Effective Size= 70.4"W x 45.0"H => 15.33 sf x 7.17'L = 110.0 cf Overall Size= 77.0"W x 45.0"H x 7.50'L with 0.33' Overlap 3 Rows of 17 Chambers Cap Storage= +14.9 cf x 2 x 3 rows = 89.4 cf
#2	366.62'	10,160 cf	**Stone Bed (Prismatic)**Listed below (Recalc) 15,857 cf Overall - 5,697 cf Embedded = 10,160 cf
		15,857 cf	Total Available Storage

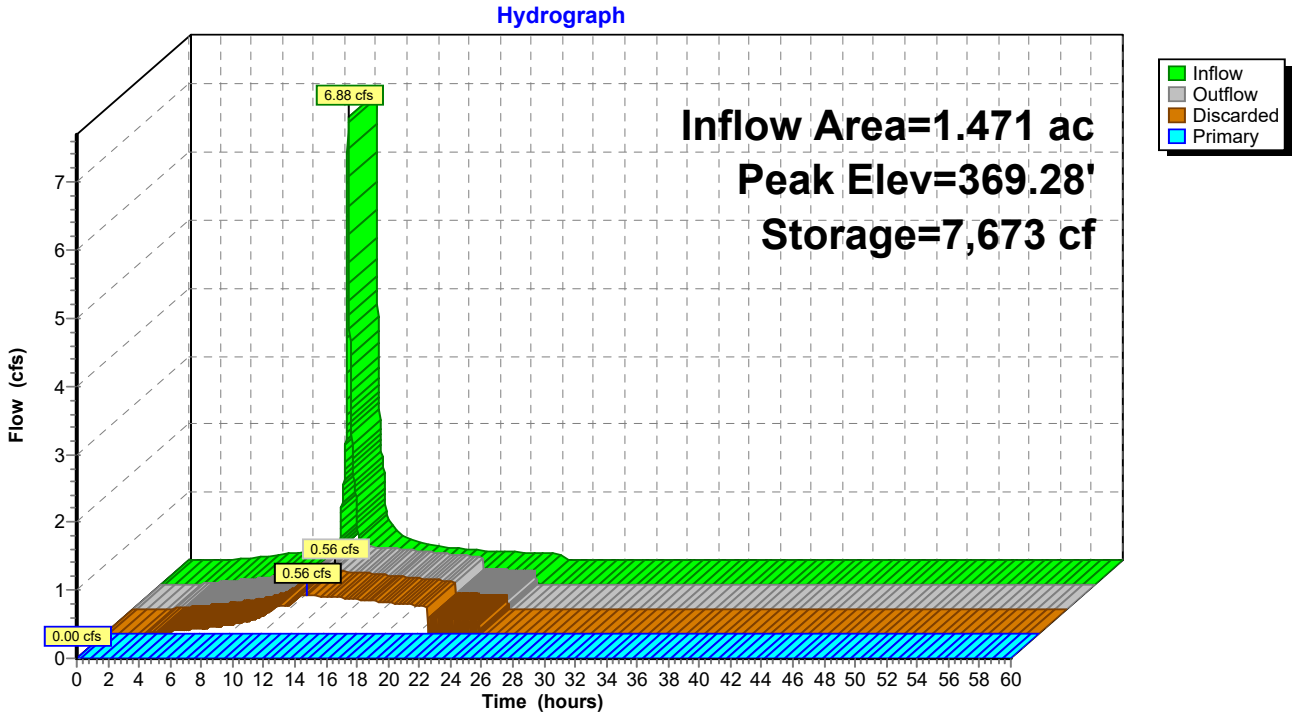
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
366.62	2,883	0	0
372.12	2,883	15,857	15,857

Device	Routing	Invert	Outlet Devices
#1	Discarded	366.62'	**6.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 360.00'
#2	Primary	370.12'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.12' / 366.80' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.56 cfs @ 12.96 hrs HW=369.28' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.56 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=366.62' TW=362.31' (Dynamic Tailwater)
↑—**2=Culvert** (Controls 0.00 cfs)

Pond 79P: Underground Infiltration



Summary for Pond 80P: CB35

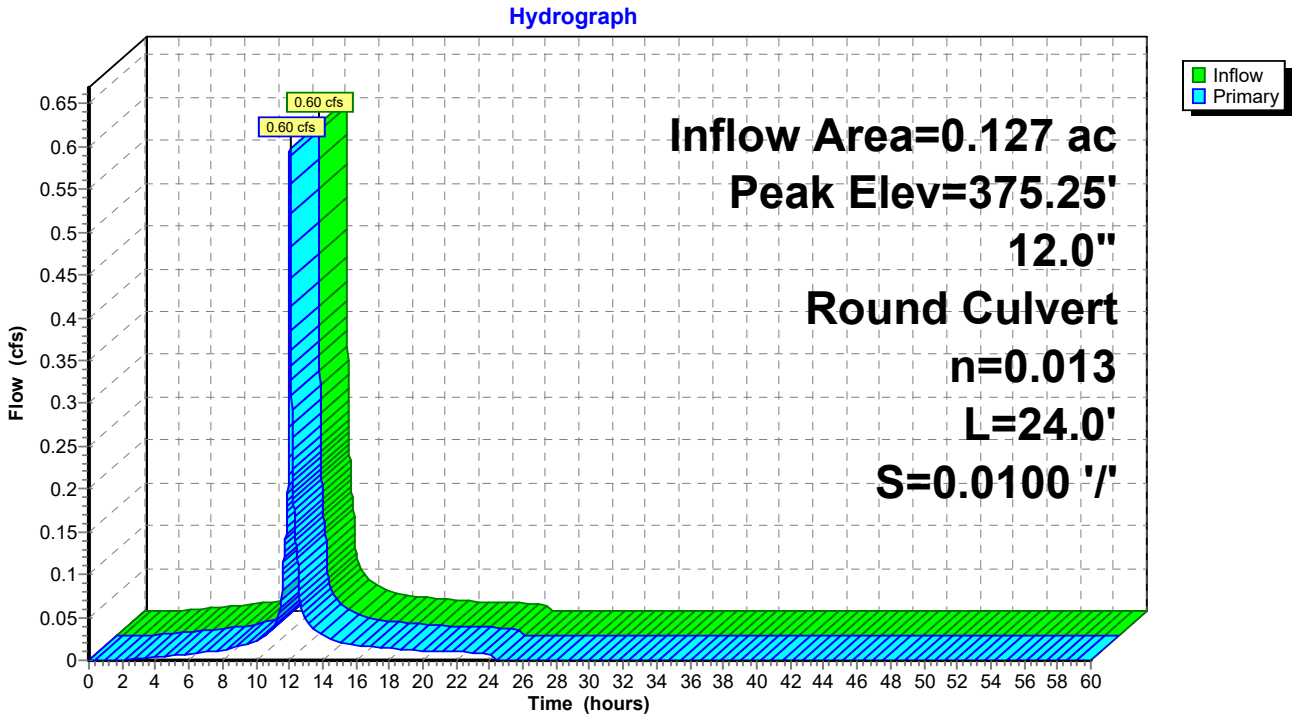
Inflow Area = 0.127 ac, 78.18% Impervious, Inflow Depth = 4.21" for 10-yr event
Inflow = 0.60 cfs @ 12.04 hrs, Volume= 0.044 af
Outflow = 0.60 cfs @ 12.04 hrs, Volume= 0.044 af, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 12.04 hrs, Volume= 0.044 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.25' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.65'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.65' / 374.41' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.04 hrs HW=375.25' TW=375.12' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.60 cfs @ 1.74 fps)

Pond 80P: CB35



Summary for Pond 81P: CB32

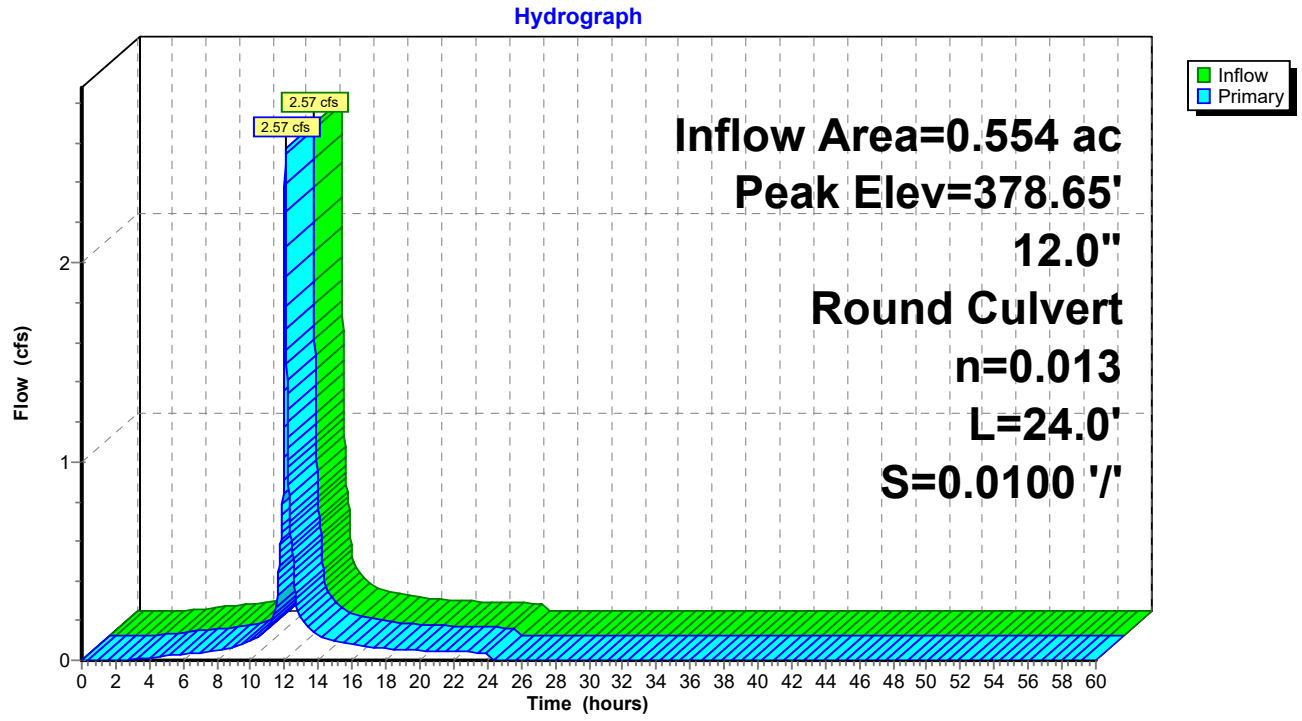
Inflow Area = 0.554 ac, 76.46% Impervious, Inflow Depth = 4.13" for 10-yr event
Inflow = 2.57 cfs @ 12.04 hrs, Volume= 0.191 af
Outflow = 2.57 cfs @ 12.04 hrs, Volume= 0.191 af, Atten= 0%, Lag= 0.0 min
Primary = 2.57 cfs @ 12.04 hrs, Volume= 0.191 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.65' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.41'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.41' / 377.17' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.57 cfs @ 12.04 hrs HW=378.65' TW=375.12' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.57 cfs @ 3.27 fps)

Pond 81P: CB32



Summary for Pond 82P: CB33

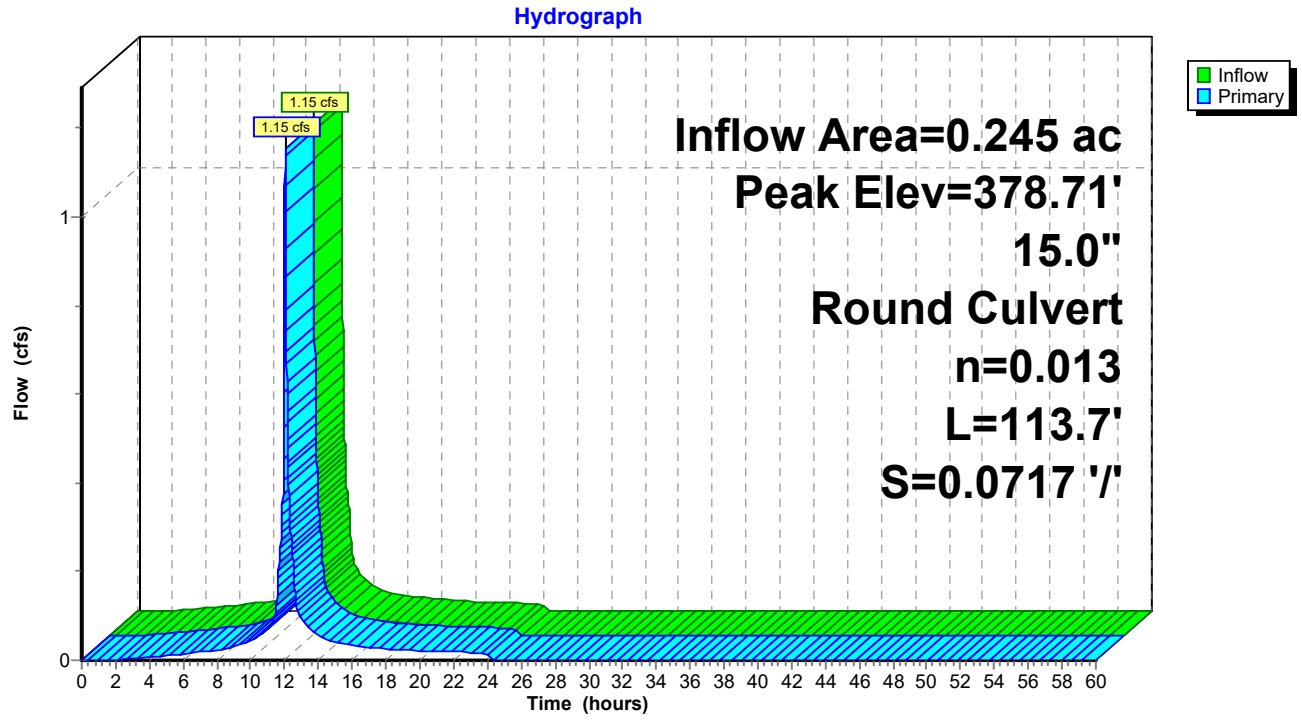
Inflow Area = 0.245 ac, 79.74% Impervious, Inflow Depth = 4.21" for 10-yr event
Inflow = 1.15 cfs @ 12.04 hrs, Volume= 0.086 af
Outflow = 1.15 cfs @ 12.03 hrs, Volume= 0.086 af, Atten= 0%, Lag= 0.0 min
Primary = 1.15 cfs @ 12.03 hrs, Volume= 0.086 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.71' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.17'	**15.0" Round Culvert** L= 113.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.17' / 369.02' S= 0.0717 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.15 cfs @ 12.03 hrs HW=378.71' TW=378.65' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.15 cfs @ 0.94 fps)

Pond 82P: CB33



Summary for Pond 84P: CB42

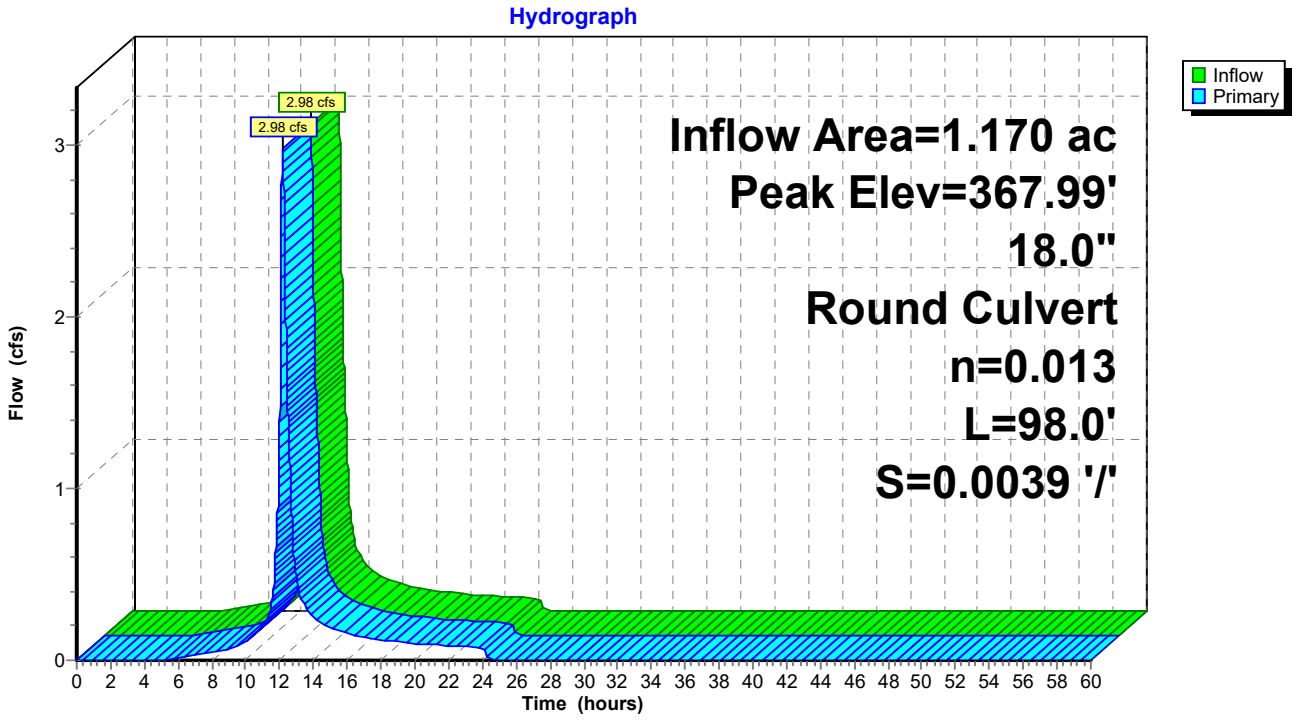
Inflow Area = 1.170 ac, 40.77% Impervious, Inflow Depth = 3.28" for 10-yr event
Inflow = 2.98 cfs @ 12.19 hrs, Volume= 0.320 af
Outflow = 2.98 cfs @ 12.19 hrs, Volume= 0.320 af, Atten= 0%, Lag= 0.0 min
Primary = 2.98 cfs @ 12.19 hrs, Volume= 0.320 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.99' @ 12.15 hrs
Flood Elev= 369.60'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.95'	**18.0" Round Culvert** L= 98.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.95' / 366.57' S= 0.0039 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.97 cfs @ 12.19 hrs HW=367.98' TW=367.38' (Dynamic Tailwater)
1=Culvert (Outlet Controls 2.97 cfs @ 3.25 fps)

Pond 84P: CB42



Summary for Pond 85P: CB5

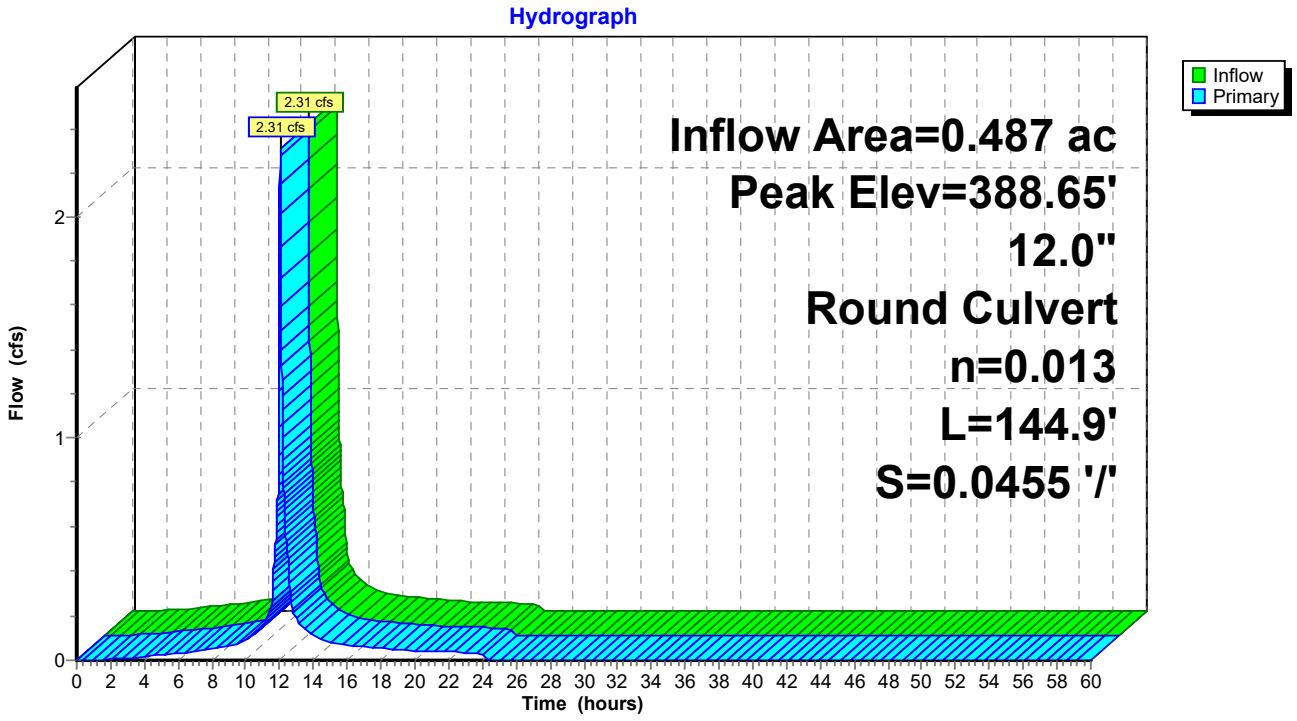
Inflow Area = 0.487 ac, 81.97% Impervious, Inflow Depth = 4.28" for 10-yr event
Inflow = 2.31 cfs @ 12.04 hrs, Volume= 0.174 af
Outflow = 2.31 cfs @ 12.04 hrs, Volume= 0.174 af, Atten= 0%, Lag= 0.0 min
Primary = 2.31 cfs @ 12.04 hrs, Volume= 0.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.65' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.55'	**12.0" Round Culvert** L= 144.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.55' / 380.95' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.30 cfs @ 12.04 hrs HW=388.64' TW=382.59' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.30 cfs @ 2.93 fps)

Pond 85P: CB5



Summary for Pond 86P: CB4

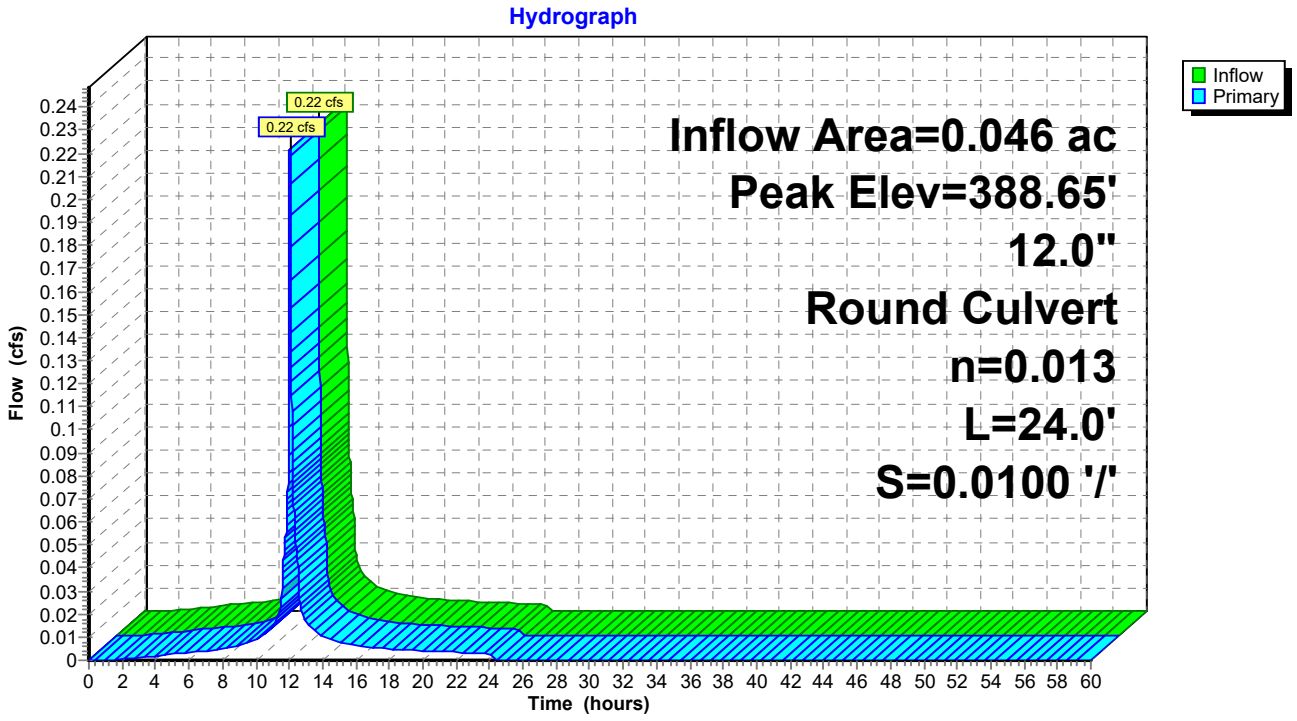
Inflow Area = 0.046 ac, 86.01% Impervious, Inflow Depth = 4.43" for 10-yr event
Inflow = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af
Outflow = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.65' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.79'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.79' / 387.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.04 hrs HW=388.65' TW=388.64' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.22 cfs @ 0.41 fps)

Pond 86P: CB4



Summary for Pond 87P: CB6

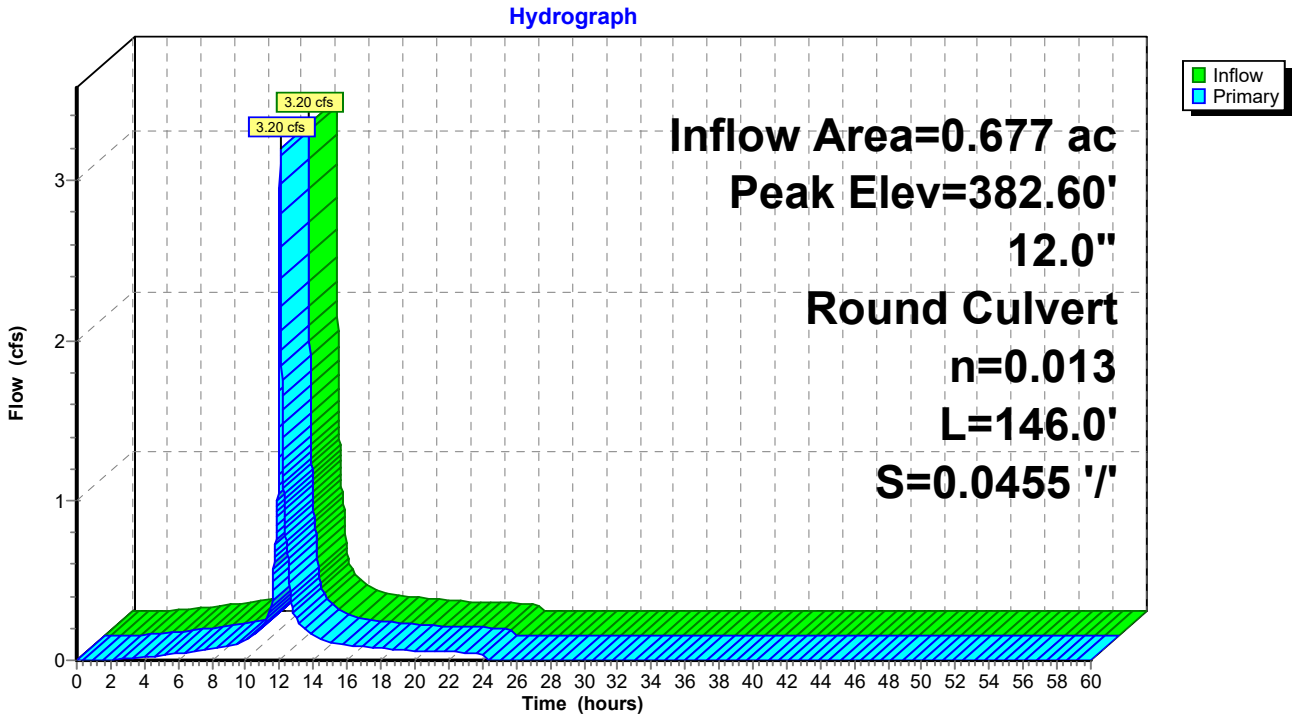
Inflow Area = 0.677 ac, 81.52% Impervious, Inflow Depth = 4.26" for 10-yr event
Inflow = 3.20 cfs @ 12.04 hrs, Volume= 0.240 af
Outflow = 3.20 cfs @ 12.04 hrs, Volume= 0.240 af, Atten= 0%, Lag= 0.0 min
Primary = 3.20 cfs @ 12.04 hrs, Volume= 0.240 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 382.60' @ 12.04 hrs
Flood Elev= 385.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.95'	**12.0" Round Culvert** L= 146.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.95' / 374.31' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.19 cfs @ 12.04 hrs HW=382.59' TW=376.88' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.19 cfs @ 4.06 fps)

Pond 87P: CB6



Summary for Pond 88P: CB31

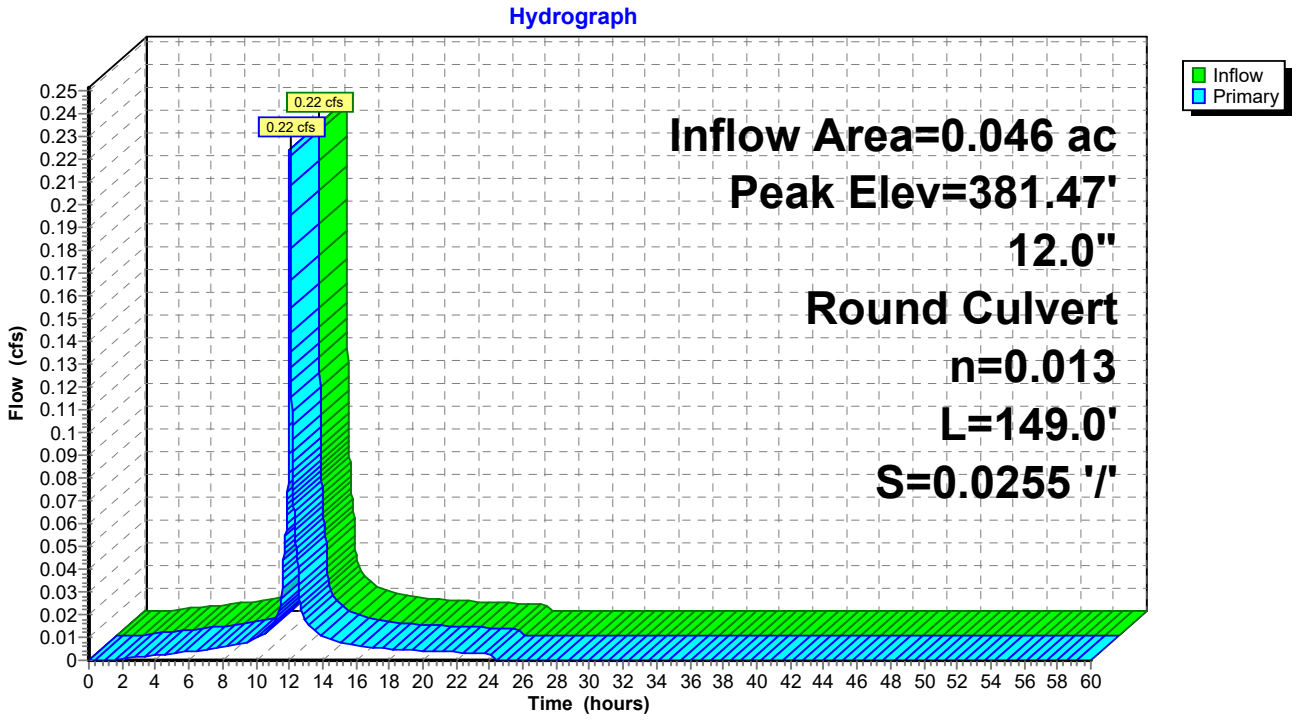
Inflow Area = 0.046 ac, 89.62% Impervious, Inflow Depth = 4.54" for 10-yr event
Inflow = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af
Outflow = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min
Primary = 0.22 cfs @ 12.04 hrs, Volume= 0.017 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.47' @ 12.04 hrs
Flood Elev= 385.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	381.21'	**12.0" Round Culvert** L= 149.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 381.21' / 377.41' S= 0.0255 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.04 hrs HW=381.47' TW=378.65' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.22 cfs @ 1.37 fps)

Pond 88P: CB31



Summary for Pond 89P: CB7

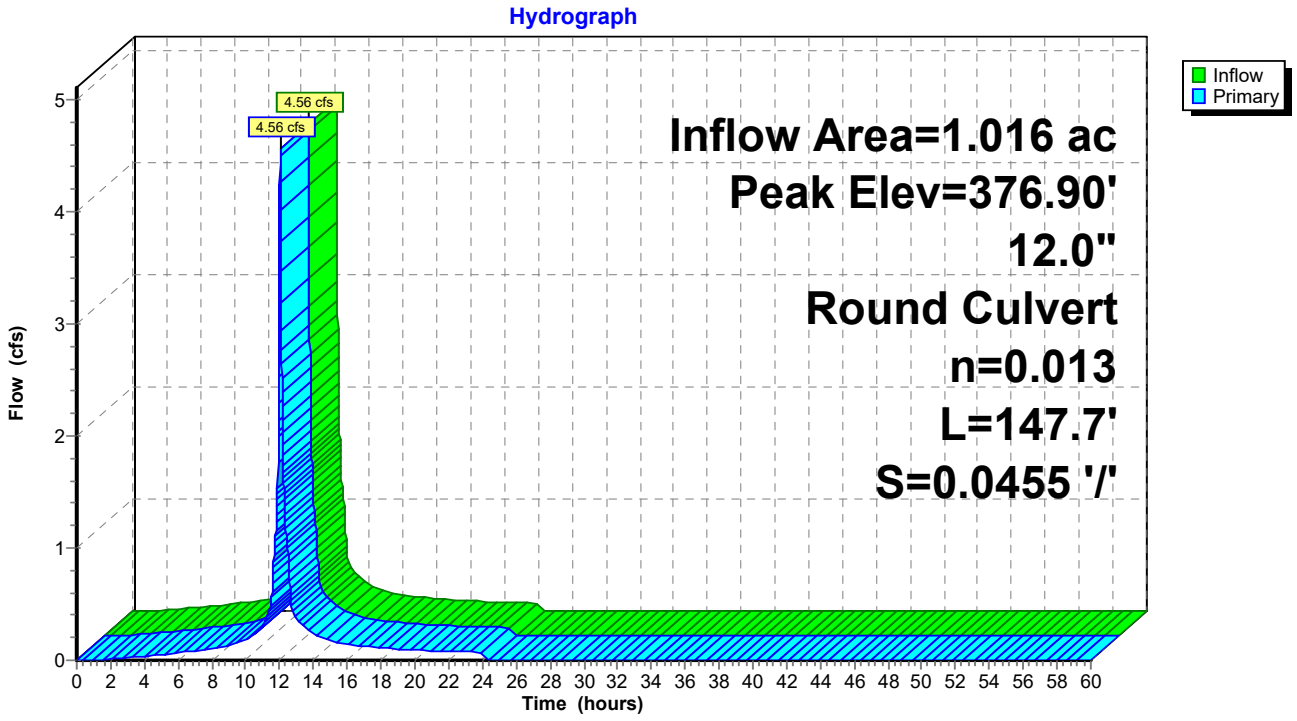
Inflow Area = 1.016 ac, 82.65% Impervious, Inflow Depth = 4.30" for 10-yr event
Inflow = 4.56 cfs @ 12.04 hrs, Volume= 0.364 af
Outflow = 4.56 cfs @ 12.04 hrs, Volume= 0.364 af, Atten= 0%, Lag= 0.0 min
Primary = 4.56 cfs @ 12.04 hrs, Volume= 0.364 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 376.90' @ 12.04 hrs
Flood Elev= 378.39'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.06'	**12.0" Round Culvert** L= 147.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.06' / 367.34' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.55 cfs @ 12.04 hrs HW=376.88' TW=369.83' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.55 cfs @ 5.80 fps)

Pond 89P: CB7



Summary for Pond 90P: CB48

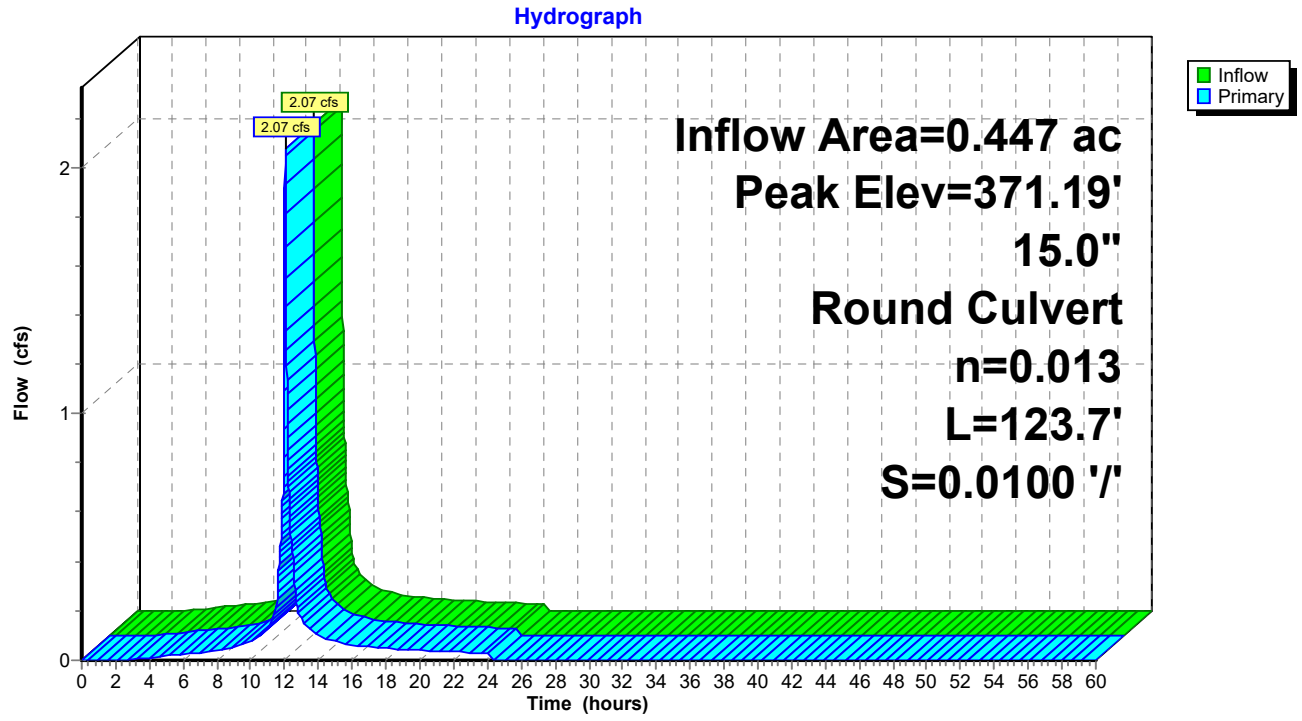
Inflow Area = 0.447 ac, 77.02% Impervious, Inflow Depth = 4.13" for 10-yr event
Inflow = 2.07 cfs @ 12.04 hrs, Volume= 0.154 af
Outflow = 2.07 cfs @ 12.04 hrs, Volume= 0.154 af, Atten= 0%, Lag= 0.0 min
Primary = 2.07 cfs @ 12.04 hrs, Volume= 0.154 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.19' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.37'	**15.0" Round Culvert** L= 123.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.37' / 369.13' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.07 cfs @ 12.04 hrs HW=371.19' TW=369.89' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.07 cfs @ 2.43 fps)

Pond 90P: CB48



Summary for Pond 92P: CB8

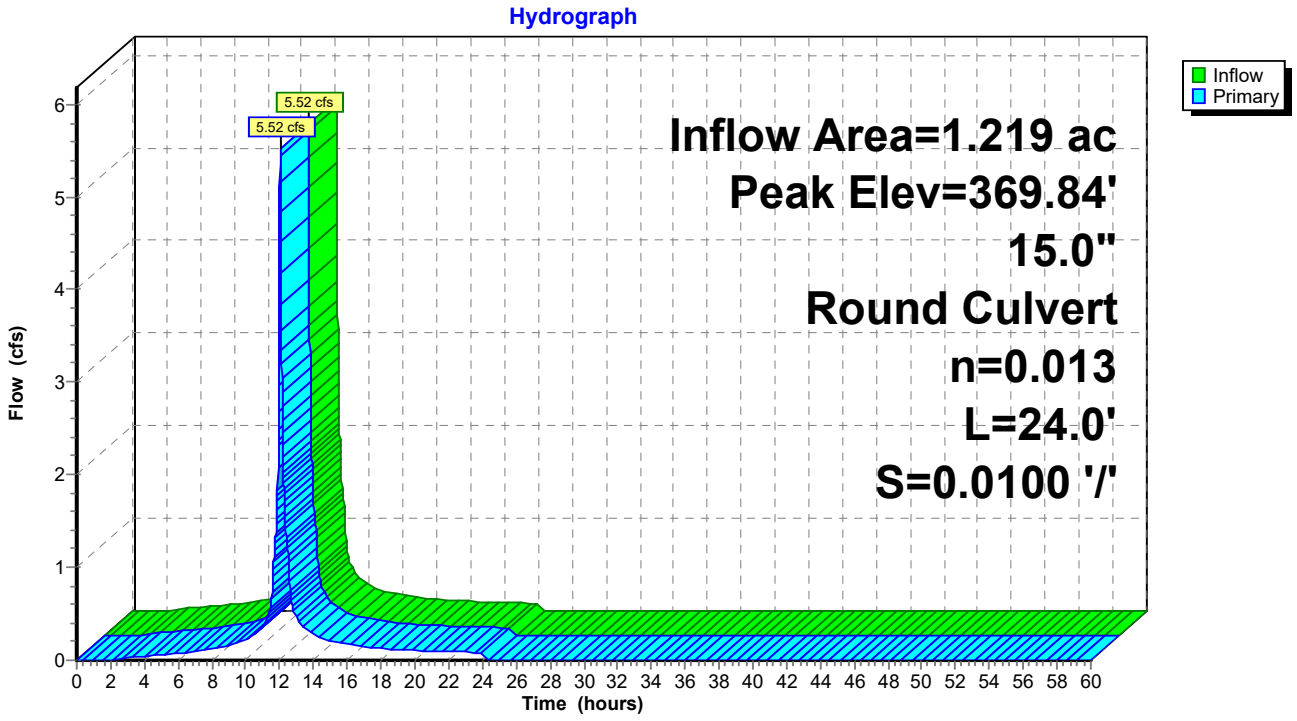
Inflow Area = 1.219 ac, 82.19% Impervious, Inflow Depth = 4.28" for 10-yr event
Inflow = 5.52 cfs @ 12.04 hrs, Volume= 0.435 af
Outflow = 5.52 cfs @ 12.04 hrs, Volume= 0.435 af, Atten= 0%, Lag= 0.0 min
Primary = 5.52 cfs @ 12.04 hrs, Volume= 0.435 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.84' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.34'	**15.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.34' / 367.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.51 cfs @ 12.04 hrs HW=369.83' TW=368.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.51 cfs @ 4.49 fps)

Pond 92P: CB8



Summary for Pond 93P: CB9

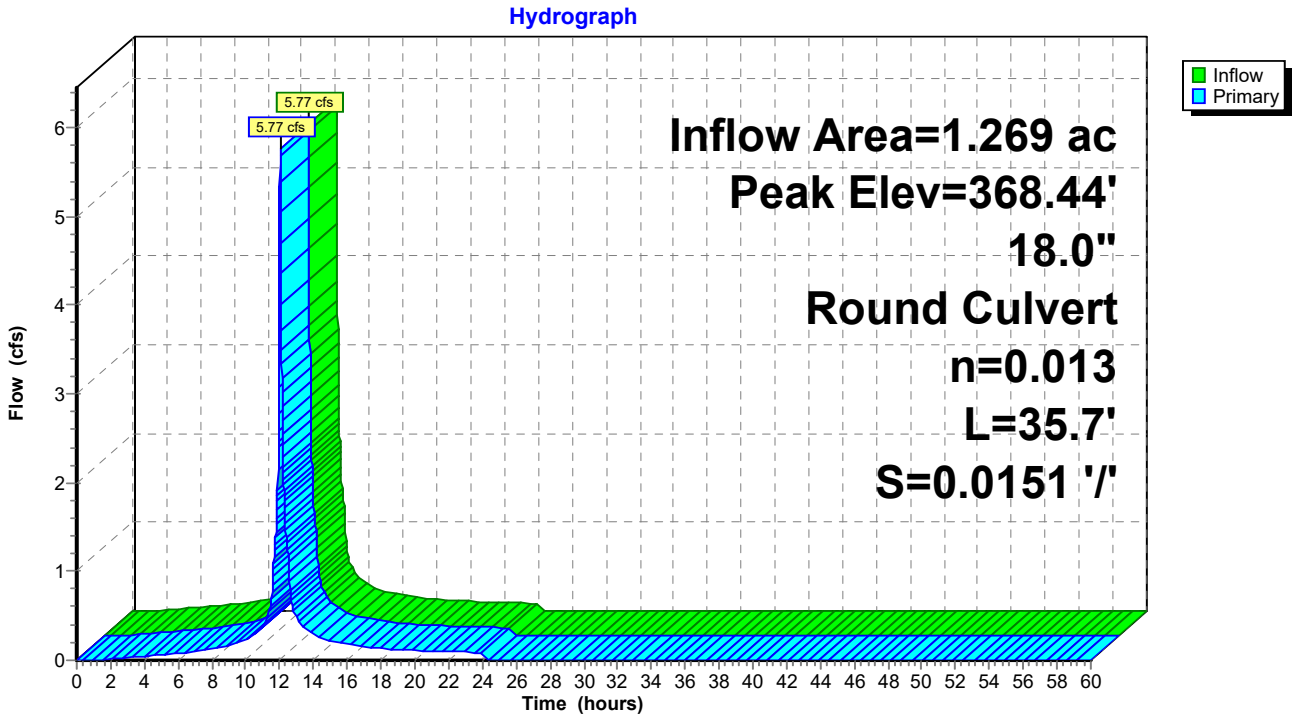
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 4.29" for 10-yr event
Inflow = 5.77 cfs @ 12.04 hrs, Volume= 0.454 af
Outflow = 5.77 cfs @ 12.04 hrs, Volume= 0.454 af, Atten= 0%, Lag= 0.0 min
Primary = 5.77 cfs @ 12.04 hrs, Volume= 0.454 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.44' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.97'	**18.0" Round Culvert** L= 35.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 366.97' / 366.43' S= 0.0151 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.75 cfs @ 12.04 hrs HW=368.44' TW=367.91' (Dynamic Tailwater)
1=Culvert (Outlet Controls 5.75 cfs @ 4.13 fps)

Pond 93P: CB9



Summary for Pond 95P: CB49

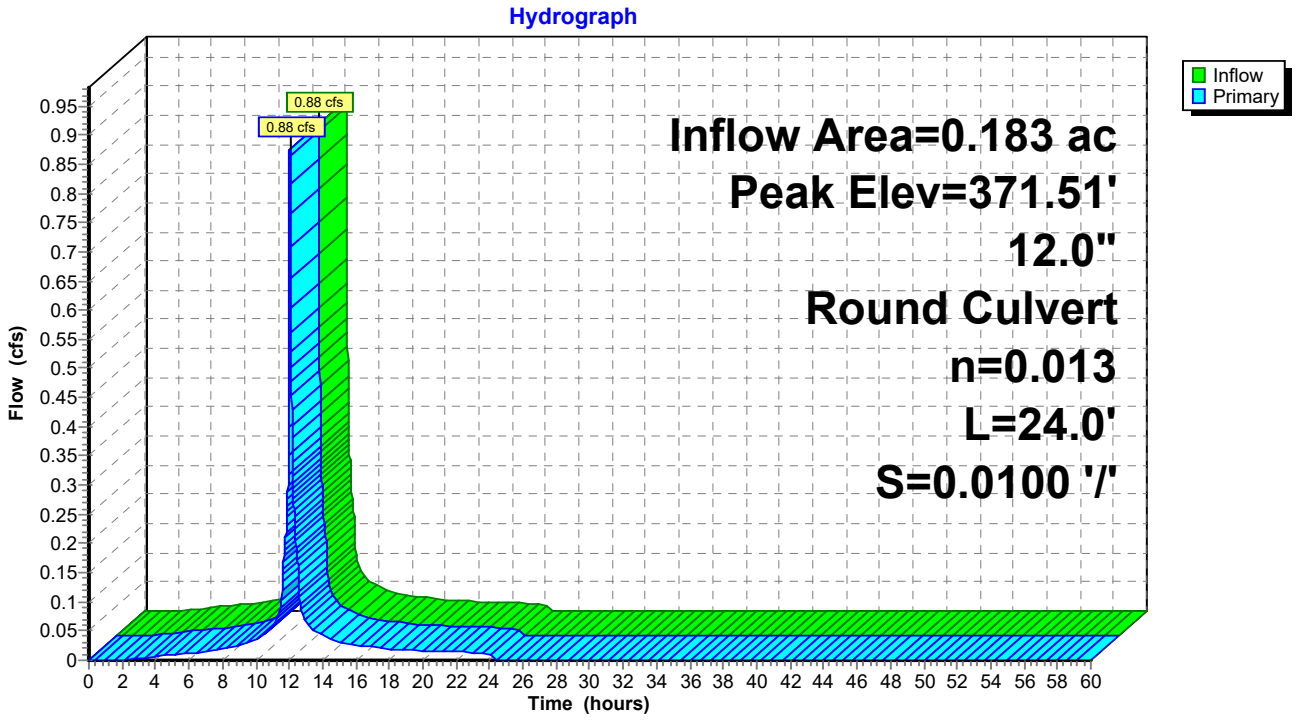
Inflow Area = 0.183 ac, 85.26% Impervious, Inflow Depth = 4.32" for 10-yr event
Inflow = 0.88 cfs @ 12.04 hrs, Volume= 0.066 af
Outflow = 0.88 cfs @ 12.04 hrs, Volume= 0.066 af, Atten= 0%, Lag= 0.0 min
Primary = 0.88 cfs @ 12.04 hrs, Volume= 0.066 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.51' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.94'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.94' / 370.70' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.87 cfs @ 12.04 hrs HW=371.51' TW=371.19' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.87 cfs @ 2.73 fps)

Pond 95P: CB49



Summary for Pond 96P: CB50

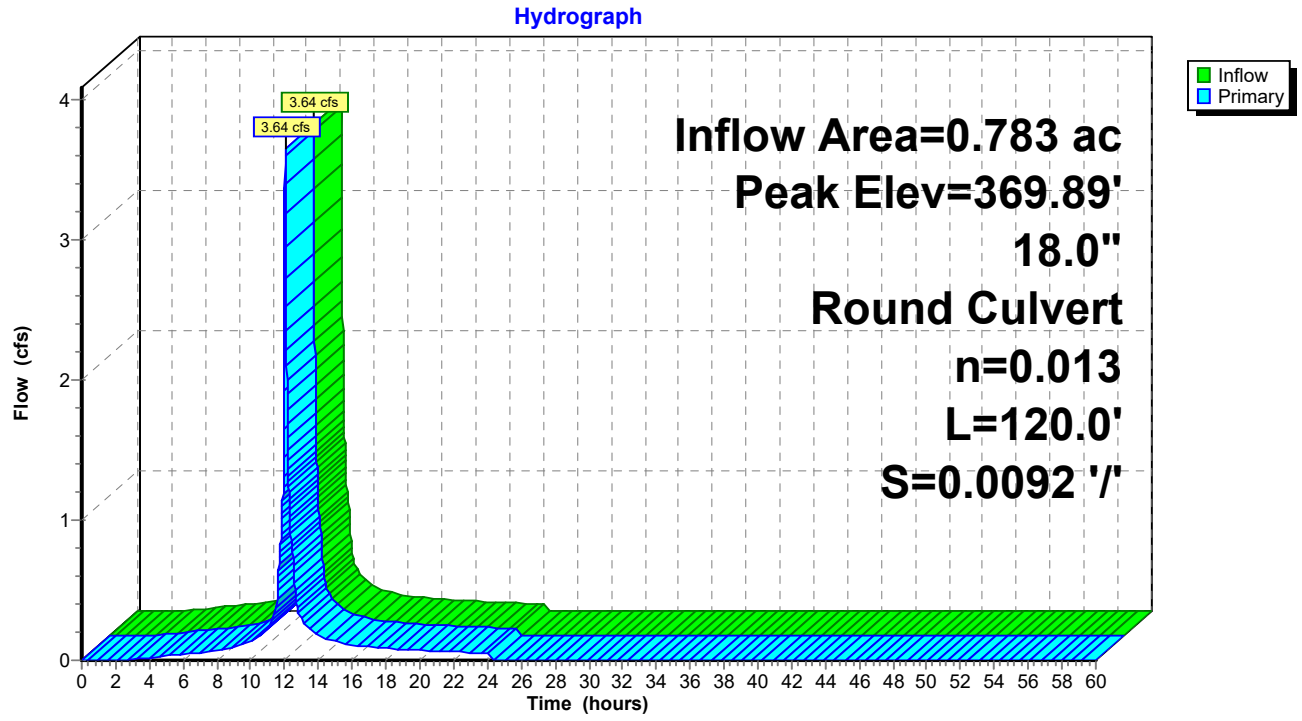
Inflow Area = 0.783 ac, 76.95% Impervious, Inflow Depth = 4.14" for 10-yr event
Inflow = 3.64 cfs @ 12.04 hrs, Volume= 0.270 af
Outflow = 3.64 cfs @ 12.04 hrs, Volume= 0.270 af, Atten= 0%, Lag= 0.0 min
Primary = 3.64 cfs @ 12.04 hrs, Volume= 0.270 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.89' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.84'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.84' / 367.74' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.63 cfs @ 12.04 hrs HW=369.89' TW=368.92' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.63 cfs @ 2.75 fps)

Pond 96P: CB50



Summary for Pond 97P: CB51

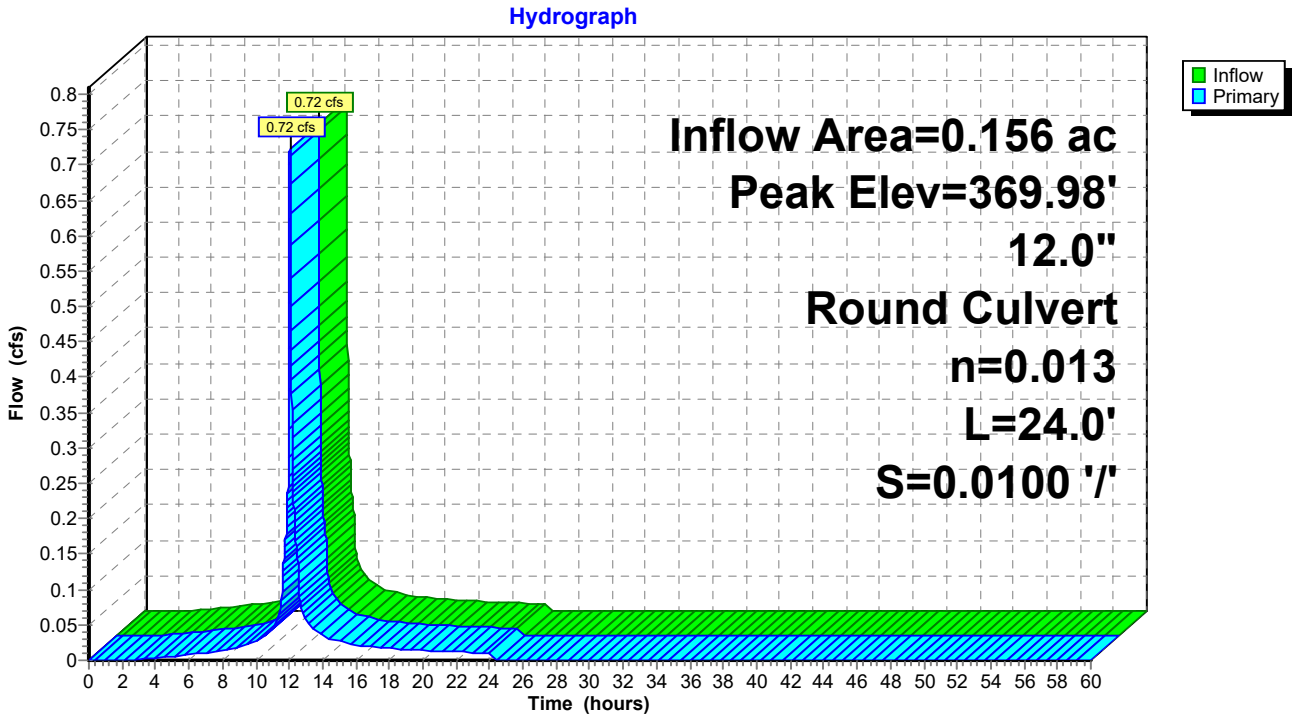
Inflow Area = 0.156 ac, 76.35% Impervious, Inflow Depth = 4.10" for 10-yr event
Inflow = 0.72 cfs @ 12.04 hrs, Volume= 0.053 af
Outflow = 0.72 cfs @ 12.04 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 12.04 hrs, Volume= 0.053 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.98' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.18'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.18' / 368.94' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.72 cfs @ 12.04 hrs HW=369.98' TW=369.89' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.72 cfs @ 1.48 fps)

Pond 97P: CB51



Summary for Pond 98P: CB52

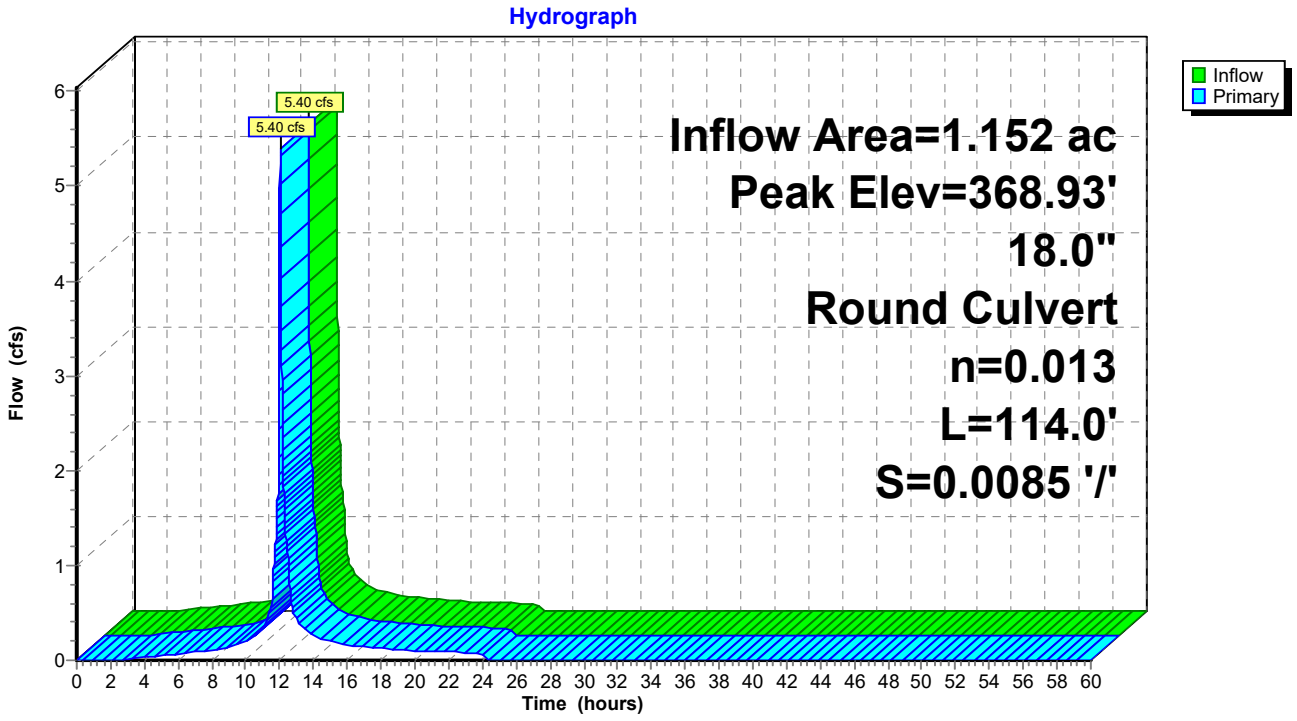
Inflow Area = 1.152 ac, 78.34% Impervious, Inflow Depth = 4.18" for 10-yr event
Inflow = 5.40 cfs @ 12.04 hrs, Volume= 0.401 af
Outflow = 5.40 cfs @ 12.04 hrs, Volume= 0.401 af, Atten= 0%, Lag= 0.0 min
Primary = 5.40 cfs @ 12.04 hrs, Volume= 0.401 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.93' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.54'	**18.0" Round Culvert** L= 114.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.54' / 366.57' S= 0.0085 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.38 cfs @ 12.04 hrs HW=368.92' TW=367.68' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.38 cfs @ 3.16 fps)

Pond 98P: CB52



Summary for Pond 99P: CB53

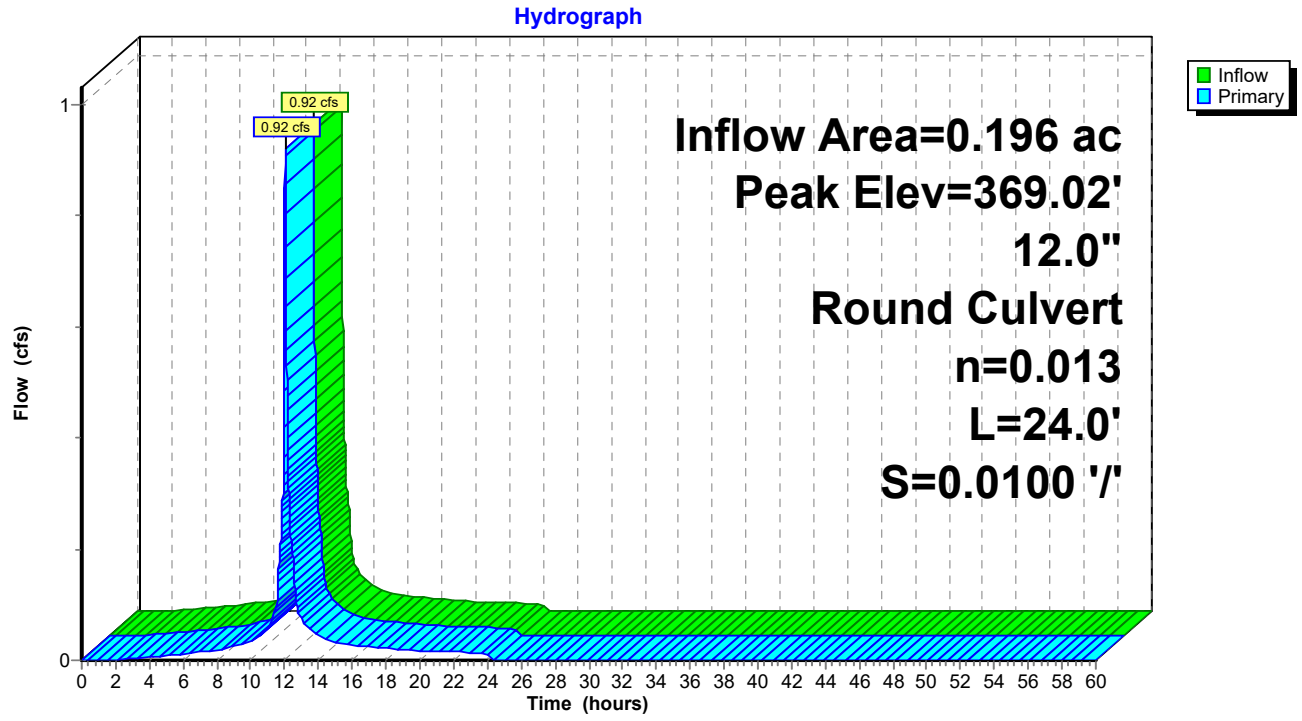
Inflow Area = 0.196 ac, 78.50% Impervious, Inflow Depth = 4.21" for 10-yr event
Inflow = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af
Outflow = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af, Atten= 0%, Lag= 0.0 min
Primary = 0.92 cfs @ 12.04 hrs, Volume= 0.069 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.02' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.71' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.92 cfs @ 12.04 hrs HW=369.02' TW=368.92' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.92 cfs @ 1.17 fps)

Pond 99P: CB53



Summary for Pond 100P: CB54

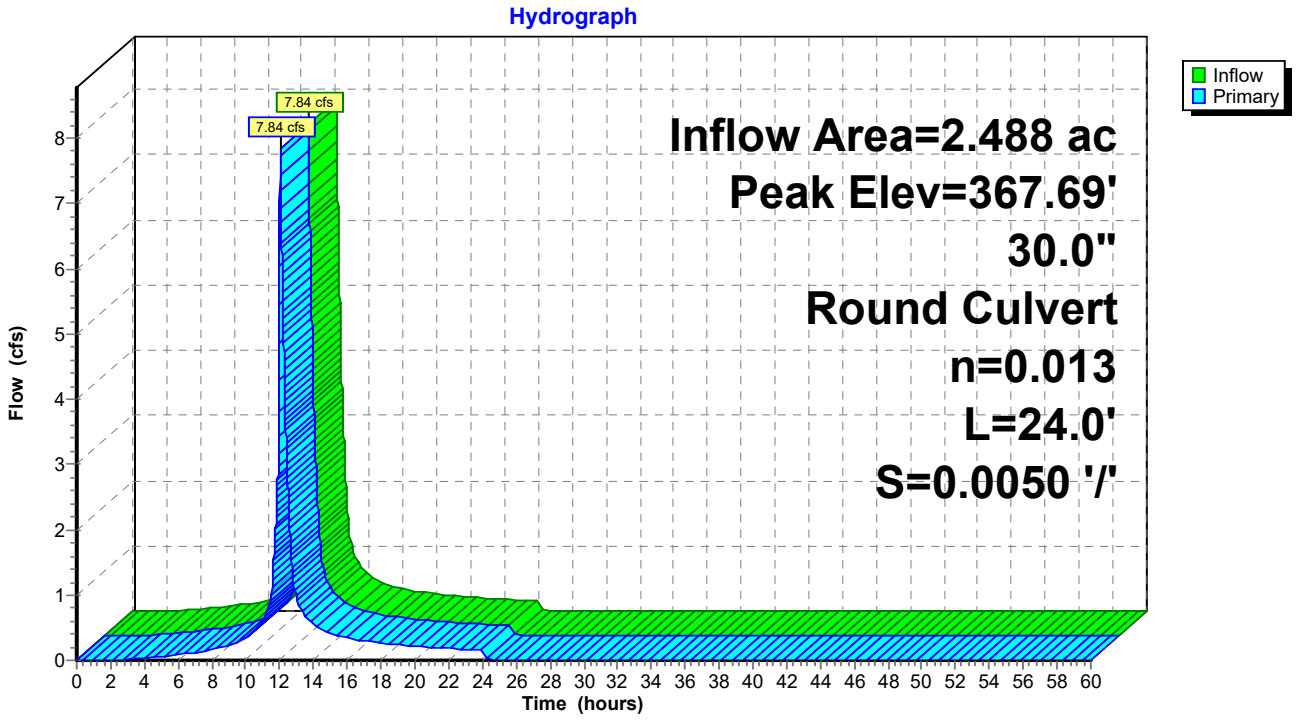
Inflow Area = 2.488 ac, 59.99% Impervious, Inflow Depth = 3.74" for 10-yr event
Inflow = 7.84 cfs @ 12.04 hrs, Volume= 0.775 af
Outflow = 7.84 cfs @ 12.04 hrs, Volume= 0.775 af, Atten= 0%, Lag= 0.0 min
Primary = 7.84 cfs @ 12.04 hrs, Volume= 0.775 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.69' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.07'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.07' / 365.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=7.83 cfs @ 12.04 hrs HW=367.69' TW=367.31' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 7.83 cfs @ 2.33 fps)

Pond 100P: CB54



Summary for Pond 101P: CB55

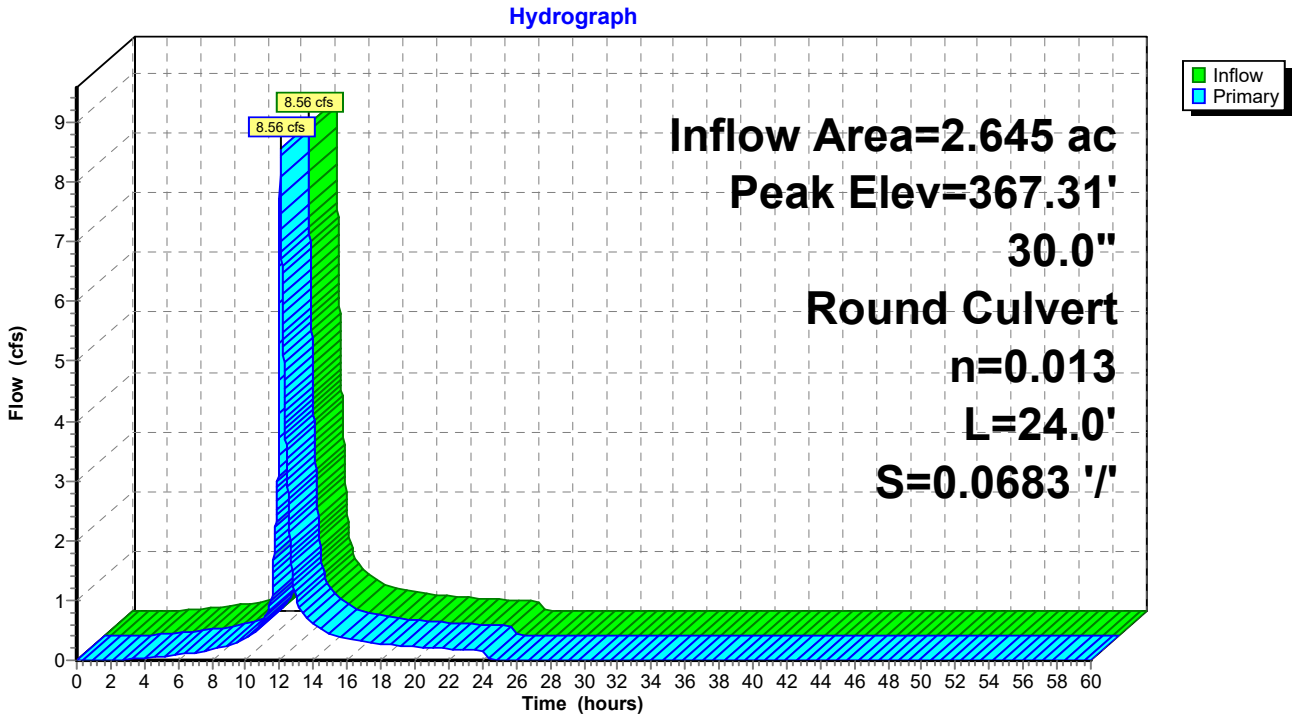
Inflow Area = 2.645 ac, 60.98% Impervious, Inflow Depth = 3.76" for 10-yr event
Inflow = 8.56 cfs @ 12.04 hrs, Volume= 0.828 af
Outflow = 8.56 cfs @ 12.04 hrs, Volume= 0.828 af, Atten= 0%, Lag= 0.0 min
Primary = 8.56 cfs @ 12.04 hrs, Volume= 0.828 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.31' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	365.95'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 365.95' / 364.31' S= 0.0683 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=8.54 cfs @ 12.04 hrs HW=367.31' TW=365.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.54 cfs @ 3.13 fps)

Pond 101P: CB55



Summary for Pond 102P: CB43

Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 3.13" for 10-yr event
Inflow = 27.08 cfs @ 12.04 hrs, Volume= 2.430 af
Outflow = 27.40 cfs @ 12.05 hrs, Volume= 2.430 af, Atten= 0%, Lag= 0.3 min
Primary = 27.40 cfs @ 12.05 hrs, Volume= 2.430 af

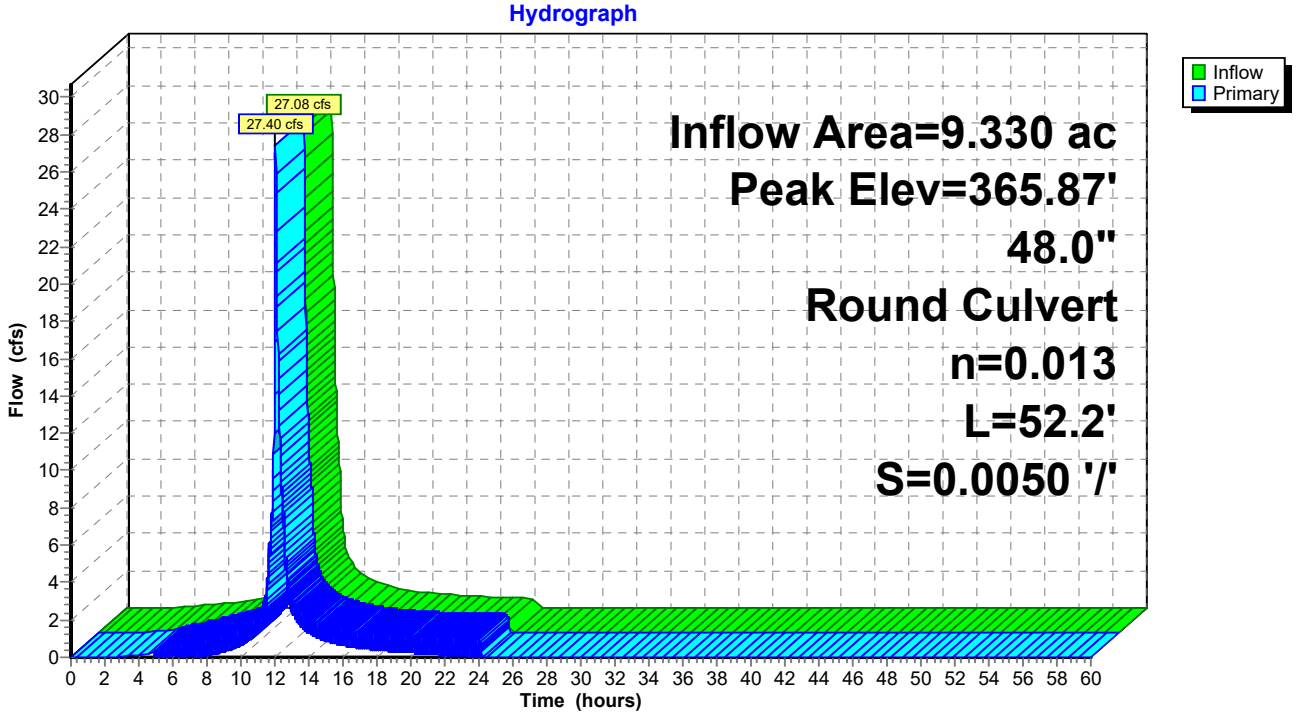
Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.87' @ 12.05 hrs
Flood Elev= 369.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.31'	**48.0" Round Culvert** L= 52.2' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.31' / 362.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=26.38 cfs @ 12.05 hrs HW=365.87' TW=365.63' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 26.38 cfs @ 2.96 fps)

Pond 102P: CB43

Hydrograph



Summary for Pond 103P: CB44

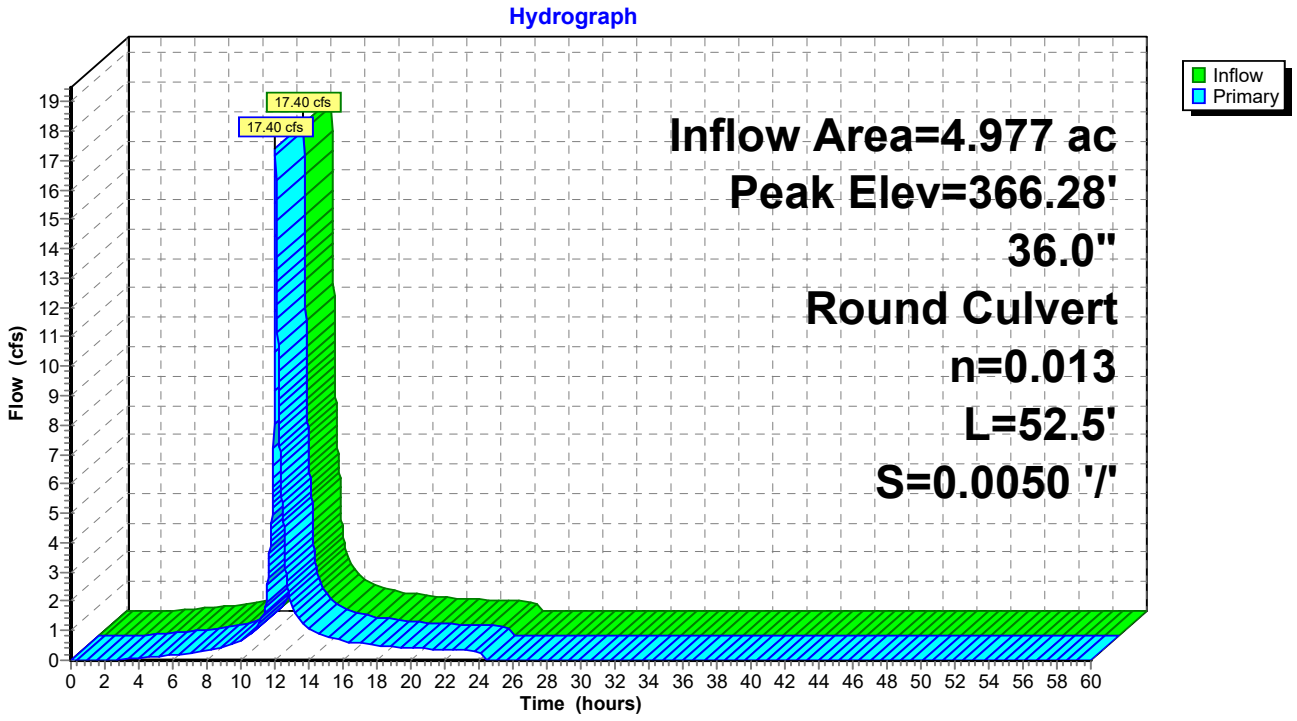
Inflow Area = 4.977 ac, 59.28% Impervious, Inflow Depth = 3.66" for 10-yr event
Inflow = 17.40 cfs @ 12.04 hrs, Volume= 1.519 af
Outflow = 17.40 cfs @ 12.04 hrs, Volume= 1.519 af, Atten= 0%, Lag= 0.0 min
Primary = 17.40 cfs @ 12.04 hrs, Volume= 1.519 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.28' @ 12.05 hrs
Flood Elev= 369.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	363.28'	**36.0" Round Culvert** L= 52.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 363.28' / 363.02' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=17.35 cfs @ 12.04 hrs HW=366.27' TW=365.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 17.35 cfs @ 2.46 fps)

Pond 103P: CB44



Summary for Pond 105P: DMH56

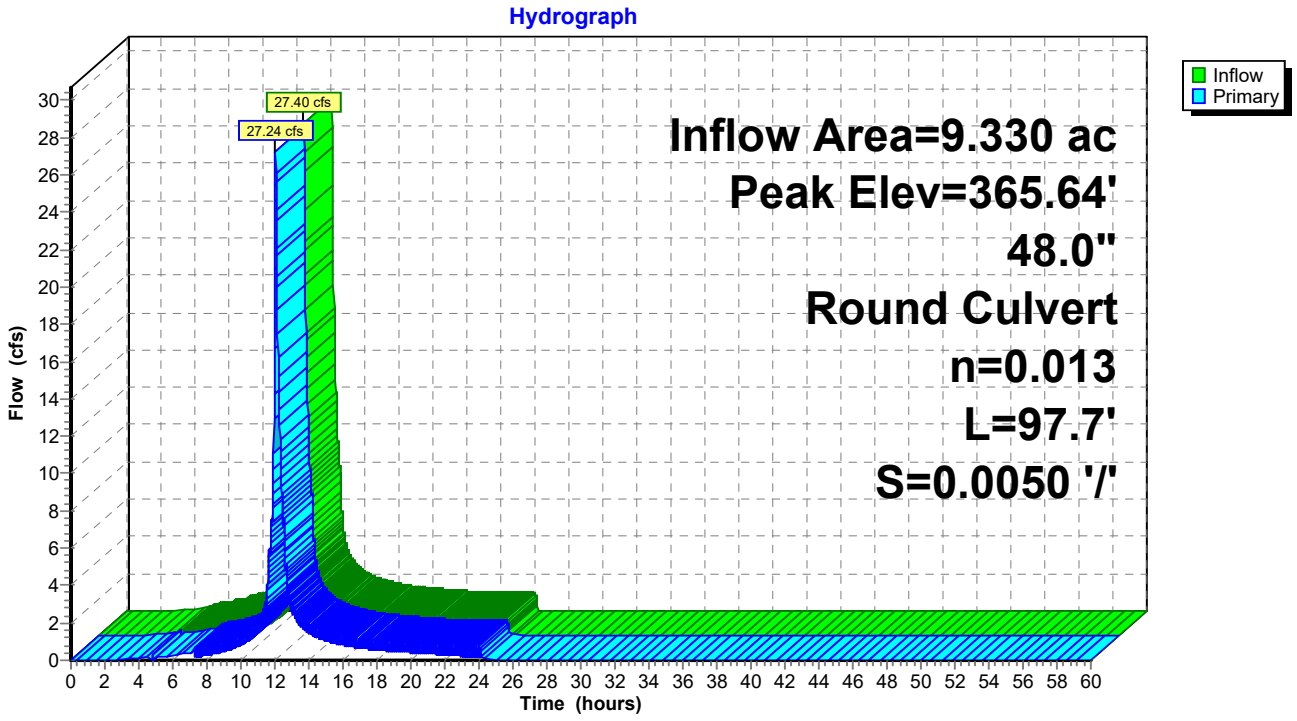
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 3.13" for 10-yr event
Inflow = 27.40 cfs @ 12.05 hrs, Volume= 2.430 af
Outflow = 27.24 cfs @ 12.05 hrs, Volume= 2.430 af, Atten= 1%, Lag= 0.0 min
Primary = 27.24 cfs @ 12.05 hrs, Volume= 2.430 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.64' @ 12.05 hrs
Flood Elev= 370.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.24'	**48.0" Round Culvert** L= 97.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.24' / 361.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=26.11 cfs @ 12.05 hrs HW=365.63' TW=365.34' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 26.11 cfs @ 3.10 fps)

Pond 105P: DMH56



Summary for Pond 106P: DMH57

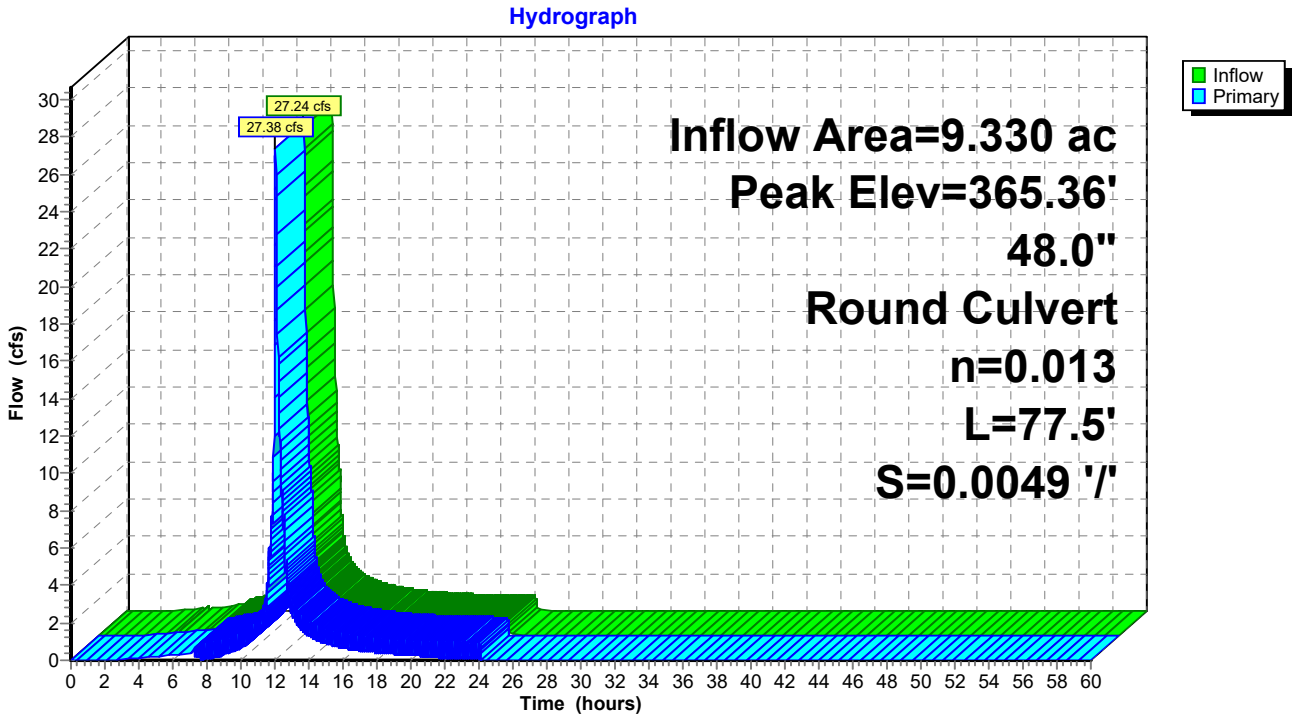
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 3.13" for 10-yr event
Inflow = 27.24 cfs @ 12.05 hrs, Volume= 2.430 af
Outflow = 27.38 cfs @ 12.05 hrs, Volume= 2.430 af, Atten= 0%, Lag= 0.0 min
Primary = 27.38 cfs @ 12.05 hrs, Volume= 2.430 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.36' @ 12.05 hrs
Flood Elev= 370.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.55'	**48.0" Round Culvert** L= 77.5' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.55' / 361.17' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=27.24 cfs @ 12.05 hrs HW=365.35' TW=365.12' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 27.24 cfs @ 2.85 fps)

Pond 106P: DMH57



Summary for Pond 107P: WQU58

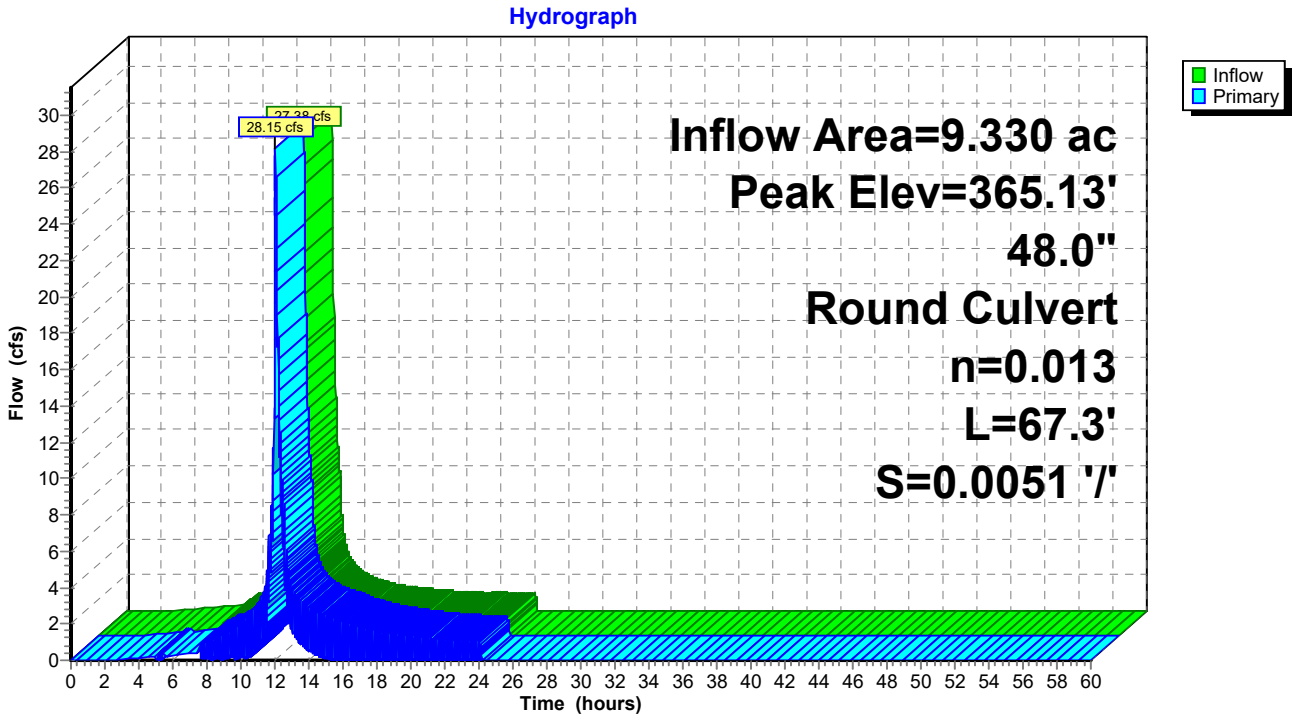
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 3.13" for 10-yr event
Inflow = 27.38 cfs @ 12.05 hrs, Volume= 2.430 af
Outflow = 28.15 cfs @ 12.05 hrs, Volume= 2.430 af, Atten= 0%, Lag= 0.1 min
Primary = 28.15 cfs @ 12.05 hrs, Volume= 2.430 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.13' @ 12.07 hrs
Flood Elev= 369.41'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.17'	**48.0" Round Culvert** L= 67.3' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.17' / 360.83' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=28.01 cfs @ 12.05 hrs HW=365.13' TW=364.91' (Dynamic Tailwater)
↳**1=Culvert** (Inlet Controls 28.01 cfs @ 2.23 fps)

Pond 107P: WQU58

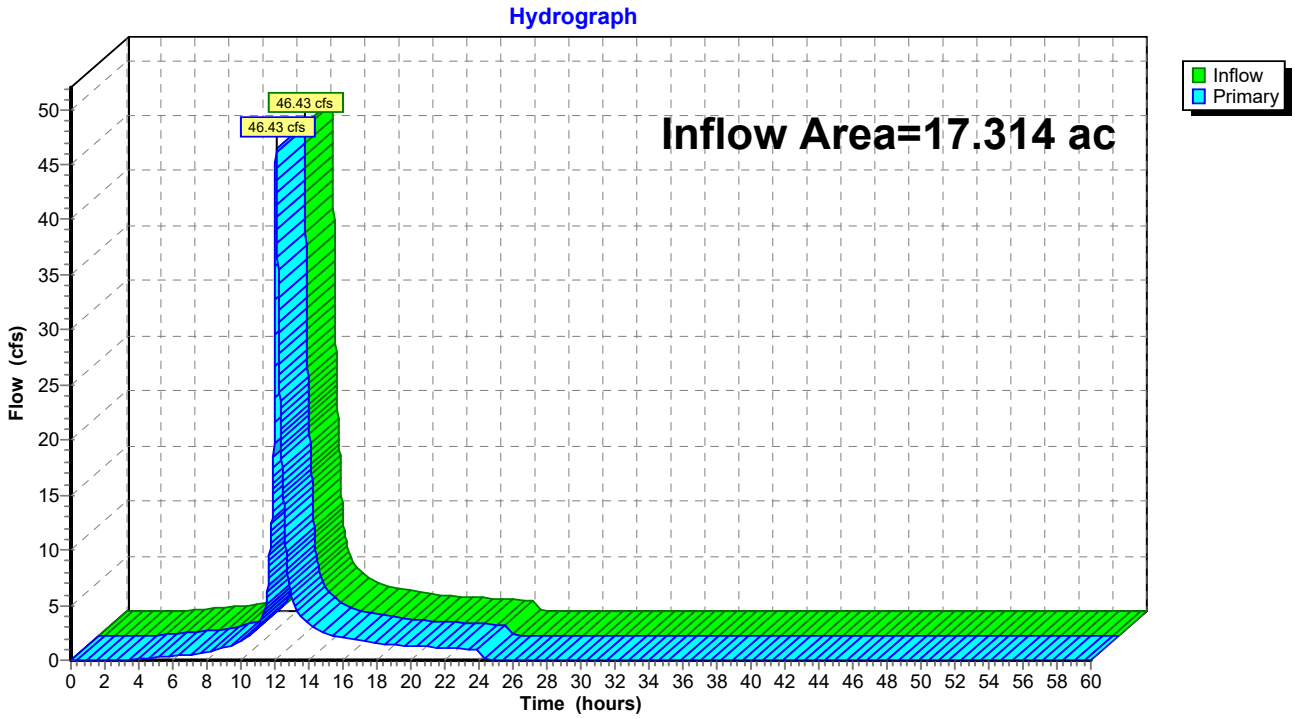


Summary for Link 9L: DP1

Inflow Area = 17.314 ac, 47.22% Impervious, Inflow Depth = 3.06" for 10-yr event
Inflow = 46.43 cfs @ 12.07 hrs, Volume= 4.417 af
Primary = 46.43 cfs @ 12.07 hrs, Volume= 4.417 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs

Link 9L: DP1



Time span=0.00-60.00 hrs, dt=0.01 hrs, 6001 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: 1S Runoff Area=2,402 sf 100.00% Impervious Runoff Depth=6.04"
Tc=6.0 min CN=98 Runoff=0.33 cfs 0.028 af

Subcatchment2S: 2S Runoff Area=950 sf 100.00% Impervious Runoff Depth=6.04"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.011 af

Subcatchment3S: 3S Runoff Area=7,934 sf 79.47% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.05 cfs 0.083 af

Subcatchment4S: 4S Runoff Area=1,832 sf 100.00% Impervious Runoff Depth=6.04"
Tc=6.0 min CN=98 Runoff=0.25 cfs 0.021 af

Subcatchment5S: 5S Runoff Area=6,456 sf 14.93% Impervious Runoff Depth=3.83"
Tc=6.0 min CN=78 Runoff=0.64 cfs 0.047 af

Subcatchment6S: 6S Runoff Area=13,000 sf 69.32% Impervious Runoff Depth=5.23"
Tc=6.0 min CN=91 Runoff=1.68 cfs 0.130 af

Subcatchment7S: 7S Runoff Area=6,040 sf 79.57% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=0.80 cfs 0.063 af

Subcatchment8S: 8S Runoff Area=8,525 sf 81.20% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.13 cfs 0.089 af

Subcatchment9S: 9S Runoff Area=8,672 sf 67.26% Impervious Runoff Depth=5.12"
Tc=6.0 min CN=90 Runoff=1.10 cfs 0.085 af

Subcatchment10S: 10S Runoff Area=5,790 sf 74.92% Impervious Runoff Depth=5.34"
Tc=6.0 min CN=92 Runoff=0.76 cfs 0.059 af

Subcatchment11S: 11S Runoff Area=5,768 sf 76.75% Impervious Runoff Depth=5.34"
Tc=6.0 min CN=92 Runoff=0.75 cfs 0.059 af

Subcatchment12S: 12S Runoff Area=9,851 sf 79.43% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.30 cfs 0.103 af

Subcatchment13S: 13S Runoff Area=8,998 sf 80.37% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.19 cfs 0.094 af

Subcatchment14S: 14S Runoff Area=34,531 sf 28.83% Impervious Runoff Depth=3.72"
Flow Length=477' Tc=11.4 min UI Adjusted CN=77 Runoff=2.62 cfs 0.246 af

Subcatchment15S: 15S Runoff Area=3,642 sf 97.56% Impervious Runoff Depth=5.92"
Tc=6.0 min CN=97 Runoff=0.50 cfs 0.041 af

Subcatchment16S: 16S Runoff Area=7,332 sf 81.61% Impervious Runoff Depth=5.57"
Tc=6.0 min CN=94 Runoff=0.98 cfs 0.078 af

Subcatchment17S: 17S Runoff Area=1,125 sf 86.40% Impervious Runoff Depth=5.69"
Tc=6.0 min CN=95 Runoff=0.15 cfs 0.012 af

Subcatchment18S: 18S Runoff Area=4,934 sf 80.26% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=0.65 cfs 0.052 af

Subcatchment19S: 19S Runoff Area=15,000 sf 80.72% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.98 cfs 0.157 af

Subcatchment20S: 20S Runoff Area=12,423 sf 61.49% Impervious Runoff Depth=5.01"
Tc=6.0 min CN=89 Runoff=1.55 cfs 0.119 af

Subcatchment21S: 21S Runoff Area=47,588 sf 40.96% Impervious Runoff Depth=4.46"
Flow Length=532' Tc=15.3 min CN=84 Runoff=3.80 cfs 0.406 af

Subcatchment22S: 22S Runoff Area=6,979 sf 84.42% Impervious Runoff Depth=5.57"
Tc=6.0 min CN=94 Runoff=0.93 cfs 0.074 af

Subcatchment23S: 23S Runoff Area=6,339 sf 78.42% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=0.84 cfs 0.066 af

Subcatchment24S: 24S Runoff Area=6,480 sf 78.29% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=0.86 cfs 0.068 af

Subcatchment25S: 25S Runoff Area=5,527 sf 78.18% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=0.73 cfs 0.058 af

Subcatchment26S: 26S Runoff Area=11,496 sf 71.13% Impervious Runoff Depth=5.23"
Tc=6.0 min CN=91 Runoff=1.48 cfs 0.115 af

Subcatchment27S: 27S Runoff Area=10,664 sf 79.74% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.41 cfs 0.111 af

Subcatchment28S: 28S Runoff Area=7,932 sf 75.84% Impervious Runoff Depth=5.34"
Tc=6.0 min CN=92 Runoff=1.04 cfs 0.081 af

Subcatchment29S: 29S Runoff Area=1,994 sf 86.01% Impervious Runoff Depth=5.69"
Tc=6.0 min CN=95 Runoff=0.27 cfs 0.022 af

Subcatchment30S: 30S Runoff Area=8,277 sf 80.34% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.09 cfs 0.086 af

Subcatchment31S: 31S Runoff Area=1,994 sf 89.62% Impervious Runoff Depth=5.81"
Tc=6.0 min CN=96 Runoff=0.27 cfs 0.022 af

Subcatchment32S: 32S Runoff Area=10,403 sf 78.57% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.37 cfs 0.109 af

Subcatchment35S: DA-33 Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=6.04"
Tc=0.0 min CN=98 Runoff=0.69 cfs 0.051 af

Subcatchment36S: 36S Runoff Area=50,955 sf 40.77% Impervious Runoff Depth=4.46"
Flow Length=482' Tc=16.9 min CN=84 Runoff=3.88 cfs 0.435 af

Subcatchment37S: 37S Runoff Area=8,850 sf 79.86% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.17 cfs 0.092 af

Subcatchment38S: 38S Runoff Area=2,178 sf 89.99% Impervious Runoff Depth=5.81"
Tc=6.0 min CN=96 Runoff=0.30 cfs 0.024 af

Subcatchment39S: 39S Runoff Area=11,479 sf 71.29% Impervious Runoff Depth=5.23"
Tc=6.0 min CN=91 Runoff=1.48 cfs 0.115 af

Subcatchment40S: 40S Runoff Area=7,985 sf 85.26% Impervious Runoff Depth=5.57"
Tc=6.0 min CN=94 Runoff=1.07 cfs 0.085 af

Subcatchment41S: 41S Runoff Area=7,826 sf 77.29% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.03 cfs 0.082 af

Subcatchment42S: 42S Runoff Area=6,802 sf 76.35% Impervious Runoff Depth=5.34"
Tc=6.0 min CN=92 Runoff=0.89 cfs 0.070 af

Subcatchment43S: 43S Runoff Area=7,562 sf 84.44% Impervious Runoff Depth=5.57"
Tc=6.0 min CN=94 Runoff=1.01 cfs 0.081 af

Subcatchment44S: 44S Runoff Area=8,519 sf 78.50% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.13 cfs 0.089 af

Subcatchment45S: 45S Runoff Area=7,264 sf 68.08% Impervious Runoff Depth=5.12"
Tc=6.0 min CN=90 Runoff=0.92 cfs 0.071 af

Subcatchment46S: 46S Runoff Area=6,807 sf 76.79% Impervious Runoff Depth=5.34"
Tc=6.0 min CN=92 Runoff=0.89 cfs 0.070 af

Subcatchment47S: 47S Runoff Area=10,360 sf 79.63% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.37 cfs 0.108 af

Subcatchment48S: 48S Runoff Area=15,279 sf 76.31% Impervious Runoff Depth=5.34"
Tc=6.0 min CN=92 Runoff=1.99 cfs 0.156 af

Subcatchment51S: 51S Runoff Area=6,539 sf 70.65% Impervious Runoff Depth=5.23"
Tc=6.0 min CN=91 Runoff=0.84 cfs 0.065 af

Subcatchment52S: 52S Runoff Area=8,056 sf 80.70% Impervious Runoff Depth=5.46"
Tc=6.0 min CN=93 Runoff=1.06 cfs 0.084 af

SubcatchmentDA-3: DA-3 Runoff Area=63,072 sf 30.24% Impervious Runoff Depth=4.14"
Flow Length=838' Tc=13.9 min CN=81 Runoff=4.88 cfs 0.500 af

SubcatchmentDA-5: DA-5 Runoff Area=37,899 sf 37.79% Impervious Runoff Depth=4.35"
Flow Length=400' Tc=10.4 min CN=83 Runoff=3.47 cfs 0.316 af

Subcatchment DA-6: DA-6 Runoff Area=52,424 sf 38.71% Impervious Runoff Depth=4.35"
Tc=6.0 min CN=83 Runoff=5.85 cfs 0.436 af

Subcatchment DA-7: Conservation Area Runoff Area=139,093 sf 0.00% Impervious Runoff Depth=3.42"
Tc=6.0 min CN=74 Runoff=12.31 cfs 0.911 af

Reach 91R: Swale-North Avg. Flow Depth=0.28' Max Vel=4.76 fps Inflow=4.88 cfs 0.500 af
n=0.022 L=540.0' S=0.0463 '/' Capacity=72.68 cfs Outflow=4.80 cfs 0.500 af

Pond 6P: Pond Peak Elev=365.09' Storage=17,167 cf Inflow=47.95 cfs 4.249 af
Outflow=42.08 cfs 4.239 af

Pond 10P: WQU69 Peak Elev=368.28' Inflow=7.04 cfs 0.587 af
18.0" Round Culvert n=0.013 L=22.3' S=0.0278 '/' Outflow=7.04 cfs 0.587 af

Pond 52P: CB2 Peak Elev=403.26' Inflow=0.46 cfs 0.039 af
12.0" Round Culvert n=0.013 L=116.3' S=0.0800 '/' Outflow=0.46 cfs 0.039 af

Pond 53P: CB1 Peak Elev=403.37' Inflow=0.13 cfs 0.011 af
12.0" Round Culvert n=0.013 L=23.9' S=0.0100 '/' Outflow=0.13 cfs 0.011 af

Pond 54P: CB3 Peak Elev=394.34' Inflow=1.51 cfs 0.122 af
12.0" Round Culvert n=0.013 L=131.3' S=0.0459 '/' Outflow=1.51 cfs 0.122 af

Pond 55P: CB11 Peak Elev=392.60' Inflow=0.25 cfs 0.021 af
15.0" Round Culvert n=0.013 L=104.0' S=0.0300 '/' Outflow=0.25 cfs 0.021 af

Pond 56P: CB12 Peak Elev=390.75' Inflow=0.64 cfs 0.047 af
12.0" Round Culvert n=0.013 L=61.5' S=0.0125 '/' Outflow=0.64 cfs 0.047 af

Pond 57P: CB13 Peak Elev=390.10' Inflow=3.36 cfs 0.262 af
24.0" Round Culvert n=0.013 L=132.3' S=0.0410 '/' Outflow=3.36 cfs 0.262 af

Pond 58P: CB39 Peak Elev=370.26' Inflow=8.43 cfs 0.664 af
24.0" Round Culvert n=0.013 L=27.0' S=0.0100 '/' Outflow=8.43 cfs 0.664 af

Pond 59P: CB14 Peak Elev=390.44' Inflow=0.80 cfs 0.063 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.80 cfs 0.063 af

Pond 60P: CB16 Peak Elev=385.99' Inflow=1.13 cfs 0.089 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=1.13 cfs 0.089 af

Pond 61P: CB15 Peak Elev=385.85' Inflow=5.59 cfs 0.436 af
15.0" Round Culvert n=0.013 L=94.0' S=0.0411 '/' Outflow=5.59 cfs 0.436 af

Pond 62P: CB18 Peak Elev=381.61' Inflow=0.76 cfs 0.059 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.76 cfs 0.059 af

Pond 63P: CB17 Peak Elev=381.55' Inflow=7.10 cfs 0.554 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0410 '/' Outflow=7.10 cfs 0.554 af

Pond 64P: CB20 Peak Elev=377.86' Inflow=11.62 cfs 0.997 af
18.0" Round Culvert n=0.013 L=40.8' S=0.0299 '/' Outflow=11.62 cfs 0.997 af

Pond 65P: CB19 Peak Elev=378.61' Inflow=10.33 cfs 0.894 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=10.33 cfs 0.894 af

Pond 66P: CB21 Peak Elev=374.87' Inflow=12.12 cfs 1.038 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0313 '/' Outflow=12.12 cfs 1.038 af

Pond 67P: CB22 Peak Elev=373.79' Inflow=13.09 cfs 1.116 af
24.0" Round Culvert n=0.013 L=76.5' S=0.0550 '/' Outflow=13.09 cfs 1.116 af

Pond 68P: CB28 Peak Elev=371.23' Inflow=3.87 cfs 0.418 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0092 '/' Outflow=3.87 cfs 0.418 af

Pond 69P: CB26 Peak Elev=370.26' Inflow=16.37 cfs 1.586 af
24.0" Round Culvert n=0.013 L=72.2' S=0.0201 '/' Outflow=16.37 cfs 1.586 af

Pond 70P: CB29 Peak Elev=367.78' Inflow=19.86 cfs 1.862 af
36.0" Round Culvert n=0.013 L=325.0' S=0.0050 '/' Outflow=19.86 cfs 1.862 af

Pond 71P: CB30 Peak Elev=367.78' Inflow=1.55 cfs 0.119 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=1.55 cfs 0.119 af

Pond 72P: CB27 Peak Elev=372.78' Inflow=3.80 cfs 0.406 af
12.0" Round Culvert n=0.013 L=31.9' S=0.0100 '/' Outflow=3.80 cfs 0.406 af

Pond 73P: CB38 Peak Elev=370.86' Inflow=7.36 cfs 0.580 af
18.0" Round Culvert n=0.013 L=24.0' S=0.0087 '/' Outflow=7.36 cfs 0.580 af

Pond 74P: CB36 Peak Elev=372.80' Inflow=6.52 cfs 0.515 af
15.0" Round Culvert n=0.013 L=105.1' S=0.0320 '/' Outflow=6.52 cfs 0.515 af

Pond 75P: CB37 Peak Elev=372.87' Inflow=0.84 cfs 0.066 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.84 cfs 0.066 af

Pond 76P: CB34 Peak Elev=375.47' Inflow=4.75 cfs 0.374 af
15.0" Round Culvert n=0.013 L=102.4' S=0.0328 '/' Outflow=4.75 cfs 0.374 af

Pond 78P: WQU1 Peak Elev=370.26' Inflow=8.43 cfs 0.664 af
24.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=8.43 cfs 0.664 af

Pond 79P: Underground Infiltration Peak Elev=370.26' Storage=10,480 cf Inflow=8.43 cfs 0.664 af
Discarded=0.62 cfs 0.660 af Primary=0.06 cfs 0.004 af Outflow=0.68 cfs 0.664 af

Pond 80P: CB35 Peak Elev=375.54' Inflow=0.73 cfs 0.058 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.73 cfs 0.058 af

Pond 81P: CB32 Peak Elev=379.03' Inflow=3.16 cfs 0.249 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=3.16 cfs 0.249 af

Pond 82P: CB33 Peak Elev=379.13' Inflow=1.41 cfs 0.111 af
15.0" Round Culvert n=0.013 L=113.7' S=0.0717 '/' Outflow=1.41 cfs 0.111 af

Pond 84P: CB42 Peak Elev=368.21' Inflow=3.88 cfs 0.435 af
18.0" Round Culvert n=0.013 L=98.0' S=0.0039 '/' Outflow=3.88 cfs 0.435 af

Pond 85P: CB5 Peak Elev=388.94' Inflow=2.81 cfs 0.224 af
12.0" Round Culvert n=0.013 L=144.9' S=0.0455 '/' Outflow=2.81 cfs 0.224 af

Pond 86P: CB4 Peak Elev=388.95' Inflow=0.27 cfs 0.022 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.27 cfs 0.022 af

Pond 87P: CB6 Peak Elev=383.16' Inflow=3.91 cfs 0.311 af
12.0" Round Culvert n=0.013 L=146.0' S=0.0455 '/' Outflow=3.91 cfs 0.311 af

Pond 88P: CB31 Peak Elev=381.50' Inflow=0.27 cfs 0.022 af
12.0" Round Culvert n=0.013 L=149.0' S=0.0255 '/' Outflow=0.27 cfs 0.022 af

Pond 89P: CB7 Peak Elev=378.05' Inflow=5.57 cfs 0.470 af
12.0" Round Culvert n=0.013 L=147.7' S=0.0455 '/' Outflow=5.57 cfs 0.470 af

Pond 90P: CB48 Peak Elev=371.30' Inflow=2.55 cfs 0.200 af
15.0" Round Culvert n=0.013 L=123.7' S=0.0100 '/' Outflow=2.55 cfs 0.200 af

Pond 92P: CB8 Peak Elev=371.05' Inflow=6.74 cfs 0.563 af
15.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=6.74 cfs 0.563 af

Pond 93P: CB9 Peak Elev=368.96' Inflow=7.04 cfs 0.587 af
18.0" Round Culvert n=0.013 L=35.7' S=0.0151 '/' Outflow=7.04 cfs 0.587 af

Pond 95P: CB49 Peak Elev=371.61' Inflow=1.07 cfs 0.085 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.07 cfs 0.085 af

Pond 96P: CB50 Peak Elev=370.10' Inflow=4.47 cfs 0.351 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0092 '/' Outflow=4.47 cfs 0.351 af

Pond 97P: CB51 Peak Elev=370.19' Inflow=0.89 cfs 0.070 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.89 cfs 0.070 af

Pond 98P: CB52 Peak Elev=369.26' Inflow=6.60 cfs 0.521 af
18.0" Round Culvert n=0.013 L=114.0' S=0.0085 '/' Outflow=6.60 cfs 0.521 af

Pond 99P: CB53 Peak Elev=369.40' Inflow=1.13 cfs 0.089 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.13 cfs 0.089 af

Pond 100P: CB54 Peak Elev=367.93' Inflow=9.81 cfs 1.027 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=9.81 cfs 1.027 af

Pond 101P: CB55 Peak Elev=367.50' Inflow=10.69 cfs 1.096 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0683 '/' Outflow=10.69 cfs 1.096 af

Pond 102P: CB43 Peak Elev=366.34' Inflow=33.89 cfs 3.226 af
48.0" Round Culvert n=0.013 L=52.2' S=0.0050 '/' Outflow=33.95 cfs 3.226 af

Pond 103P: CB44 Peak Elev=367.01' Inflow=21.84 cfs 2.018 af
36.0" Round Culvert n=0.013 L=52.5' S=0.0050 '/' Outflow=21.83 cfs 2.018 af

Pond 105P: DMH56 Peak Elev=366.04' Inflow=33.95 cfs 3.226 af
48.0" Round Culvert n=0.013 L=97.7' S=0.0050 '/' Outflow=34.04 cfs 3.226 af

Pond 106P: DMH57 Peak Elev=365.70' Inflow=34.04 cfs 3.226 af
48.0" Round Culvert n=0.013 L=77.5' S=0.0049 '/' Outflow=34.21 cfs 3.226 af

Pond 107P: WQU58 Peak Elev=365.40' Inflow=34.21 cfs 3.226 af
48.0" Round Culvert n=0.013 L=67.3' S=0.0051 '/' Outflow=35.08 cfs 3.226 af

Link 9L: DP1 Inflow=59.79 cfs 5.965 af
Primary=59.79 cfs 5.965 af

Summary for Subcatchment 1S: 1S

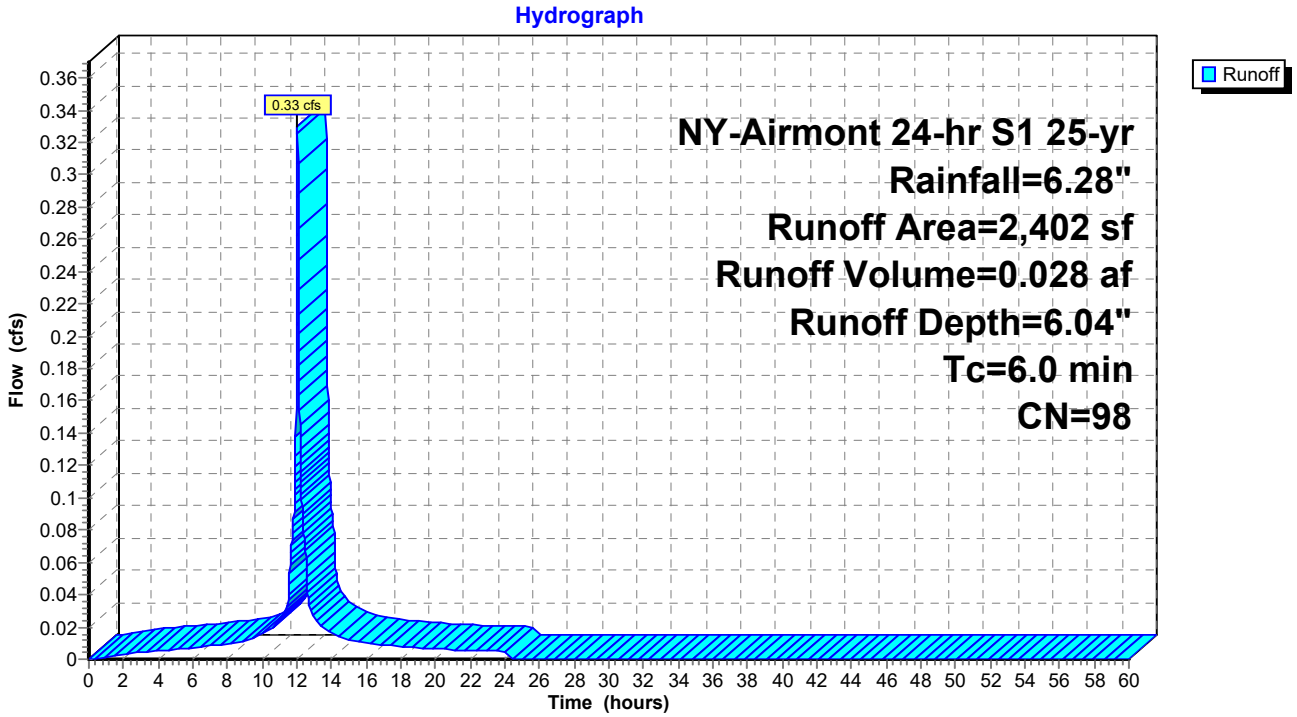
Runoff = 0.33 cfs @ 12.04 hrs, Volume= 0.028 af, Depth= 6.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
2,402	98	Paved parking, HSG C
2,402		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 1S: 1S



Summary for Subcatchment 2S: 2S

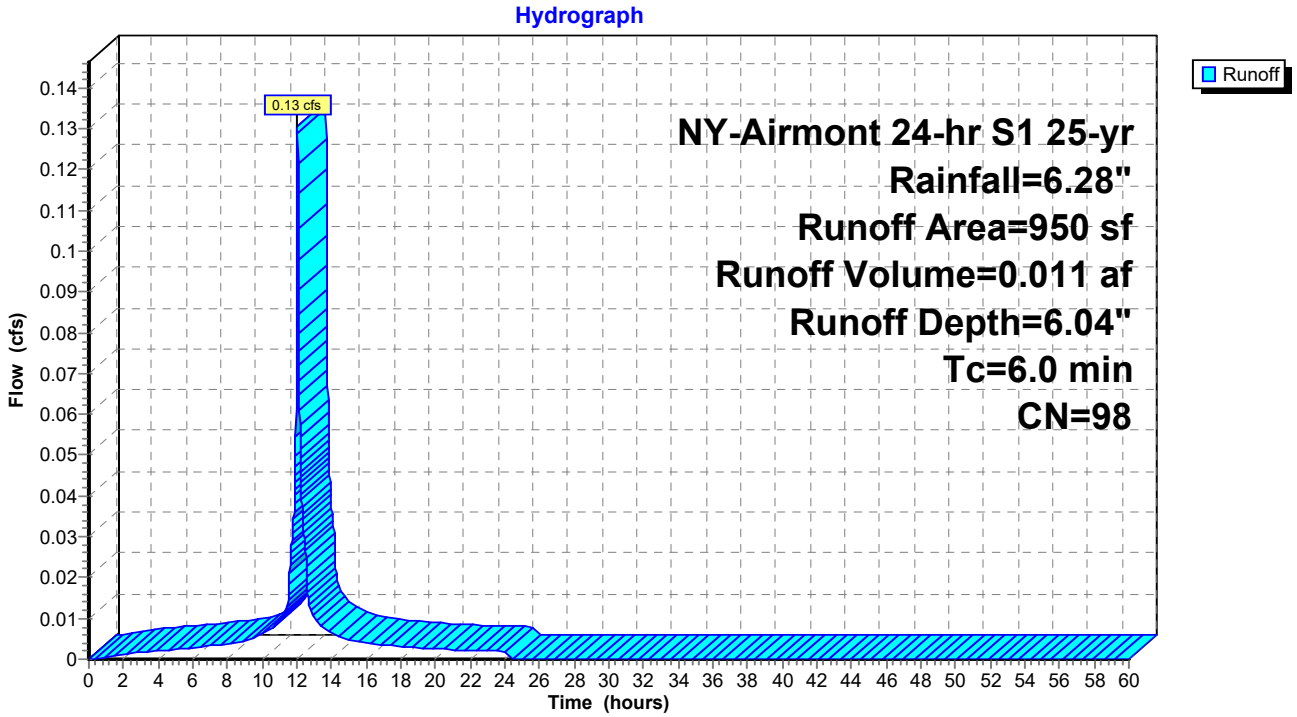
Runoff = 0.13 cfs @ 12.04 hrs, Volume= 0.011 af, Depth= 6.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
950	98	Paved parking, HSG C
950		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 2S: 2S



Summary for Subcatchment 3S: 3S

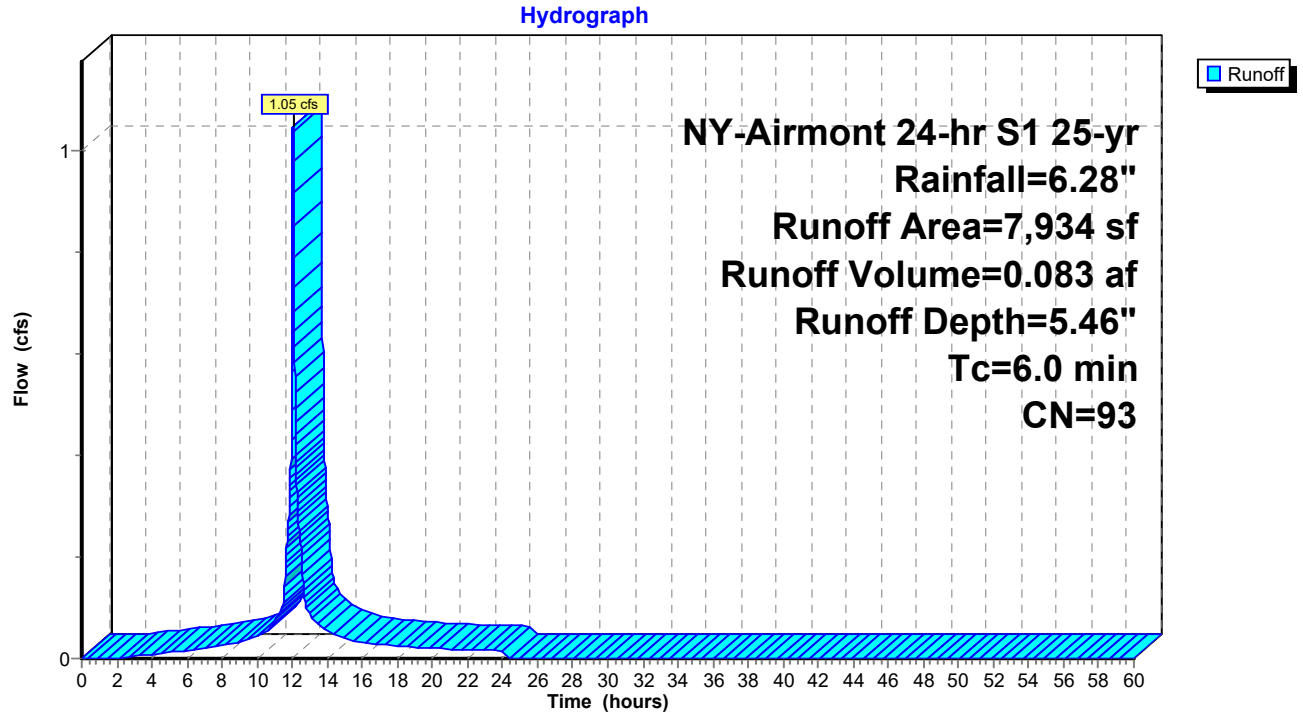
Runoff = 1.05 cfs @ 12.04 hrs, Volume= 0.083 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,629	74	>75% Grass cover, Good, HSG C
6,305	98	Paved parking, HSG C
7,934	93	Weighted Average
1,629		20.53% Pervious Area
6,305		79.47% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 3S: 3S



Summary for Subcatchment 4S: 4S

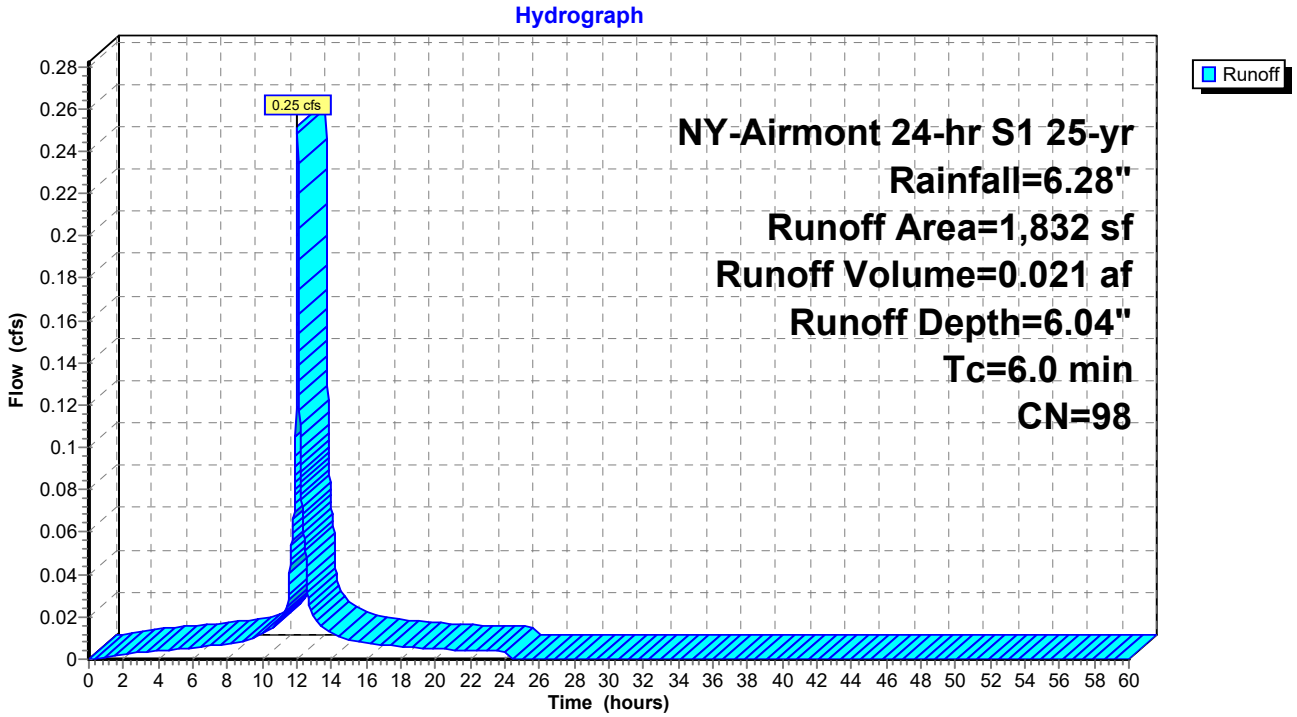
Runoff = 0.25 cfs @ 12.04 hrs, Volume= 0.021 af, Depth= 6.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,832	98	Paved parking, HSG C
1,832		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 4S: 4S



Summary for Subcatchment 5S: 5S

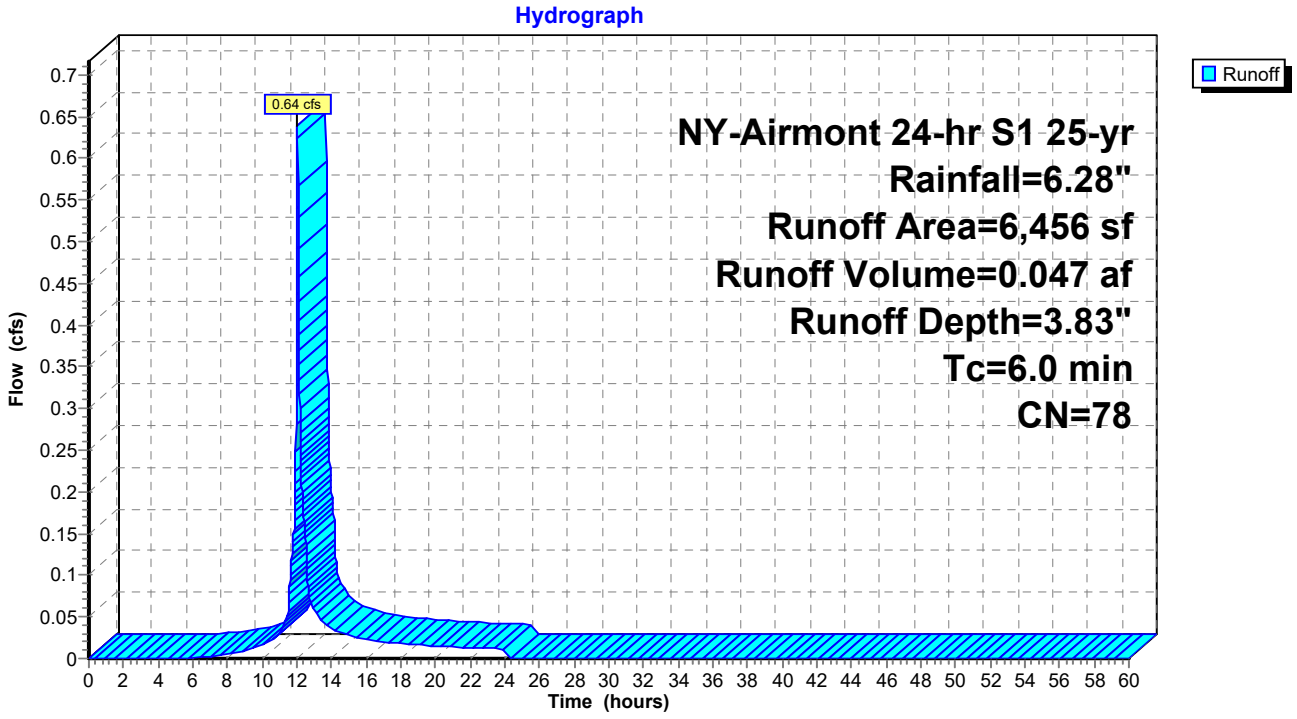
Runoff = 0.64 cfs @ 12.04 hrs, Volume= 0.047 af, Depth= 3.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
964	98	Paved parking, HSG C
5,492	74	>75% Grass cover, Good, HSG C
6,456	78	Weighted Average
5,492		85.07% Pervious Area
964		14.93% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 5S: 5S



Summary for Subcatchment 6S: 6S

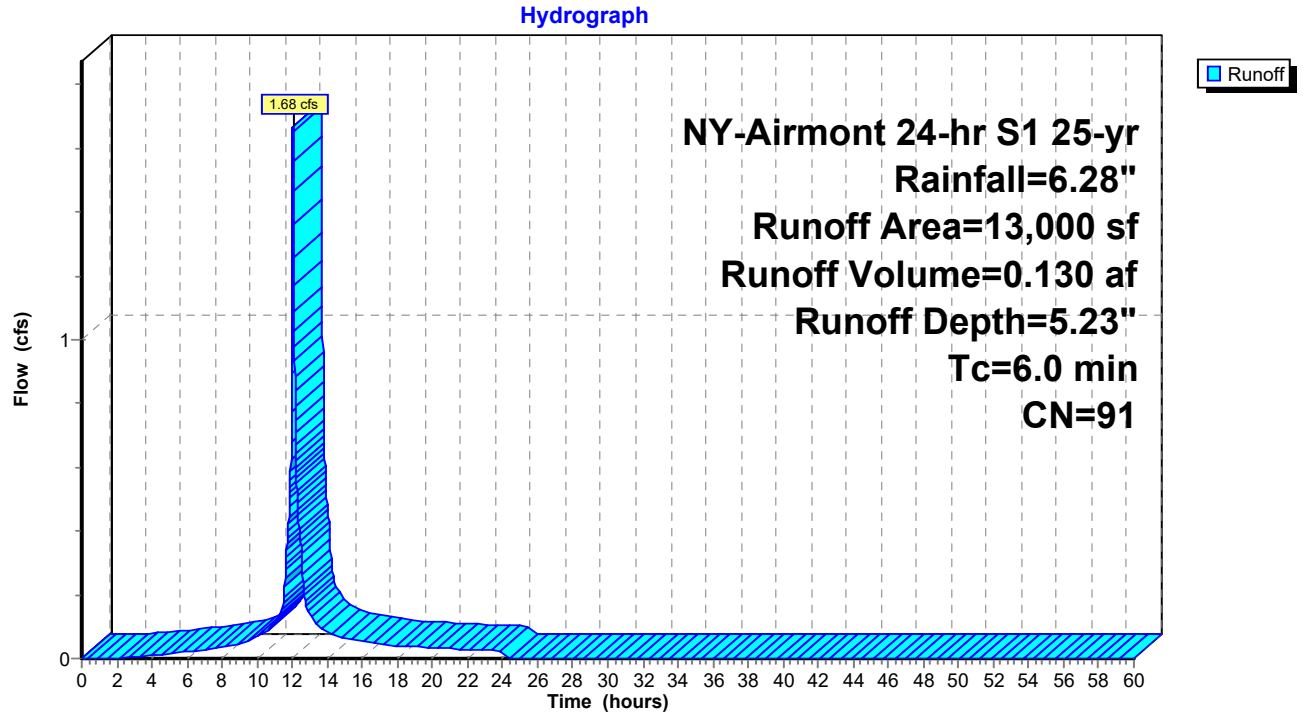
Runoff = 1.68 cfs @ 12.04 hrs, Volume= 0.130 af, Depth= 5.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
3,988	74	>75% Grass cover, Good, HSG C
9,012	98	Paved parking, HSG C
13,000	91	Weighted Average
3,988		30.68% Pervious Area
9,012		69.32% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 6S: 6S



Summary for Subcatchment 7S: 7S

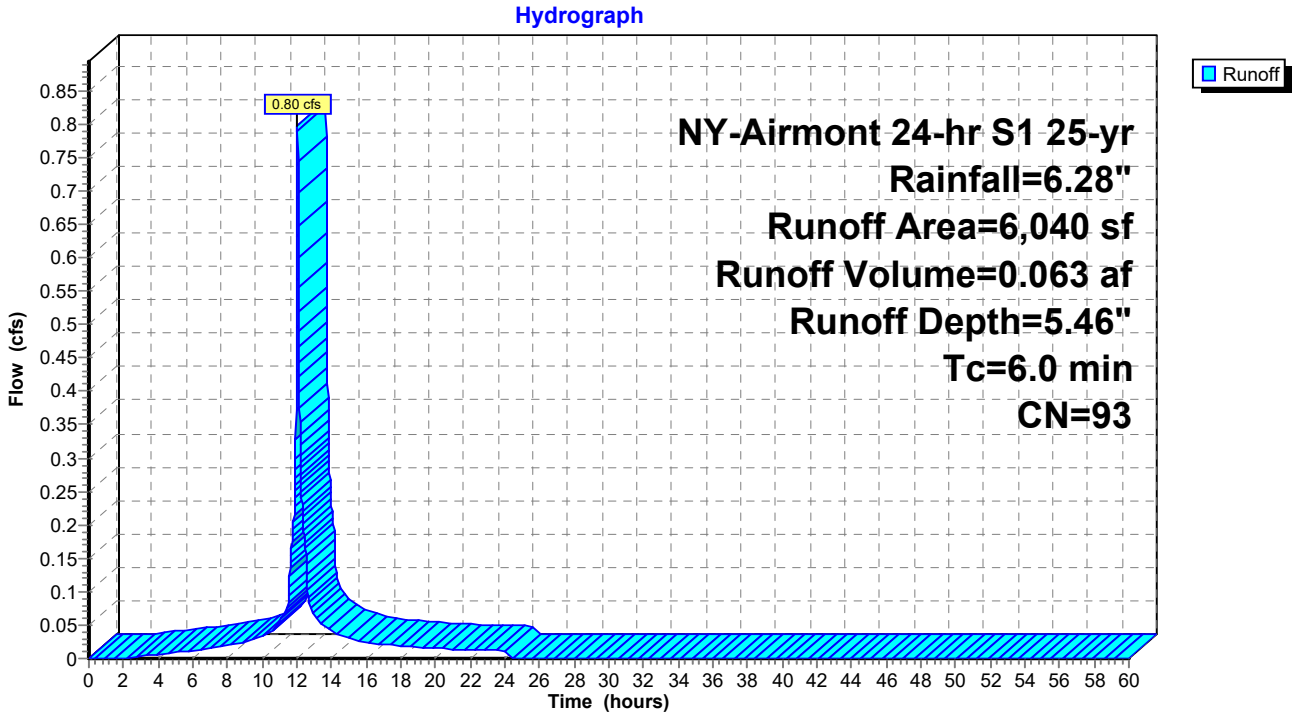
Runoff = 0.80 cfs @ 12.04 hrs, Volume= 0.063 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,234	74	>75% Grass cover, Good, HSG C
4,806	98	Paved parking, HSG C
6,040	93	Weighted Average
1,234		20.43% Pervious Area
4,806		79.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 7S: 7S



Summary for Subcatchment 8S: 8S

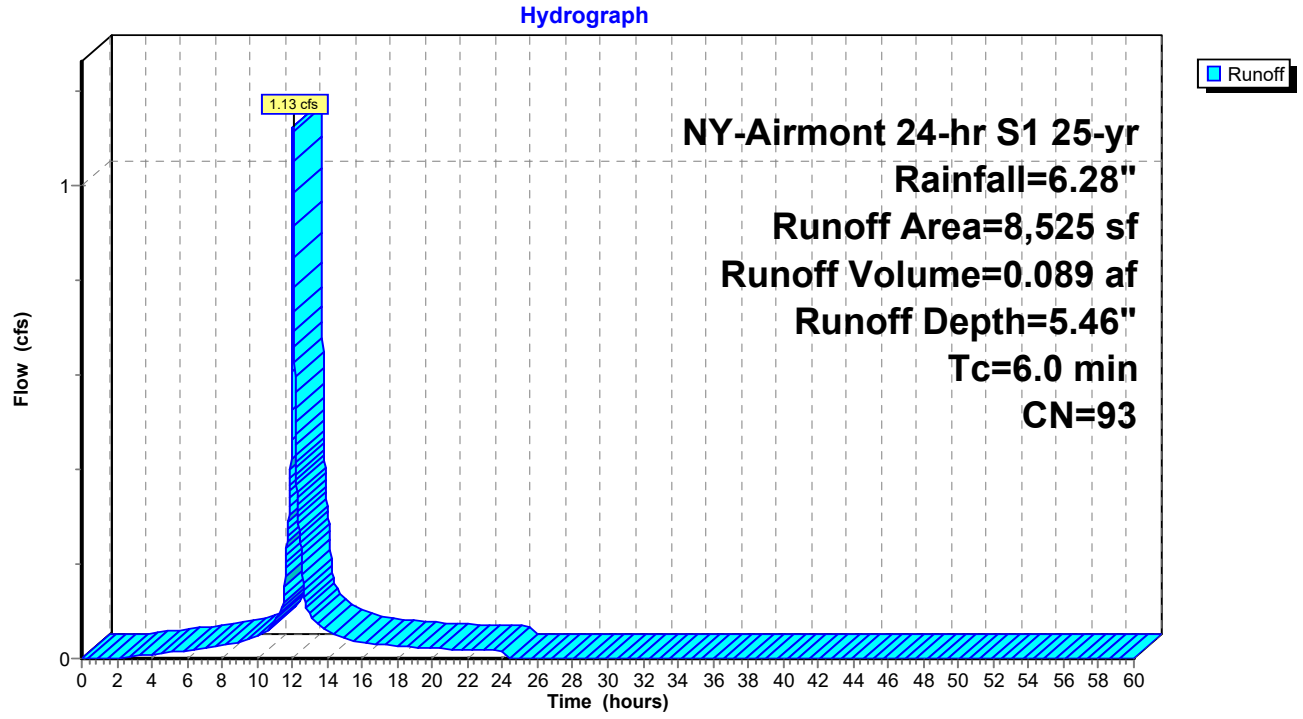
Runoff = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,603	74	>75% Grass cover, Good, HSG C
6,922	98	Paved parking, HSG C
8,525	93	Weighted Average
1,603		18.80% Pervious Area
6,922		81.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 8S: 8S



Summary for Subcatchment 9S: 9S

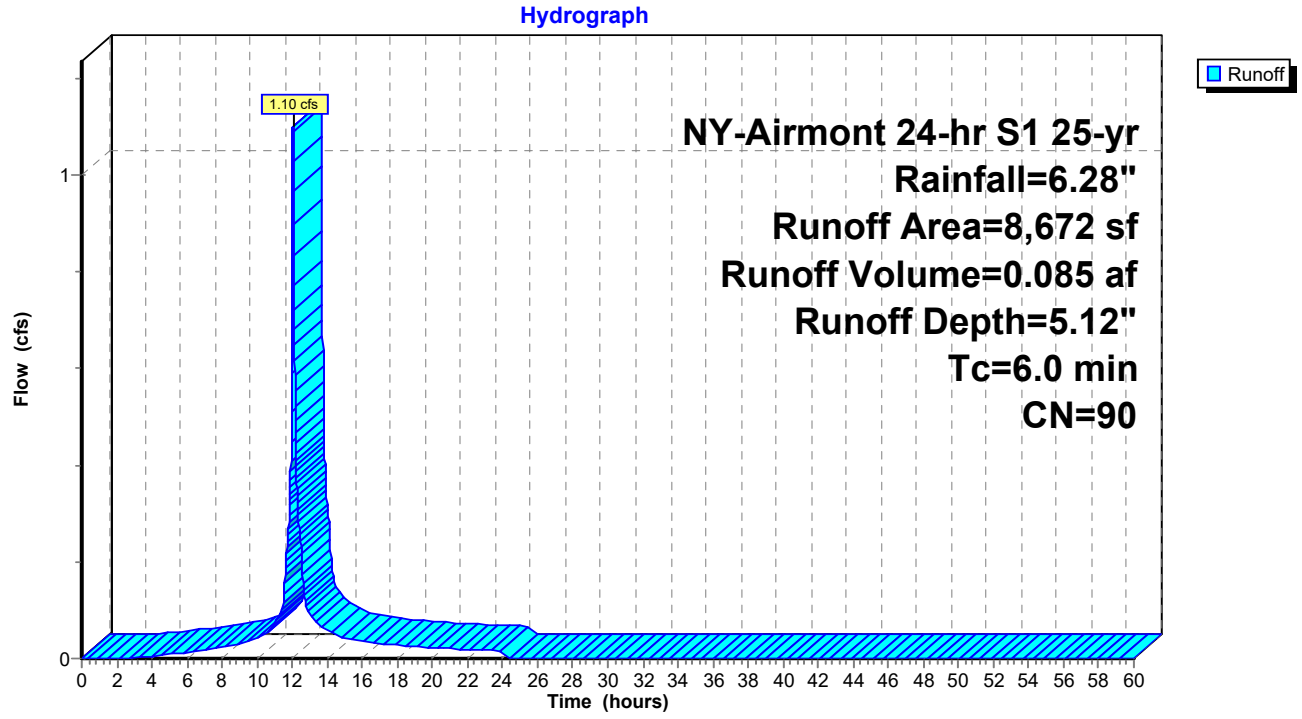
Runoff = 1.10 cfs @ 12.04 hrs, Volume= 0.085 af, Depth= 5.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
2,839	74	>75% Grass cover, Good, HSG C
5,833	98	Paved parking, HSG C
8,672	90	Weighted Average
2,839		32.74% Pervious Area
5,833		67.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 9S: 9S



Summary for Subcatchment 10S: 10S

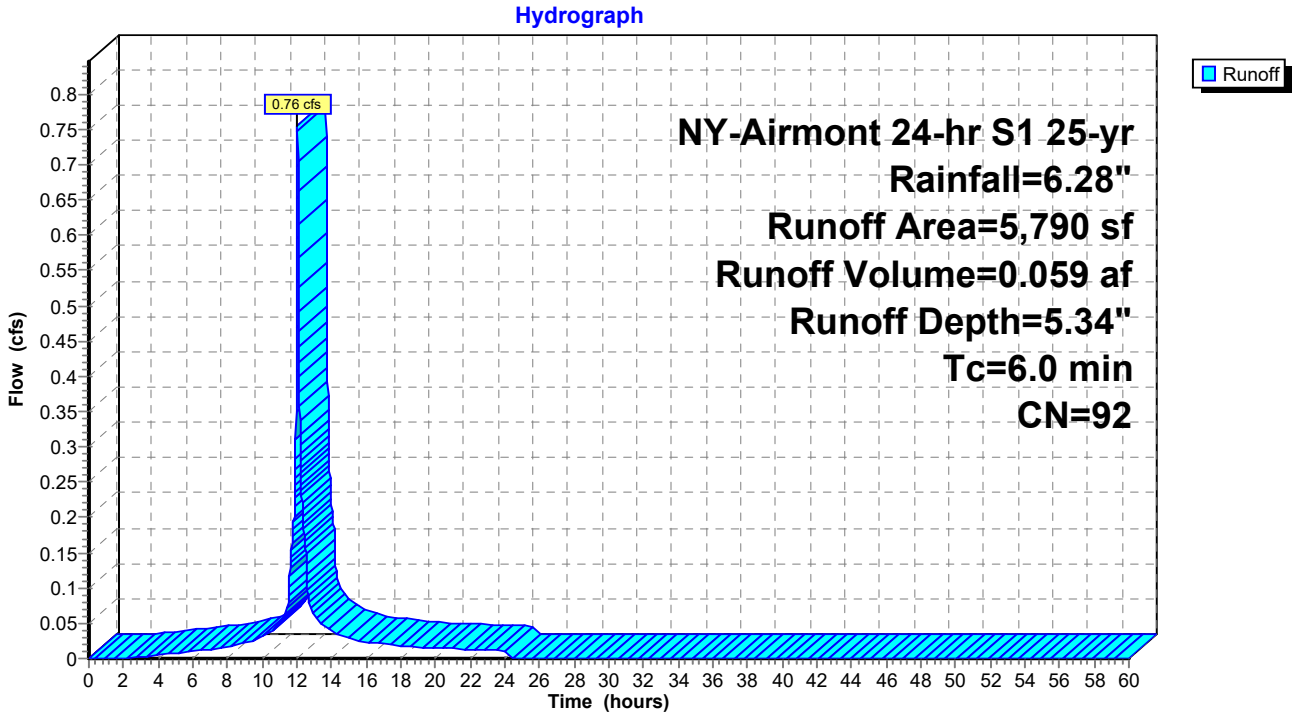
Runoff = 0.76 cfs @ 12.04 hrs, Volume= 0.059 af, Depth= 5.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,452	74	>75% Grass cover, Good, HSG C
4,338	98	Paved parking, HSG C
5,790	92	Weighted Average
1,452		25.08% Pervious Area
4,338		74.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 10S: 10S



Summary for Subcatchment 11S: 11S

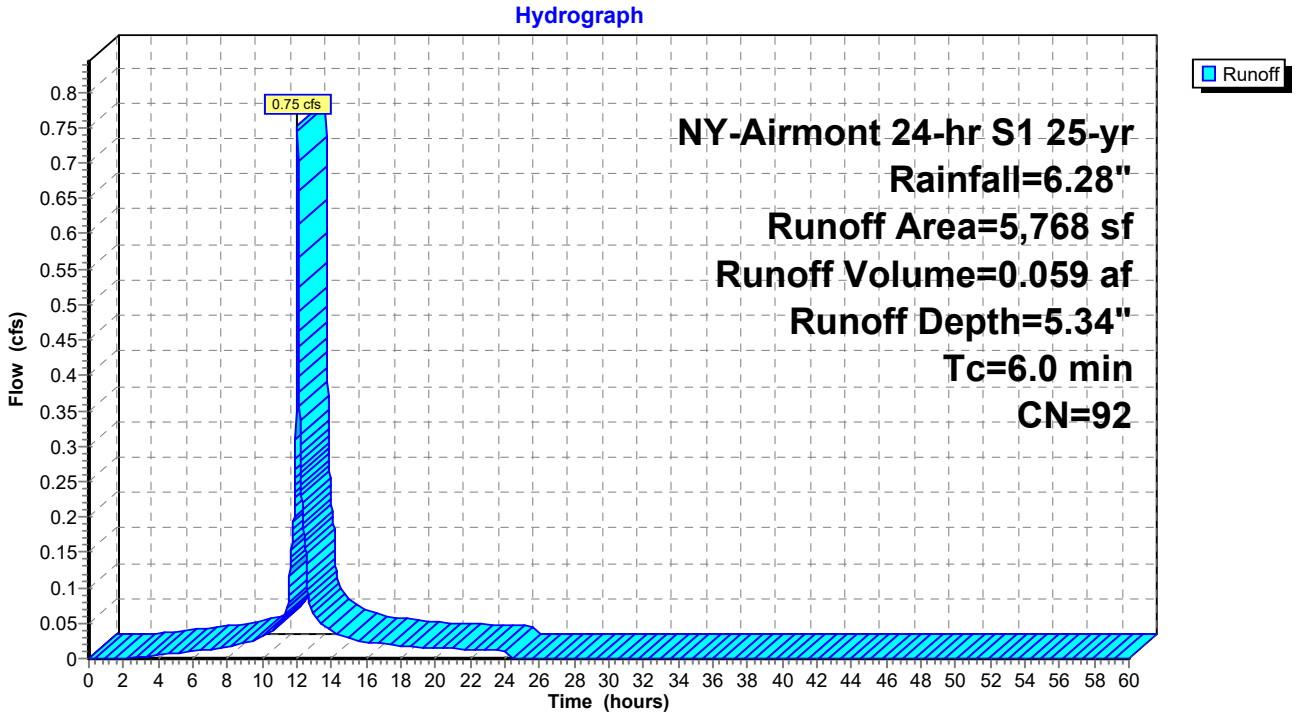
Runoff = 0.75 cfs @ 12.04 hrs, Volume= 0.059 af, Depth= 5.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,341	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
5,768	92	Weighted Average
1,341		23.25% Pervious Area
4,427		76.75% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 11S: 11S



Summary for Subcatchment 12S: 12S

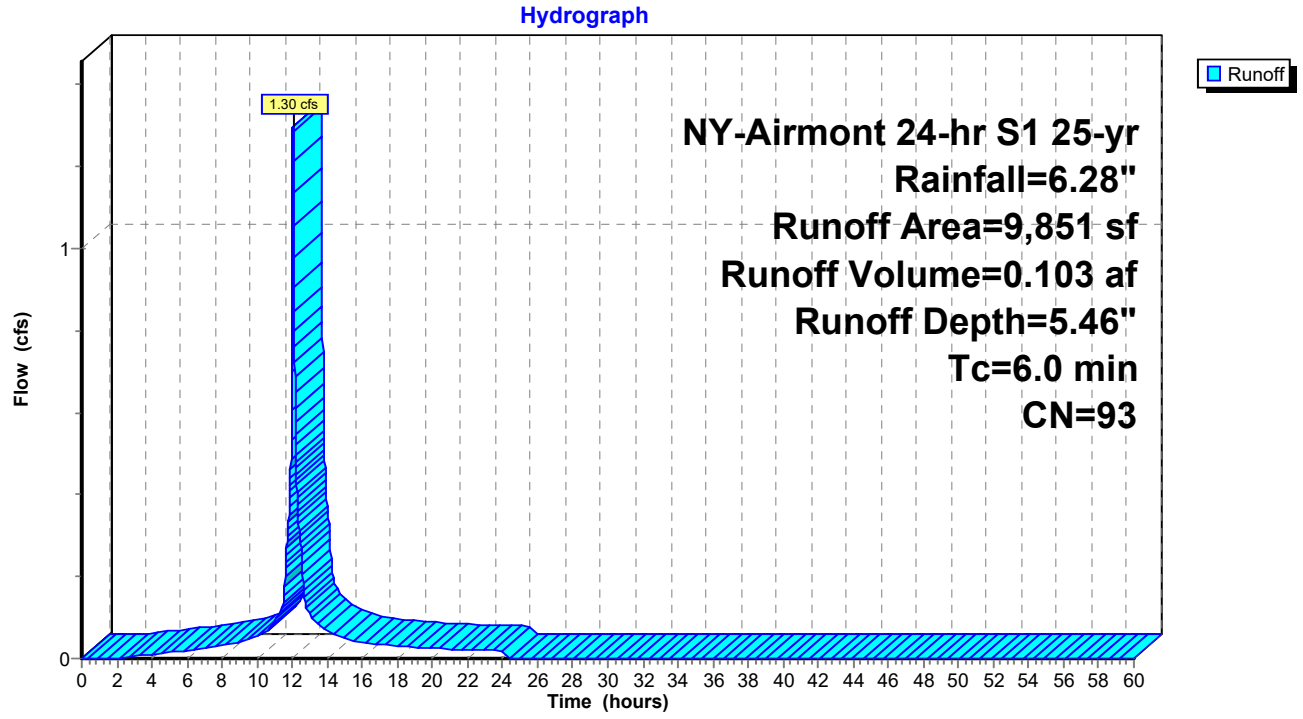
Runoff = 1.30 cfs @ 12.04 hrs, Volume= 0.103 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
2,026	74	>75% Grass cover, Good, HSG C
7,825	98	Paved parking, HSG C
9,851	93	Weighted Average
2,026		20.57% Pervious Area
7,825		79.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 12S: 12S



Summary for Subcatchment 13S: 13S

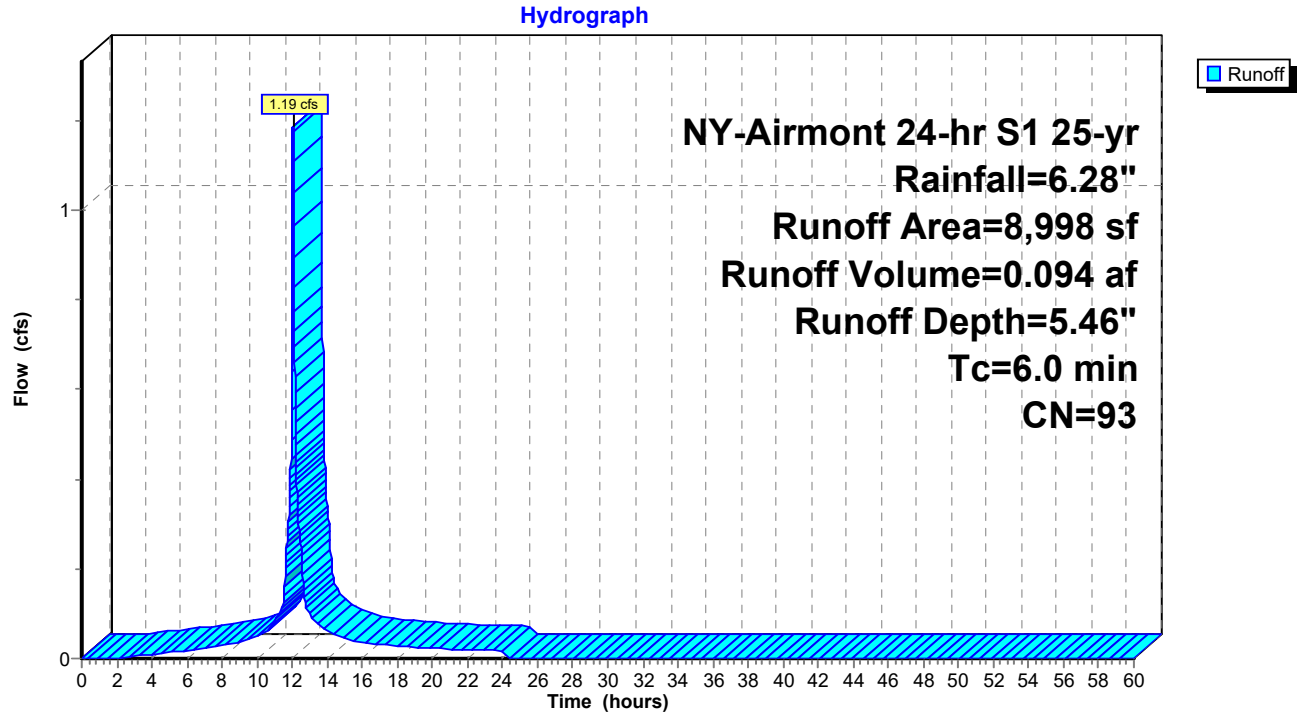
Runoff = 1.19 cfs @ 12.04 hrs, Volume= 0.094 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,766	74	>75% Grass cover, Good, HSG C
7,232	98	Paved parking, HSG C
8,998	93	Weighted Average
1,766		19.63% Pervious Area
7,232		80.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 13S: 13S



Summary for Subcatchment 14S: 14S

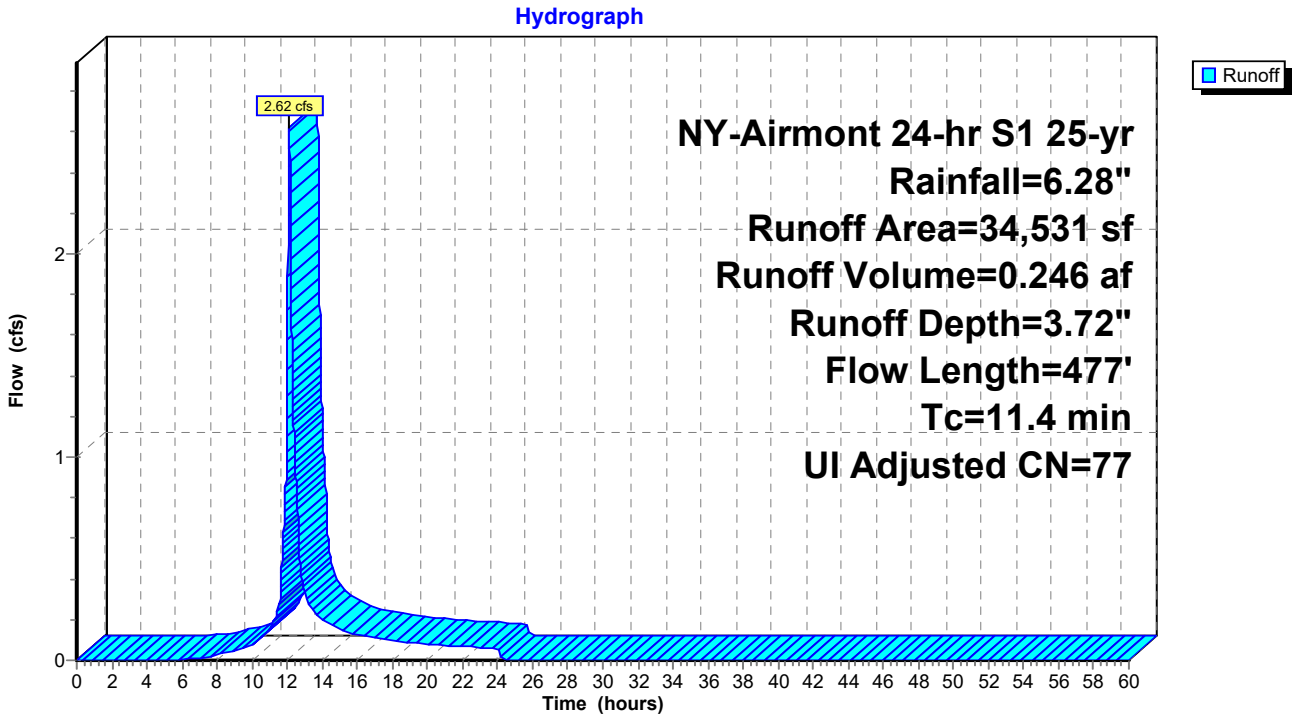
Runoff = 2.62 cfs @ 12.11 hrs, Volume= 0.246 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Adj	Description
9,957	98		Unconnected pavement, HSG C
24,574	74		>75% Grass cover, Good, HSG C
34,531	81	77	Weighted Average, UI Adjusted
24,574			71.17% Pervious Area
9,957			28.83% Impervious Area
9,957			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	100	0.0600	0.27		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.2	377	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
11.4	477	Total			

Subcatchment 14S: 14S



Summary for Subcatchment 15S: 15S

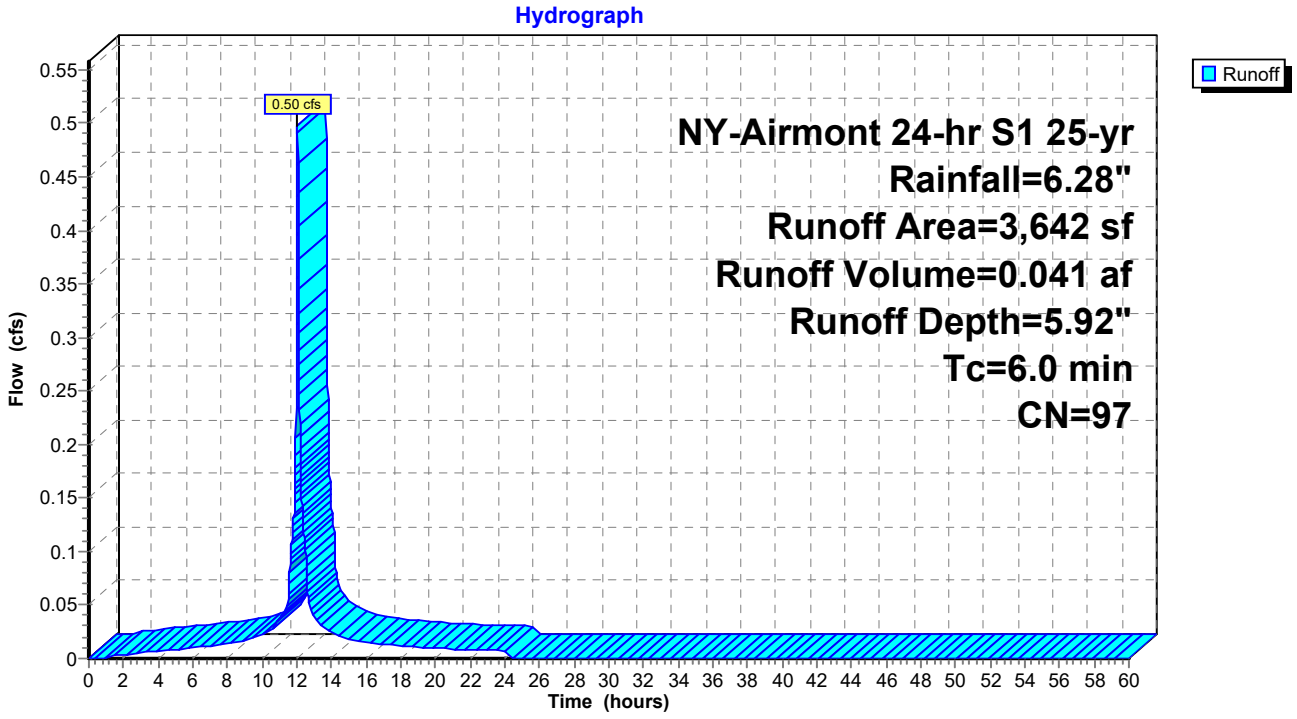
Runoff = 0.50 cfs @ 12.04 hrs, Volume= 0.041 af, Depth= 5.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
89	74	>75% Grass cover, Good, HSG C
3,553	98	Paved parking, HSG C
3,642	97	Weighted Average
89		2.44% Pervious Area
3,553		97.56% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 15S: 15S



Summary for Subcatchment 16S: 16S

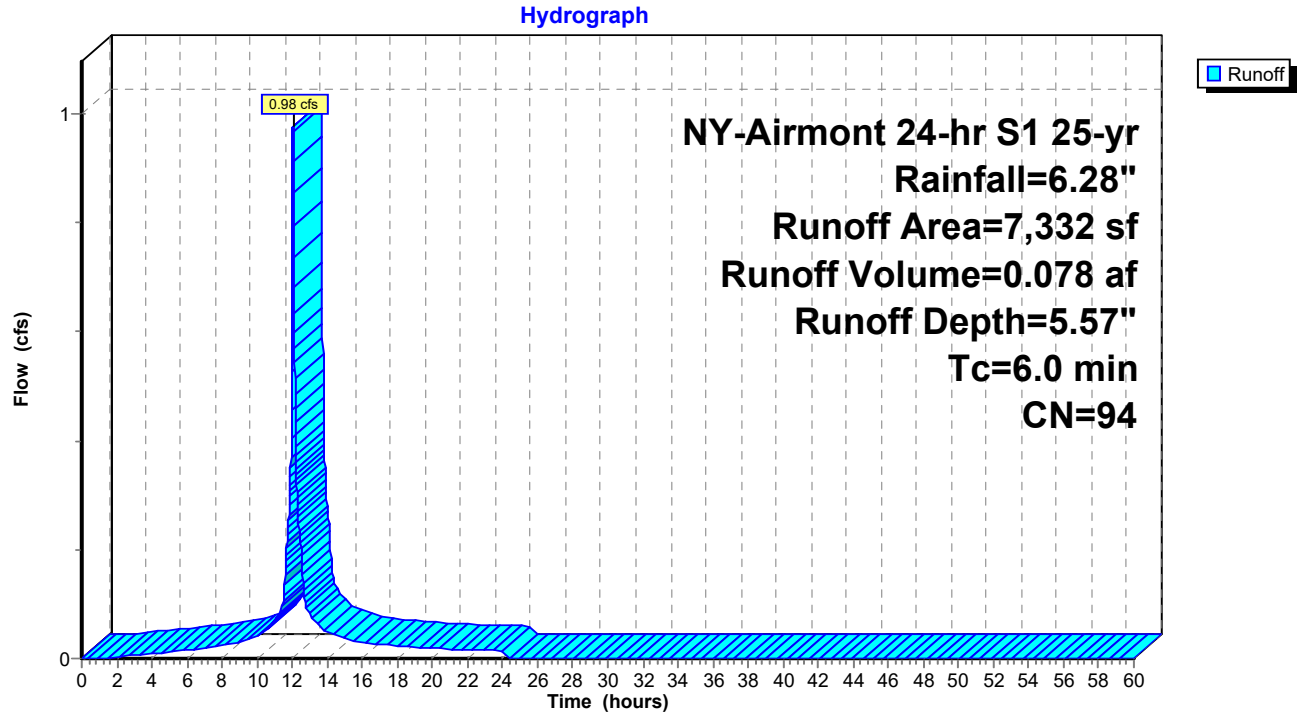
Runoff = 0.98 cfs @ 12.04 hrs, Volume= 0.078 af, Depth= 5.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,348	74	>75% Grass cover, Good, HSG C
5,984	98	Paved parking, HSG C
7,332	94	Weighted Average
1,348		18.39% Pervious Area
5,984		81.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 16S: 16S



Summary for Subcatchment 17S: 17S

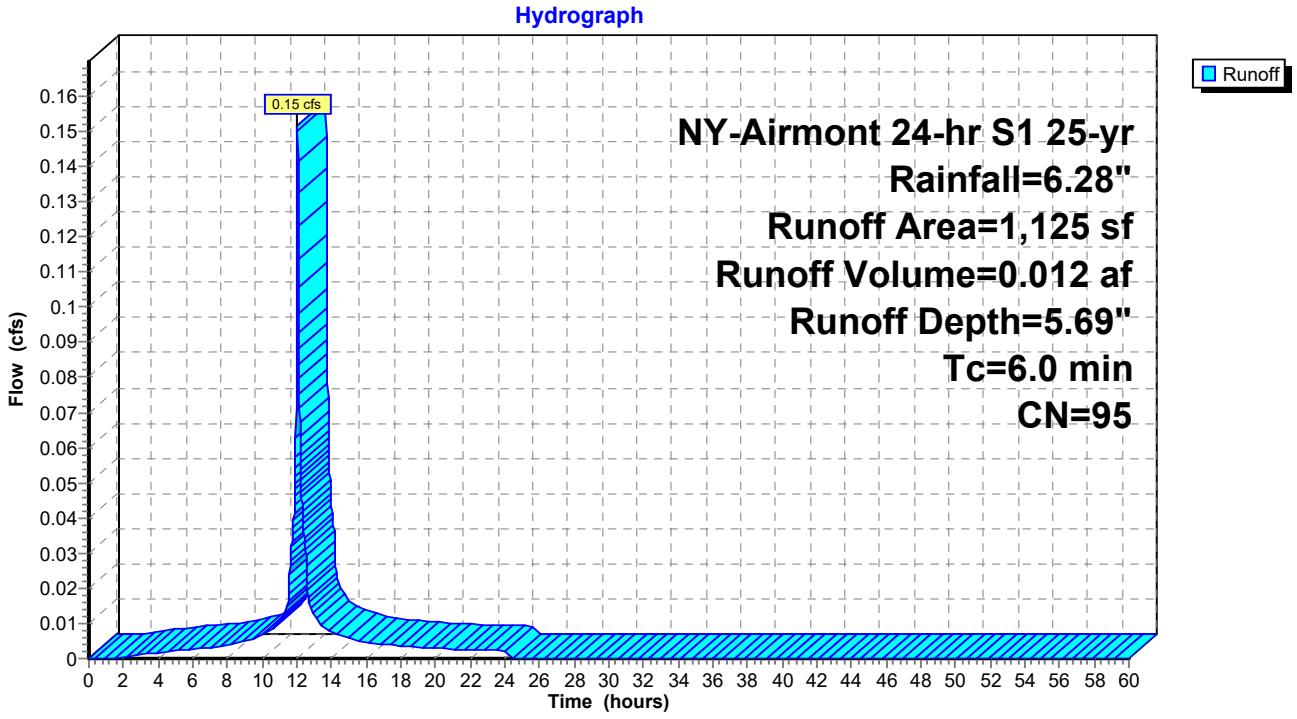
Runoff = 0.15 cfs @ 12.04 hrs, Volume= 0.012 af, Depth= 5.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
153	74	>75% Grass cover, Good, HSG C
972	98	Paved parking, HSG C
1,125	95	Weighted Average
153		13.60% Pervious Area
972		86.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 17S: 17S



Summary for Subcatchment 18S: 18S

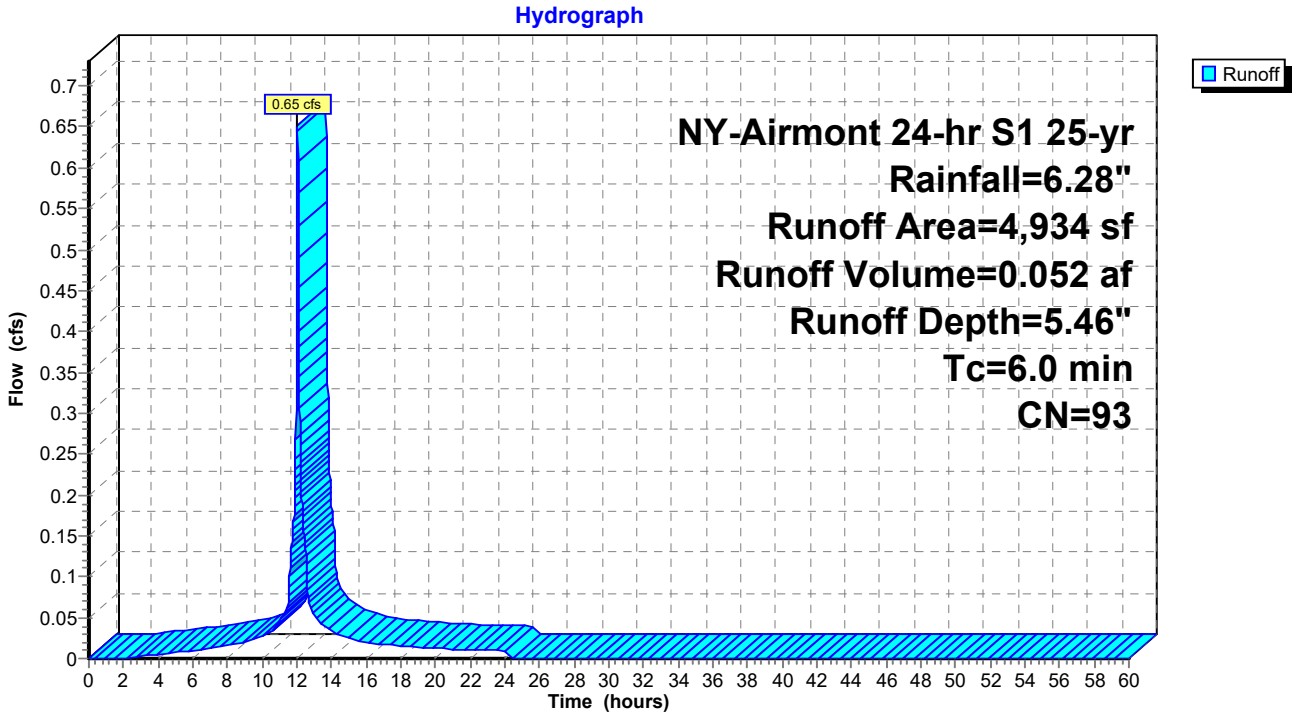
Runoff = 0.65 cfs @ 12.04 hrs, Volume= 0.052 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
974	74	>75% Grass cover, Good, HSG C
3,960	98	Paved parking, HSG C
4,934	93	Weighted Average
974		19.74% Pervious Area
3,960		80.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 18S: 18S



Summary for Subcatchment 19S: 19S

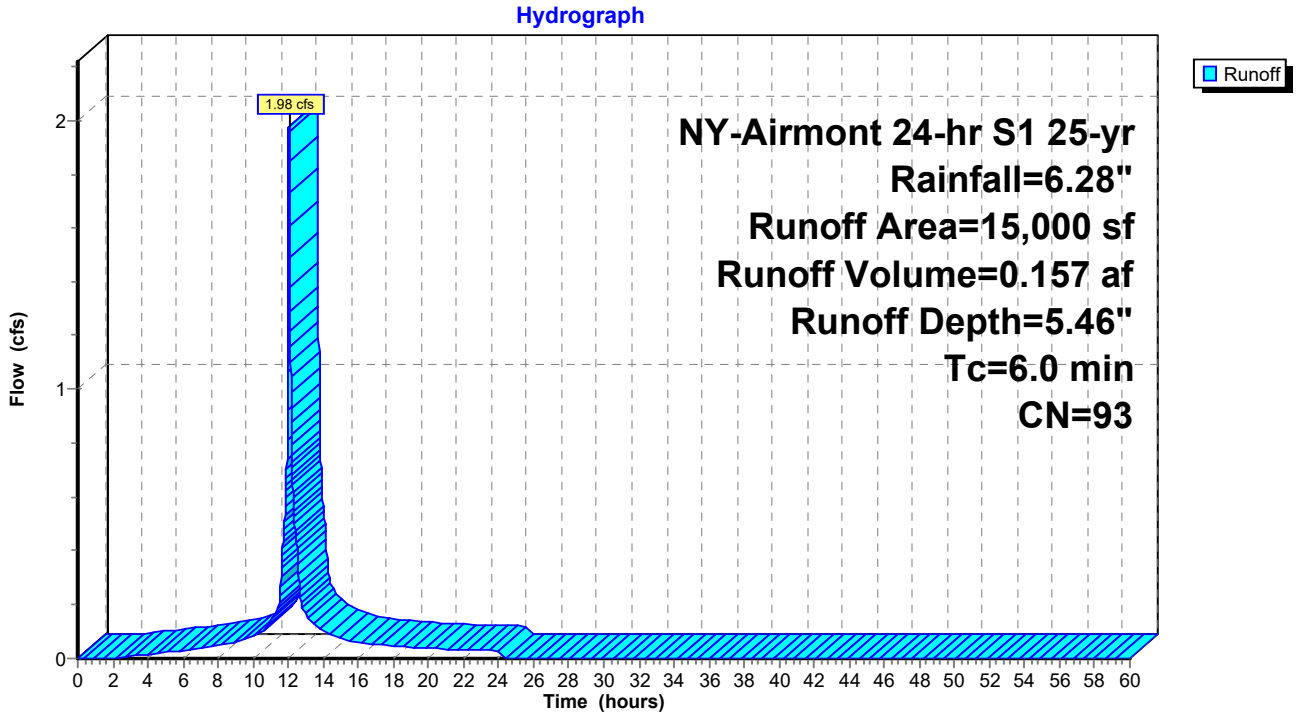
Runoff = 1.98 cfs @ 12.04 hrs, Volume= 0.157 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
2,892	74	>75% Grass cover, Good, HSG C
12,108	98	Paved parking, HSG C
15,000	93	Weighted Average
2,892		19.28% Pervious Area
12,108		80.72% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 19S: 19S



Summary for Subcatchment 20S: 20S

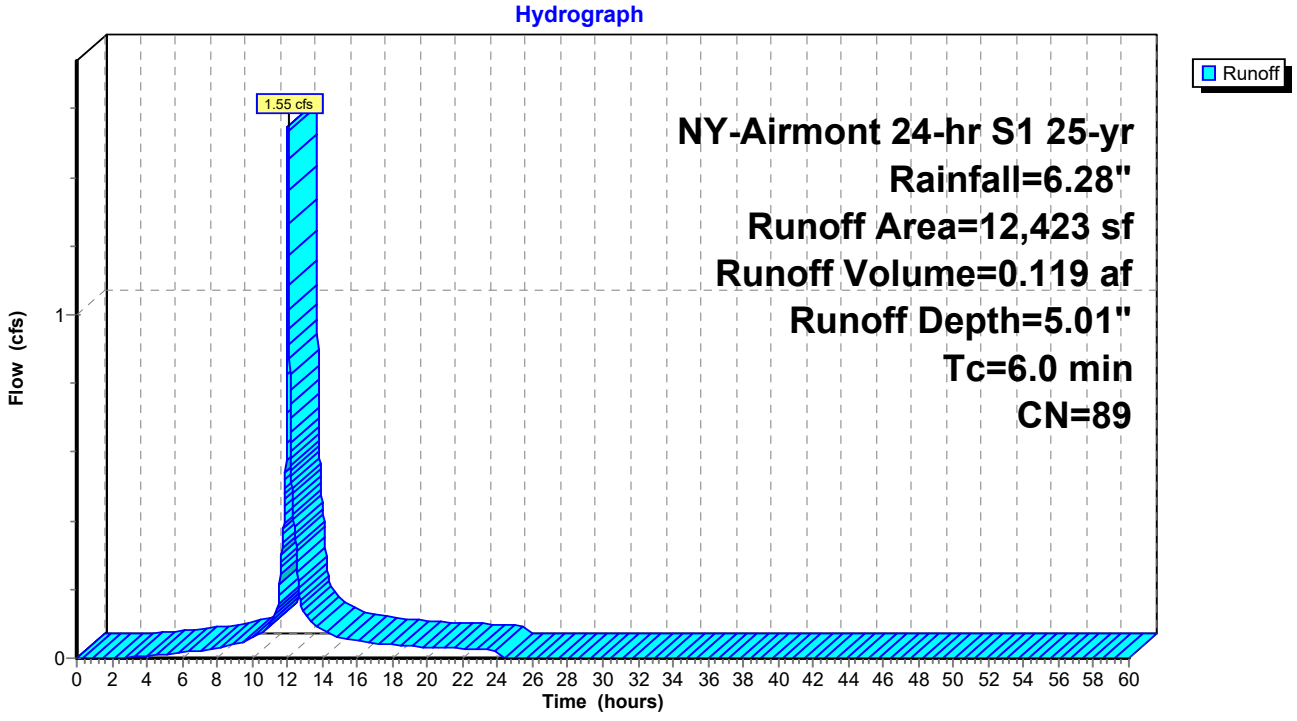
Runoff = 1.55 cfs @ 12.04 hrs, Volume= 0.119 af, Depth= 5.01"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
7,639	98	Unconnected pavement, HSG C
4,784	74	>75% Grass cover, Good, HSG C
12,423	89	Weighted Average
4,784		38.51% Pervious Area
7,639		61.49% Impervious Area
7,639		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 20S: 20S



Summary for Subcatchment 21S: 21S

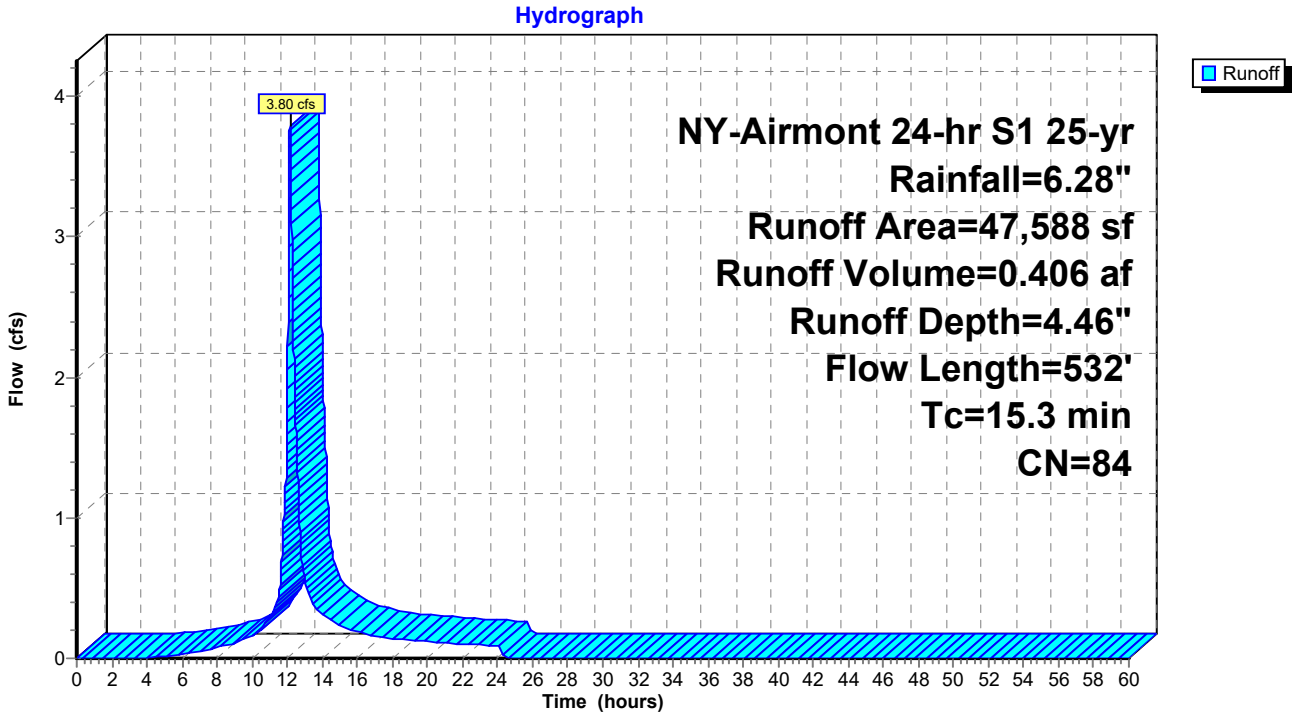
Runoff = 3.80 cfs @ 12.16 hrs, Volume= 0.406 af, Depth= 4.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
28,095	74	>75% Grass cover, Good, HSG C
19,493	98	Unconnected pavement, HSG C
47,588	84	Weighted Average
28,095		59.04% Pervious Area
19,493		40.96% Impervious Area
19,493		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0	59	0.0600	0.24		**Sheet Flow, SF1** Grass: Short n= 0.150 P2= 3.37"
2.7	41	0.0800	0.25		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
1.8	132	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
4.6	136	0.0050	0.49		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.2	20	0.1000	2.21		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
2.0	144	0.0300	1.21		**Shallow Concentrated Flow, SCF4** Short Grass Pasture Kv= 7.0 fps
15.3	532	Total			

Subcatchment 21S: 21S



Summary for Subcatchment 22S: 22S

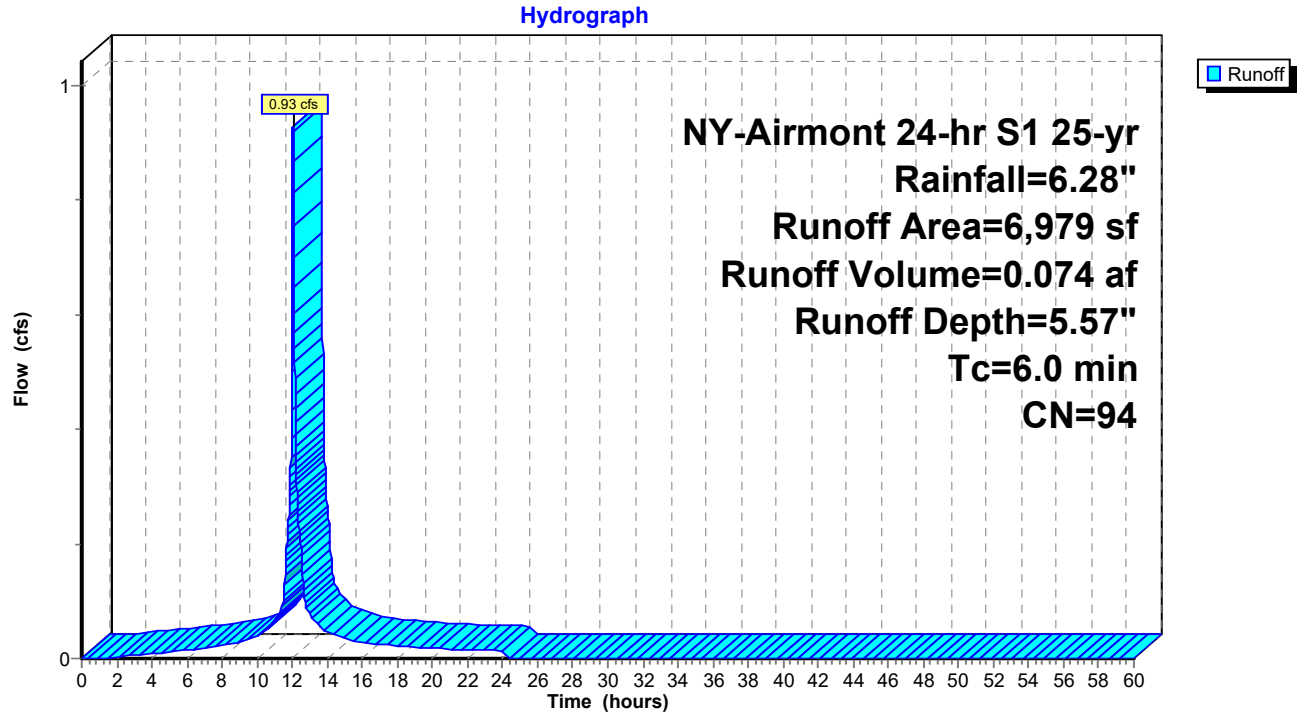
Runoff = 0.93 cfs @ 12.04 hrs, Volume= 0.074 af, Depth= 5.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,087	74	>75% Grass cover, Good, HSG C
5,892	98	Paved parking, HSG C
6,979	94	Weighted Average
1,087		15.58% Pervious Area
5,892		84.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 22S: 22S



Summary for Subcatchment 23S: 23S

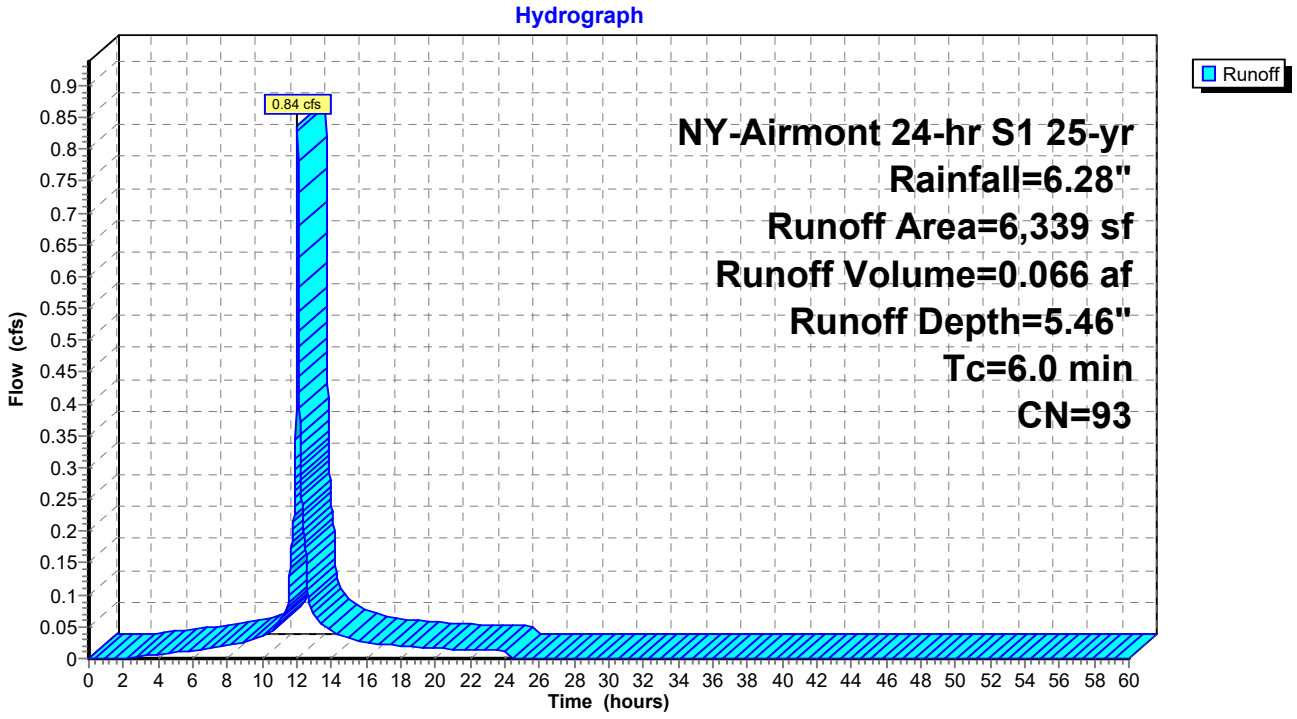
Runoff = 0.84 cfs @ 12.04 hrs, Volume= 0.066 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,368	74	>75% Grass cover, Good, HSG C
4,971	98	Paved parking, HSG C
6,339	93	Weighted Average
1,368		21.58% Pervious Area
4,971		78.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 23S: 23S



Summary for Subcatchment 24S: 24S

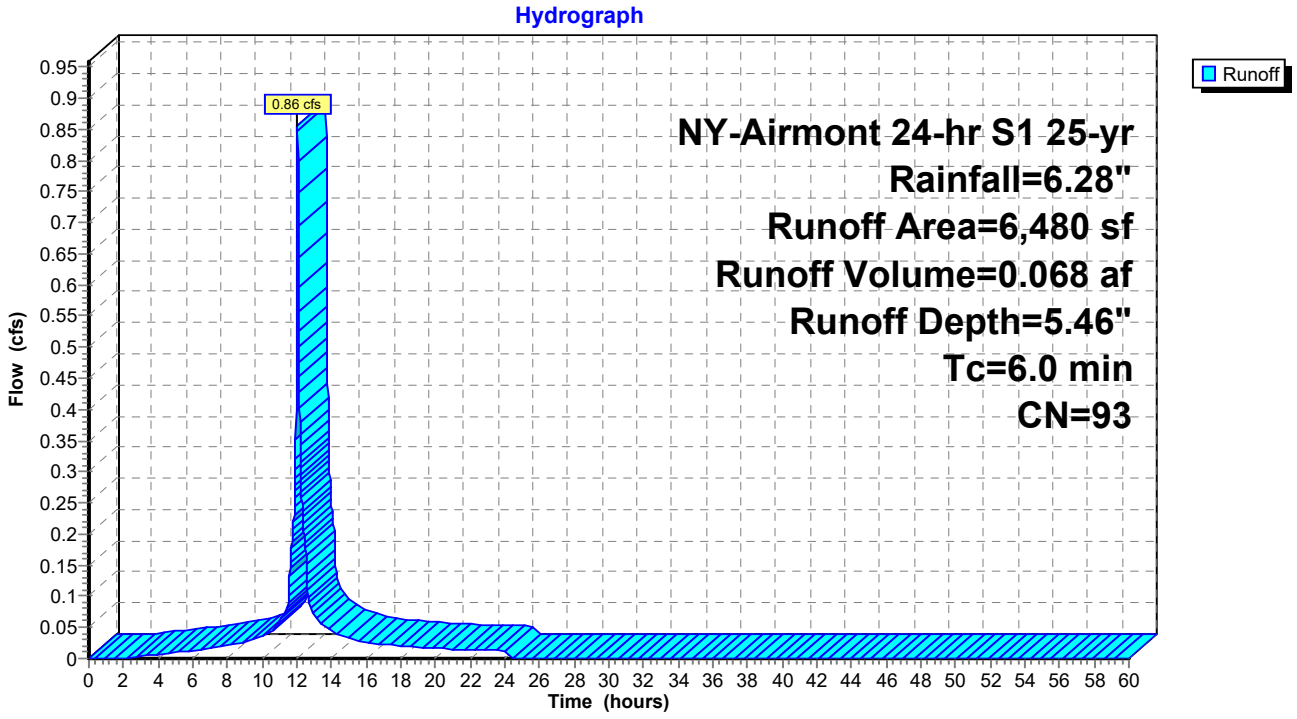
Runoff = 0.86 cfs @ 12.04 hrs, Volume= 0.068 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,407	74	>75% Grass cover, Good, HSG C
5,073	98	Paved parking, HSG C
6,480	93	Weighted Average
1,407		21.71% Pervious Area
5,073		78.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 24S: 24S



Summary for Subcatchment 25S: 25S

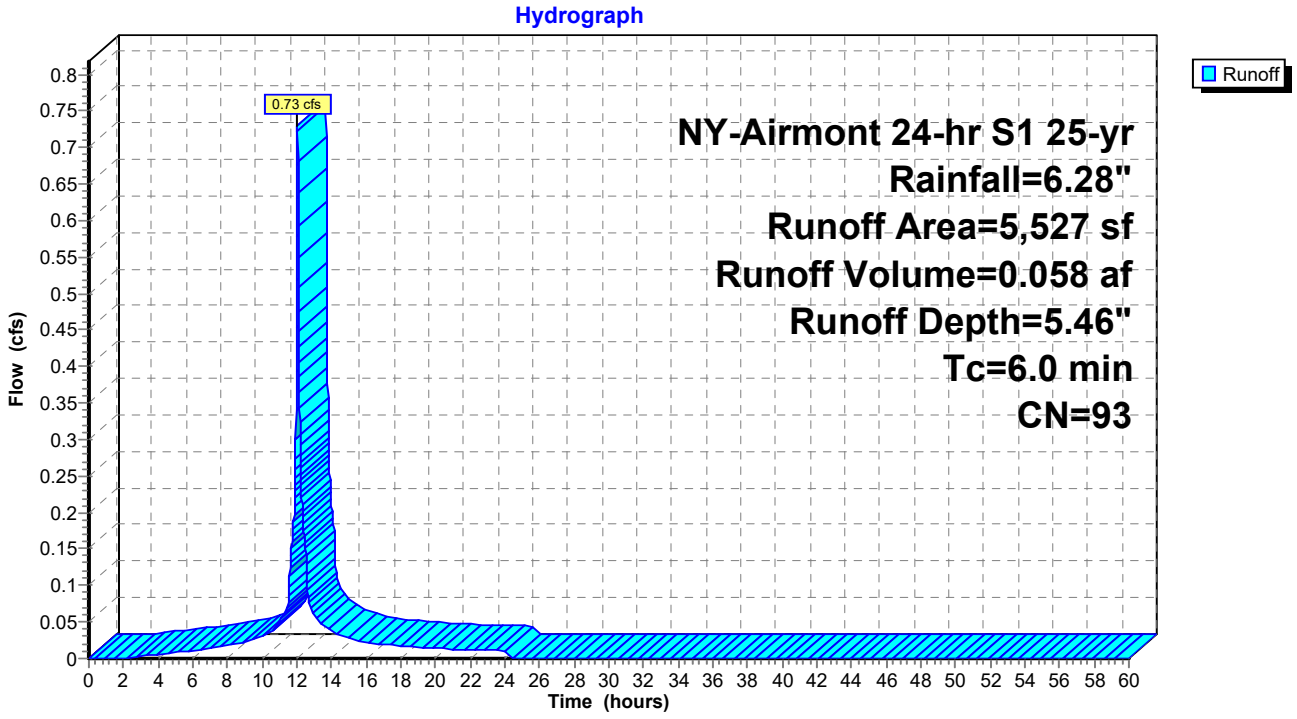
Runoff = 0.73 cfs @ 12.04 hrs, Volume= 0.058 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,206	74	>75% Grass cover, Good, HSG C
4,321	98	Paved parking, HSG C
5,527	93	Weighted Average
1,206		21.82% Pervious Area
4,321		78.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 25S: 25S



Summary for Subcatchment 26S: 26S

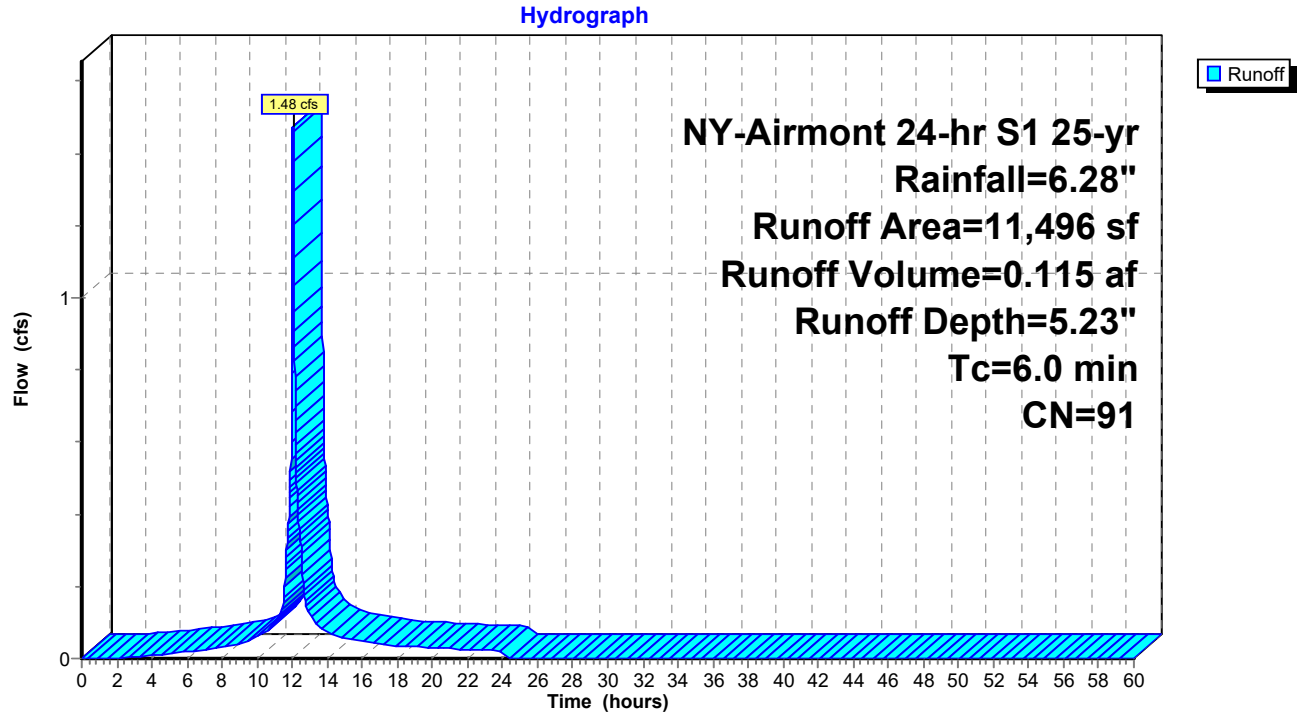
Runoff = 1.48 cfs @ 12.04 hrs, Volume= 0.115 af, Depth= 5.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
3,319	74	>75% Grass cover, Good, HSG C
8,177	98	Paved parking, HSG C
11,496	91	Weighted Average
3,319		28.87% Pervious Area
8,177		71.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 26S: 26S



Summary for Subcatchment 27S: 27S

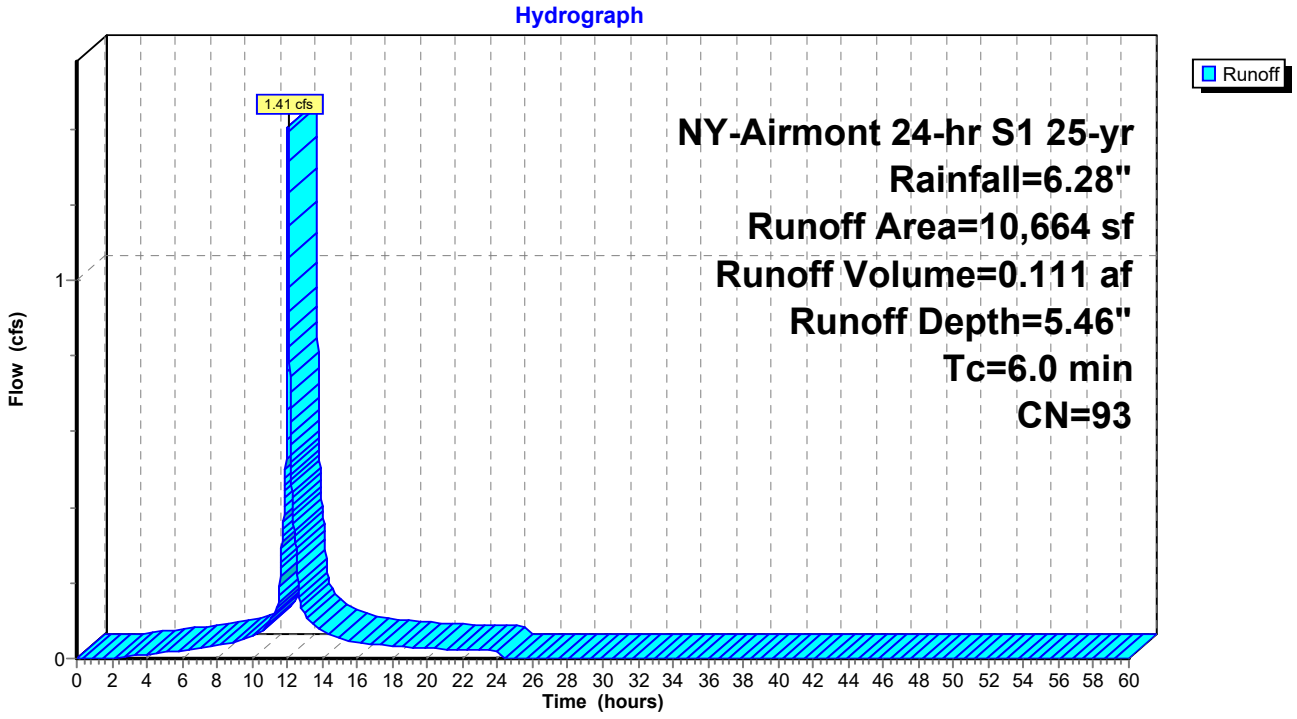
Runoff = 1.41 cfs @ 12.04 hrs, Volume= 0.111 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
2,160	74	>75% Grass cover, Good, HSG C
8,504	98	Paved parking, HSG C
10,664	93	Weighted Average
2,160		20.26% Pervious Area
8,504		79.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 27S: 27S



Summary for Subcatchment 28S: 28S

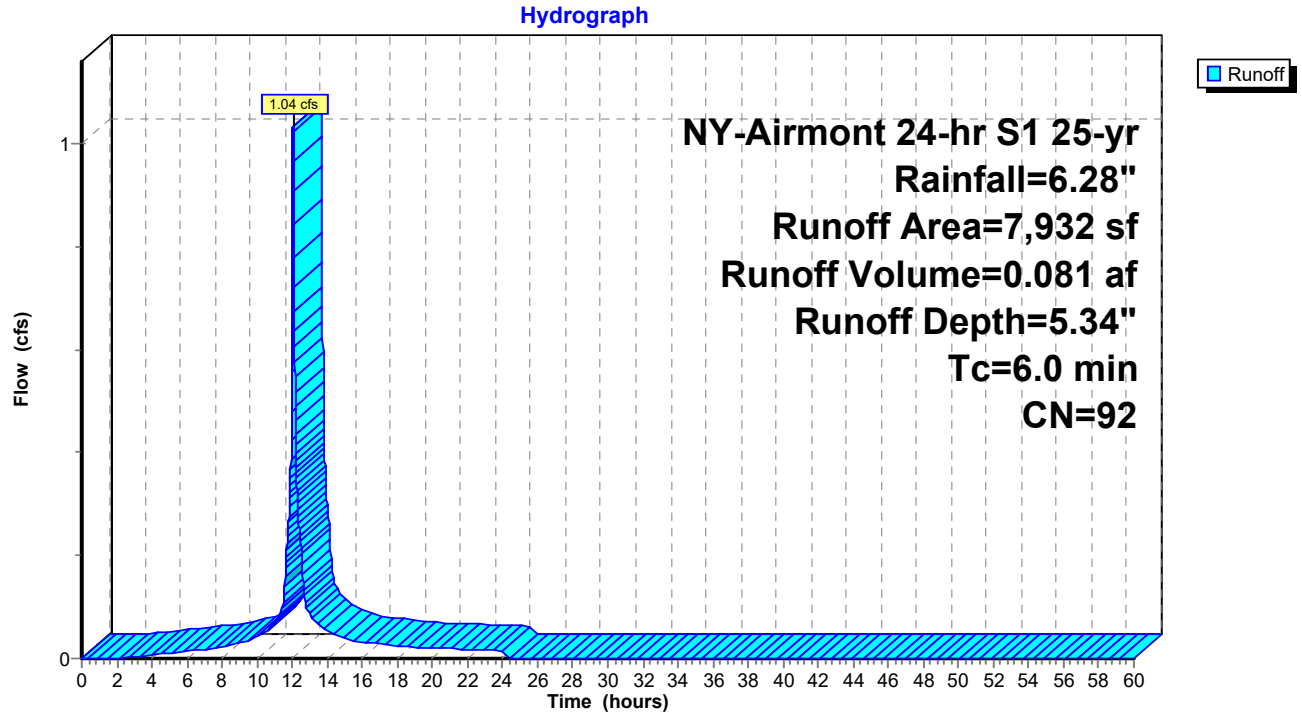
Runoff = 1.04 cfs @ 12.04 hrs, Volume= 0.081 af, Depth= 5.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,916	74	>75% Grass cover, Good, HSG C
6,016	98	Paved parking, HSG C
7,932	92	Weighted Average
1,916		24.16% Pervious Area
6,016		75.84% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 28S: 28S



Summary for Subcatchment 29S: 29S

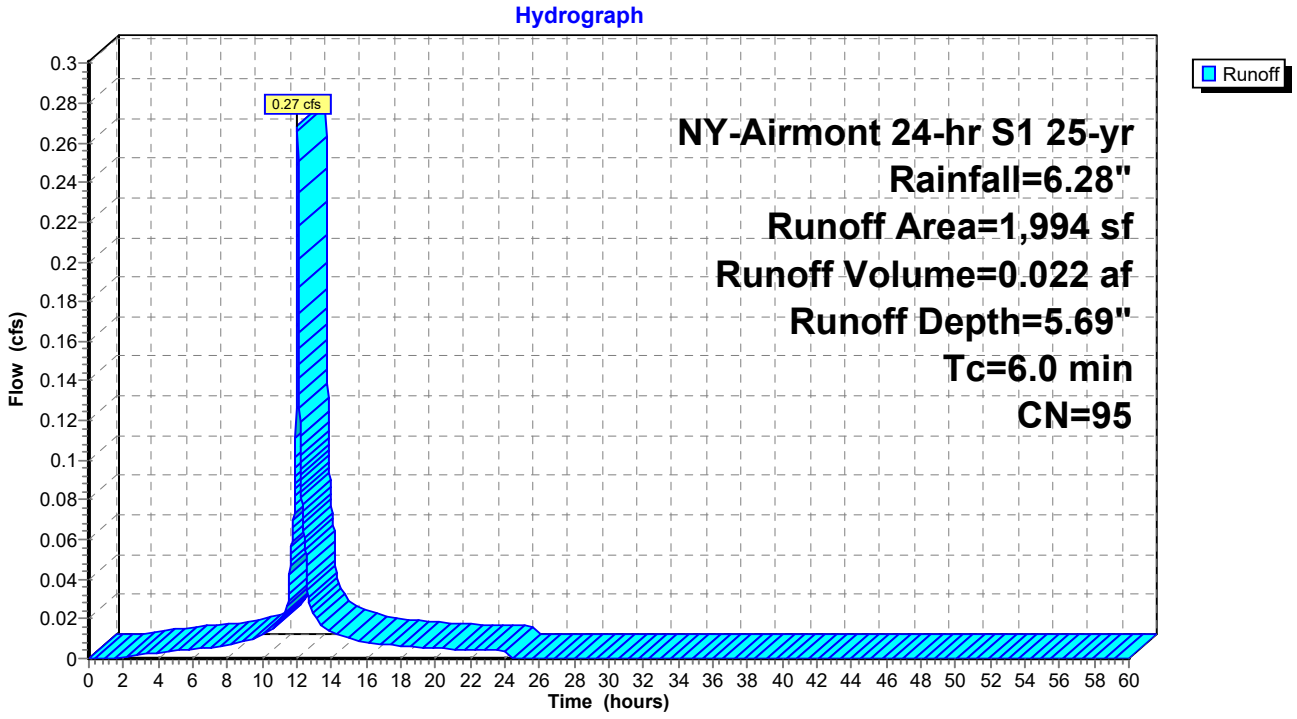
Runoff = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af, Depth= 5.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
279	74	>75% Grass cover, Good, HSG C
1,715	98	Paved parking, HSG C
1,994	95	Weighted Average
279		13.99% Pervious Area
1,715		86.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 29S: 29S



Summary for Subcatchment 30S: 30S

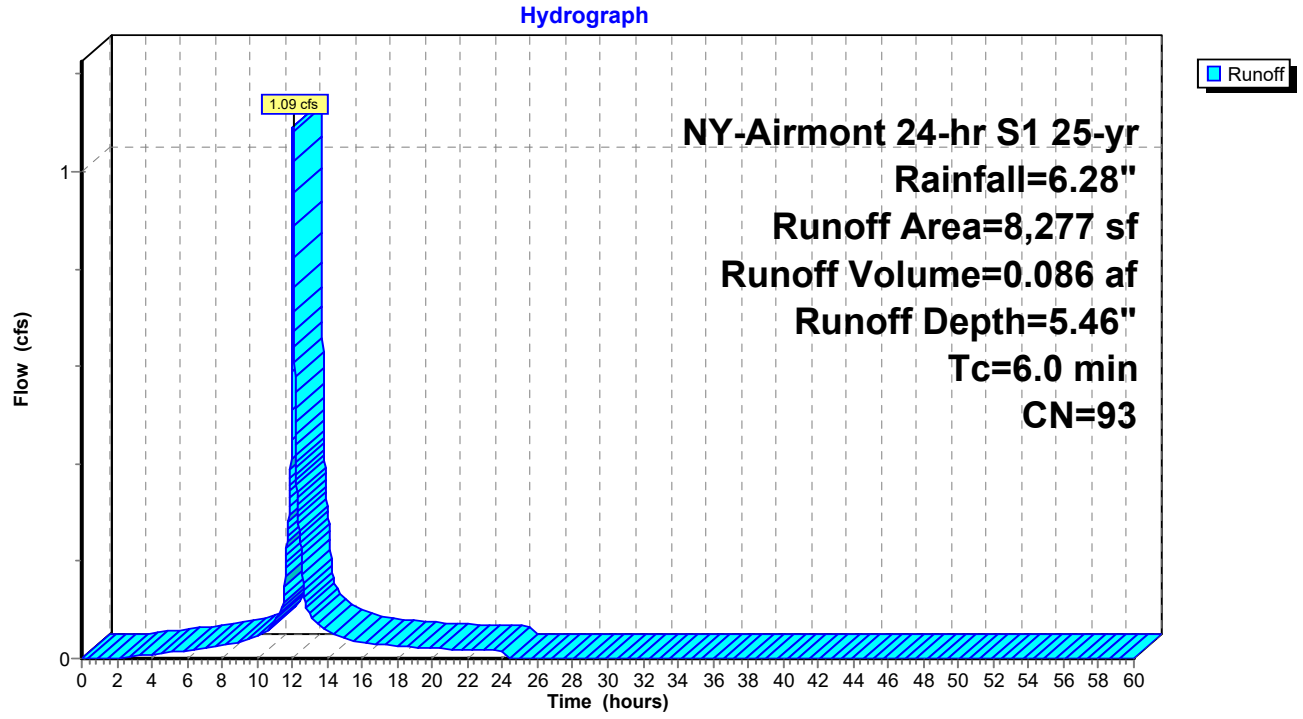
Runoff = 1.09 cfs @ 12.04 hrs, Volume= 0.086 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,627	74	>75% Grass cover, Good, HSG C
6,650	98	Paved parking, HSG C
8,277	93	Weighted Average
1,627		19.66% Pervious Area
6,650		80.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 30S: 30S



Summary for Subcatchment 31S: 31S

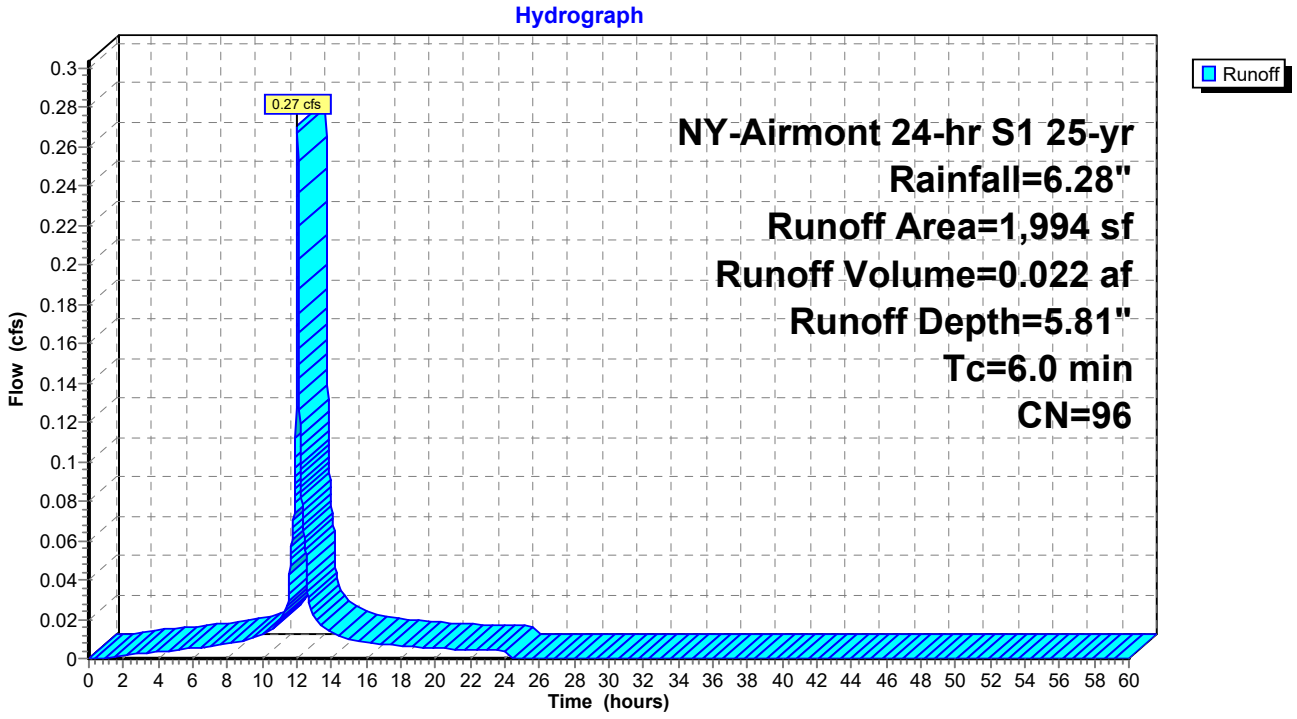
Runoff = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af, Depth= 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
207	74	>75% Grass cover, Good, HSG C
1,787	98	Paved parking, HSG C
1,994	96	Weighted Average
207		10.38% Pervious Area
1,787		89.62% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 31S: 31S



Summary for Subcatchment 32S: 32S

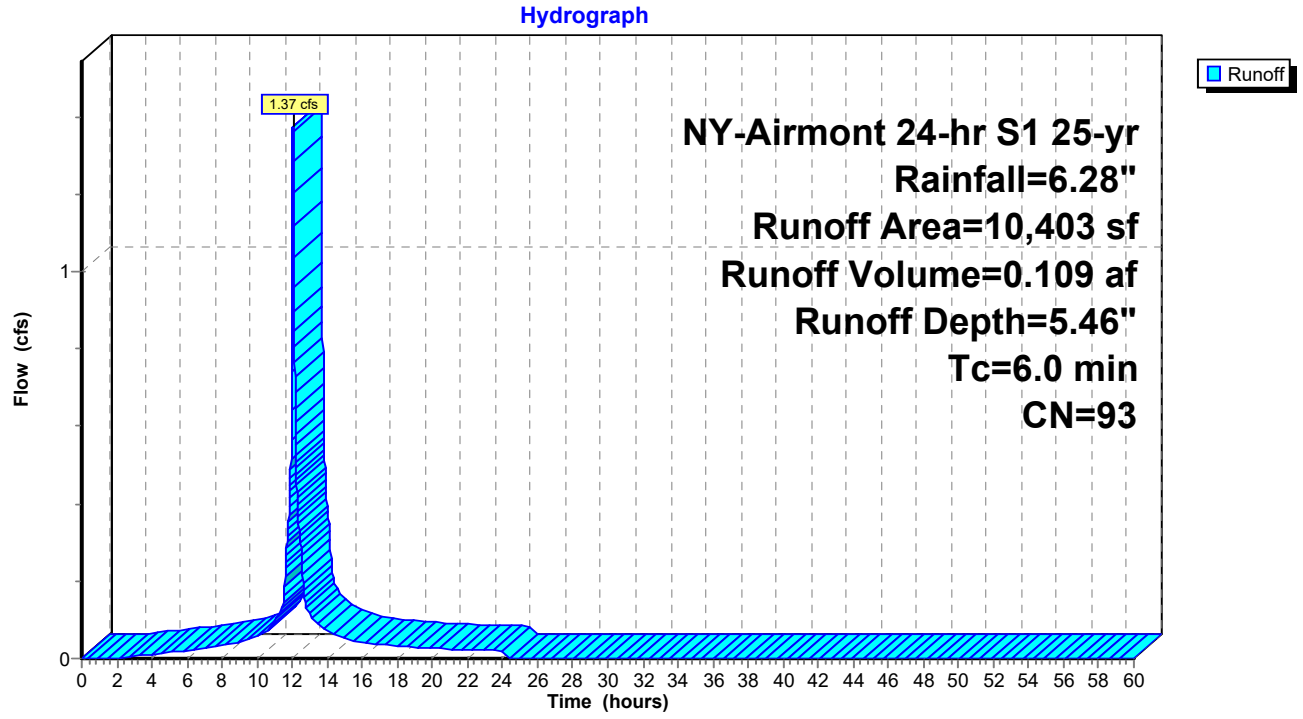
Runoff = 1.37 cfs @ 12.04 hrs, Volume= 0.109 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
2,229	74	>75% Grass cover, Good, HSG C
8,174	98	Paved parking, HSG C
10,403	93	Weighted Average
2,229		21.43% Pervious Area
8,174		78.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 32S: 32S



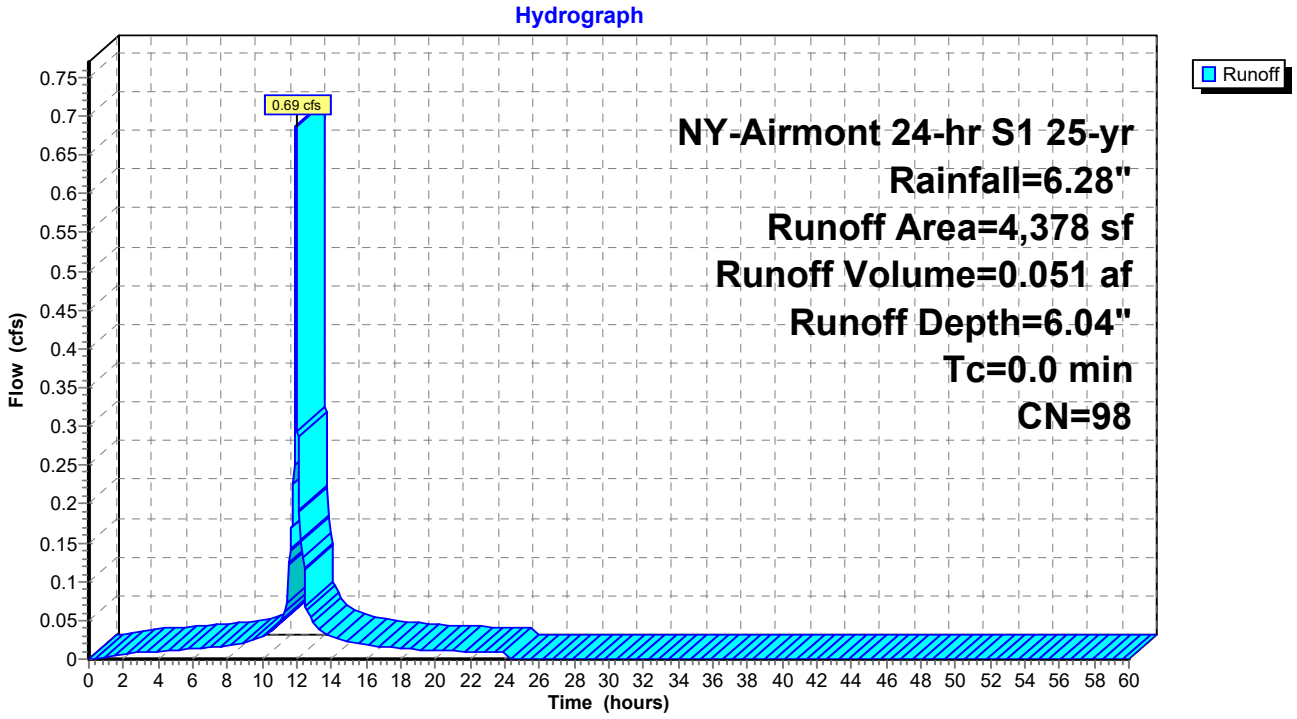
Summary for Subcatchment 35S: DA-33

Runoff = 0.69 cfs @ 11.99 hrs, Volume= 0.051 af, Depth= 6.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
4,378	98	Paved parking, HSG C
4,378		100.00% Impervious Area

Subcatchment 35S: DA-33



Summary for Subcatchment 36S: 36S

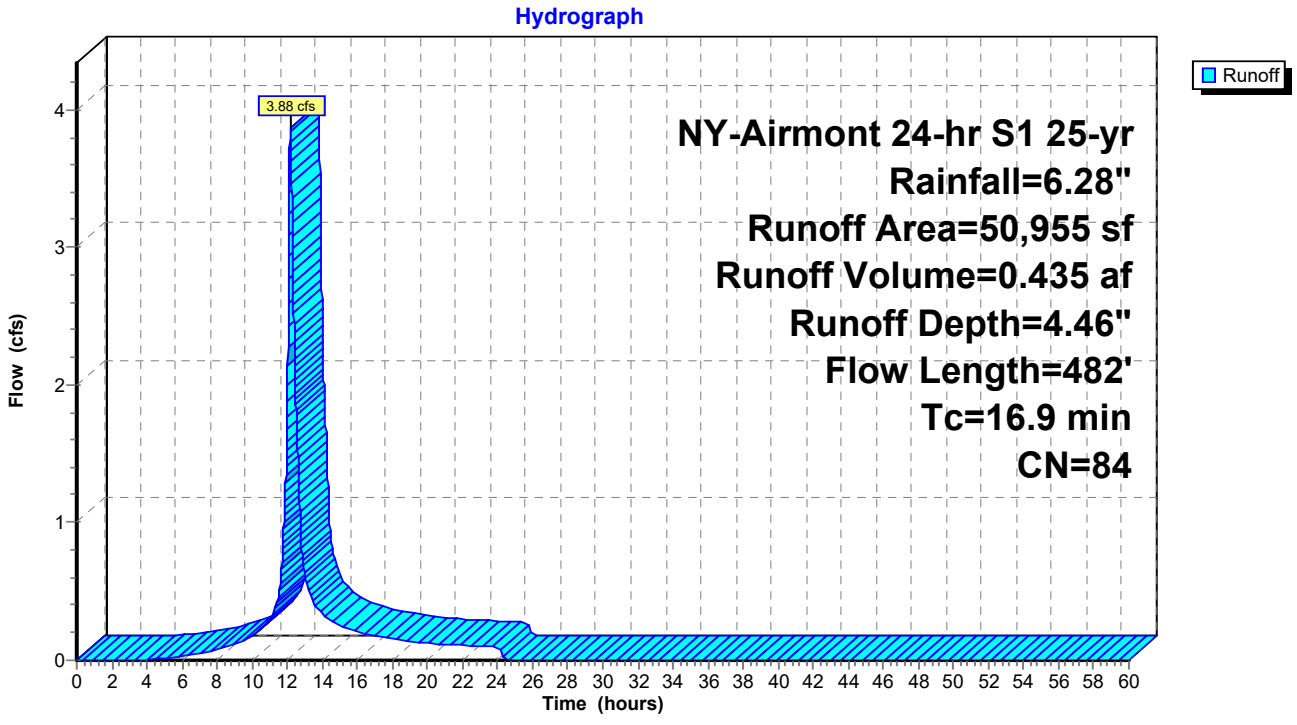
Runoff = 3.88 cfs @ 12.19 hrs, Volume= 0.435 af, Depth= 4.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
30,182	74	>75% Grass cover, Good, HSG C
20,773	98	Unconnected pavement, HSG C
50,955	84	Weighted Average
30,182		59.23% Pervious Area
20,773		40.77% Impervious Area
20,773		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	100	0.0200	0.17		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
7.4	382	0.0150	0.86		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
16.9	482	Total			

Subcatchment 36S: 36S



Summary for Subcatchment 37S: 37S

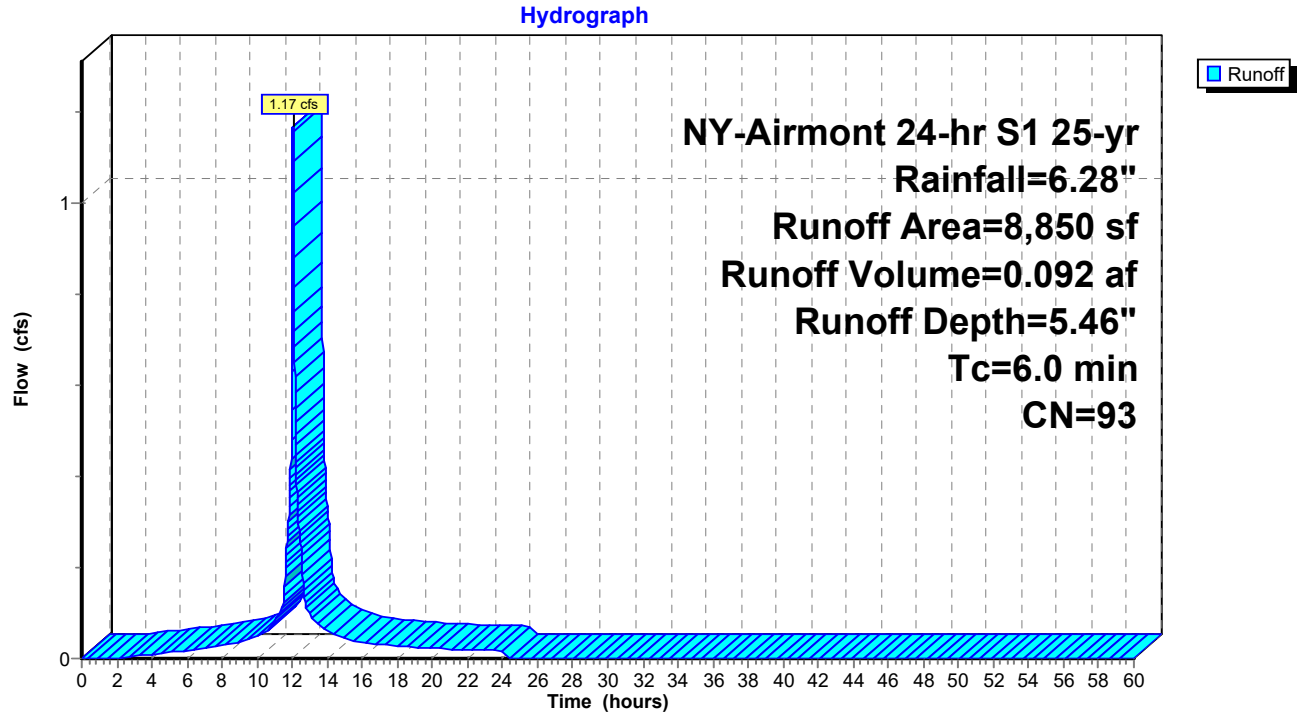
Runoff = 1.17 cfs @ 12.04 hrs, Volume= 0.092 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,782	74	>75% Grass cover, Good, HSG C
7,068	98	Paved parking, HSG C
8,850	93	Weighted Average
1,782		20.14% Pervious Area
7,068		79.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 37S: 37S



Summary for Subcatchment 38S: 38S

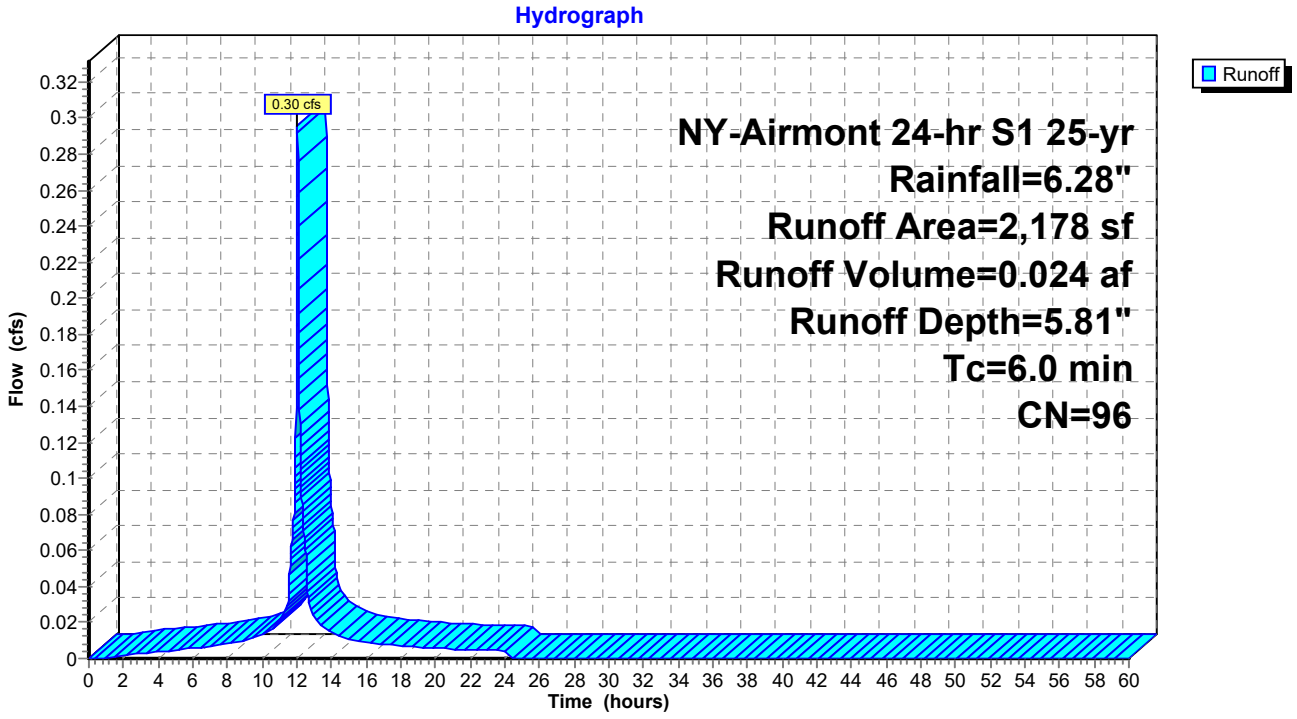
Runoff = 0.30 cfs @ 12.04 hrs, Volume= 0.024 af, Depth= 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
218	74	>75% Grass cover, Good, HSG C
1,960	98	Paved parking, HSG C
2,178	96	Weighted Average
218		10.01% Pervious Area
1,960		89.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 38S: 38S



Summary for Subcatchment 39S: 39S

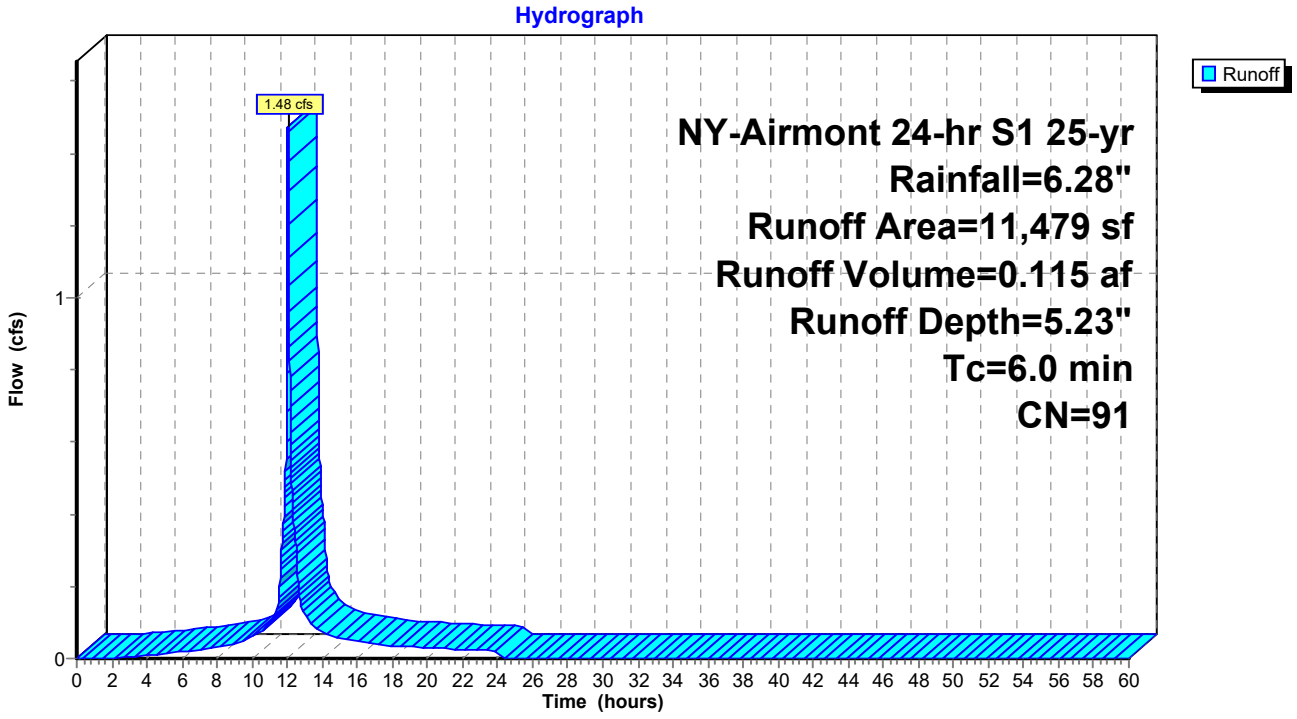
Runoff = 1.48 cfs @ 12.04 hrs, Volume= 0.115 af, Depth= 5.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
3,296	74	>75% Grass cover, Good, HSG C
8,183	98	Paved parking, HSG C
11,479	91	Weighted Average
3,296		28.71% Pervious Area
8,183		71.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 39S: 39S



Summary for Subcatchment 40S: 40S

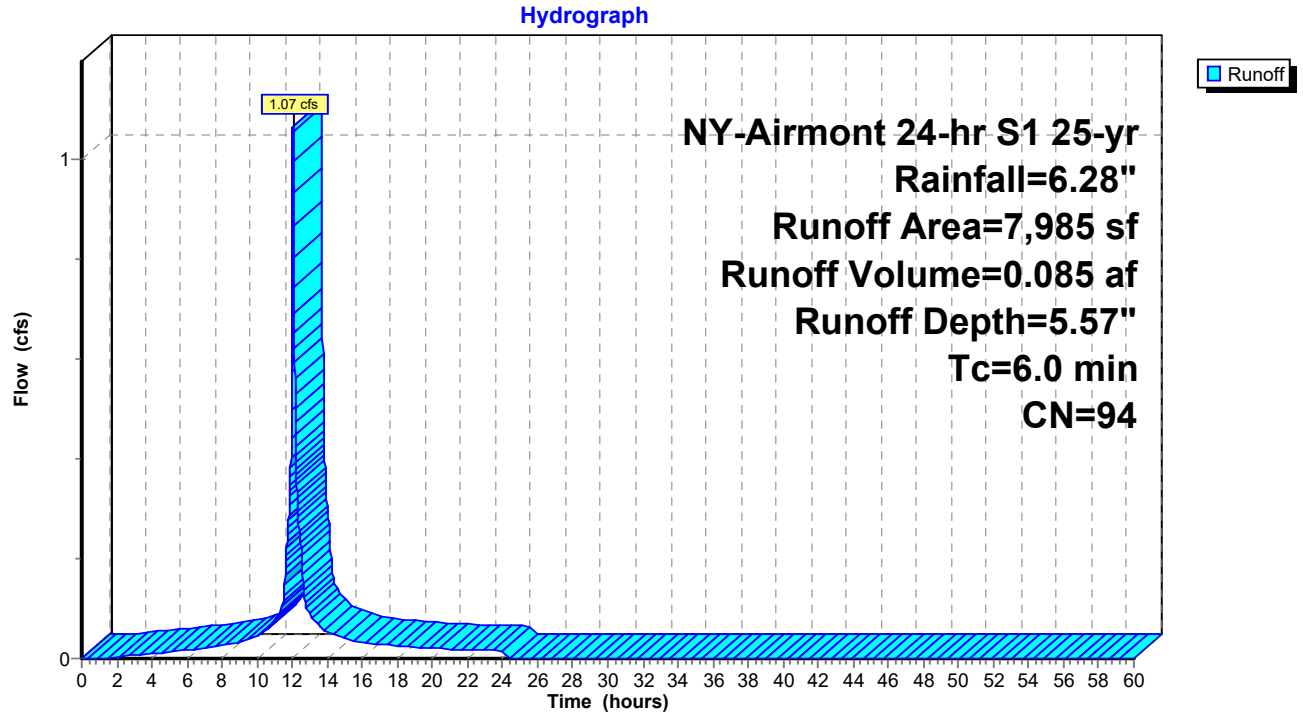
Runoff = 1.07 cfs @ 12.04 hrs, Volume= 0.085 af, Depth= 5.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,808	98	Paved parking, HSG C
7,985	94	Weighted Average
1,177		14.74% Pervious Area
6,808		85.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 40S: 40S



Summary for Subcatchment 41S: 41S

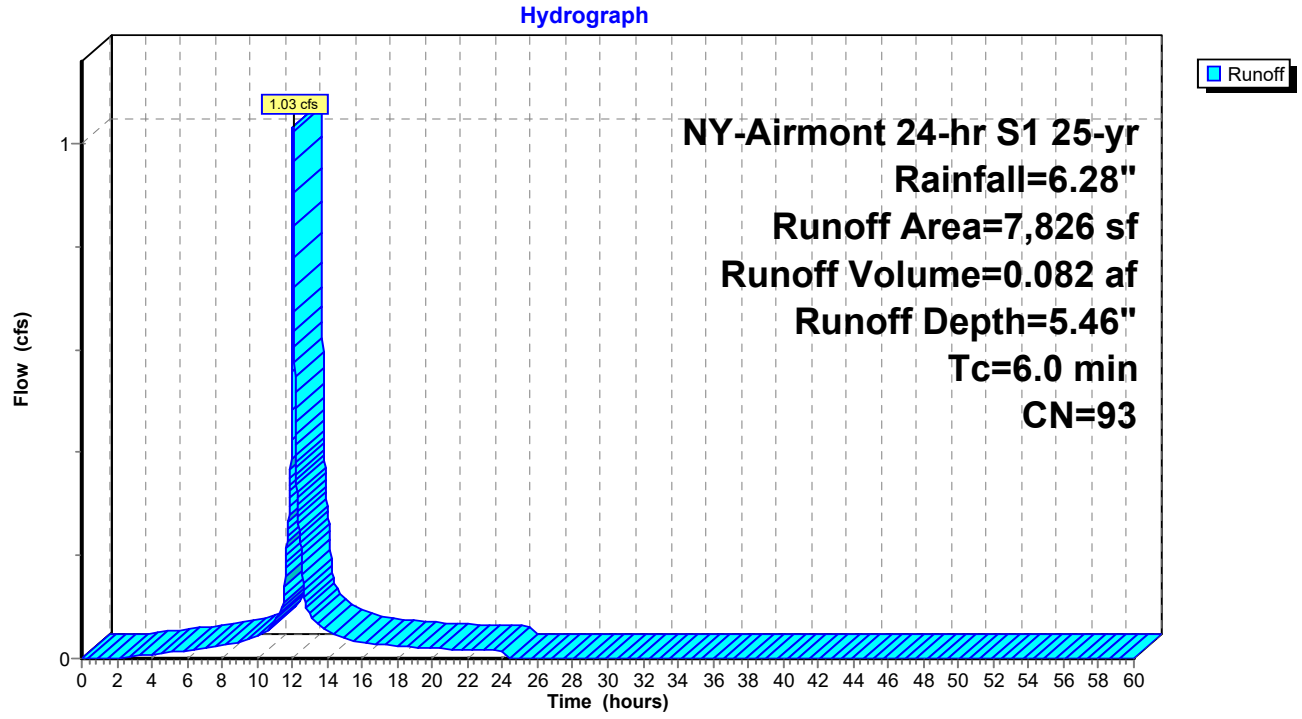
Runoff = 1.03 cfs @ 12.04 hrs, Volume= 0.082 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,777	74	>75% Grass cover, Good, HSG C
6,049	98	Paved parking, HSG C
7,826	93	Weighted Average
1,777		22.71% Pervious Area
6,049		77.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 41S: 41S



Summary for Subcatchment 42S: 42S

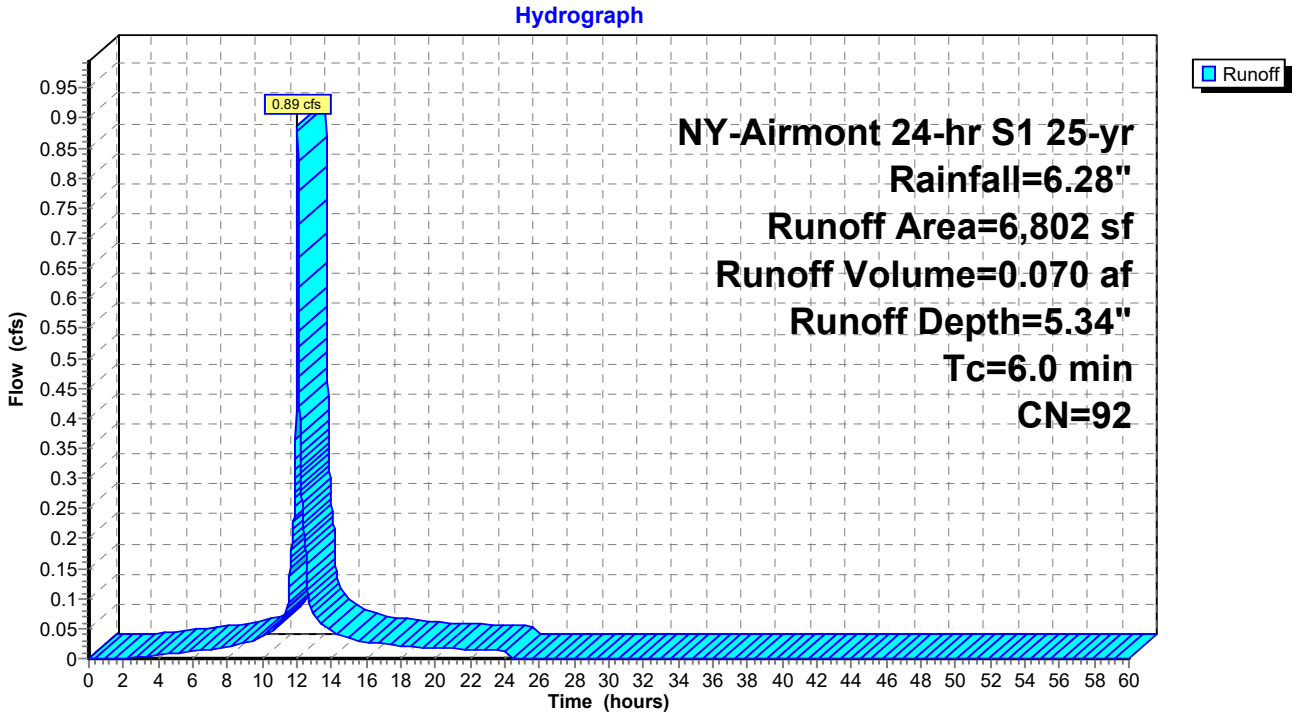
Runoff = 0.89 cfs @ 12.04 hrs, Volume= 0.070 af, Depth= 5.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,609	74	>75% Grass cover, Good, HSG C
5,193	98	Paved parking, HSG C
6,802	92	Weighted Average
1,609		23.65% Pervious Area
5,193		76.35% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 42S: 42S



Summary for Subcatchment 43S: 43S

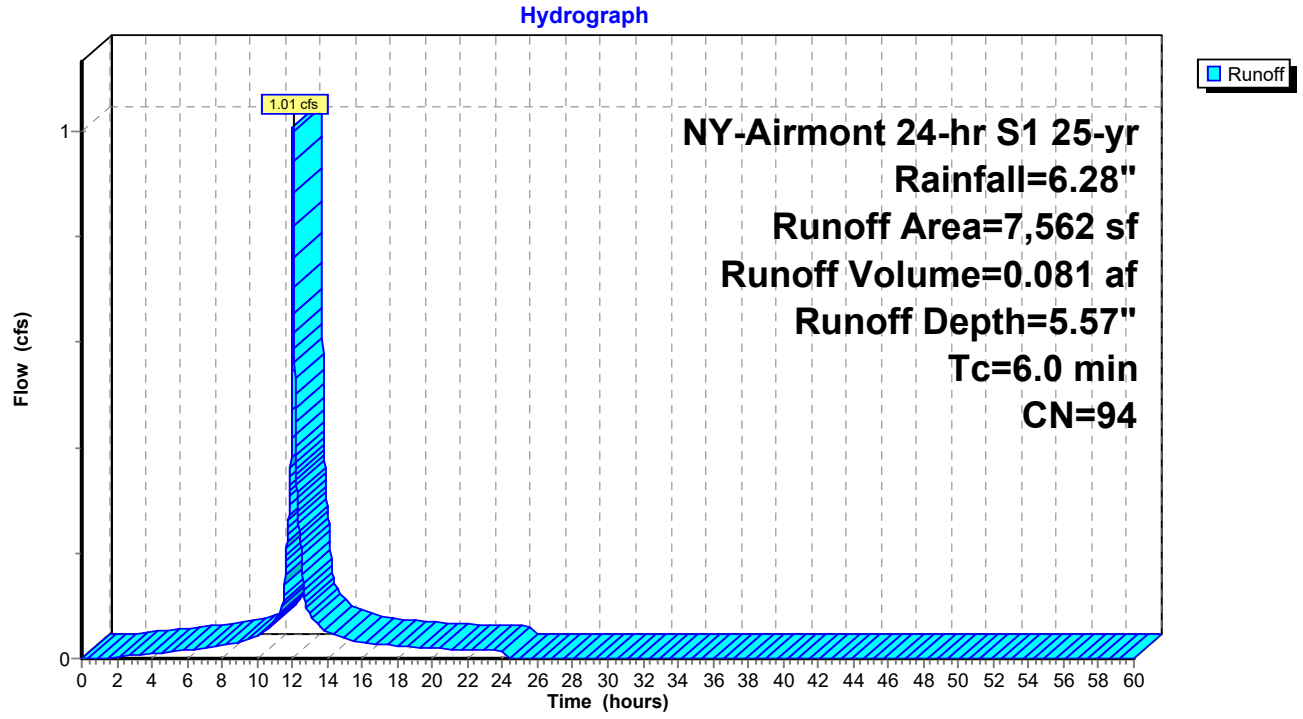
Runoff = 1.01 cfs @ 12.04 hrs, Volume= 0.081 af, Depth= 5.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,385	98	Paved parking, HSG C
7,562	94	Weighted Average
1,177		15.56% Pervious Area
6,385		84.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 43S: 43S



Summary for Subcatchment 44S: 44S

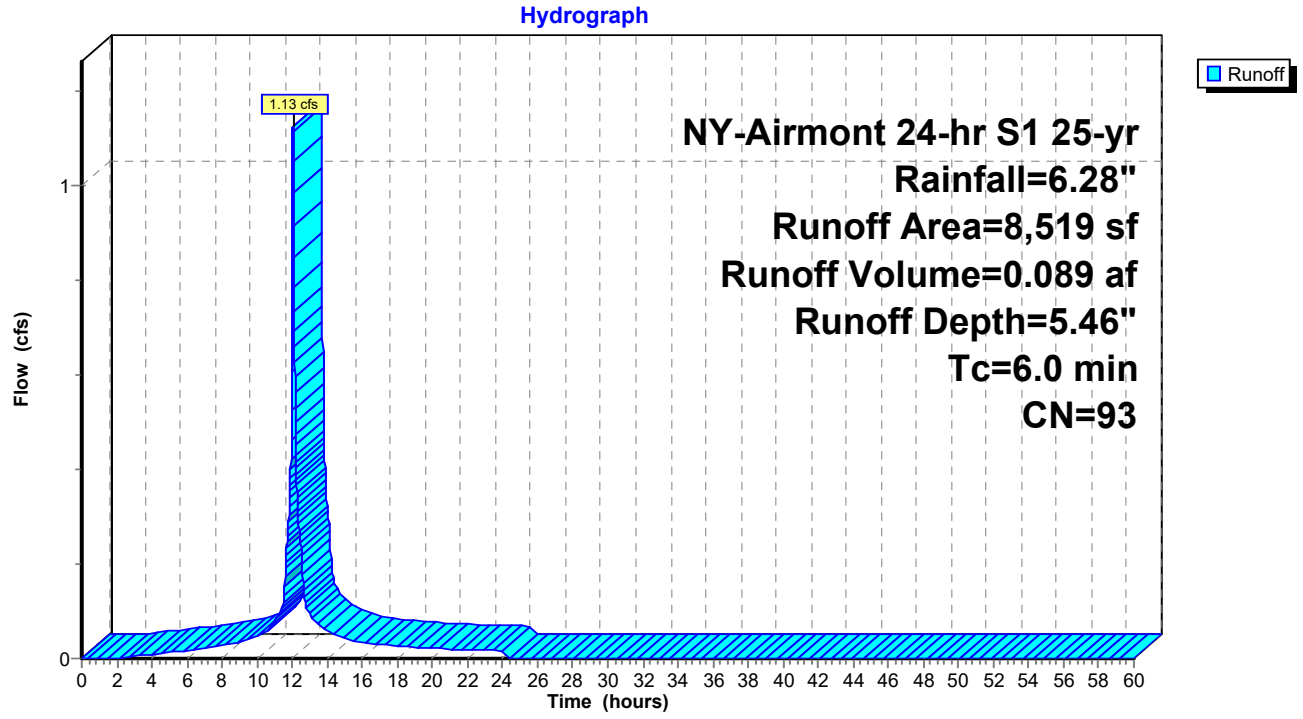
Runoff = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,832	74	>75% Grass cover, Good, HSG C
6,687	98	Paved parking, HSG C
8,519	93	Weighted Average
1,832		21.50% Pervious Area
6,687		78.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 44S: 44S



Summary for Subcatchment 45S: 45S

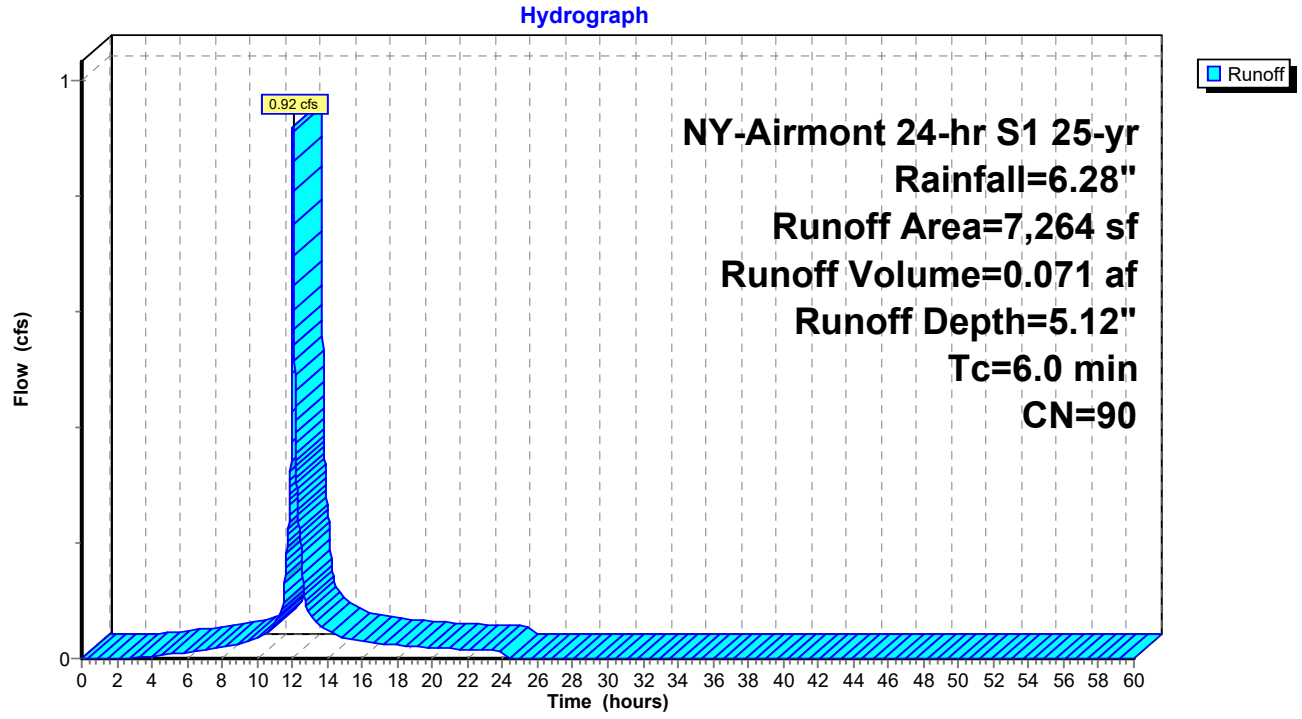
Runoff = 0.92 cfs @ 12.04 hrs, Volume= 0.071 af, Depth= 5.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
2,319	74	>75% Grass cover, Good, HSG C
4,945	98	Paved parking, HSG C
7,264	90	Weighted Average
2,319		31.92% Pervious Area
4,945		68.08% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 45S: 45S



Summary for Subcatchment 46S: 46S

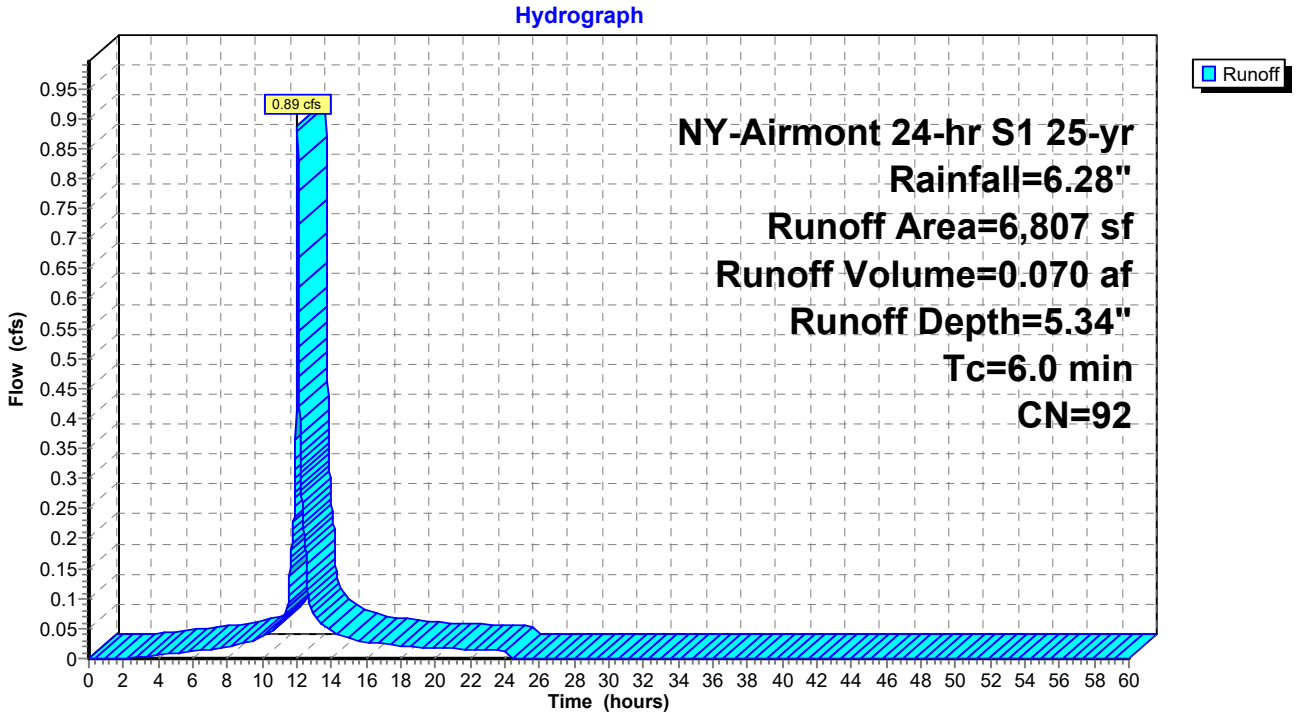
Runoff = 0.89 cfs @ 12.04 hrs, Volume= 0.070 af, Depth= 5.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
1,580	74	>75% Grass cover, Good, HSG C
5,227	98	Paved parking, HSG C
6,807	92	Weighted Average
1,580		23.21% Pervious Area
5,227		76.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 46S: 46S



Summary for Subcatchment 47S: 47S

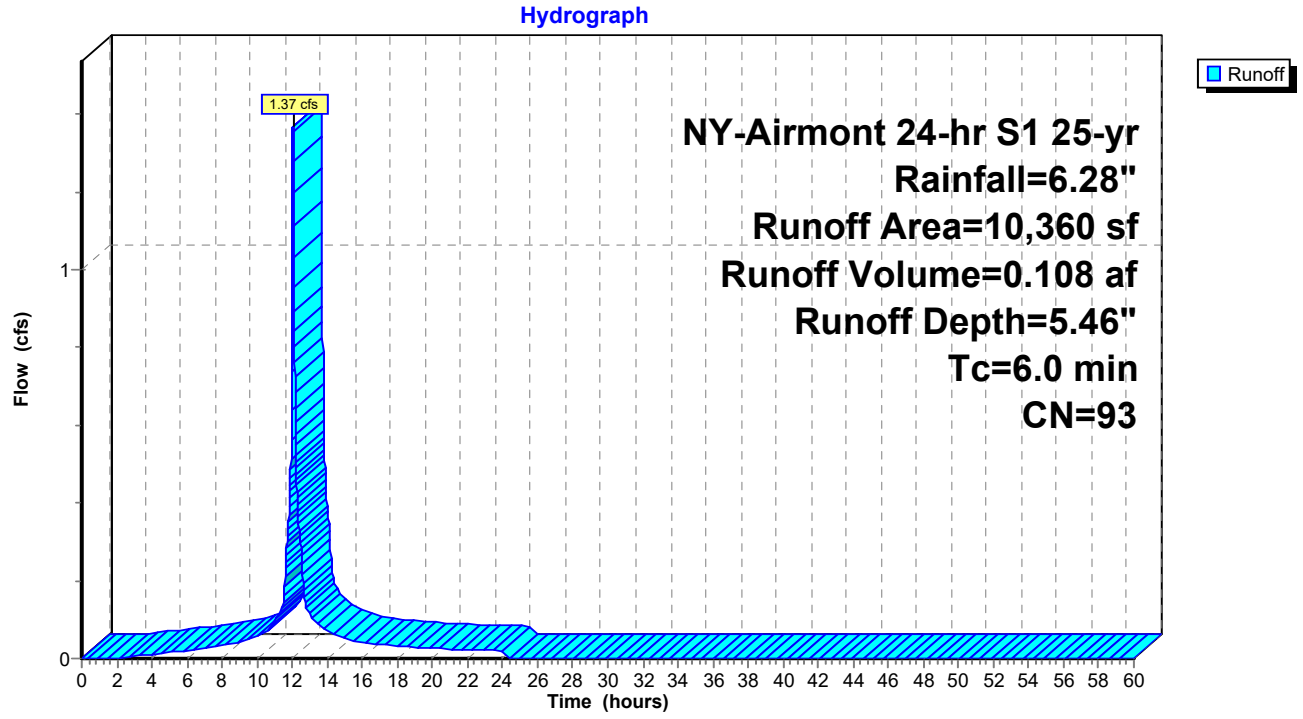
Runoff = 1.37 cfs @ 12.04 hrs, Volume= 0.108 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
8,250	98	Paved parking, HSG C
2,110	74	>75% Grass cover, Good, HSG C
10,360	93	Weighted Average
2,110		20.37% Pervious Area
8,250		79.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 47S: 47S



Summary for Subcatchment 48S: 48S

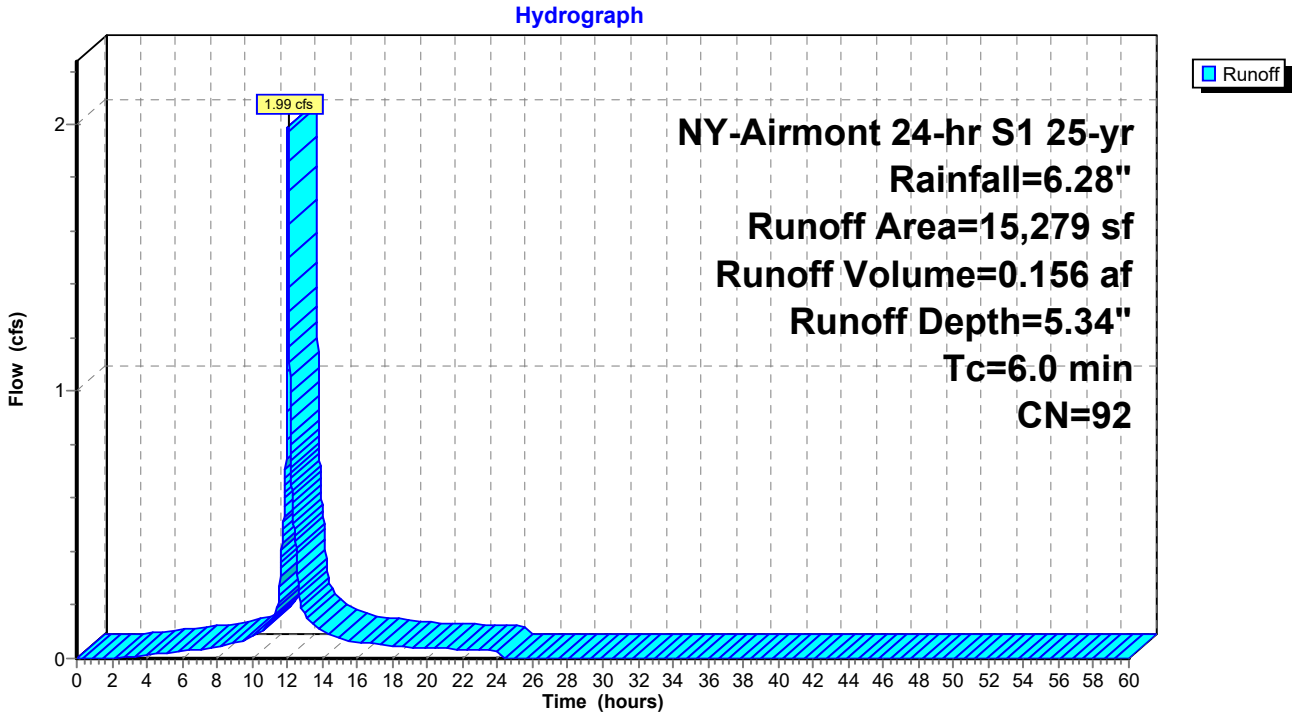
Runoff = 1.99 cfs @ 12.04 hrs, Volume= 0.156 af, Depth= 5.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
11,660	98	Paved parking, HSG C
3,619	74	>75% Grass cover, Good, HSG C
15,279	92	Weighted Average
3,619		23.69% Pervious Area
11,660		76.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 48S: 48S



Summary for Subcatchment 51S: 51S

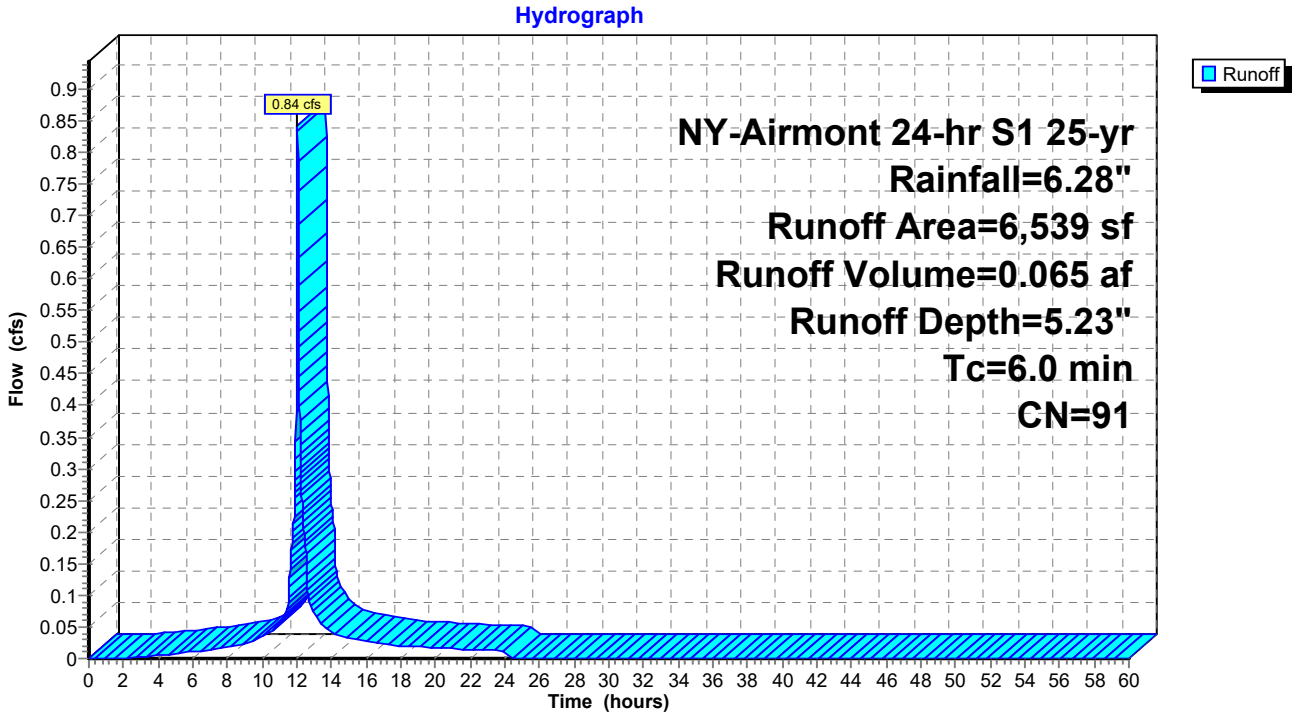
Runoff = 0.84 cfs @ 12.04 hrs, Volume= 0.065 af, Depth= 5.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
4,620	98	Paved parking, HSG C
1,919	74	>75% Grass cover, Good, HSG C
6,539	91	Weighted Average
1,919		29.35% Pervious Area
4,620		70.65% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 51S: 51S



Summary for Subcatchment 52S: 52S

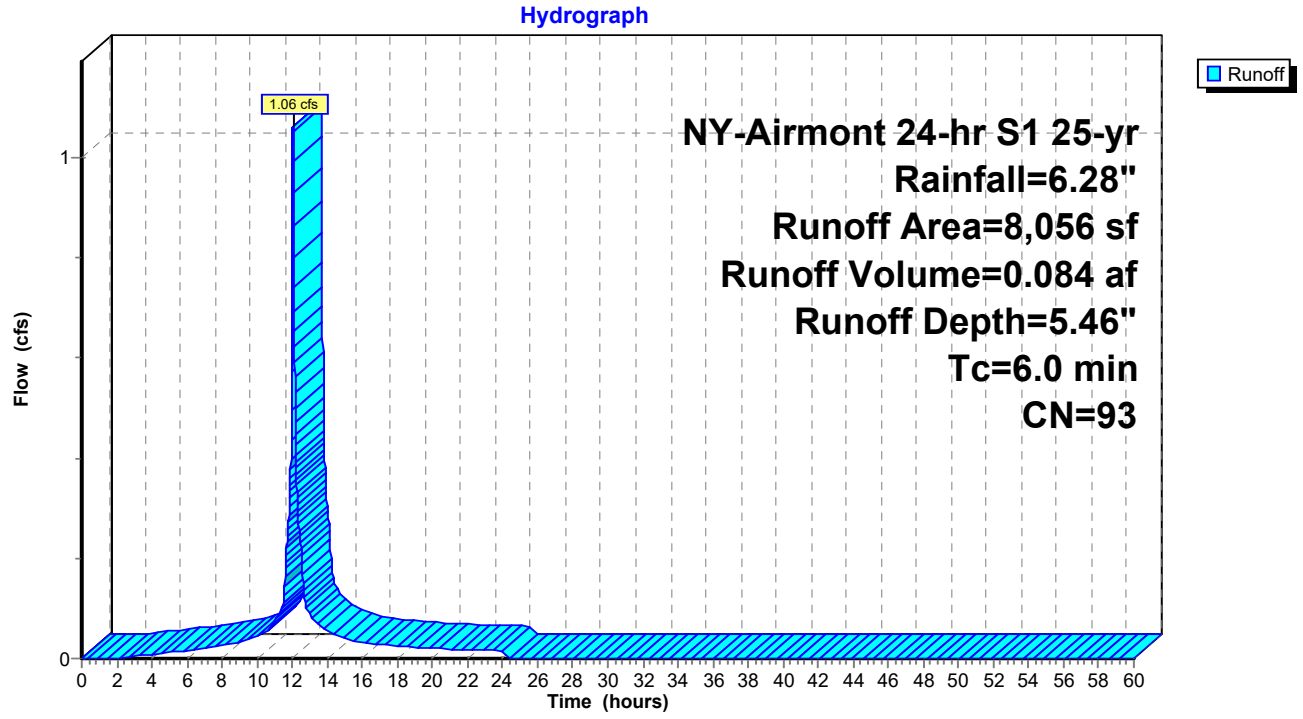
Runoff = 1.06 cfs @ 12.04 hrs, Volume= 0.084 af, Depth= 5.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
6,501	98	Paved parking, HSG C
1,555	74	>75% Grass cover, Good, HSG C
8,056	93	Weighted Average
1,555		19.30% Pervious Area
6,501		80.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 52S: 52S



Summary for Subcatchment DA-3: DA-3

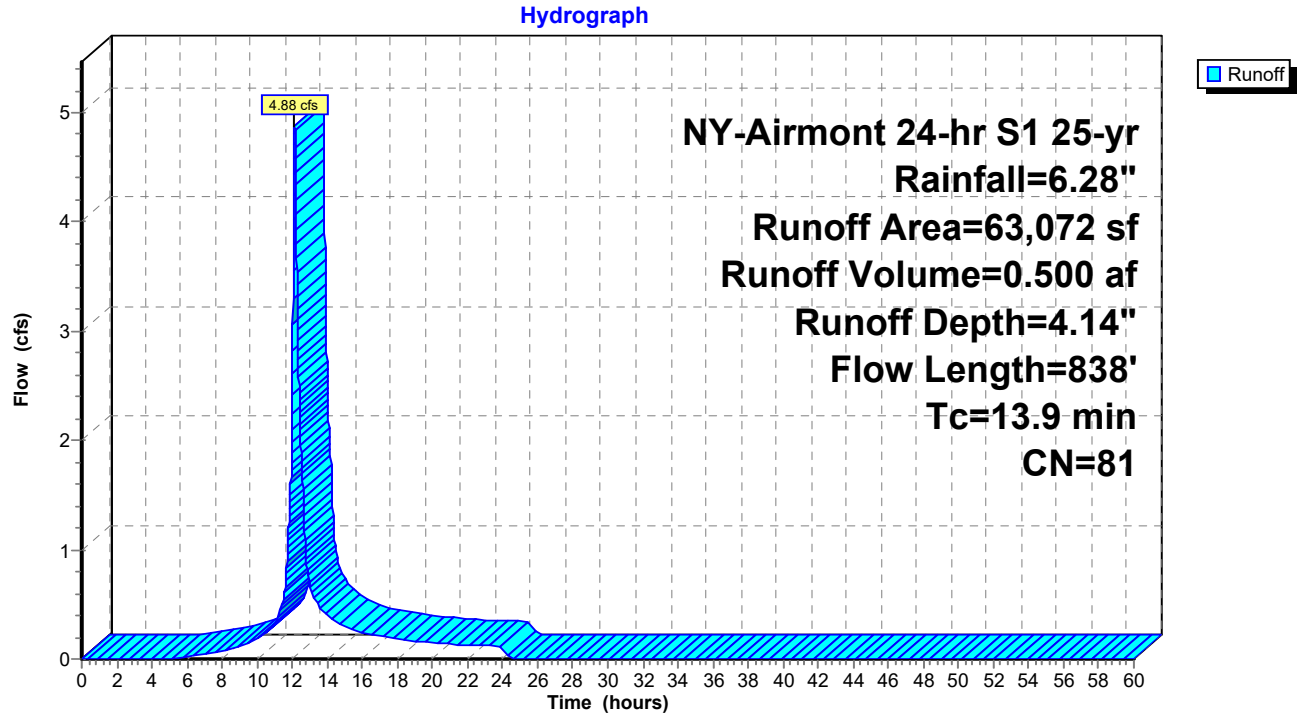
Runoff = 4.88 cfs @ 12.14 hrs, Volume= 0.500 af, Depth= 4.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
19,075	98	Unconnected pavement, HSG C
43,997	74	>75% Grass cover, Good, HSG C
63,072	81	Weighted Average
43,997		69.76% Pervious Area
19,075		30.24% Impervious Area
19,075		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.5	100	0.2500	0.48		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.5	60	0.1000	2.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
3.8	138	0.0075	0.61		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
6.1	540	0.0450	1.48		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
13.9	838	Total			

Subcatchment DA-3: DA-3



Summary for Subcatchment DA-5: DA-5

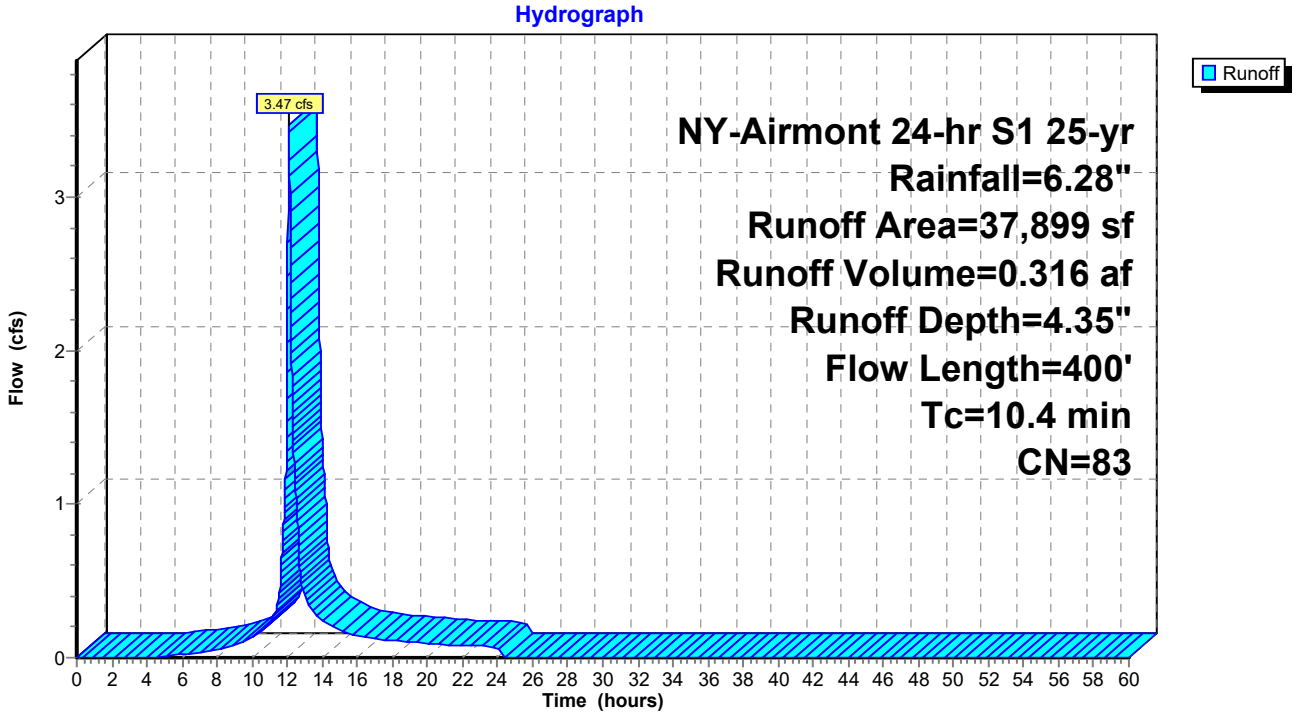
Runoff = 3.47 cfs @ 12.09 hrs, Volume= 0.316 af, Depth= 4.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
14,322	98	Paved parking, HSG C
23,577	74	>75% Grass cover, Good, HSG C
37,899	83	Weighted Average
23,577		62.21% Pervious Area
14,322		37.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1	25	0.2500	0.36		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.7	75	0.0400	0.22		**Sheet Flow, SF2** Grass: Short n= 0.150 P2= 3.37"
3.6	300	0.0400	1.40		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
10.4	400	Total			

Subcatchment DA-5: DA-5



Summary for Subcatchment DA-6: DA-6

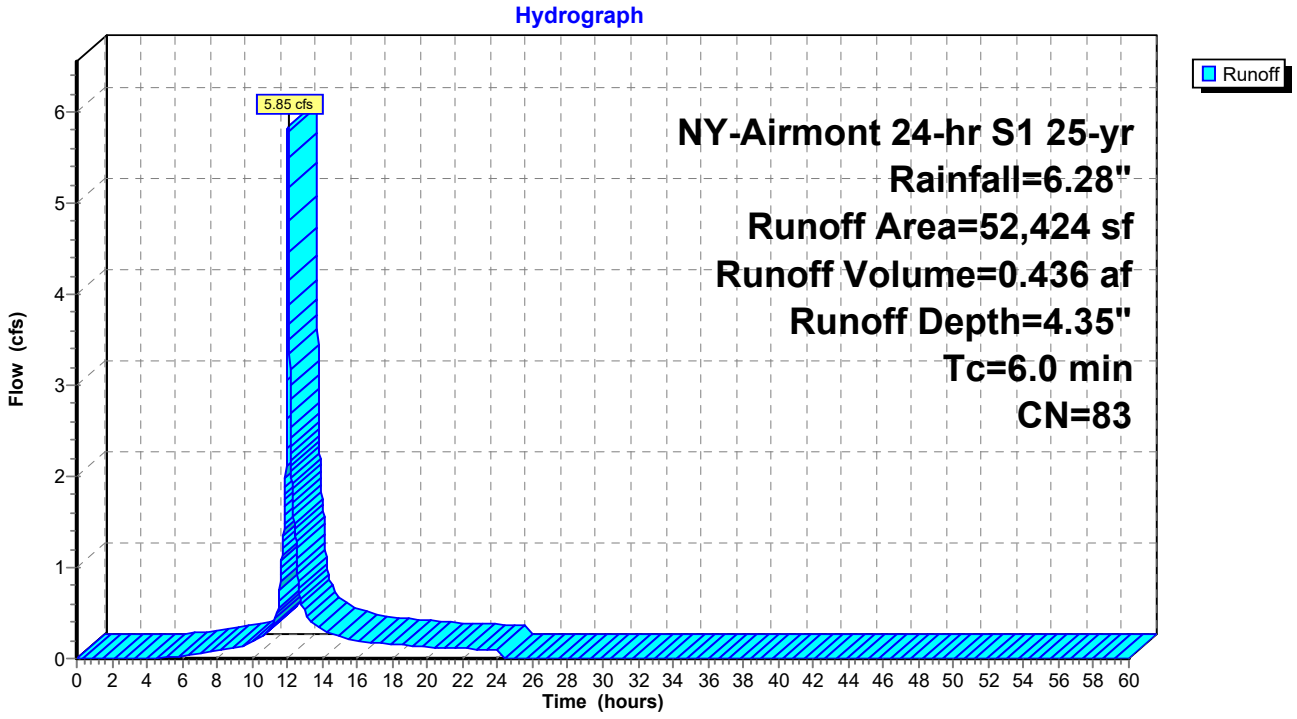
Runoff = 5.85 cfs @ 12.04 hrs, Volume= 0.436 af, Depth= 4.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
20,295	98	Paved parking, HSG C
32,129	74	>75% Grass cover, Good, HSG C
52,424	83	Weighted Average
32,129		61.29% Pervious Area
20,295		38.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-6: DA-6



Summary for Subcatchment DA-7: Conservation Area

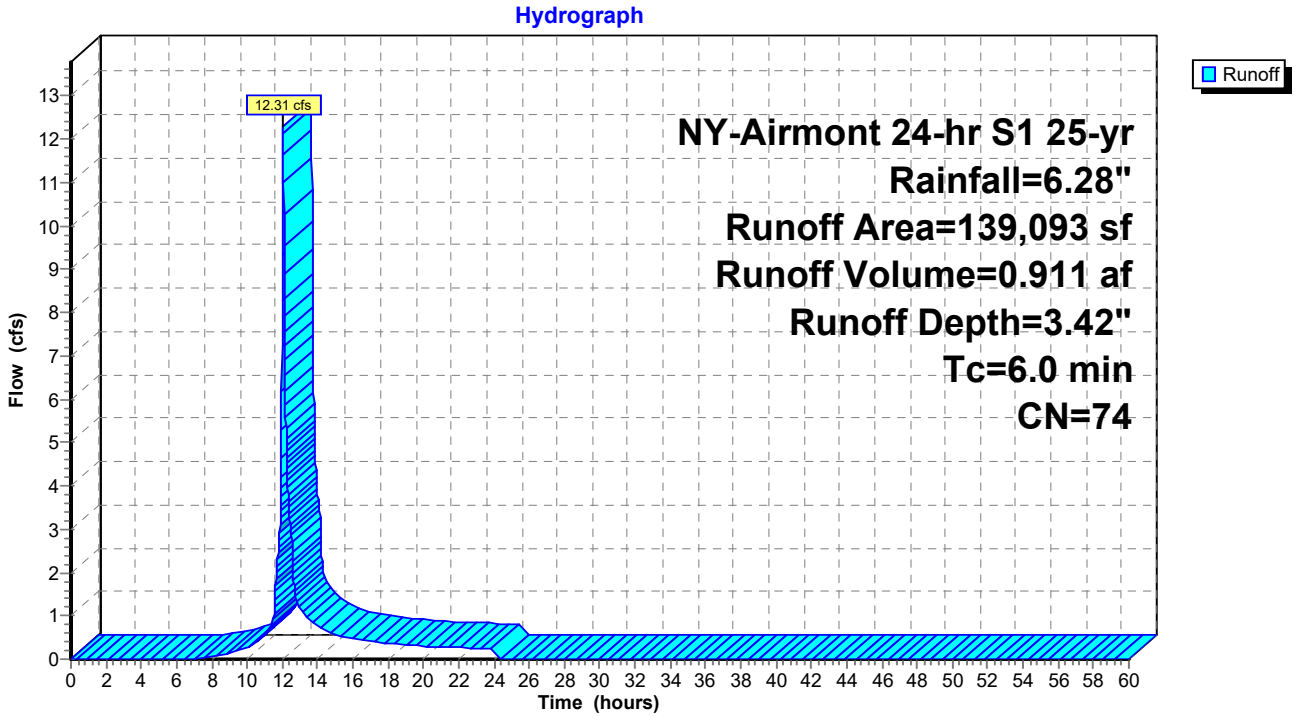
Runoff = 12.31 cfs @ 12.04 hrs, Volume= 0.911 af, Depth= 3.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 25-yr Rainfall=6.28"

Area (sf)	CN	Description
139,093	74	>75% Grass cover, Good, HSG C
139,093		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-7: Conservation Area



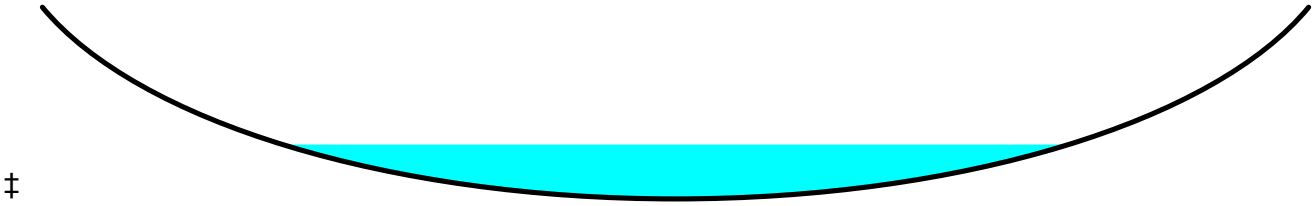
Summary for Reach 91R: Swale-North

Inflow Area = 1.448 ac, 30.24% Impervious, Inflow Depth = 4.14" for 25-yr event
Inflow = 4.88 cfs @ 12.14 hrs, Volume= 0.500 af
Outflow = 4.80 cfs @ 12.16 hrs, Volume= 0.500 af, Atten= 2%, Lag= 1.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Max. Velocity= 4.76 fps, Min. Travel Time= 1.9 min
Avg. Velocity = 1.68 fps, Avg. Travel Time= 5.3 min

Peak Storage= 544 cf @ 12.16 hrs
Average Depth at Peak Storage= 0.28'
Bank-Full Depth= 1.00' Flow Area= 6.7 sf, Capacity= 72.68 cfs

10.00' x 1.00' deep Parabolic Channel, n= 0.022 Earth, clean & straight
Length= 540.0' Slope= 0.0463 '/'
Inlet Invert= 395.00', Outlet Invert= 370.00'



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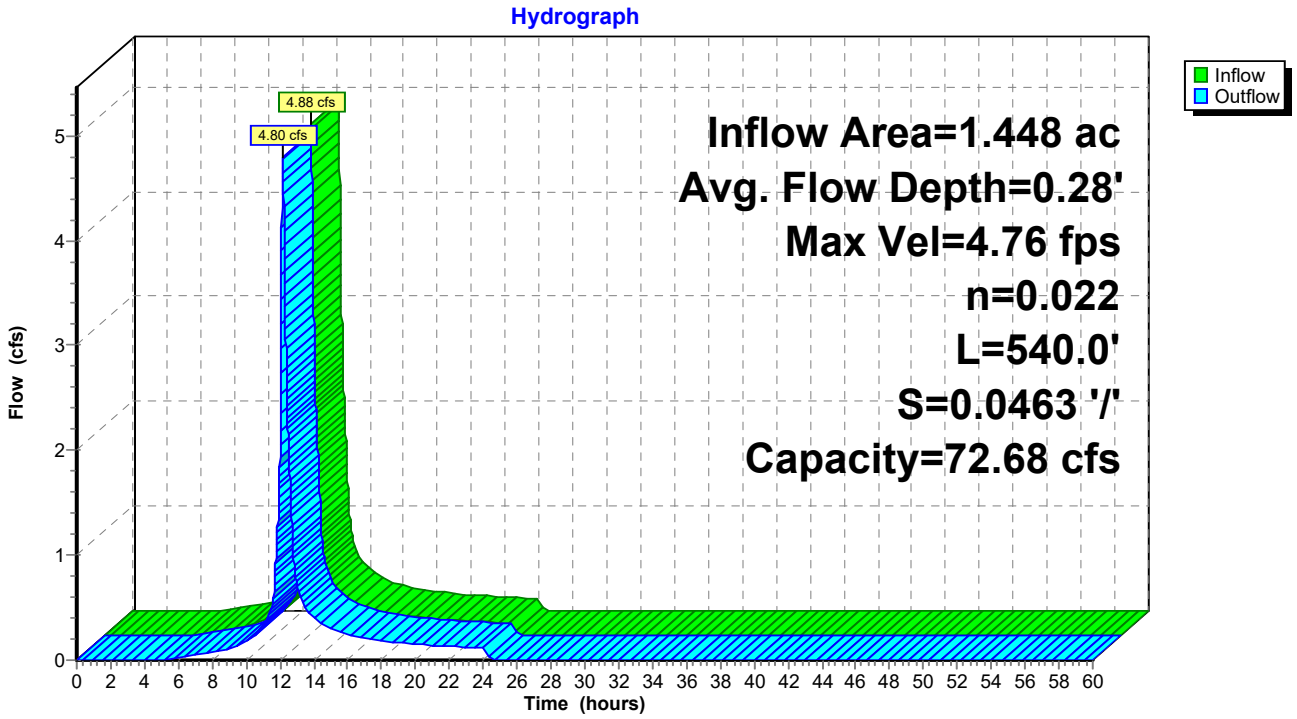
Reach 91R: Swale-North



Summary for Pond 6P: Pond

Inflow Area = 11.803 ac, 62.78% Impervious, Inflow Depth = 4.32" for 25-yr event
Inflow = 47.95 cfs @ 12.04 hrs, Volume= 4.249 af
Outflow = 42.08 cfs @ 12.08 hrs, Volume= 4.239 af, Atten= 12%, Lag= 2.2 min
Primary = 42.08 cfs @ 12.08 hrs, Volume= 4.239 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Starting Elev= 364.00' Surf.Area= 4,172 sf Storage= 10,075 cf
Peak Elev= 365.09' @ 12.08 hrs Surf.Area= 8,857 sf Storage= 17,167 cf (7,093 cf above start)
Flood Elev= 369.25' Surf.Area= 14,394 sf Storage= 62,463 cf (52,388 cf above start)

Plug-Flow detention time= 63.5 min calculated for 4.008 af (94% of inflow)
Center-of-Mass det. time= 5.9 min (802.2 - 796.4)

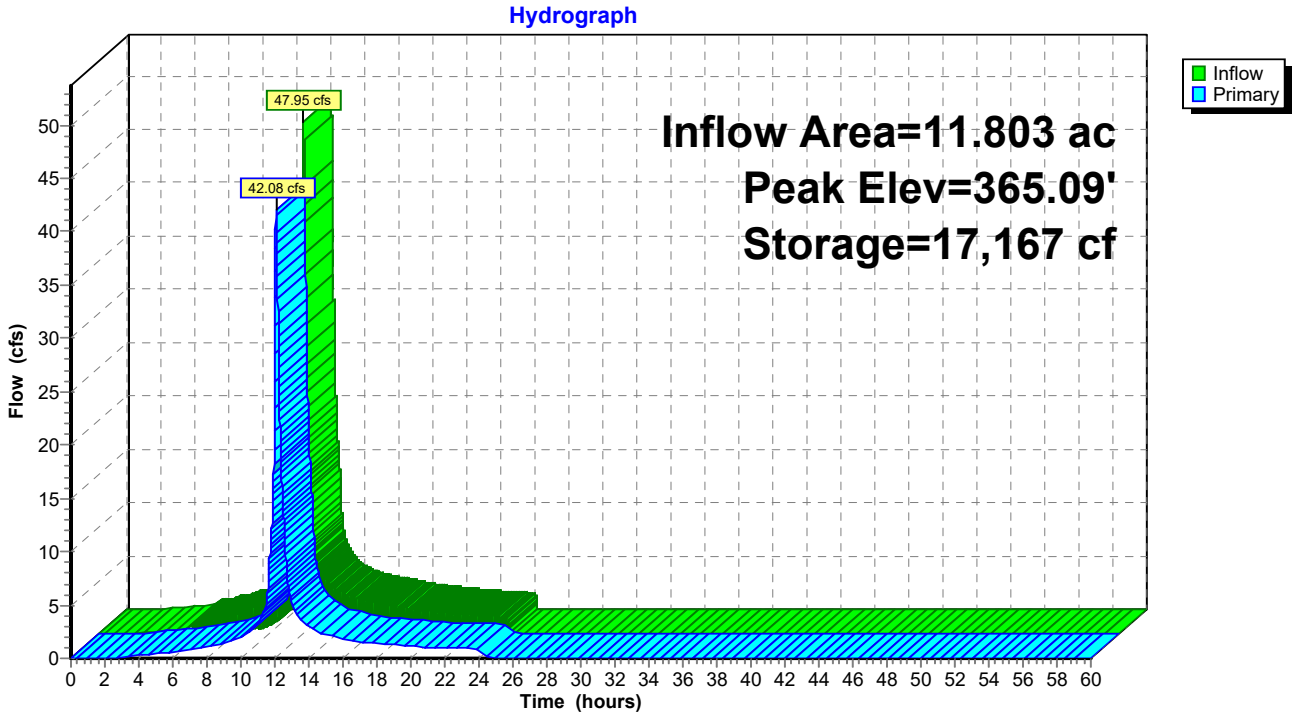
Volume	Invert	Avail.Storage	Storage Description
#1	361.00'	62,463 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
361.00	2,571	498.0	0	0	2,571
362.00	3,090	510.0	2,827	2,827	3,658
363.00	3,624	522.0	3,353	6,180	4,770
364.00	4,172	534.0	3,895	10,075	5,908
365.00	8,742	623.0	6,318	16,392	14,123
366.00	10,098	647.0	9,412	25,804	16,630
367.00	11,501	664.0	10,792	36,596	18,521
368.00	12,933	679.0	12,210	48,806	20,259
369.00	14,394	695.0	13,657	62,463	22,139

Device	Routing	Invert	Outlet Devices
#1	Primary	364.10'	**6.0" Vert. WQv X 8.00** C= 0.600
#2	Primary	364.10'	**60.0 deg x 11.0' long x 4.75' rise 10-yr** Cv= 2.53 (C= 3.16)

Primary OutFlow Max=42.03 cfs @ 12.08 hrs HW=365.09' TW=0.00' (Dynamic Tailwater)
1=WQv (Orifice Controls 6.49 cfs @ 4.13 fps)
2=10-yr (Weir Controls 35.53 cfs @ 3.11 fps)

Pond 6P: Pond


Hydrograph
Inflow
Primary
47.95 cfs
42.08 cfs
Inflow Area=11.803 ac
Peak Elev=365.09'
Storage=17,167 cf
Flow (cfs)
0
5
10
15
20
25
30
35
40
45
50
Time (hours)
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60

Summary for Pond 10P: WQU69

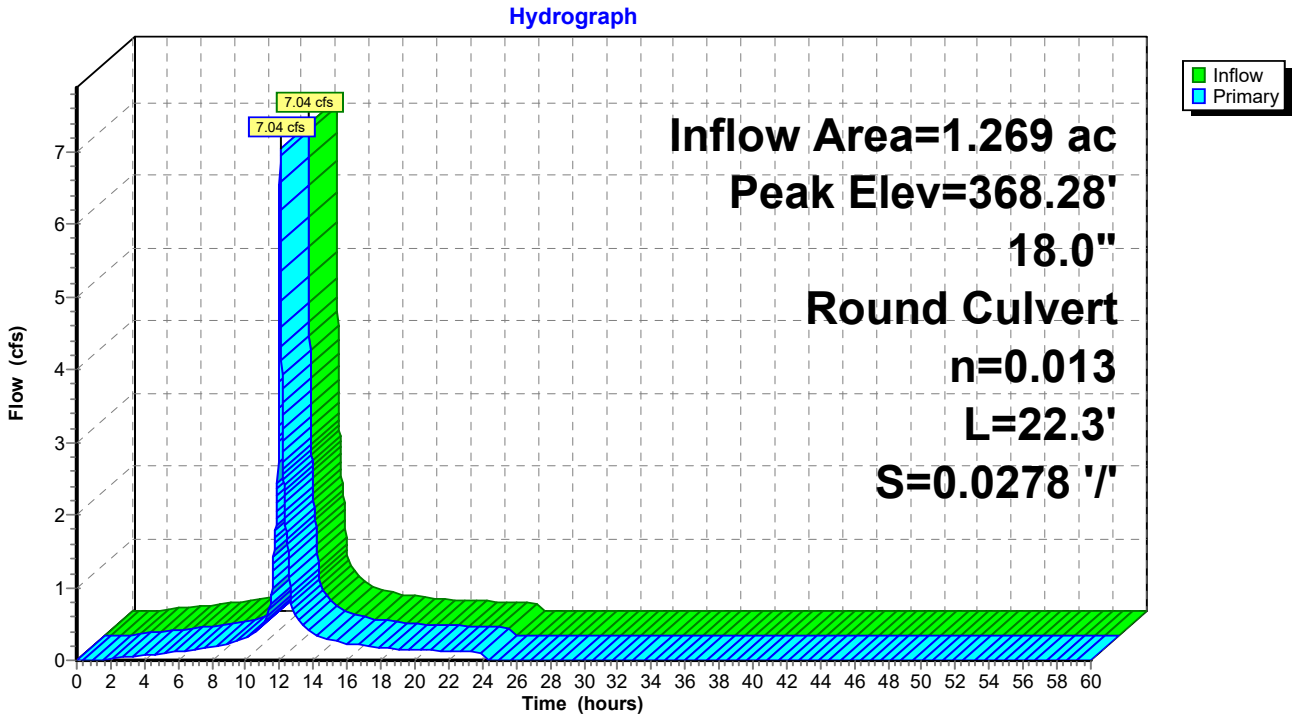
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 5.55" for 25-yr event
Inflow = 7.04 cfs @ 12.04 hrs, Volume= 0.587 af
Outflow = 7.04 cfs @ 12.04 hrs, Volume= 0.587 af, Atten= 0%, Lag= 0.0 min
Primary = 7.04 cfs @ 12.04 hrs, Volume= 0.587 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.28' @ 12.04 hrs
Flood Elev= 369.42'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.43'	**18.0" Round Culvert** L= 22.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.43' / 365.81' S= 0.0278 '/' Cc= 0.900 n= 0.013 Concrete pipe, bends & connections, Flow Area= 1.77 sf

Primary OutFlow Max=7.02 cfs @ 12.04 hrs HW=368.27' TW=365.01' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.02 cfs @ 3.97 fps)

Pond 10P: WQU69



Summary for Pond 52P: CB2

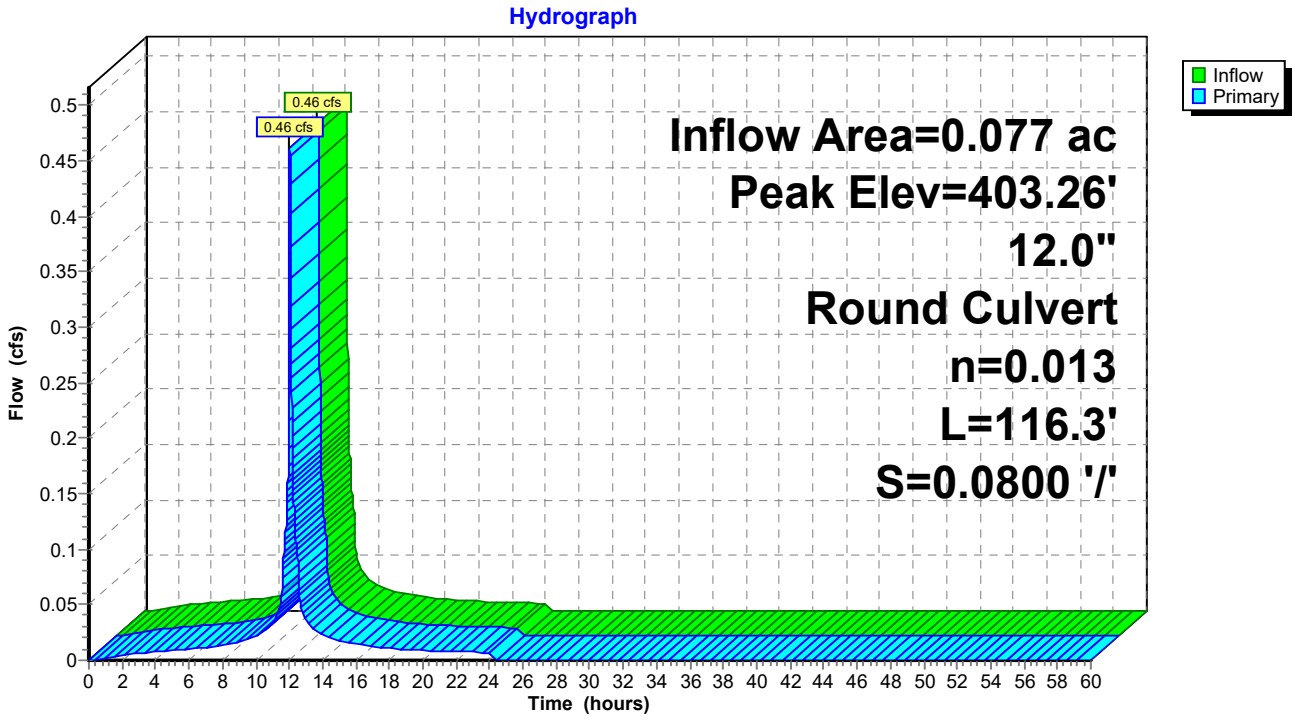
Inflow Area = 0.077 ac,100.00% Impervious, Inflow Depth = 6.04" for 25-yr event
Inflow = 0.46 cfs @ 12.04 hrs, Volume= 0.039 af
Outflow = 0.46 cfs @ 12.04 hrs, Volume= 0.039 af, Atten= 0%, Lag= 0.0 min
Primary = 0.46 cfs @ 12.04 hrs, Volume= 0.039 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.26' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	402.88'	**12.0" Round Culvert** L= 116.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 402.88' / 393.58' S= 0.0800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.46 cfs @ 12.04 hrs HW=403.26' TW=394.34' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.46 cfs @ 1.66 fps)

Pond 52P: CB2



Summary for Pond 53P: CB1

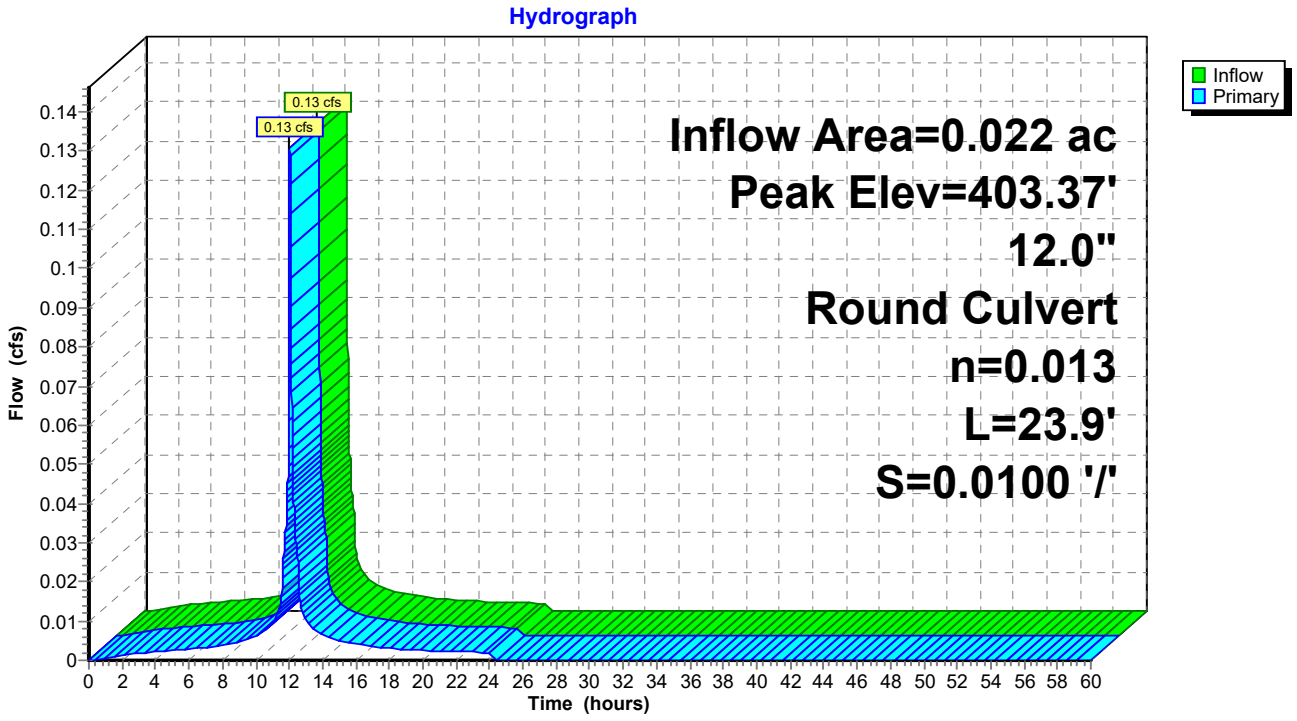
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth = 6.04" for 25-yr event
Inflow = 0.13 cfs @ 12.04 hrs, Volume= 0.011 af
Outflow = 0.13 cfs @ 12.04 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.04 hrs, Volume= 0.011 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.37' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	403.12'	**12.0" Round Culvert** L= 23.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 403.12' / 402.88' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.04 hrs HW=403.37' TW=403.26' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.13 cfs @ 1.29 fps)

Pond 53P: CB1



Summary for Pond 54P: CB3

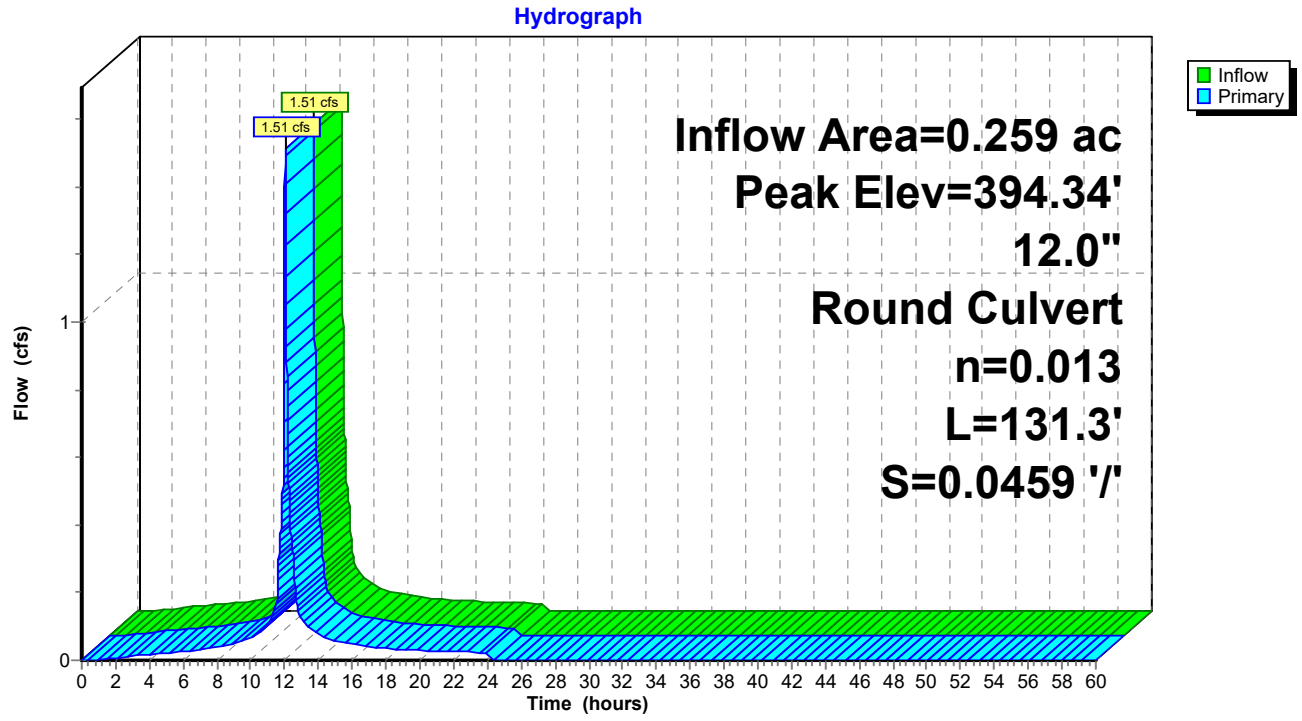
Inflow Area = 0.259 ac, 85.57% Impervious, Inflow Depth = 5.63" for 25-yr event
Inflow = 1.51 cfs @ 12.04 hrs, Volume= 0.122 af
Outflow = 1.51 cfs @ 12.04 hrs, Volume= 0.122 af, Atten= 0%, Lag= 0.0 min
Primary = 1.51 cfs @ 12.04 hrs, Volume= 0.122 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 394.34' @ 12.04 hrs
Flood Elev= 398.26'

Device	Routing	Invert	Outlet Devices
#1	Primary	393.58'	**12.0" Round Culvert** L= 131.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 393.58' / 387.55' S= 0.0459 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.50 cfs @ 12.04 hrs HW=394.34' TW=388.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.50 cfs @ 2.35 fps)

Pond 54P: CB3



Summary for Pond 55P: CB11

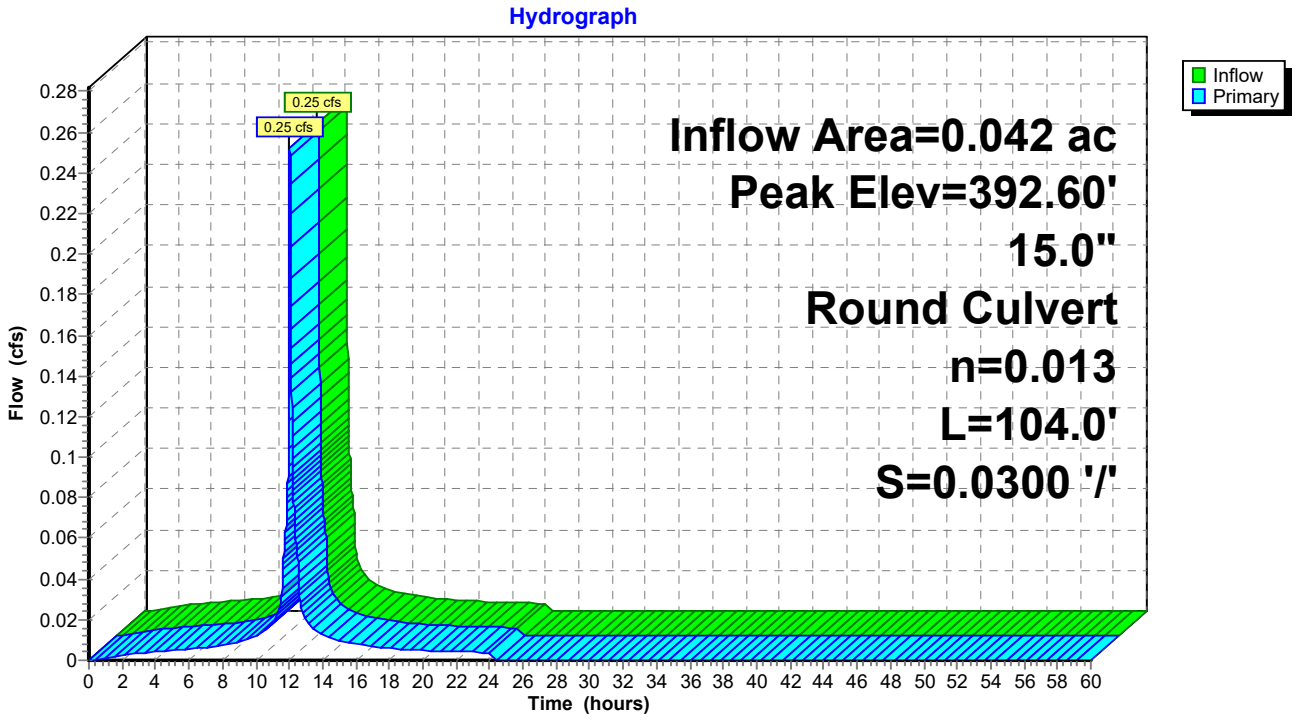
Inflow Area = 0.042 ac,100.00% Impervious, Inflow Depth = 6.04" for 25-yr event
Inflow = 0.25 cfs @ 12.04 hrs, Volume= 0.021 af
Outflow = 0.25 cfs @ 12.04 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.04 hrs, Volume= 0.021 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 392.60' @ 12.04 hrs
Flood Elev= 396.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	392.34'	**15.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 392.34' / 389.22' S= 0.0300 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.25 cfs @ 12.04 hrs HW=392.60' TW=390.10' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.25 cfs @ 1.37 fps)

Pond 55P: CB11



Summary for Pond 56P: CB12

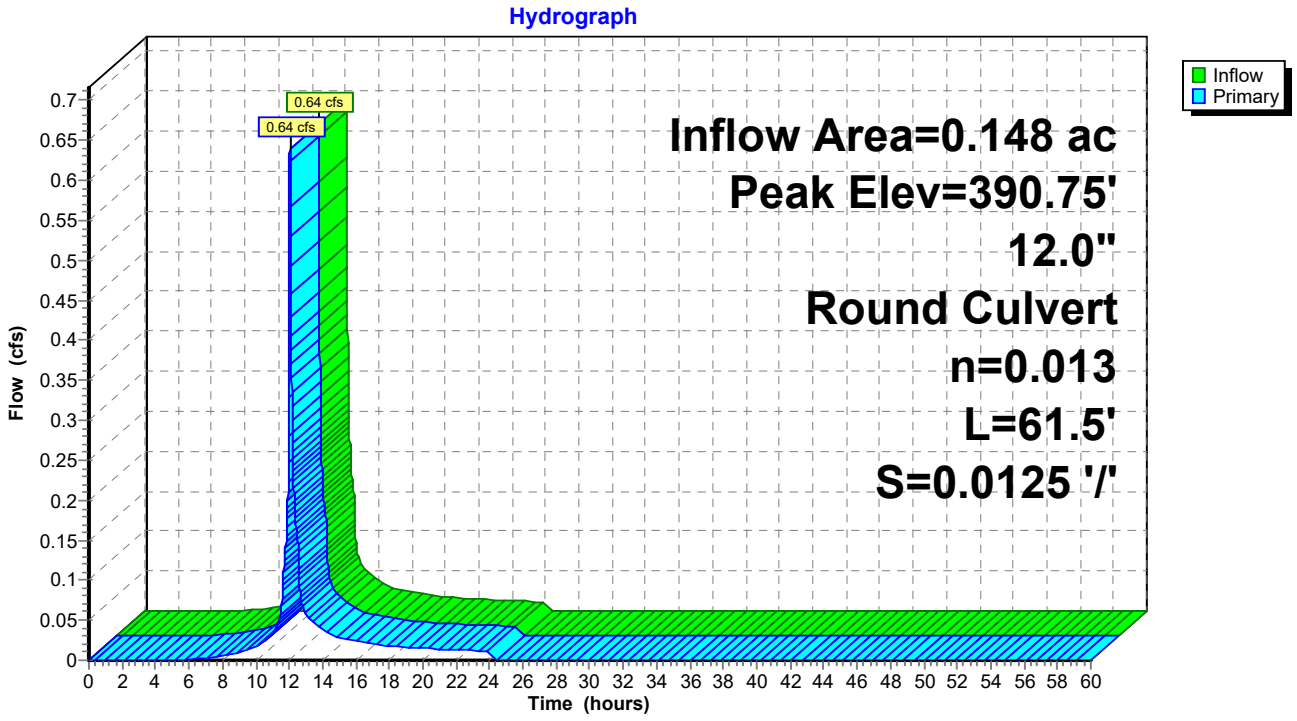
Inflow Area = 0.148 ac, 14.93% Impervious, Inflow Depth = 3.83" for 25-yr event
Inflow = 0.64 cfs @ 12.04 hrs, Volume= 0.047 af
Outflow = 0.64 cfs @ 12.04 hrs, Volume= 0.047 af, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.04 hrs, Volume= 0.047 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.75' @ 12.04 hrs
Flood Elev= 395.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	390.29'	**12.0" Round Culvert** L= 61.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 390.29' / 389.52' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.64 cfs @ 12.04 hrs HW=390.75' TW=390.10' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.64 cfs @ 1.82 fps)

Pond 56P: CB12



Summary for Pond 57P: CB13

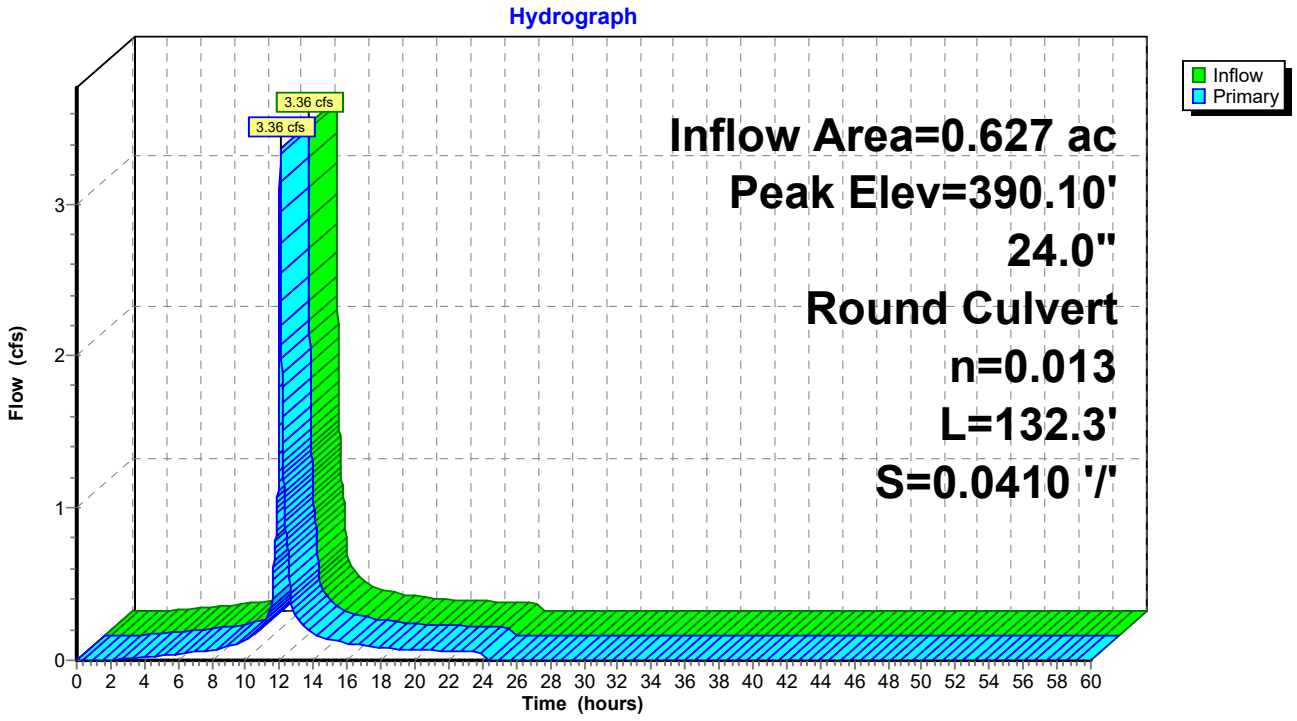
Inflow Area = 0.627 ac, 60.79% Impervious, Inflow Depth = 5.00" for 25-yr event
Inflow = 3.36 cfs @ 12.04 hrs, Volume= 0.262 af
Outflow = 3.36 cfs @ 12.04 hrs, Volume= 0.262 af, Atten= 0%, Lag= 0.0 min
Primary = 3.36 cfs @ 12.04 hrs, Volume= 0.262 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.10' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.22'	**24.0" Round Culvert** L= 132.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.22' / 383.79' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.36 cfs @ 12.04 hrs HW=390.10' TW=385.84' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.36 cfs @ 2.52 fps)

Pond 57P: CB13



Summary for Pond 58P: CB39

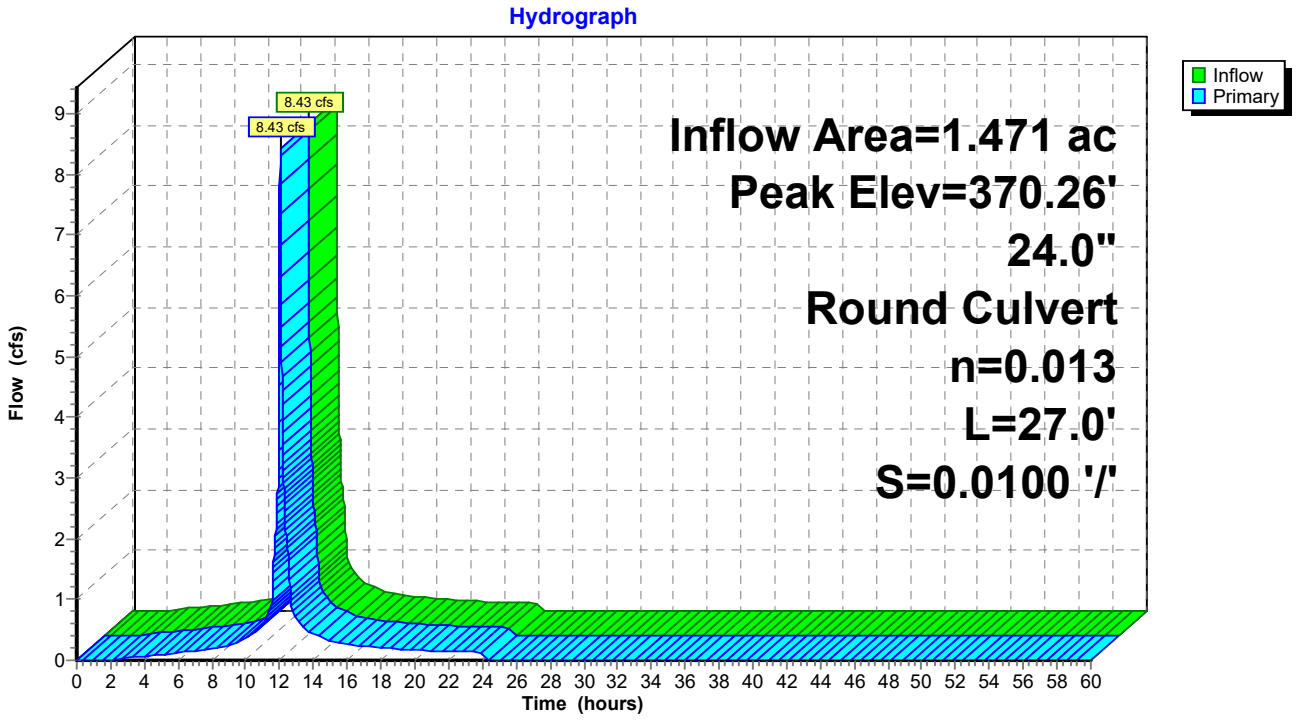
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 5.42" for 25-yr event
Inflow = 8.43 cfs @ 12.04 hrs, Volume= 0.664 af
Outflow = 8.43 cfs @ 12.04 hrs, Volume= 0.664 af, Atten= 0%, Lag= 0.0 min
Primary = 8.43 cfs @ 12.04 hrs, Volume= 0.664 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.26' @ 13.00 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.71'	**24.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.71' / 367.44' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.40 cfs @ 12.04 hrs HW=369.65' TW=369.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.40 cfs @ 2.70 fps)

Pond 58P: CB39



Summary for Pond 59P: CB14

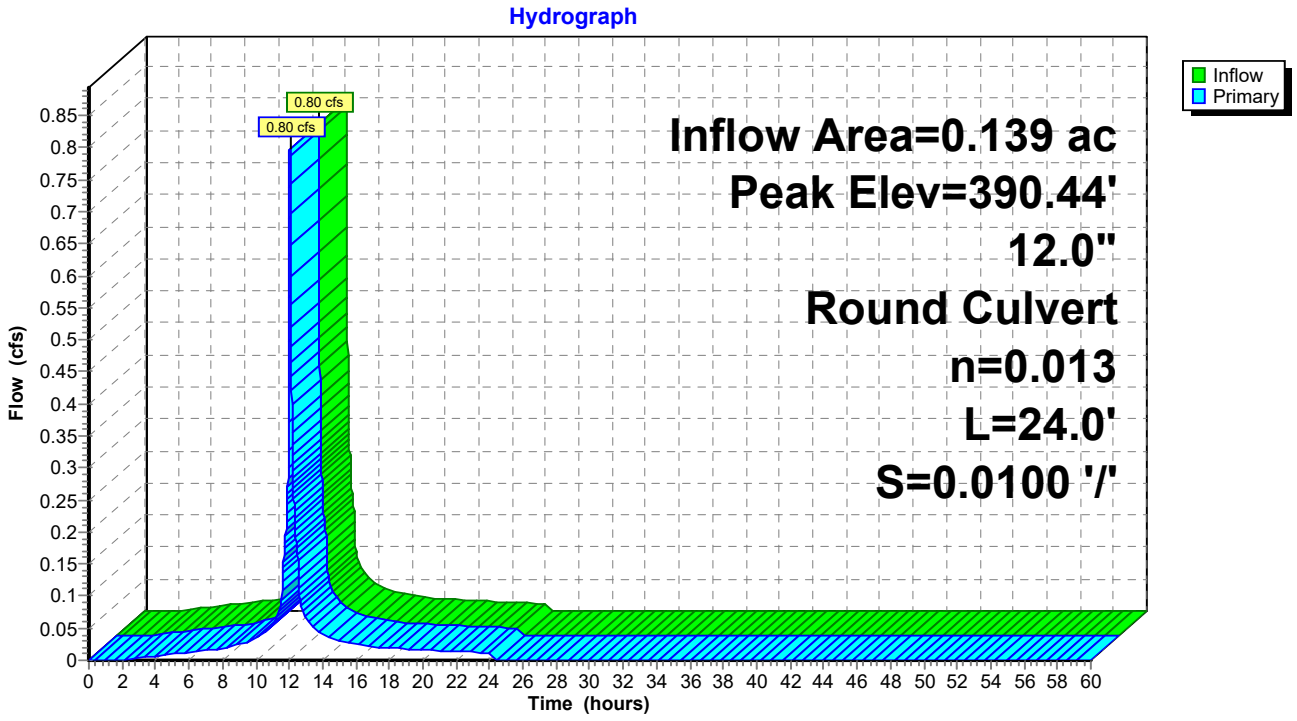
Inflow Area = 0.139 ac, 79.57% Impervious, Inflow Depth = 5.46" for 25-yr event
Inflow = 0.80 cfs @ 12.04 hrs, Volume= 0.063 af
Outflow = 0.80 cfs @ 12.04 hrs, Volume= 0.063 af, Atten= 0%, Lag= 0.0 min
Primary = 0.80 cfs @ 12.04 hrs, Volume= 0.063 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.44' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.92'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.92' / 389.68' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.80 cfs @ 12.04 hrs HW=390.44' TW=390.10' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.80 cfs @ 2.79 fps)

Pond 59P: CB14



Summary for Pond 60P: CB16

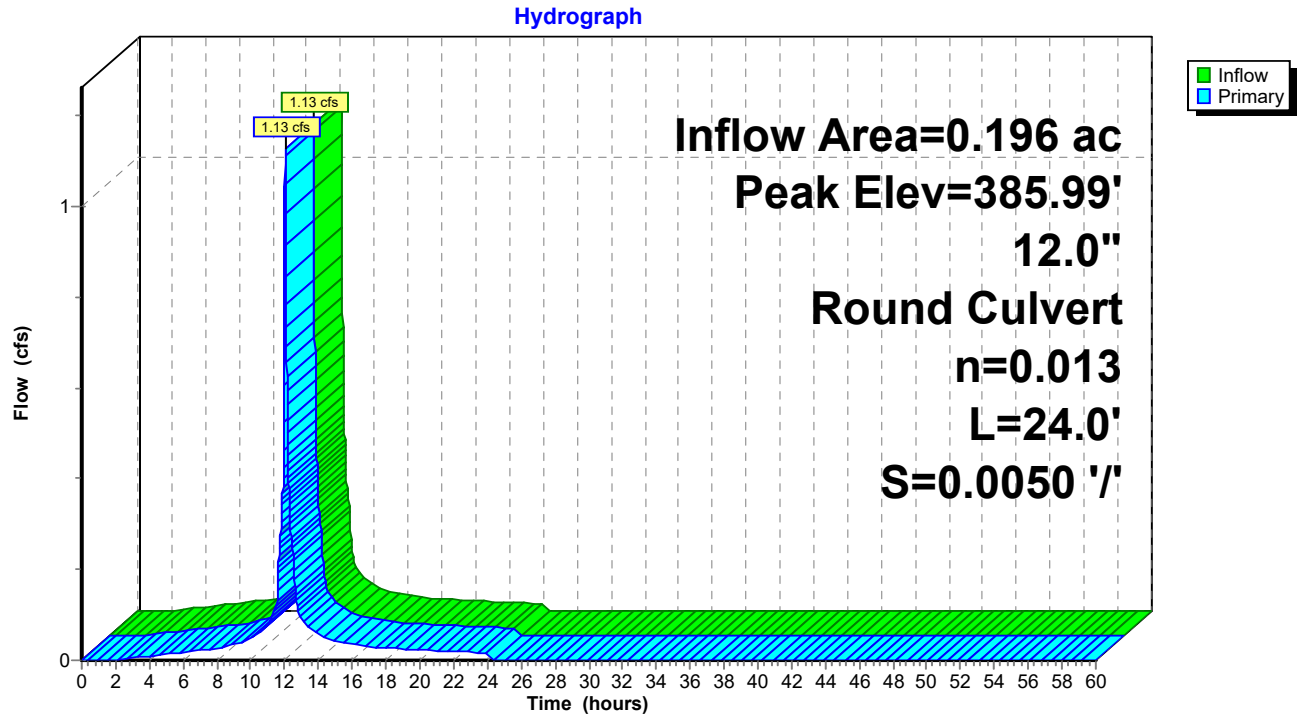
Inflow Area = 0.196 ac, 81.20% Impervious, Inflow Depth = 5.46" for 25-yr event
Inflow = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af
Outflow = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af, Atten= 0%, Lag= 0.0 min
Primary = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 385.99' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	384.16'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 384.16' / 384.04' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.12 cfs @ 12.04 hrs HW=385.99' TW=385.84' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.12 cfs @ 1.43 fps)

Pond 60P: CB16



Summary for Pond 61P: CB15

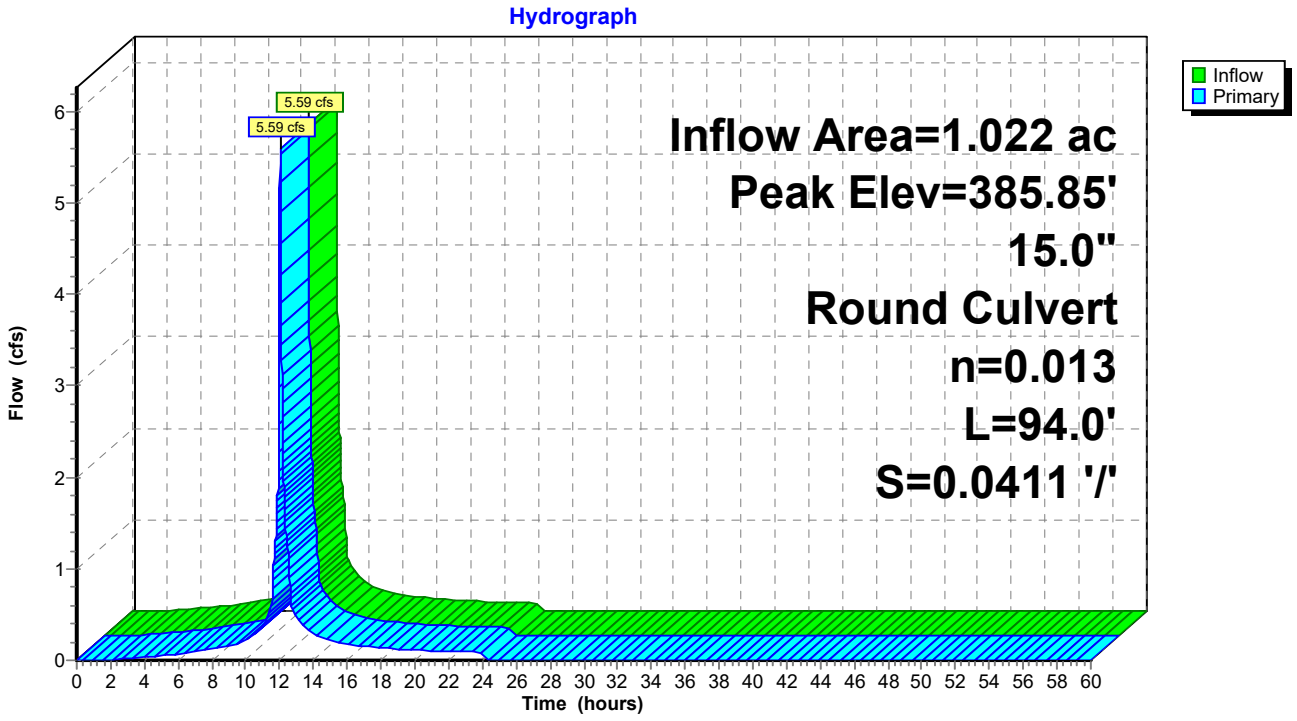
Inflow Area = 1.022 ac, 65.96% Impervious, Inflow Depth = 5.11" for 25-yr event
Inflow = 5.59 cfs @ 12.04 hrs, Volume= 0.436 af
Outflow = 5.59 cfs @ 12.04 hrs, Volume= 0.436 af, Atten= 0%, Lag= 0.0 min
Primary = 5.59 cfs @ 12.04 hrs, Volume= 0.436 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 385.85' @ 12.04 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	383.79'	**15.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 383.79' / 379.93' S= 0.0411 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.58 cfs @ 12.04 hrs HW=385.84' TW=381.54' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.58 cfs @ 4.54 fps)

Pond 61P: CB15



Summary for Pond 62P: CB18

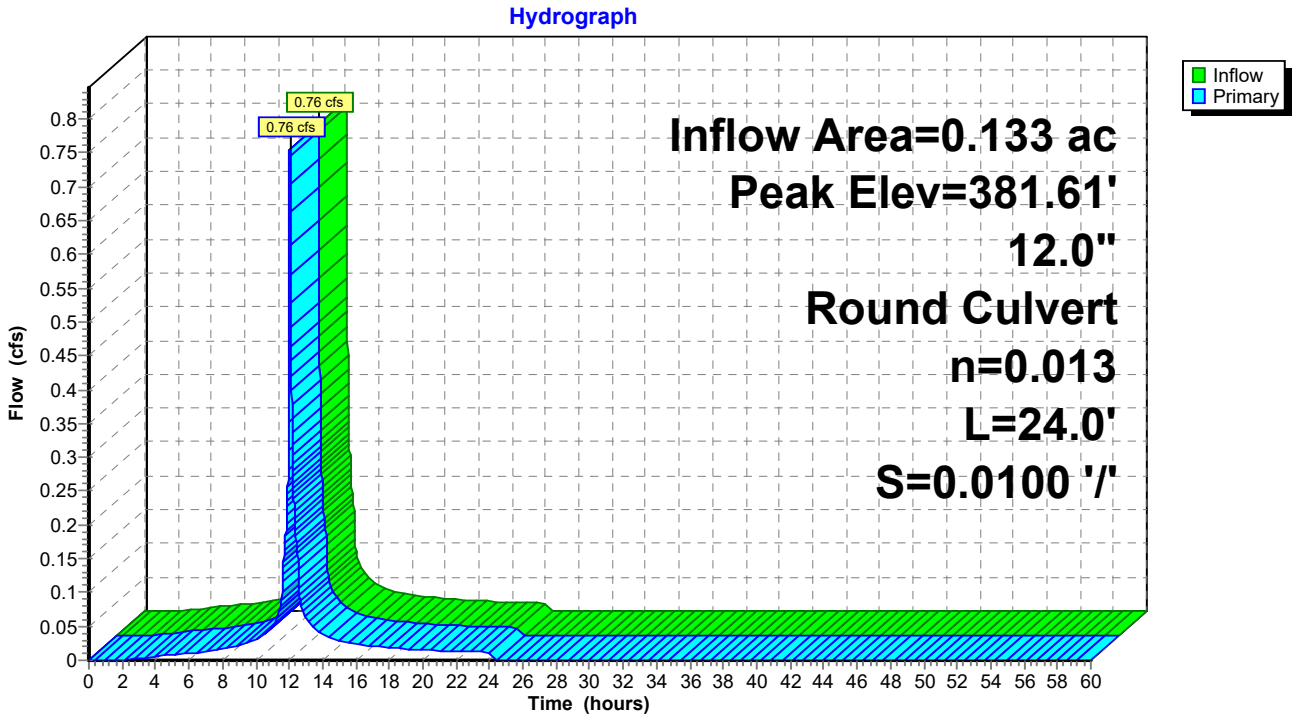
Inflow Area = 0.133 ac, 74.92% Impervious, Inflow Depth = 5.34" for 25-yr event
Inflow = 0.76 cfs @ 12.04 hrs, Volume= 0.059 af
Outflow = 0.76 cfs @ 12.04 hrs, Volume= 0.059 af, Atten= 0%, Lag= 0.0 min
Primary = 0.76 cfs @ 12.04 hrs, Volume= 0.059 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.61' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.42'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.42' / 380.18' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.75 cfs @ 12.04 hrs HW=381.60' TW=381.54' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.75 cfs @ 0.96 fps)

Pond 62P: CB18



Summary for Pond 63P: CB17

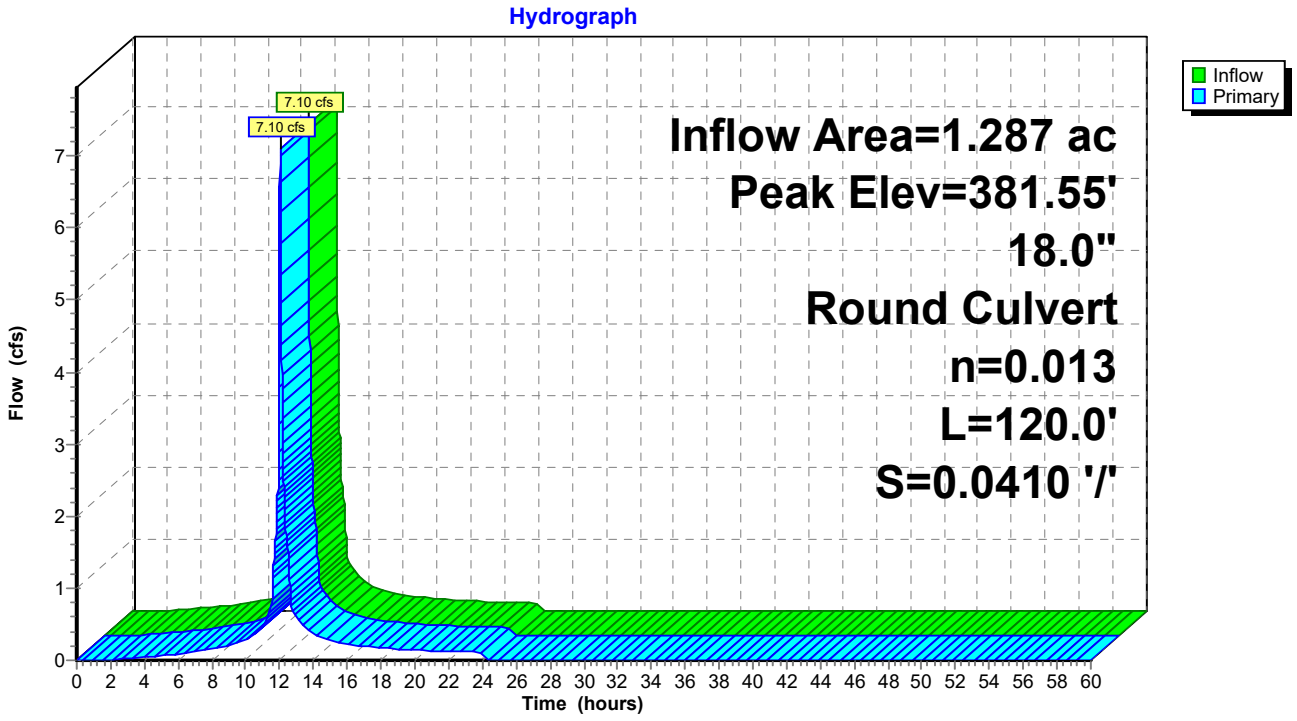
Inflow Area = 1.287 ac, 68.00% Impervious, Inflow Depth = 5.16" for 25-yr event
Inflow = 7.10 cfs @ 12.04 hrs, Volume= 0.554 af
Outflow = 7.10 cfs @ 12.04 hrs, Volume= 0.554 af, Atten= 0%, Lag= 0.0 min
Primary = 7.10 cfs @ 12.04 hrs, Volume= 0.554 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.55' @ 12.04 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	379.68'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 379.68' / 374.76' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=7.08 cfs @ 12.04 hrs HW=381.54' TW=378.55' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.08 cfs @ 4.01 fps)

Pond 63P: CB17



Summary for Pond 64P: CB20

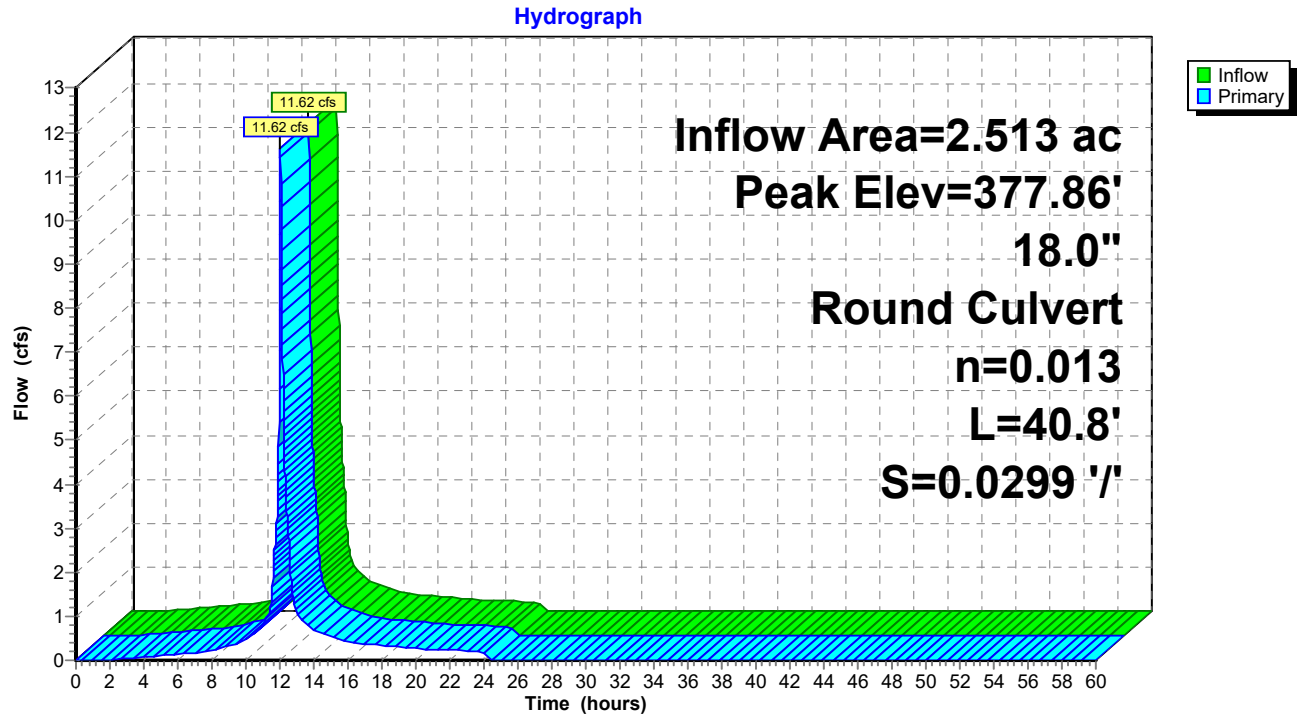
Inflow Area = 2.513 ac, 57.69% Impervious, Inflow Depth = 4.76" for 25-yr event
Inflow = 11.62 cfs @ 12.04 hrs, Volume= 0.997 af
Outflow = 11.62 cfs @ 12.04 hrs, Volume= 0.997 af, Atten= 0%, Lag= 0.0 min
Primary = 11.62 cfs @ 12.04 hrs, Volume= 0.997 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 377.86' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.30'	**18.0" Round Culvert** L= 40.8' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.30' / 372.08' S= 0.0299 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=11.60 cfs @ 12.04 hrs HW=377.85' TW=374.87' (Dynamic Tailwater)
1=Culvert (Inlet Controls 11.60 cfs @ 6.56 fps)

Pond 64P: CB20



Summary for Pond 65P: CB19

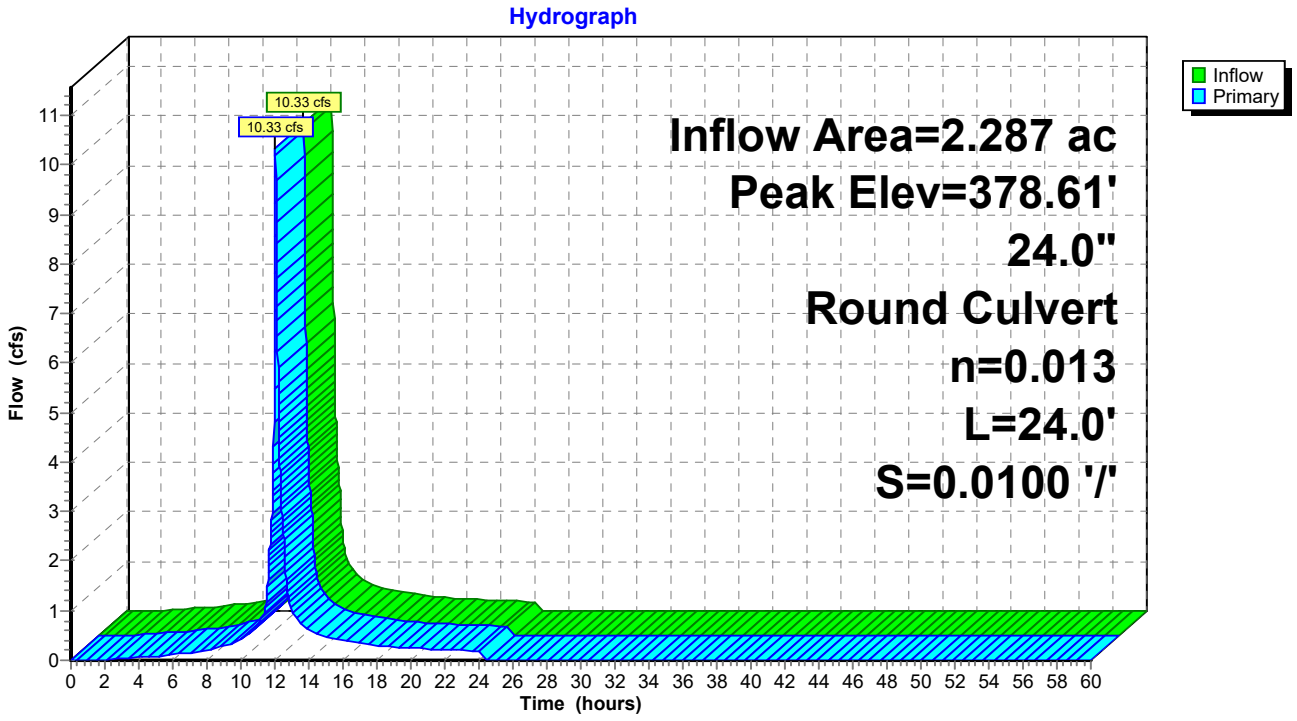
Inflow Area = 2.287 ac, 55.54% Impervious, Inflow Depth = 4.69" for 25-yr event
Inflow = 10.33 cfs @ 12.04 hrs, Volume= 0.894 af
Outflow = 10.33 cfs @ 12.04 hrs, Volume= 0.894 af, Atten= 0%, Lag= 0.0 min
Primary = 10.33 cfs @ 12.04 hrs, Volume= 0.894 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.61' @ 12.04 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	375.00'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 375.00' / 374.76' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.31 cfs @ 12.04 hrs HW=378.59' TW=377.84' (Dynamic Tailwater)
1=Culvert (Inlet Controls 10.31 cfs @ 3.28 fps)

Pond 65P: CB19



Summary for Pond 66P: CB21

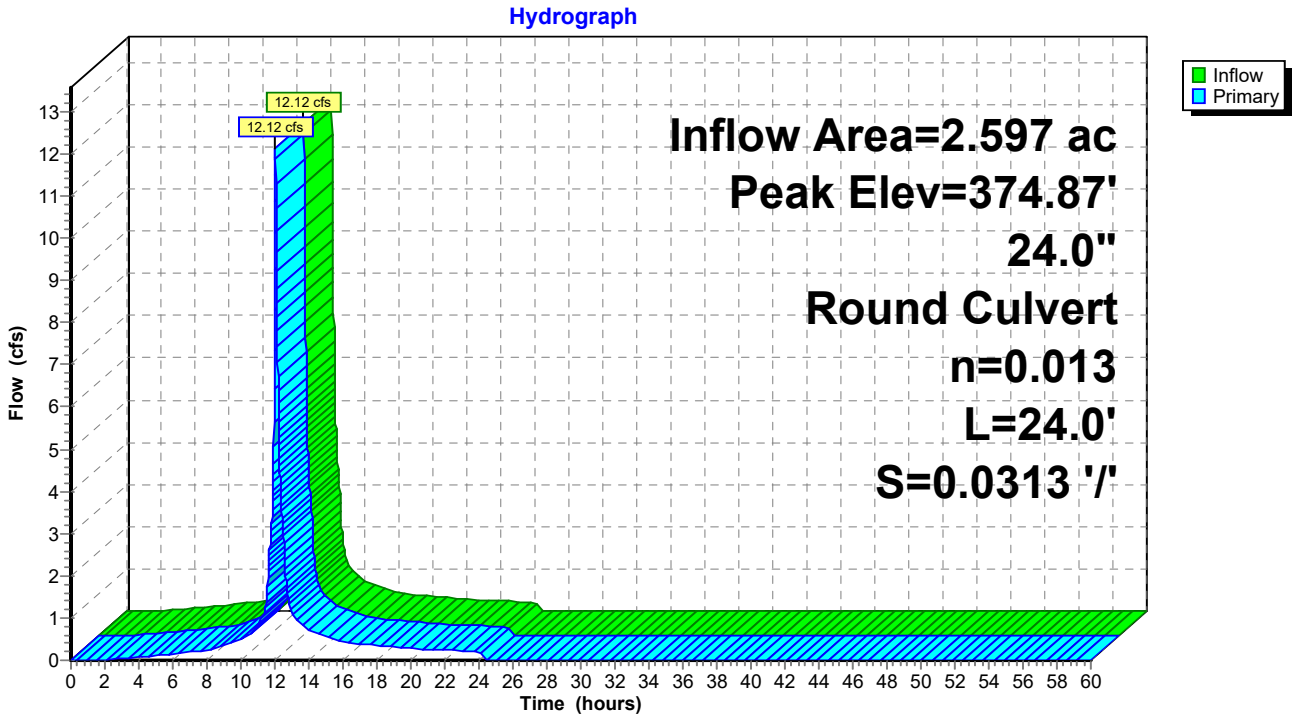
Inflow Area = 2.597 ac, 58.97% Impervious, Inflow Depth = 4.80" for 25-yr event
Inflow = 12.12 cfs @ 12.04 hrs, Volume= 1.038 af
Outflow = 12.12 cfs @ 12.04 hrs, Volume= 1.038 af, Atten= 0%, Lag= 0.0 min
Primary = 12.12 cfs @ 12.04 hrs, Volume= 1.038 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.87' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	372.84'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 372.84' / 372.09' S= 0.0313 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.10 cfs @ 12.04 hrs HW=374.87' TW=373.79' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.10 cfs @ 3.85 fps)

Pond 66P: CB21



Summary for Pond 67P: CB22

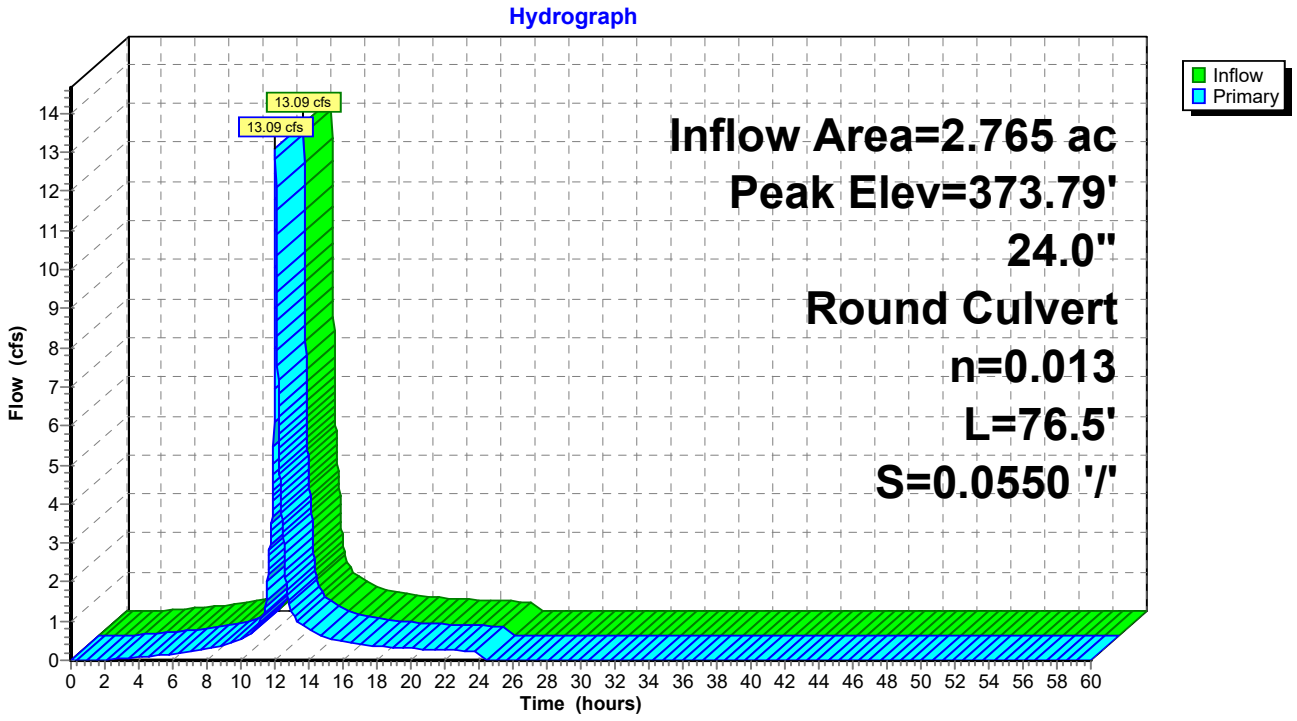
Inflow Area = 2.765 ac, 60.35% Impervious, Inflow Depth = 4.84" for 25-yr event
Inflow = 13.09 cfs @ 12.04 hrs, Volume= 1.116 af
Outflow = 13.09 cfs @ 12.04 hrs, Volume= 1.116 af, Atten= 0%, Lag= 0.0 min
Primary = 13.09 cfs @ 12.04 hrs, Volume= 1.116 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 373.79' @ 12.04 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.59'	**24.0" Round Culvert** L= 76.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.59' / 367.38' S= 0.0550 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.07 cfs @ 12.04 hrs HW=373.79' TW=370.24' (Dynamic Tailwater)
1=Culvert (Inlet Controls 13.07 cfs @ 4.16 fps)

Pond 67P: CB22



Summary for Pond 68P: CB28

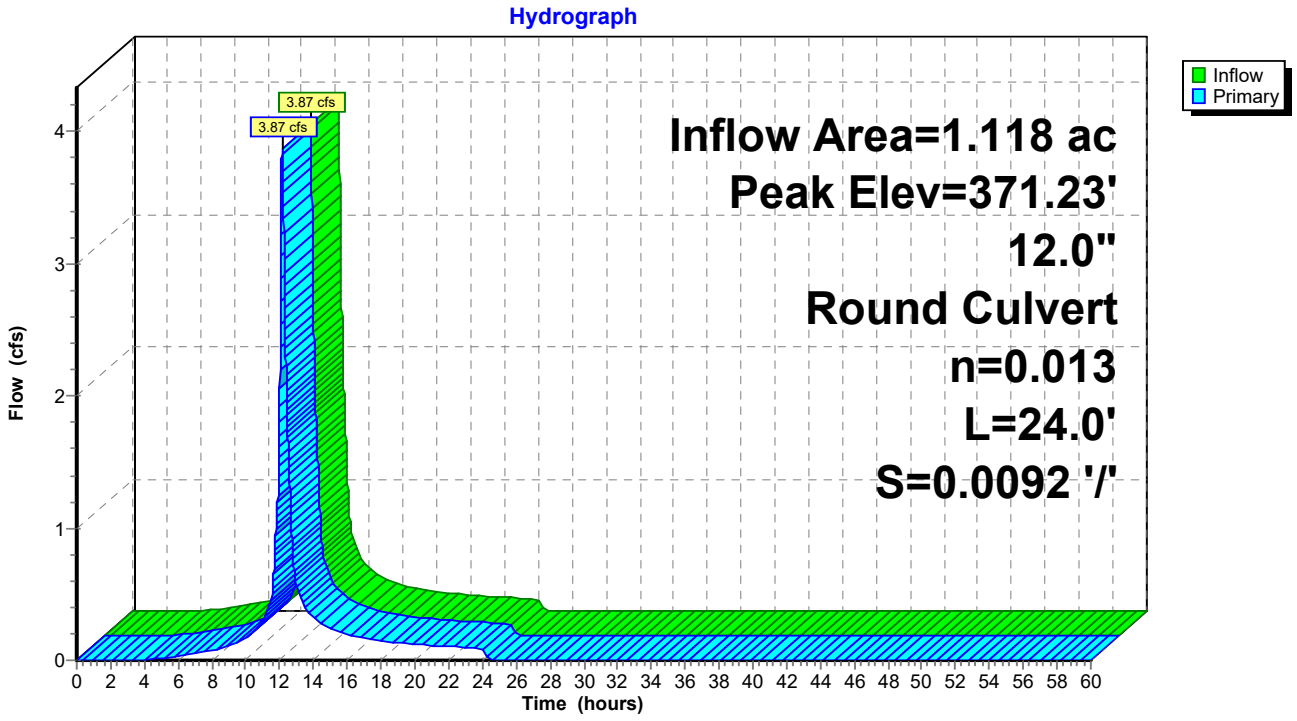
Inflow Area = 1.118 ac, 42.01% Impervious, Inflow Depth = 4.49" for 25-yr event
Inflow = 3.87 cfs @ 12.16 hrs, Volume= 0.418 af
Outflow = 3.87 cfs @ 12.16 hrs, Volume= 0.418 af, Atten= 0%, Lag= 0.0 min
Primary = 3.87 cfs @ 12.16 hrs, Volume= 0.418 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.23' @ 12.12 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.85'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.85' / 368.63' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.87 cfs @ 12.16 hrs HW=371.11' TW=369.43' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.87 cfs @ 4.93 fps)

Pond 68P: CB28



Summary for Pond 69P: CB26

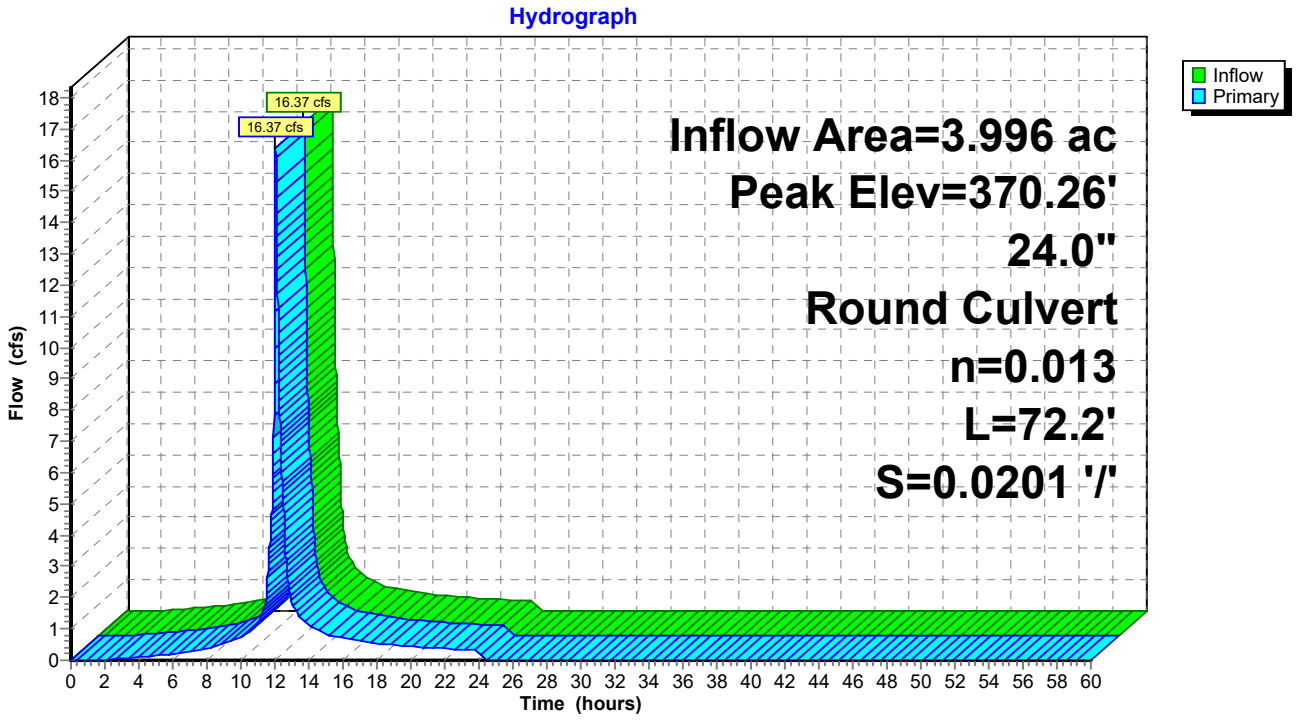
Inflow Area = 3.996 ac, 55.78% Impervious, Inflow Depth = 4.76" for 25-yr event
Inflow = 16.37 cfs @ 12.05 hrs, Volume= 1.586 af
Outflow = 16.37 cfs @ 12.05 hrs, Volume= 1.586 af, Atten= 0%, Lag= 0.0 min
Primary = 16.37 cfs @ 12.05 hrs, Volume= 1.586 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.26' @ 12.05 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.38'	**24.0" Round Culvert** L= 72.2' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.38' / 365.93' S= 0.0201 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.34 cfs @ 12.05 hrs HW=370.25' TW=367.76' (Dynamic Tailwater)
↳**1=Culvert** (Inlet Controls 16.34 cfs @ 5.20 fps)

Pond 69P: CB26



Summary for Pond 70P: CB29

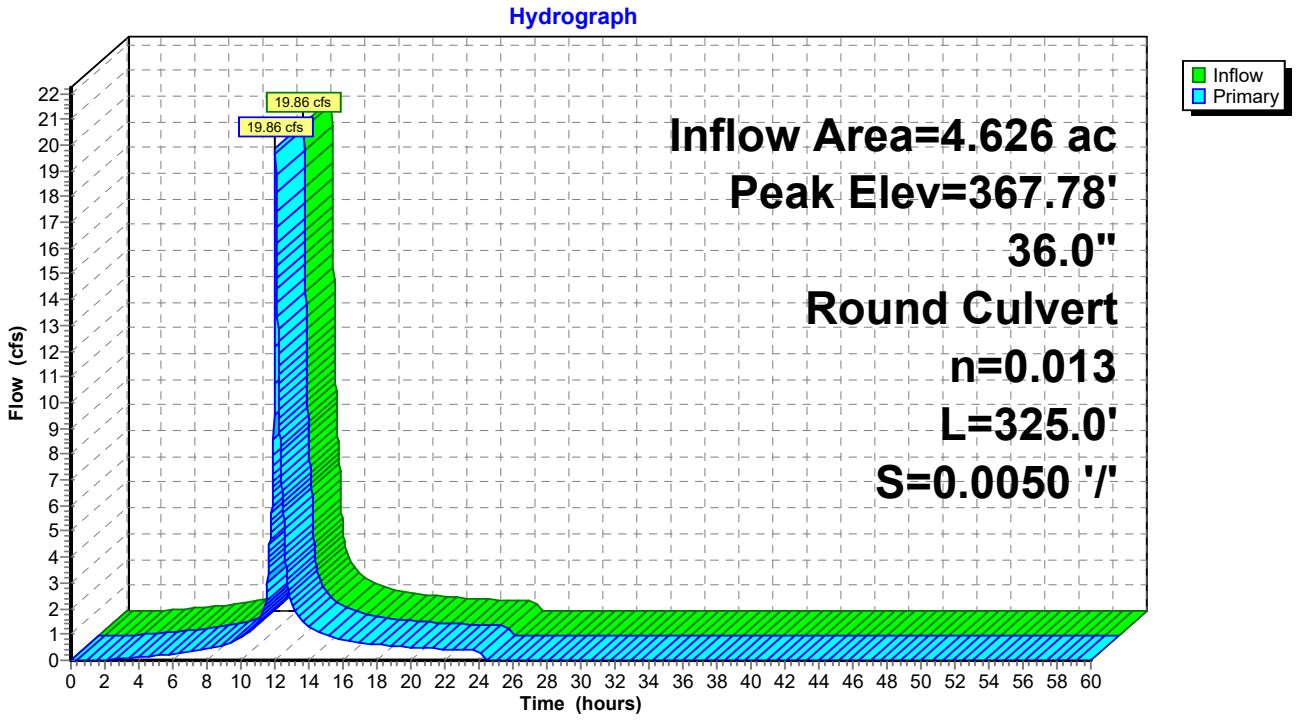
Inflow Area = 4.626 ac, 57.99% Impervious, Inflow Depth = 4.83" for 25-yr event
Inflow = 19.86 cfs @ 12.05 hrs, Volume= 1.862 af
Outflow = 19.86 cfs @ 12.05 hrs, Volume= 1.862 af, Atten= 0%, Lag= 0.0 min
Primary = 19.86 cfs @ 12.05 hrs, Volume= 1.862 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.78' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	364.93'	**36.0" Round Culvert** L= 325.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 364.93' / 363.31' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.40 cfs @ 12.05 hrs HW=367.75' TW=366.97' (Dynamic Tailwater)
1=Culvert (Outlet Controls 19.40 cfs @ 3.65 fps)

Pond 70P: CB29



Summary for Pond 71P: CB30

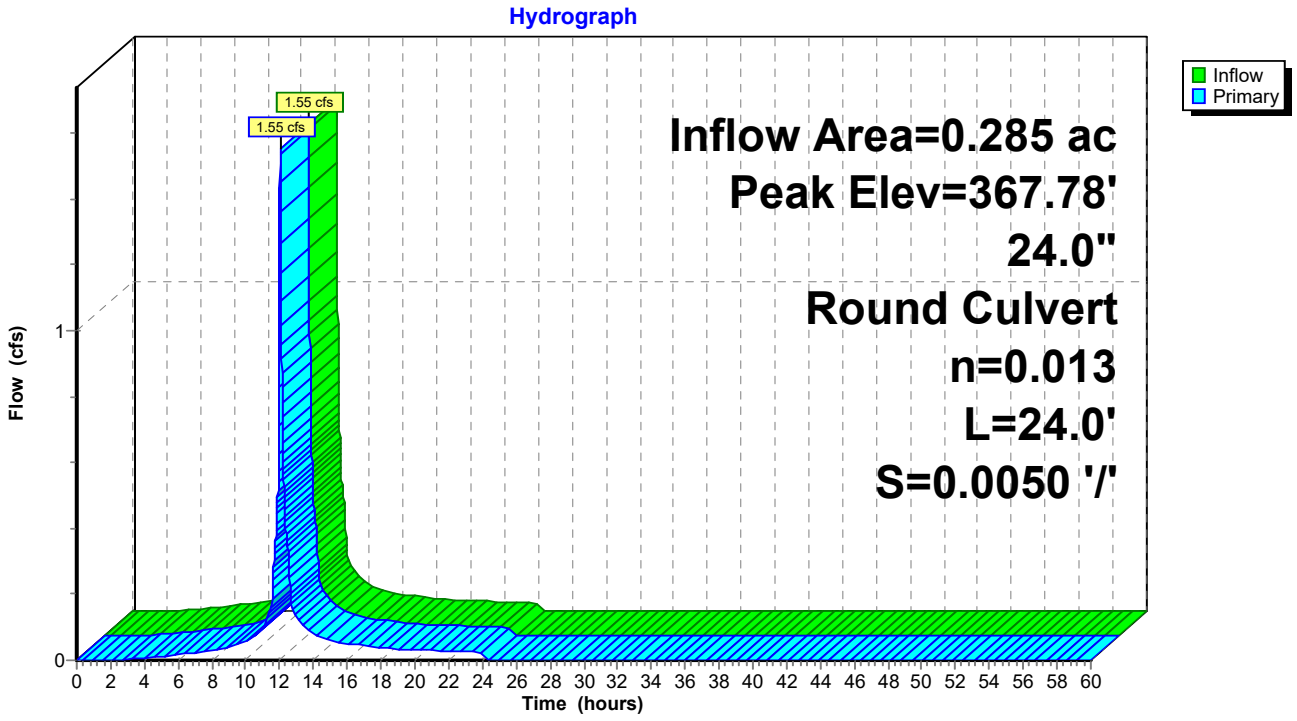
Inflow Area = 0.285 ac, 61.49% Impervious, Inflow Depth = 5.01" for 25-yr event
Inflow = 1.55 cfs @ 12.04 hrs, Volume= 0.119 af
Outflow = 1.55 cfs @ 12.04 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.55 cfs @ 12.04 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.78' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.05'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.05' / 365.93' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=1.16 cfs @ 12.04 hrs HW=367.71' TW=367.70' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.16 cfs @ 0.42 fps)

Pond 71P: CB30



Summary for Pond 72P: CB27

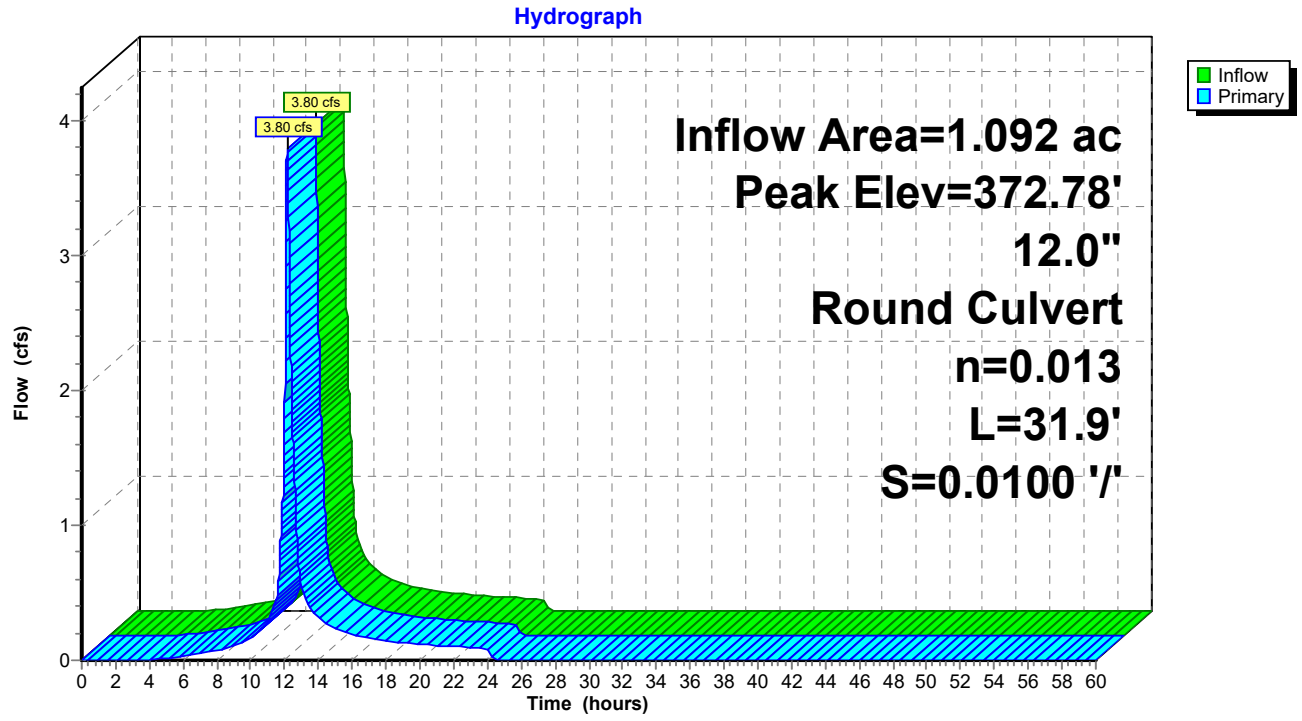
Inflow Area = 1.092 ac, 40.96% Impervious, Inflow Depth = 4.46" for 25-yr event
Inflow = 3.80 cfs @ 12.16 hrs, Volume= 0.406 af
Outflow = 3.80 cfs @ 12.16 hrs, Volume= 0.406 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.16 hrs, Volume= 0.406 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 372.78' @ 12.14 hrs
Flood Elev= 373.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.27'	**12.0" Round Culvert** L= 31.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.27' / 368.95' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.80 cfs @ 12.16 hrs HW=372.72' TW=371.10' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.80 cfs @ 4.83 fps)

Pond 72P: CB27



Summary for Pond 73P: CB38

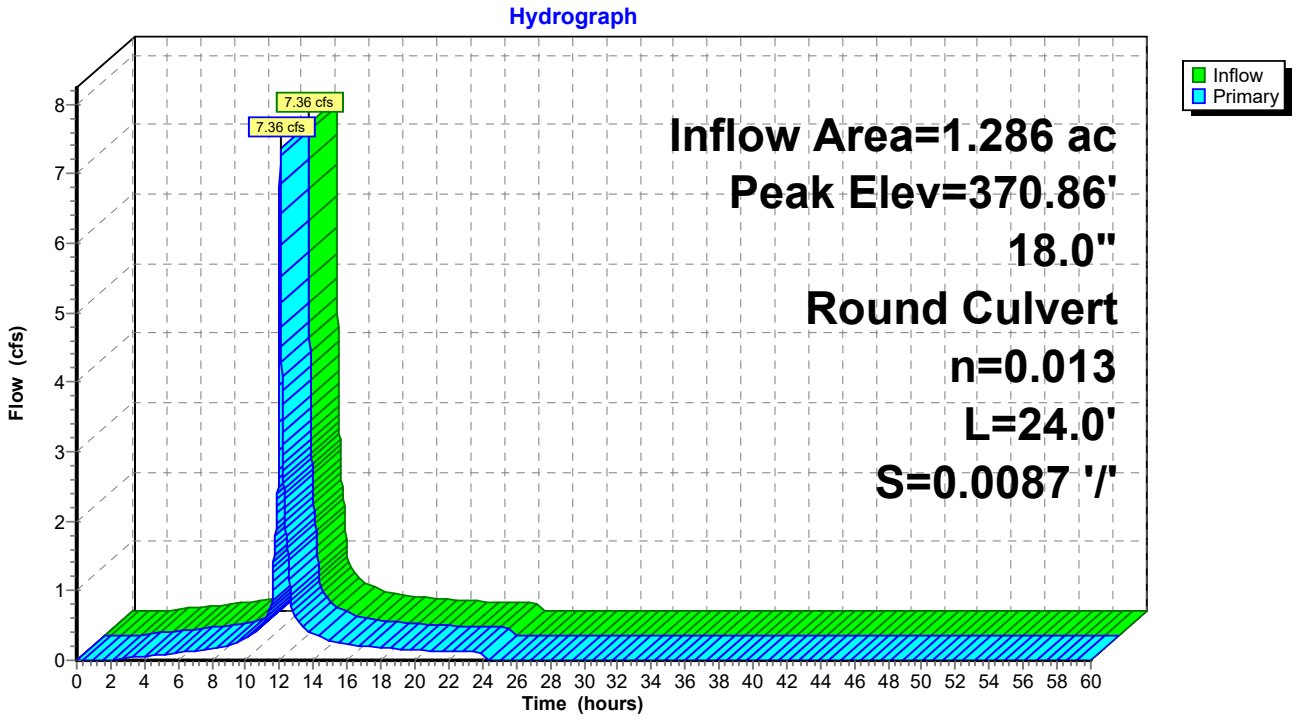
Inflow Area = 1.286 ac, 77.38% Impervious, Inflow Depth = 5.41" for 25-yr event
Inflow = 7.36 cfs @ 12.04 hrs, Volume= 0.580 af
Outflow = 7.36 cfs @ 12.04 hrs, Volume= 0.580 af, Atten= 0%, Lag= 0.0 min
Primary = 7.36 cfs @ 12.04 hrs, Volume= 0.580 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.86' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**18.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.74' S= 0.0087 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=7.34 cfs @ 12.04 hrs HW=370.84' TW=369.65' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.34 cfs @ 4.15 fps)

Pond 73P: CB38



Summary for Pond 74P: CB36

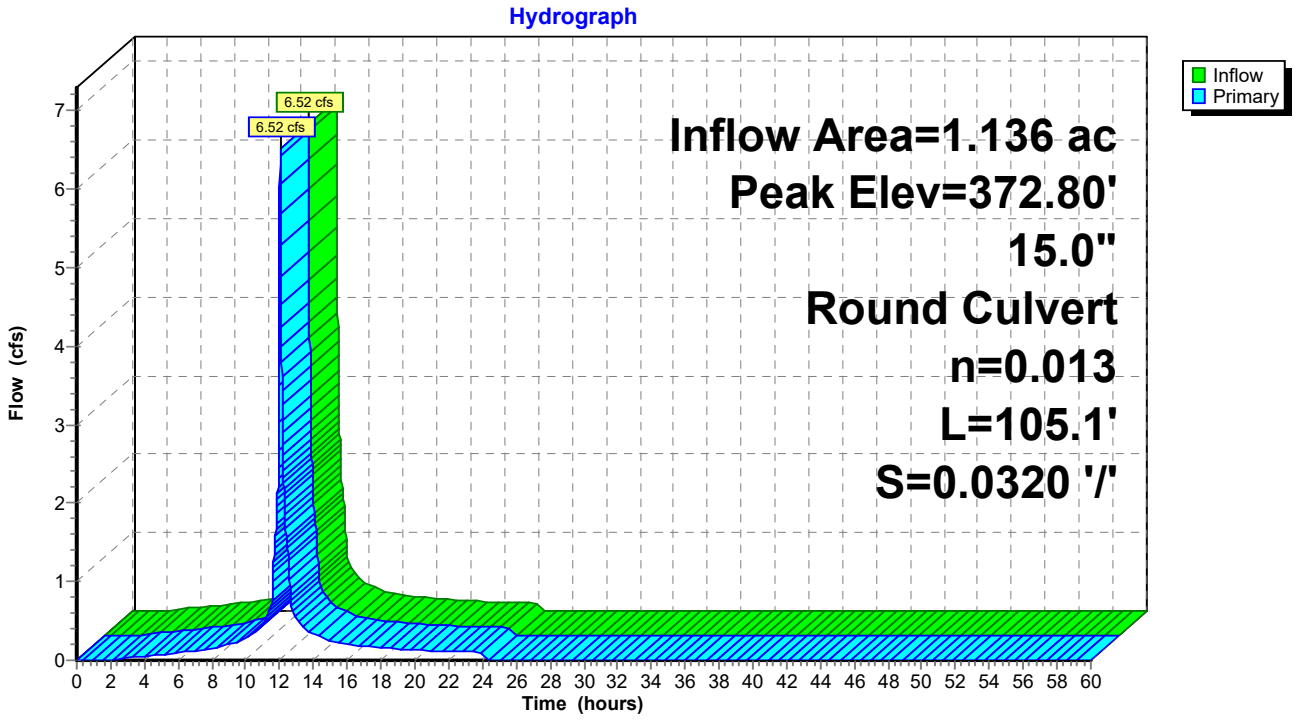
Inflow Area = 1.136 ac, 78.27% Impervious, Inflow Depth = 5.44" for 25-yr event
Inflow = 6.52 cfs @ 12.04 hrs, Volume= 0.515 af
Outflow = 6.52 cfs @ 12.04 hrs, Volume= 0.515 af, Atten= 0%, Lag= 0.0 min
Primary = 6.52 cfs @ 12.04 hrs, Volume= 0.515 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 372.80' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.20'	**15.0" Round Culvert** L= 105.1' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.20' / 366.84' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.49 cfs @ 12.04 hrs HW=372.78' TW=370.84' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.49 cfs @ 5.29 fps)

Pond 74P: CB36



Summary for Pond 75P: CB37

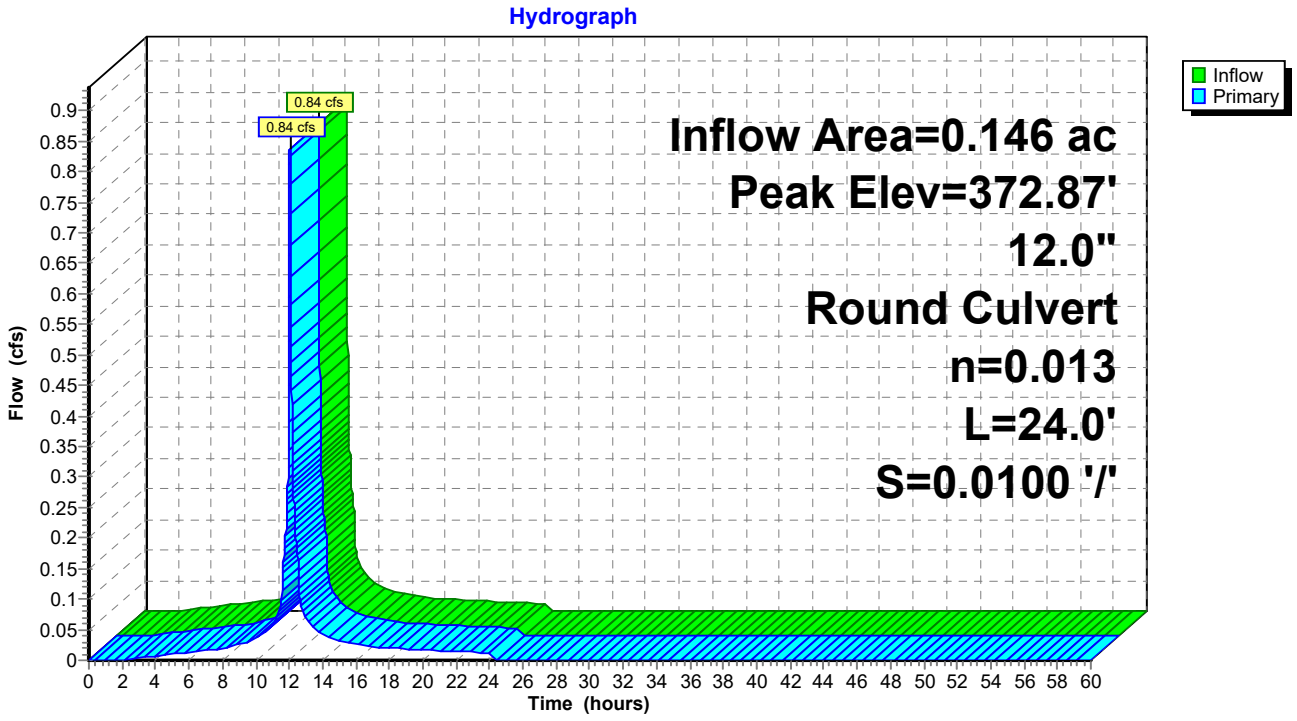
Inflow Area = 0.146 ac, 78.42% Impervious, Inflow Depth = 5.46" for 25-yr event
Inflow = 0.84 cfs @ 12.04 hrs, Volume= 0.066 af
Outflow = 0.84 cfs @ 12.04 hrs, Volume= 0.066 af, Atten= 0%, Lag= 0.0 min
Primary = 0.84 cfs @ 12.04 hrs, Volume= 0.066 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 372.87' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.39'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.39' / 371.15' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.83 cfs @ 12.04 hrs HW=372.86' TW=372.78' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.83 cfs @ 1.05 fps)

Pond 75P: CB37



Summary for Pond 76P: CB34

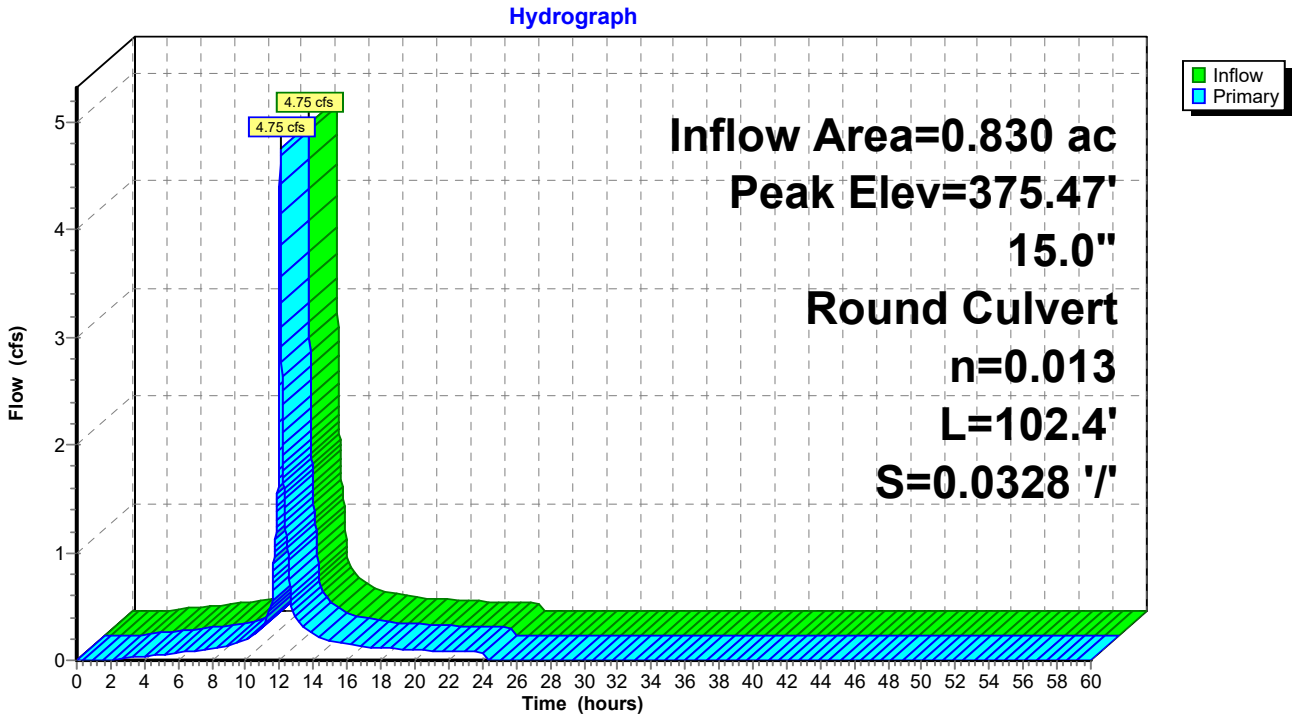
Inflow Area = 0.830 ac, 77.05% Impervious, Inflow Depth = 5.41" for 25-yr event
Inflow = 4.75 cfs @ 12.04 hrs, Volume= 0.374 af
Outflow = 4.75 cfs @ 12.04 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 4.75 cfs @ 12.04 hrs, Volume= 0.374 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.47' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.81'	**15.0" Round Culvert** L= 102.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.81' / 370.45' S= 0.0328 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.74 cfs @ 12.04 hrs HW=375.47' TW=372.78' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.74 cfs @ 3.86 fps)

Pond 76P: CB34



Summary for Pond 78P: WQU1

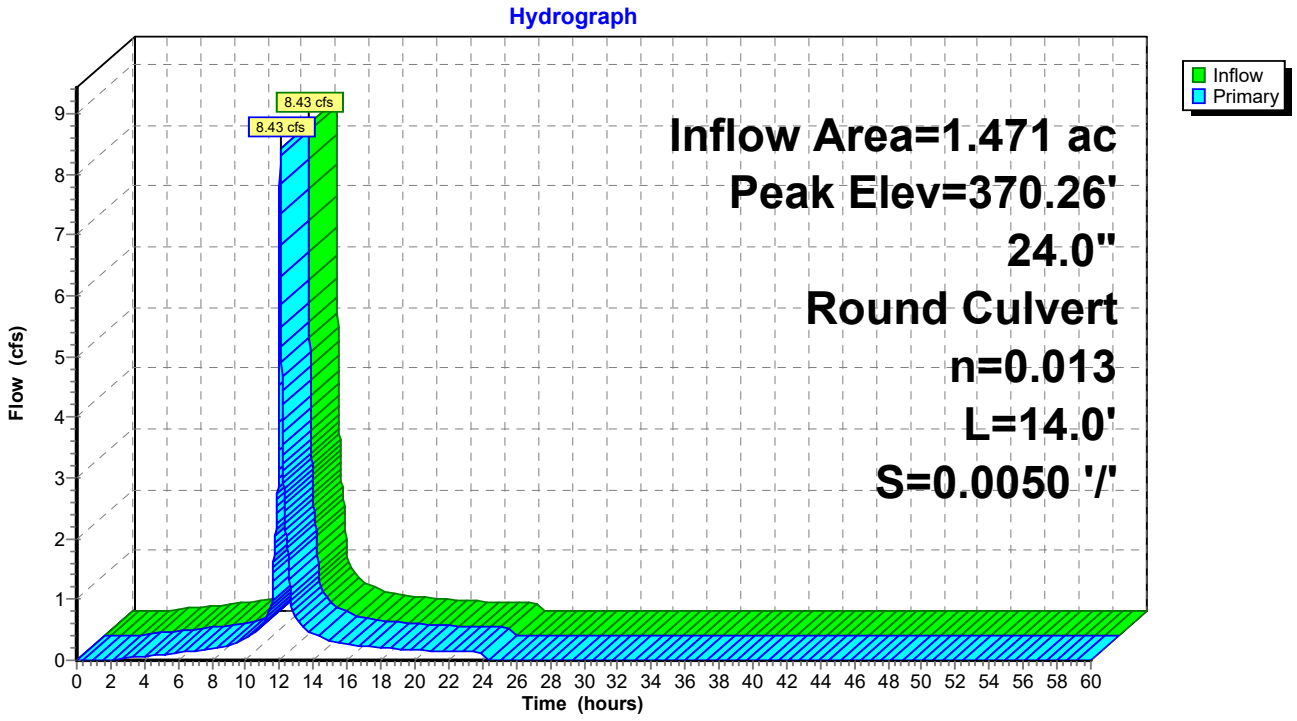
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 5.42" for 25-yr event
Inflow = 8.43 cfs @ 12.04 hrs, Volume= 0.664 af
Outflow = 8.43 cfs @ 12.04 hrs, Volume= 0.664 af, Atten= 0%, Lag= 0.0 min
Primary = 8.43 cfs @ 12.04 hrs, Volume= 0.664 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.26' @ 13.02 hrs
Flood Elev= 372.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.44'	**24.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.44' / 367.37' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.40 cfs @ 12.04 hrs HW=369.15' TW=368.37' (Dynamic Tailwater)
1=Culvert (Barrel Controls 8.40 cfs @ 3.95 fps)

Pond 78P: WQU1



Summary for Pond 79P: Underground Infiltration

Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 5.42" for 25-yr event
Inflow = 8.43 cfs @ 12.04 hrs, Volume= 0.664 af
Outflow = 0.68 cfs @ 13.02 hrs, Volume= 0.664 af, Atten= 92%, Lag= 59.0 min
Discarded = 0.62 cfs @ 13.02 hrs, Volume= 0.660 af
Primary = 0.06 cfs @ 13.02 hrs, Volume= 0.004 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.26' @ 13.02 hrs Surf.Area= 2,883 sf Storage= 10,480 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 142.3 min (921.3 - 779.1)

Volume	Invert	Avail.Storage	Storage Description
#1	367.37'	5,697 cf	**ADS_StormTech MC-3500 d +Cap**x 51 Inside #2 Effective Size= 70.4"W x 45.0"H => 15.33 sf x 7.17'L = 110.0 cf Overall Size= 77.0"W x 45.0"H x 7.50'L with 0.33' Overlap 3 Rows of 17 Chambers Cap Storage= +14.9 cf x 2 x 3 rows = 89.4 cf
#2	366.62'	10,160 cf	**Stone Bed (Prismatic)**Listed below (Recalc) 15,857 cf Overall - 5,697 cf Embedded = 10,160 cf
		15,857 cf	Total Available Storage

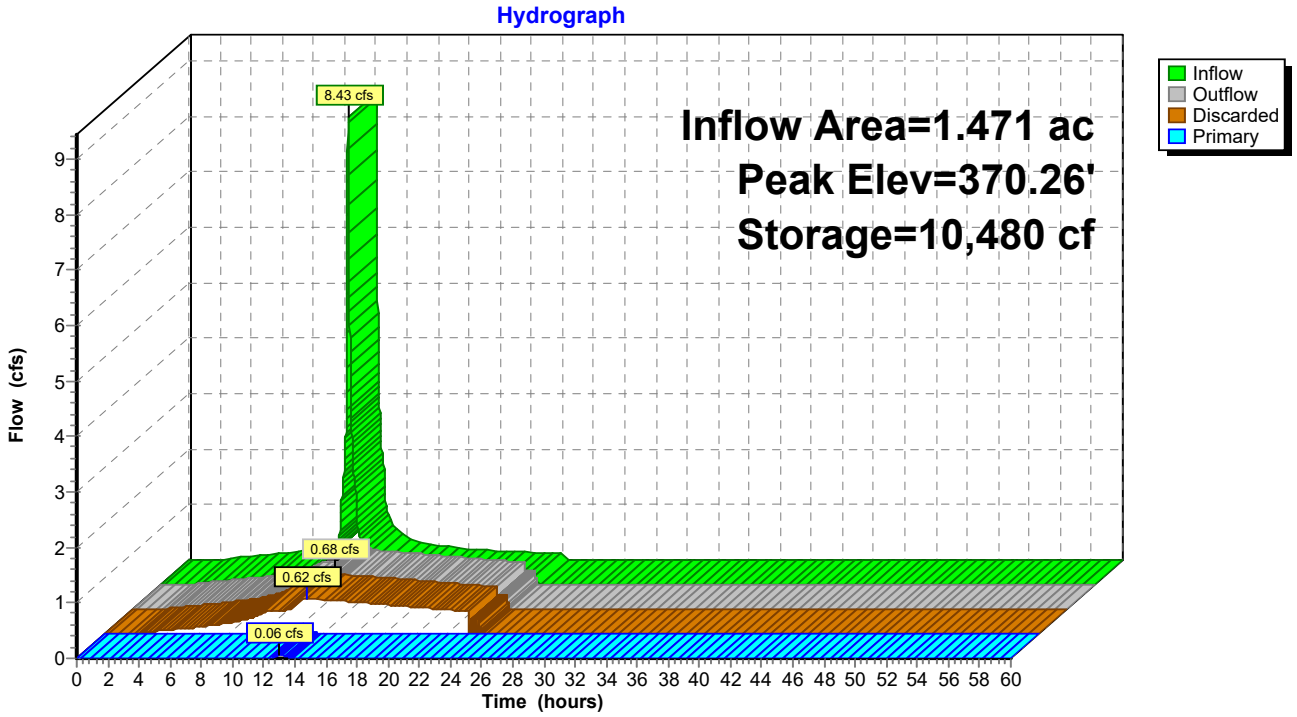
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
366.62	2,883	0	0
372.12	2,883	15,857	15,857

Device	Routing	Invert	Outlet Devices
#1	Discarded	366.62'	**6.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 360.00'
#2	Primary	370.12'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.12' / 366.80' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.62 cfs @ 13.02 hrs HW=370.26' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.62 cfs)

Primary OutFlow Max=0.06 cfs @ 13.02 hrs HW=370.26' TW=364.39' (Dynamic Tailwater)
↑—**2=Culvert** (Inlet Controls 0.06 cfs @ 0.99 fps)

Pond 79P: Underground Infiltration



Summary for Pond 80P: CB35

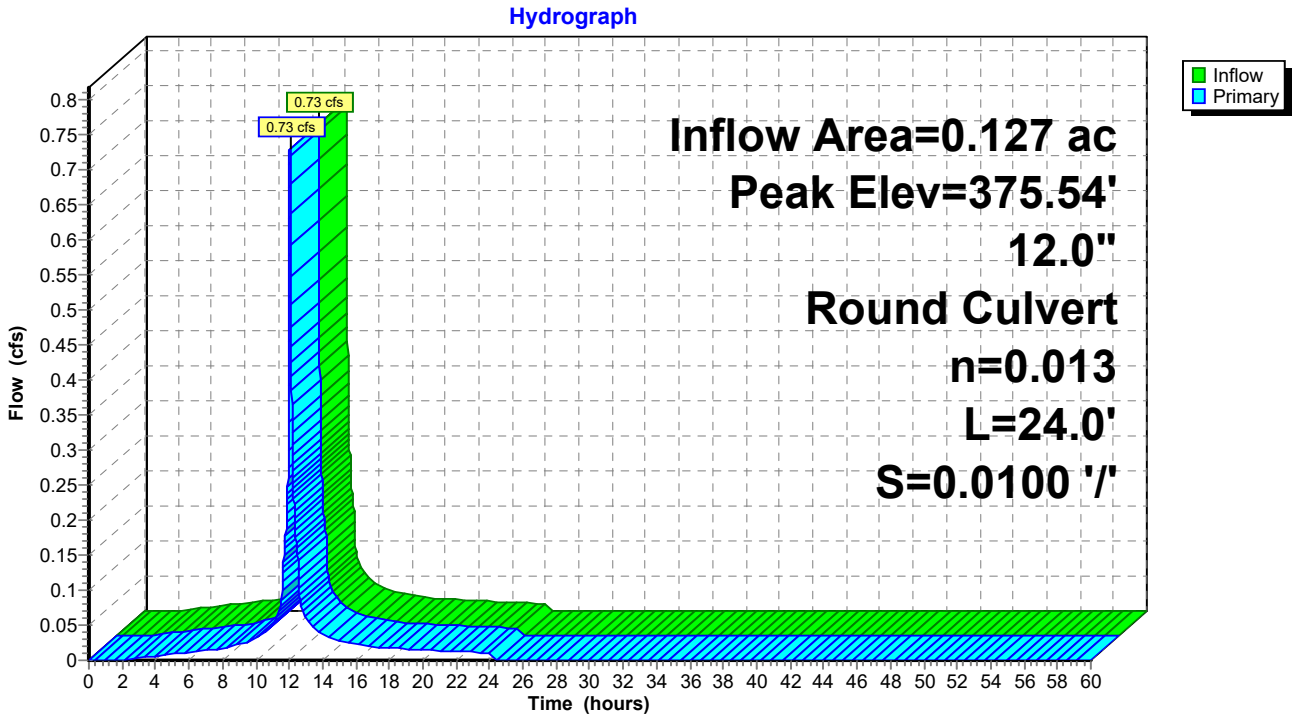
Inflow Area = 0.127 ac, 78.18% Impervious, Inflow Depth = 5.46" for 25-yr event
Inflow = 0.73 cfs @ 12.04 hrs, Volume= 0.058 af
Outflow = 0.73 cfs @ 12.04 hrs, Volume= 0.058 af, Atten= 0%, Lag= 0.0 min
Primary = 0.73 cfs @ 12.04 hrs, Volume= 0.058 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.54' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.65'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.65' / 374.41' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.04 hrs HW=375.53' TW=375.47' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.73 cfs @ 0.99 fps)

Pond 80P: CB35



Summary for Pond 81P: CB32

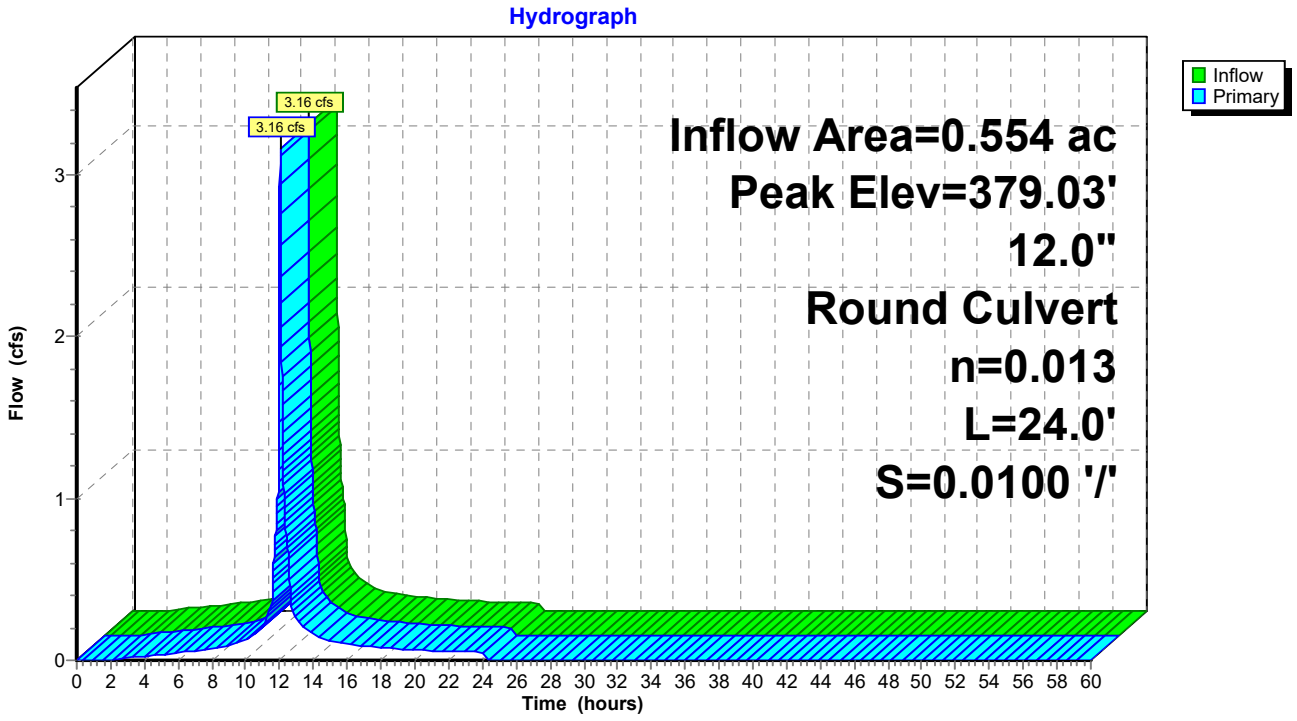
Inflow Area = 0.554 ac, 76.46% Impervious, Inflow Depth = 5.38" for 25-yr event
Inflow = 3.16 cfs @ 12.04 hrs, Volume= 0.249 af
Outflow = 3.16 cfs @ 12.04 hrs, Volume= 0.249 af, Atten= 0%, Lag= 0.0 min
Primary = 3.16 cfs @ 12.04 hrs, Volume= 0.249 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 379.03' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.41'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.41' / 377.17' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.15 cfs @ 12.04 hrs HW=379.03' TW=375.47' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.15 cfs @ 4.01 fps)

Pond 81P: CB32



Summary for Pond 82P: CB33

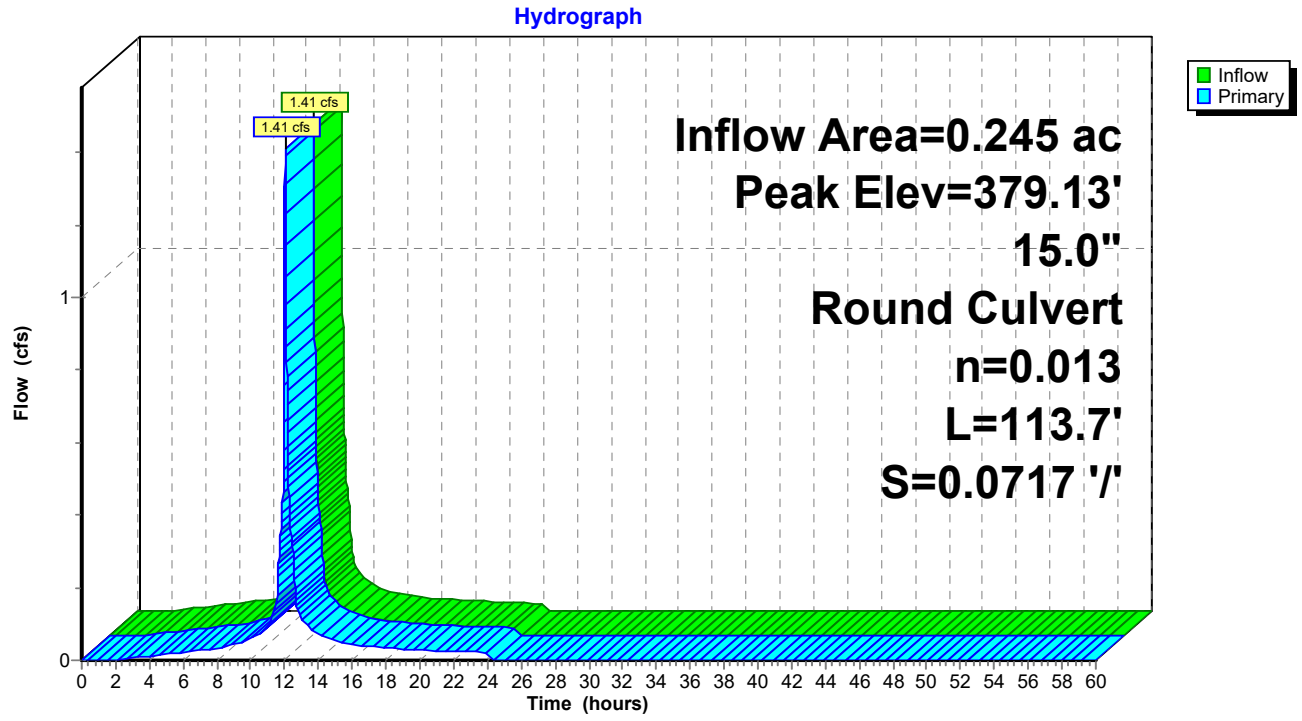
Inflow Area = 0.245 ac, 79.74% Impervious, Inflow Depth = 5.46" for 25-yr event
Inflow = 1.41 cfs @ 12.04 hrs, Volume= 0.111 af
Outflow = 1.41 cfs @ 12.04 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Primary = 1.41 cfs @ 12.04 hrs, Volume= 0.111 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 379.13' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.17'	**15.0" Round Culvert** L= 113.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.17' / 369.02' S= 0.0717 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.41 cfs @ 12.04 hrs HW=379.12' TW=379.03' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.41 cfs @ 1.15 fps)

Pond 82P: CB33



Summary for Pond 84P: CB42

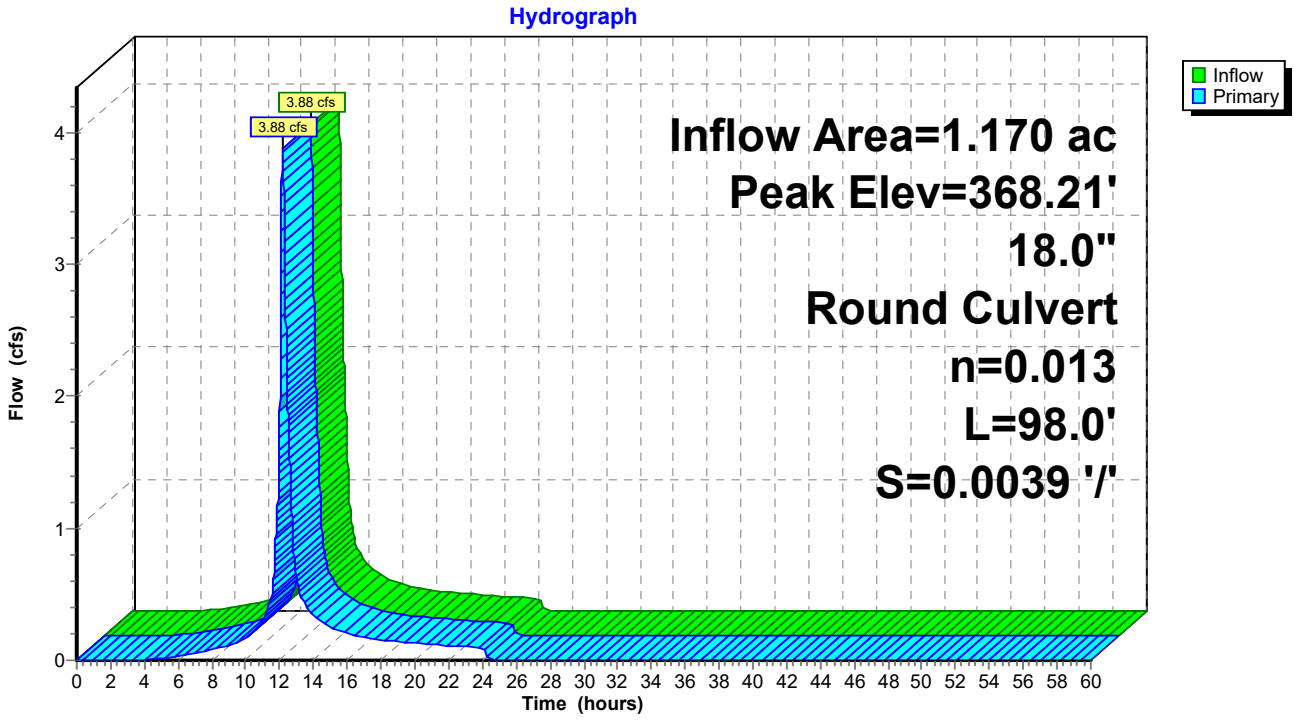
Inflow Area = 1.170 ac, 40.77% Impervious, Inflow Depth = 4.46" for 25-yr event
Inflow = 3.88 cfs @ 12.19 hrs, Volume= 0.435 af
Outflow = 3.88 cfs @ 12.19 hrs, Volume= 0.435 af, Atten= 0%, Lag= 0.0 min
Primary = 3.88 cfs @ 12.19 hrs, Volume= 0.435 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.21' @ 12.15 hrs
Flood Elev= 369.60'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.95'	**18.0" Round Culvert** L= 98.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.95' / 366.57' S= 0.0039 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.87 cfs @ 12.19 hrs HW=368.19' TW=367.58' (Dynamic Tailwater)
1=Culvert (Outlet Controls 3.87 cfs @ 3.38 fps)

Pond 84P: CB42



Summary for Pond 85P: CB5

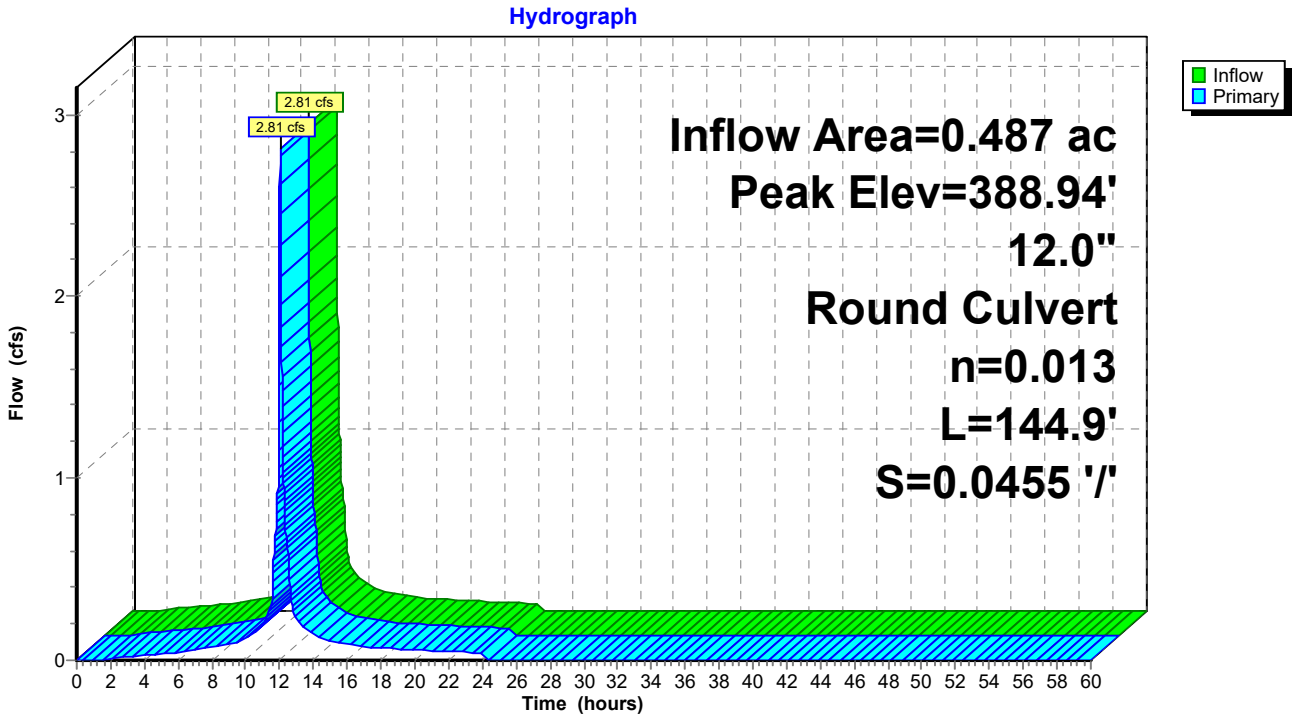
Inflow Area = 0.487 ac, 81.97% Impervious, Inflow Depth = 5.53" for 25-yr event
Inflow = 2.81 cfs @ 12.04 hrs, Volume= 0.224 af
Outflow = 2.81 cfs @ 12.04 hrs, Volume= 0.224 af, Atten= 0%, Lag= 0.0 min
Primary = 2.81 cfs @ 12.04 hrs, Volume= 0.224 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.94' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.55'	**12.0" Round Culvert** L= 144.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.55' / 380.95' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.81 cfs @ 12.04 hrs HW=388.93' TW=383.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.81 cfs @ 3.57 fps)

Pond 85P: CB5



Summary for Pond 86P: CB4

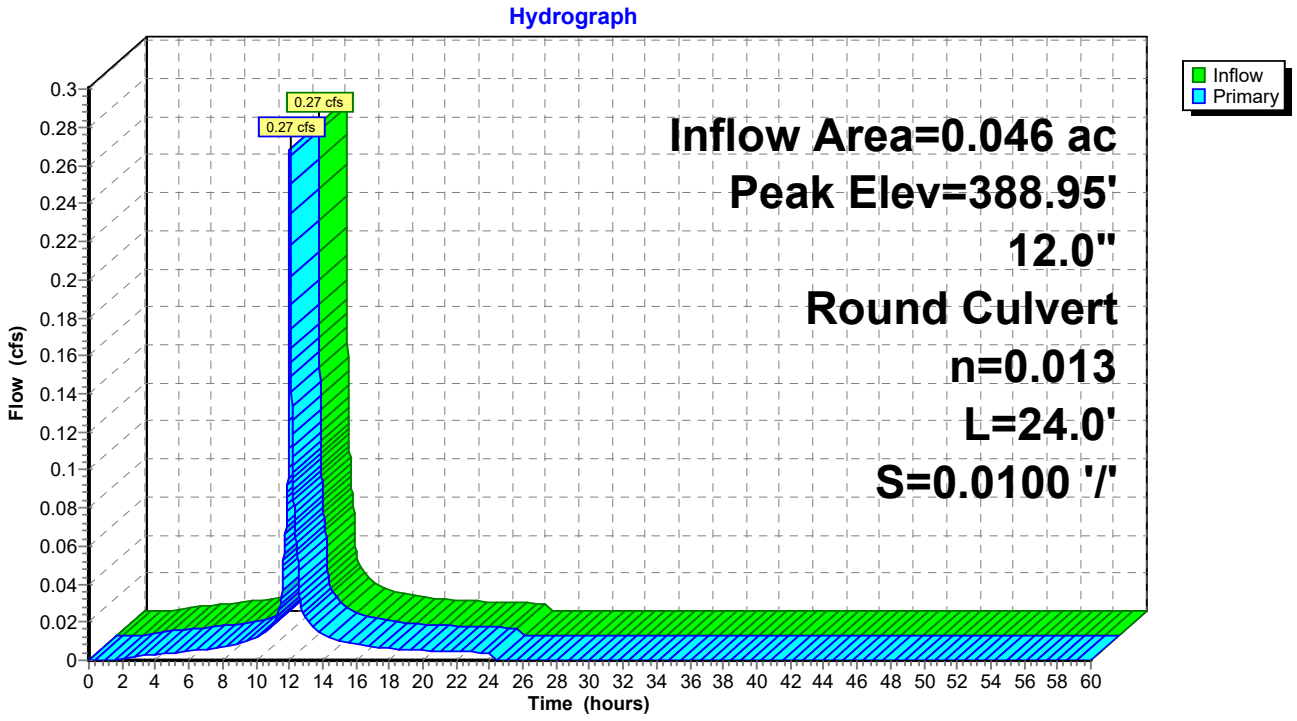
Inflow Area = 0.046 ac, 86.01% Impervious, Inflow Depth = 5.69" for 25-yr event
Inflow = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af
Outflow = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 388.95' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.79'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.79' / 387.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.04 hrs HW=388.94' TW=388.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.27 cfs @ 0.34 fps)

Pond 86P: CB4



Summary for Pond 87P: CB6

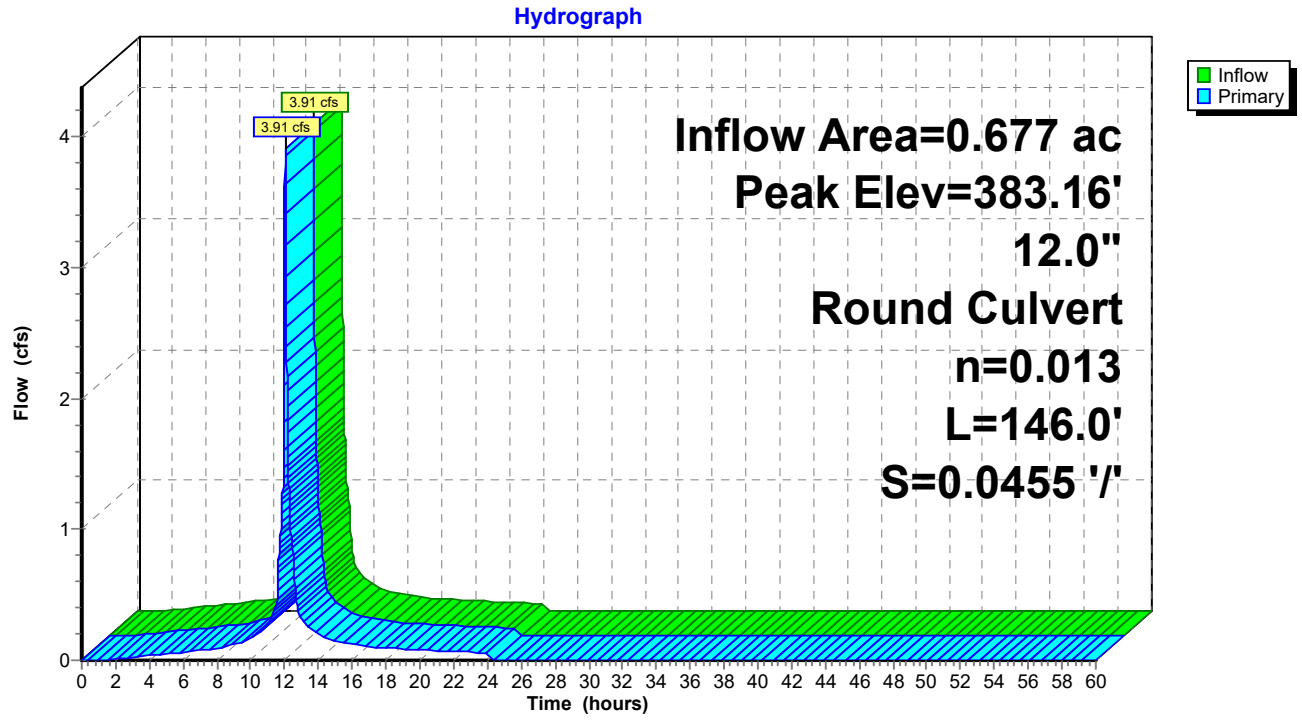
Inflow Area = 0.677 ac, 81.52% Impervious, Inflow Depth = 5.51" for 25-yr event
Inflow = 3.91 cfs @ 12.04 hrs, Volume= 0.311 af
Outflow = 3.91 cfs @ 12.04 hrs, Volume= 0.311 af, Atten= 0%, Lag= 0.0 min
Primary = 3.91 cfs @ 12.04 hrs, Volume= 0.311 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 383.16' @ 12.04 hrs
Flood Elev= 385.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.95'	**12.0" Round Culvert** L= 146.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.95' / 374.31' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.90 cfs @ 12.04 hrs HW=383.15' TW=378.03' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.90 cfs @ 4.96 fps)

Pond 87P: CB6



Summary for Pond 88P: CB31

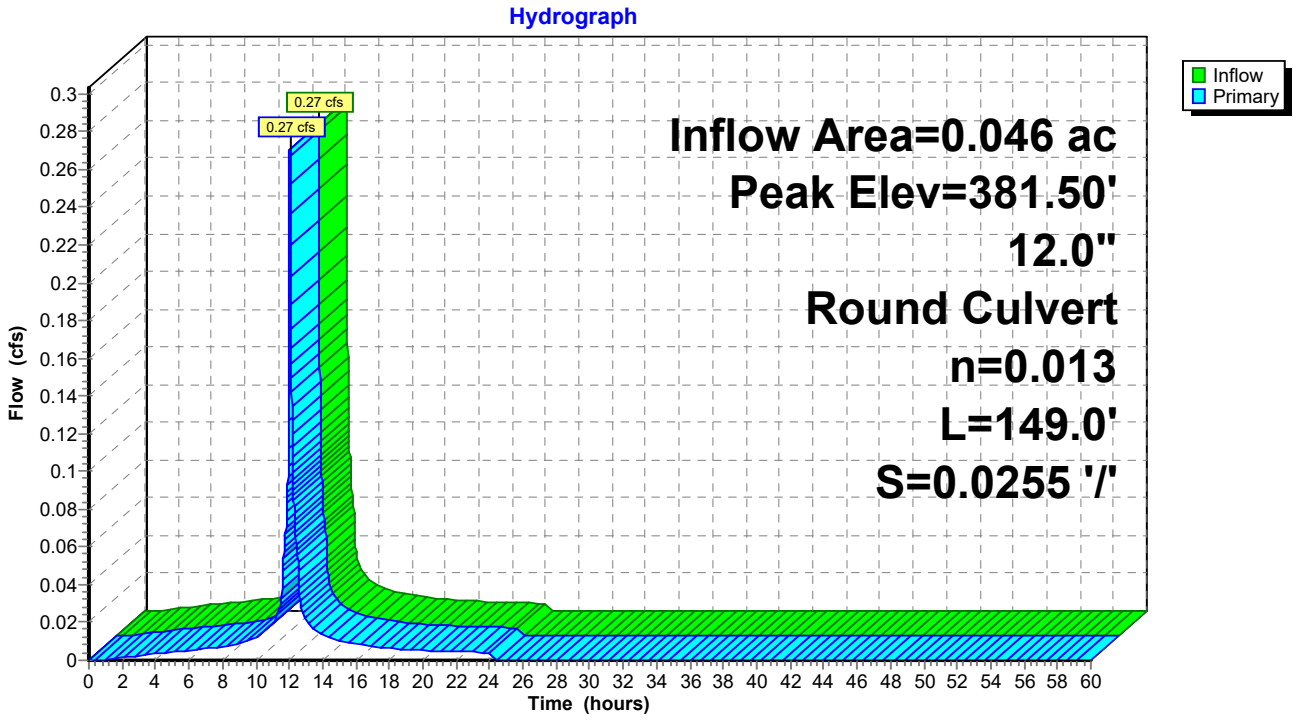
Inflow Area = 0.046 ac, 89.62% Impervious, Inflow Depth = 5.81" for 25-yr event
Inflow = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af
Outflow = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.04 hrs, Volume= 0.022 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.50' @ 12.04 hrs
Flood Elev= 385.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	381.21'	**12.0" Round Culvert** L= 149.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 381.21' / 377.41' S= 0.0255 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.04 hrs HW=381.50' TW=379.02' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.27 cfs @ 1.44 fps)

Pond 88P: CB31



Summary for Pond 89P: CB7

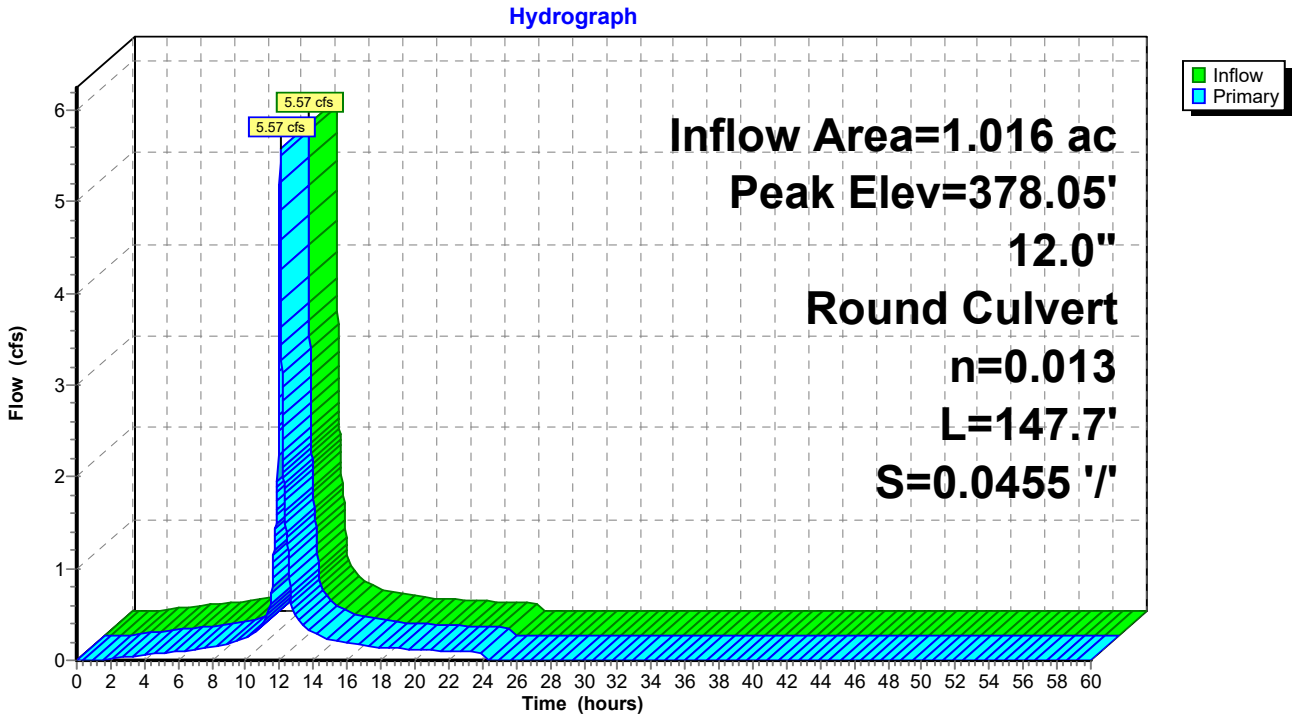
Inflow Area = 1.016 ac, 82.65% Impervious, Inflow Depth = 5.55" for 25-yr event
Inflow = 5.57 cfs @ 12.04 hrs, Volume= 0.470 af
Outflow = 5.57 cfs @ 12.04 hrs, Volume= 0.470 af, Atten= 0%, Lag= 0.0 min
Primary = 5.57 cfs @ 12.04 hrs, Volume= 0.470 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.05' @ 12.04 hrs
Flood Elev= 378.39'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.06'	**12.0" Round Culvert** L= 147.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.06' / 367.34' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.56 cfs @ 12.04 hrs HW=378.03' TW=371.03' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.56 cfs @ 7.08 fps)

Pond 89P: CB7



Summary for Pond 90P: CB48

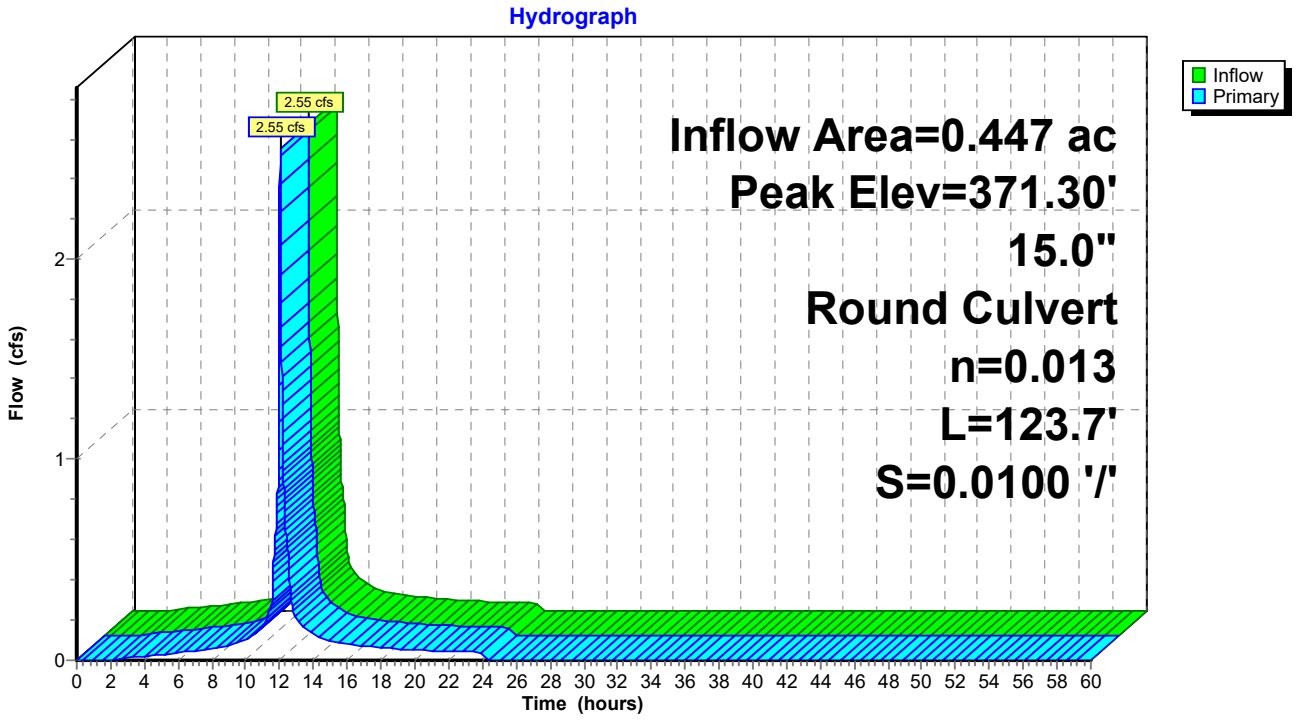
Inflow Area = 0.447 ac, 77.02% Impervious, Inflow Depth = 5.37" for 25-yr event
Inflow = 2.55 cfs @ 12.04 hrs, Volume= 0.200 af
Outflow = 2.55 cfs @ 12.04 hrs, Volume= 0.200 af, Atten= 0%, Lag= 0.0 min
Primary = 2.55 cfs @ 12.04 hrs, Volume= 0.200 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.30' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.37'	**15.0" Round Culvert** L= 123.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.37' / 369.13' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.54 cfs @ 12.04 hrs HW=371.30' TW=370.10' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.54 cfs @ 2.59 fps)

Pond 90P: CB48



Summary for Pond 92P: CB8

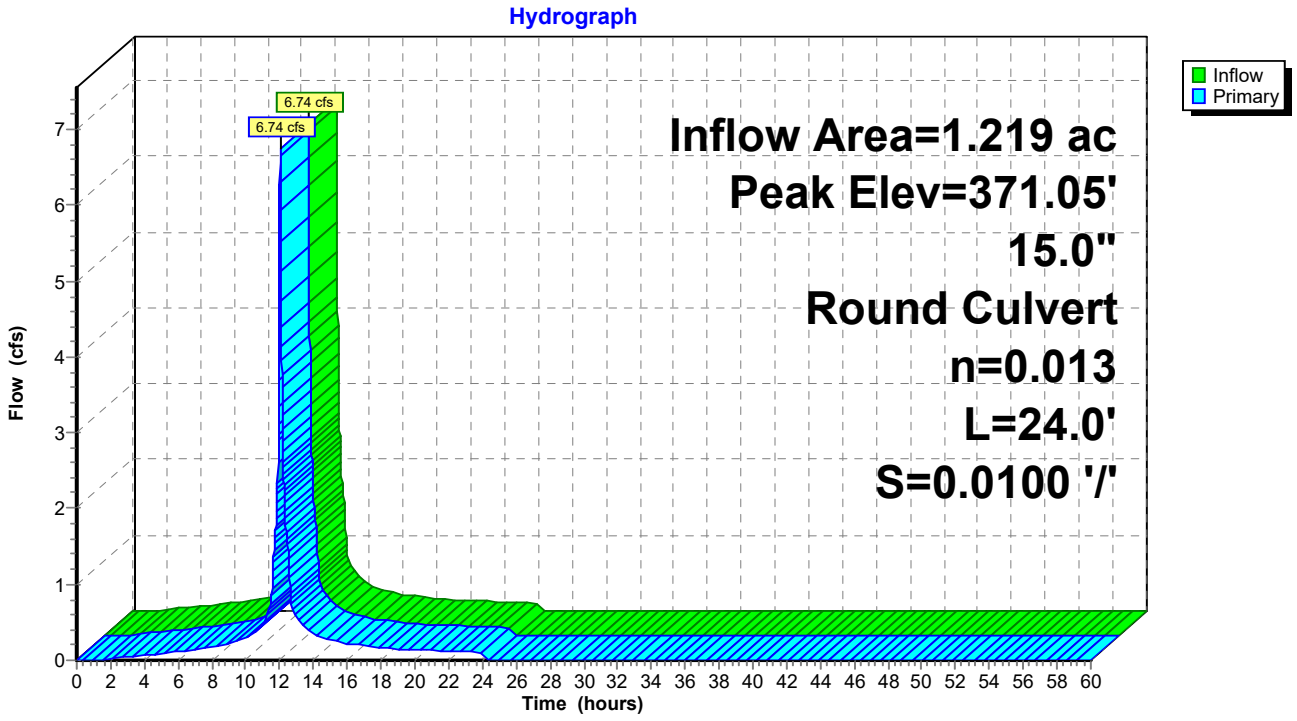
Inflow Area = 1.219 ac, 82.19% Impervious, Inflow Depth = 5.54" for 25-yr event
Inflow = 6.74 cfs @ 12.04 hrs, Volume= 0.563 af
Outflow = 6.74 cfs @ 12.04 hrs, Volume= 0.563 af, Atten= 0%, Lag= 0.0 min
Primary = 6.74 cfs @ 12.04 hrs, Volume= 0.563 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.05' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.34'	**15.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.34' / 367.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.73 cfs @ 12.04 hrs HW=371.03' TW=368.95' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.73 cfs @ 5.48 fps)

Pond 92P: CB8



Summary for Pond 93P: CB9

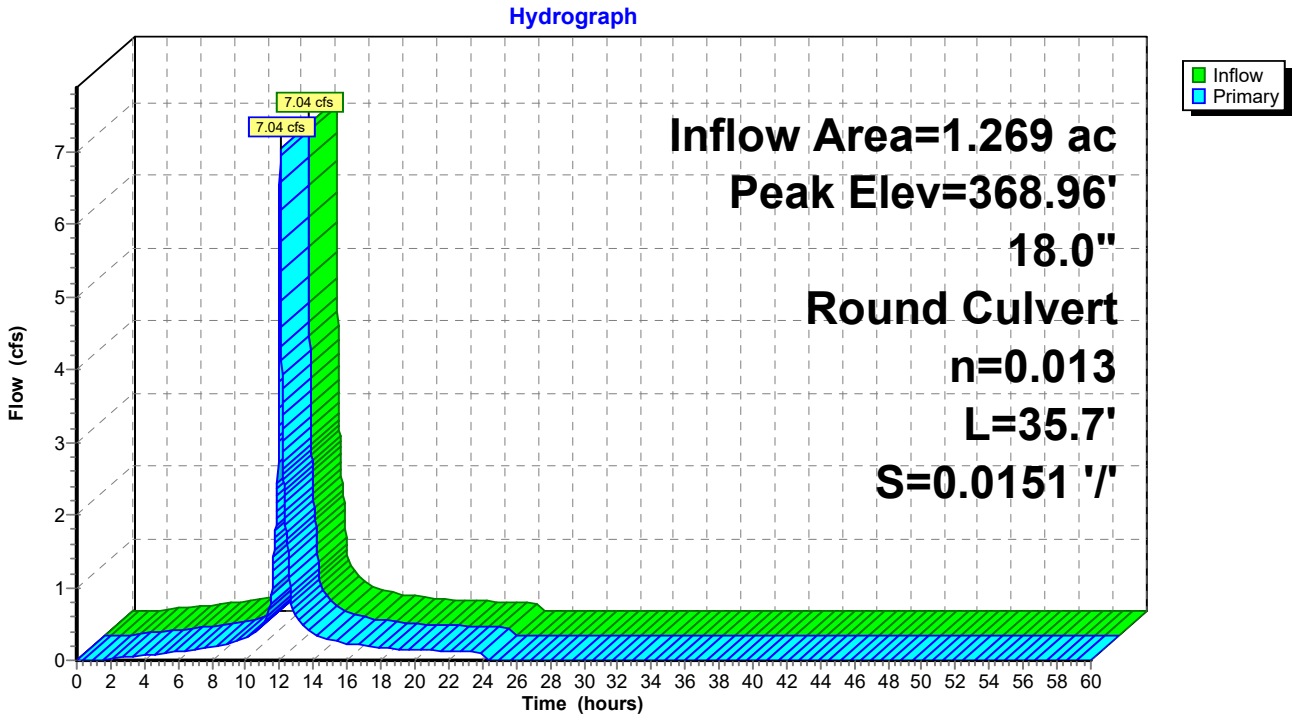
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 5.55" for 25-yr event
Inflow = 7.04 cfs @ 12.04 hrs, Volume= 0.587 af
Outflow = 7.04 cfs @ 12.04 hrs, Volume= 0.587 af, Atten= 0%, Lag= 0.0 min
Primary = 7.04 cfs @ 12.04 hrs, Volume= 0.587 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.96' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.97'	**18.0" Round Culvert** L= 35.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 366.97' / 366.43' S= 0.0151 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=7.02 cfs @ 12.04 hrs HW=368.95' TW=368.27' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.02 cfs @ 3.97 fps)

Pond 93P: CB9



Summary for Pond 95P: CB49

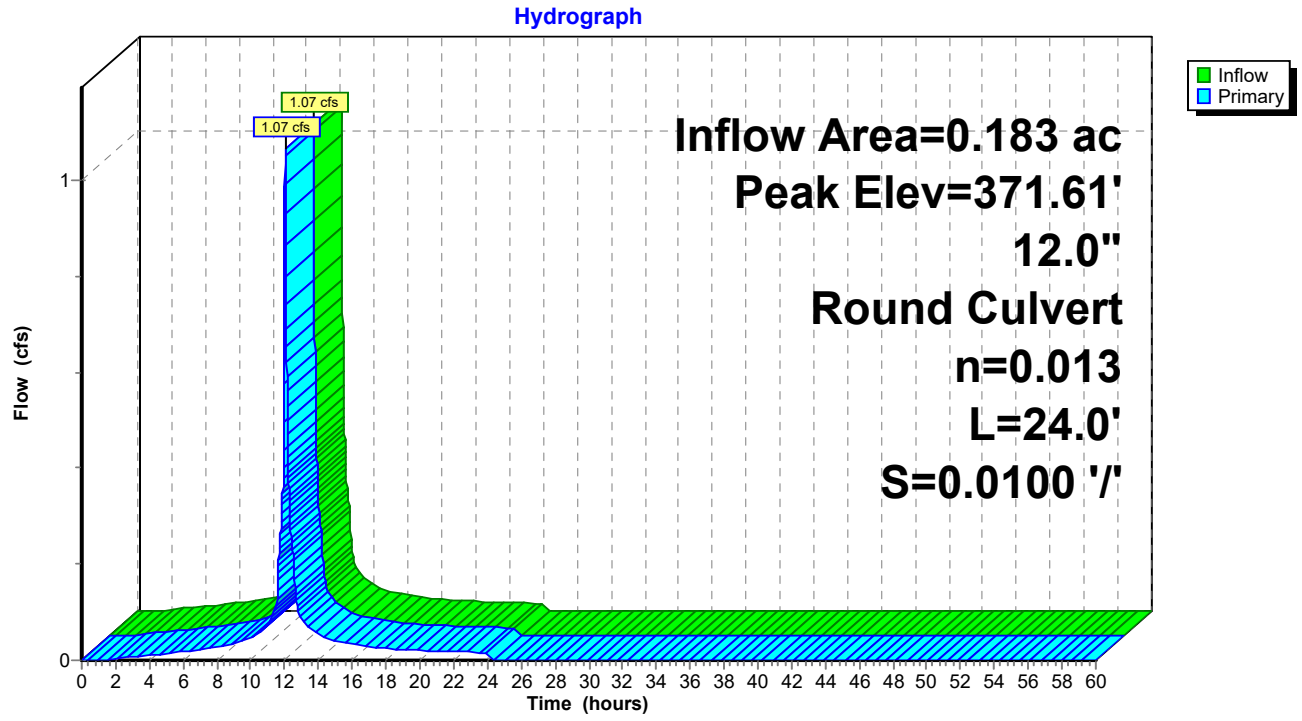
Inflow Area = 0.183 ac, 85.26% Impervious, Inflow Depth = 5.57" for 25-yr event
Inflow = 1.07 cfs @ 12.04 hrs, Volume= 0.085 af
Outflow = 1.07 cfs @ 12.04 hrs, Volume= 0.085 af, Atten= 0%, Lag= 0.0 min
Primary = 1.07 cfs @ 12.04 hrs, Volume= 0.085 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.61' @ 12.04 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.94'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.94' / 370.70' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.06 cfs @ 12.04 hrs HW=371.60' TW=371.30' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.06 cfs @ 2.72 fps)

Pond 95P: CB49



Summary for Pond 96P: CB50

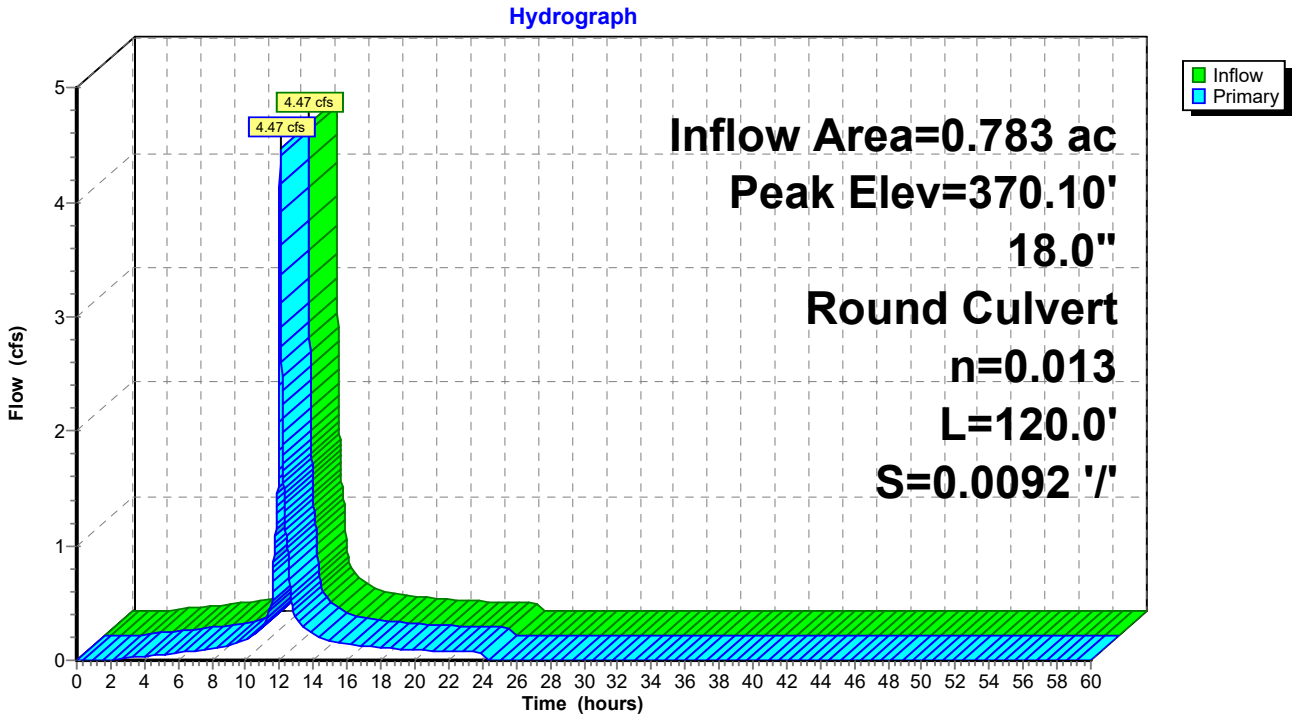
Inflow Area = 0.783 ac, 76.95% Impervious, Inflow Depth = 5.39" for 25-yr event
Inflow = 4.47 cfs @ 12.04 hrs, Volume= 0.351 af
Outflow = 4.47 cfs @ 12.04 hrs, Volume= 0.351 af, Atten= 0%, Lag= 0.0 min
Primary = 4.47 cfs @ 12.04 hrs, Volume= 0.351 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.10' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.84'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.84' / 367.74' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.46 cfs @ 12.04 hrs HW=370.10' TW=369.25' (Dynamic Tailwater)
1=Culvert (Outlet Controls 4.46 cfs @ 3.81 fps)

Pond 96P: CB50



Summary for Pond 97P: CB51

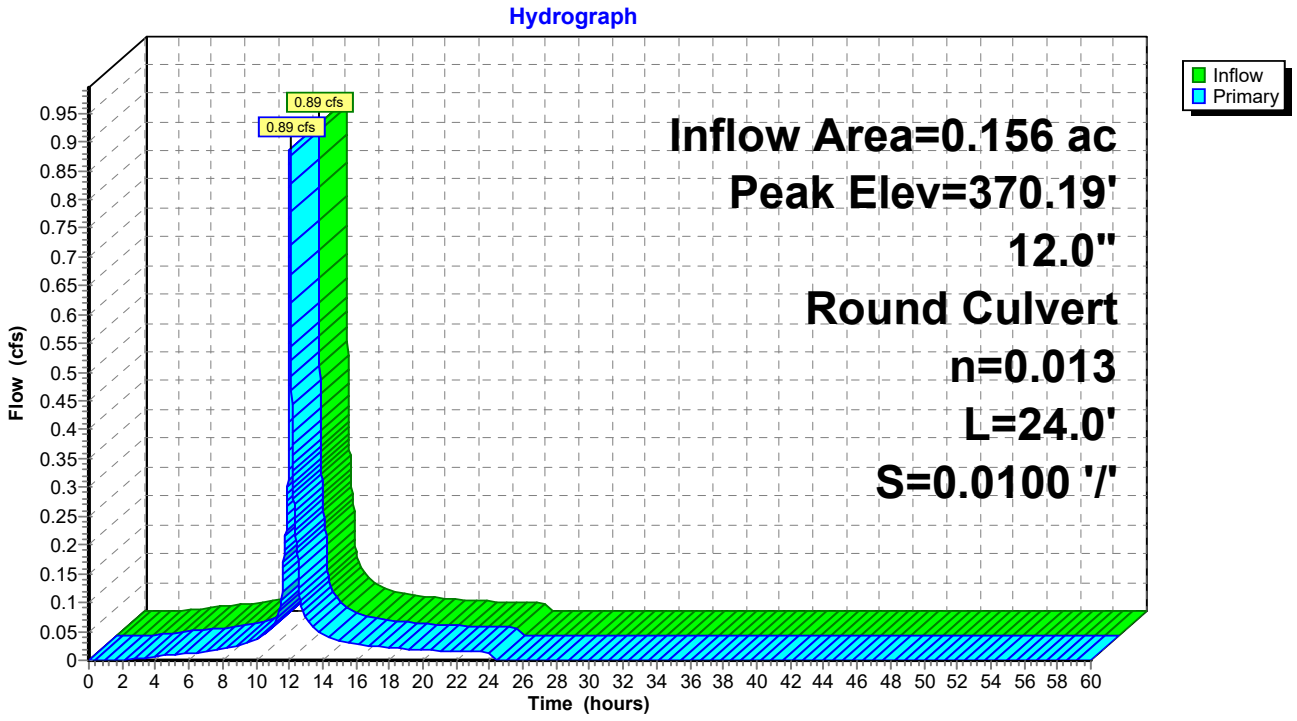
Inflow Area = 0.156 ac, 76.35% Impervious, Inflow Depth = 5.34" for 25-yr event
Inflow = 0.89 cfs @ 12.04 hrs, Volume= 0.070 af
Outflow = 0.89 cfs @ 12.04 hrs, Volume= 0.070 af, Atten= 0%, Lag= 0.0 min
Primary = 0.89 cfs @ 12.04 hrs, Volume= 0.070 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.19' @ 12.04 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.18'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.18' / 368.94' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.89 cfs @ 12.04 hrs HW=370.18' TW=370.10' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.89 cfs @ 1.13 fps)

Pond 97P: CB51



Summary for Pond 98P: CB52

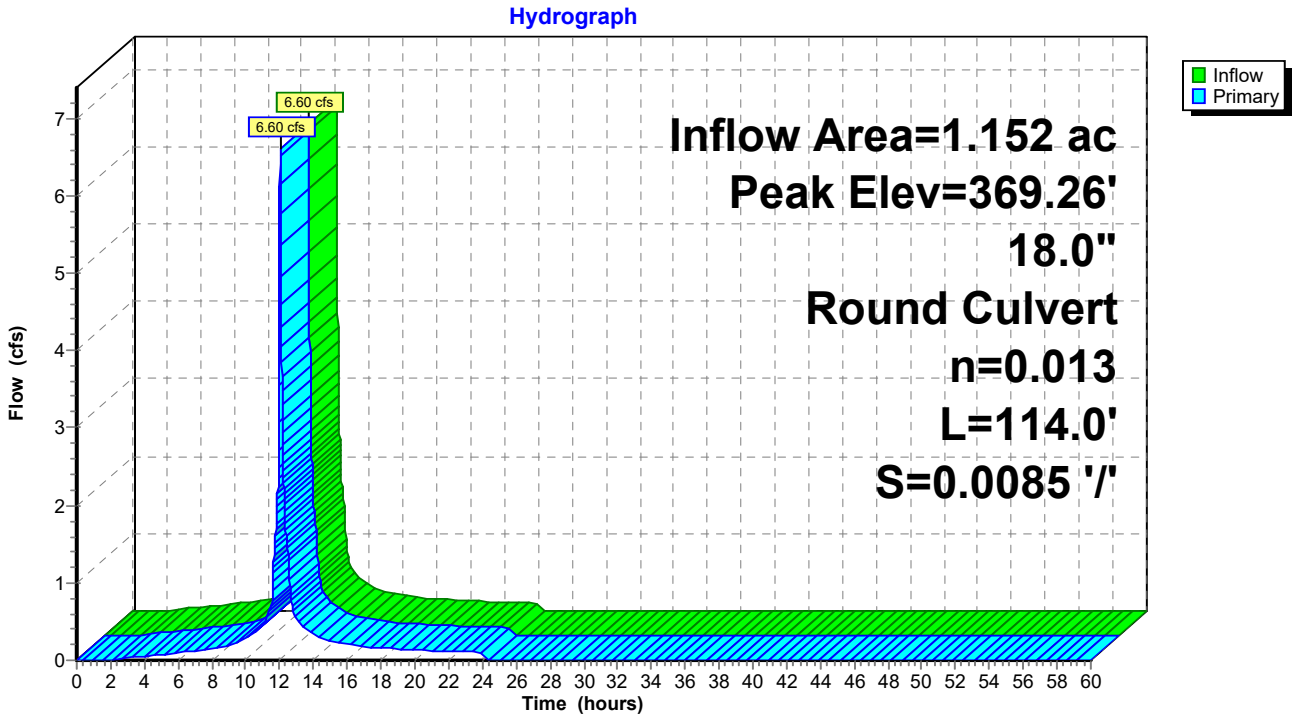
Inflow Area = 1.152 ac, 78.34% Impervious, Inflow Depth = 5.43" for 25-yr event
Inflow = 6.60 cfs @ 12.04 hrs, Volume= 0.521 af
Outflow = 6.60 cfs @ 12.04 hrs, Volume= 0.521 af, Atten= 0%, Lag= 0.0 min
Primary = 6.60 cfs @ 12.04 hrs, Volume= 0.521 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.26' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.54'	**18.0" Round Culvert** L= 114.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.54' / 366.57' S= 0.0085 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.58 cfs @ 12.04 hrs HW=369.25' TW=367.92' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.58 cfs @ 3.73 fps)

Pond 98P: CB52



Summary for Pond 99P: CB53

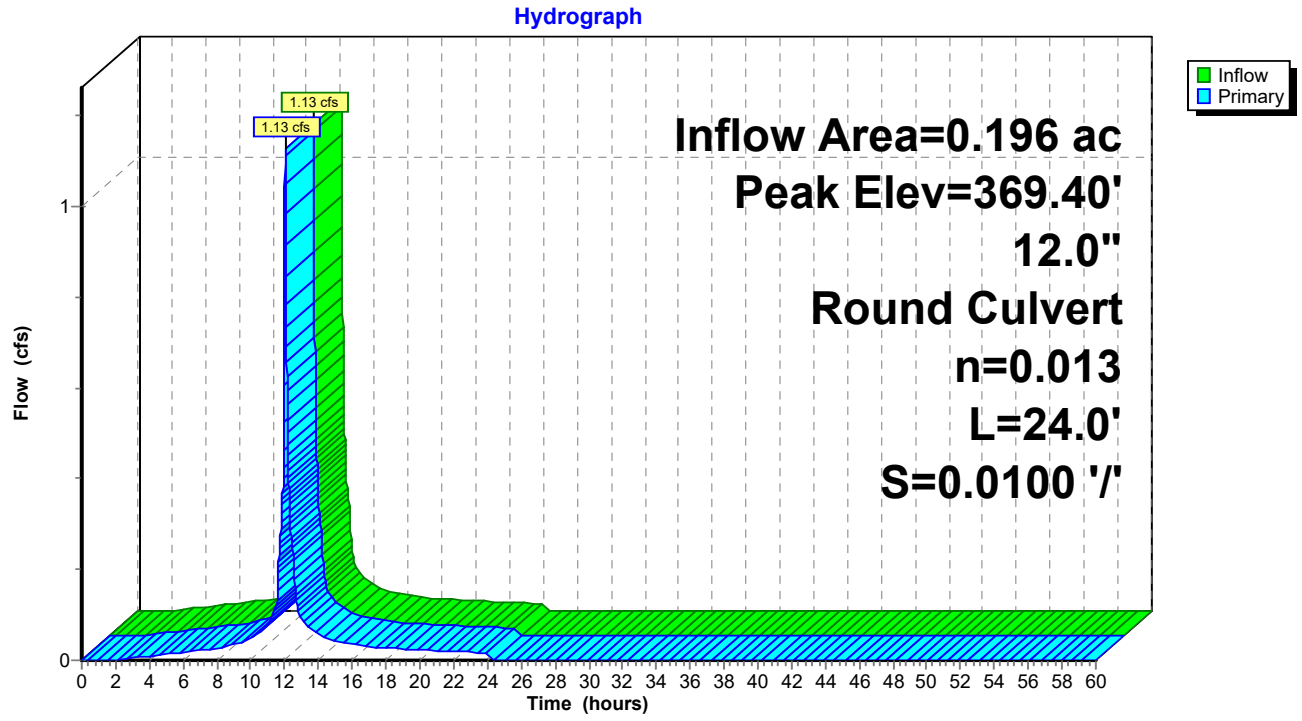
Inflow Area = 0.196 ac, 78.50% Impervious, Inflow Depth = 5.46" for 25-yr event
Inflow = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af
Outflow = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af, Atten= 0%, Lag= 0.0 min
Primary = 1.13 cfs @ 12.04 hrs, Volume= 0.089 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.40' @ 12.04 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.71' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.12 cfs @ 12.04 hrs HW=369.39' TW=369.25' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.12 cfs @ 1.43 fps)

Pond 99P: CB53



Summary for Pond 100P: CB54

Inflow Area = 2.488 ac, 59.99% Impervious, Inflow Depth = 4.95" for 25-yr event
Inflow = 9.81 cfs @ 12.04 hrs, Volume= 1.027 af
Outflow = 9.81 cfs @ 12.04 hrs, Volume= 1.027 af, Atten= 0%, Lag= 0.0 min
Primary = 9.81 cfs @ 12.04 hrs, Volume= 1.027 af

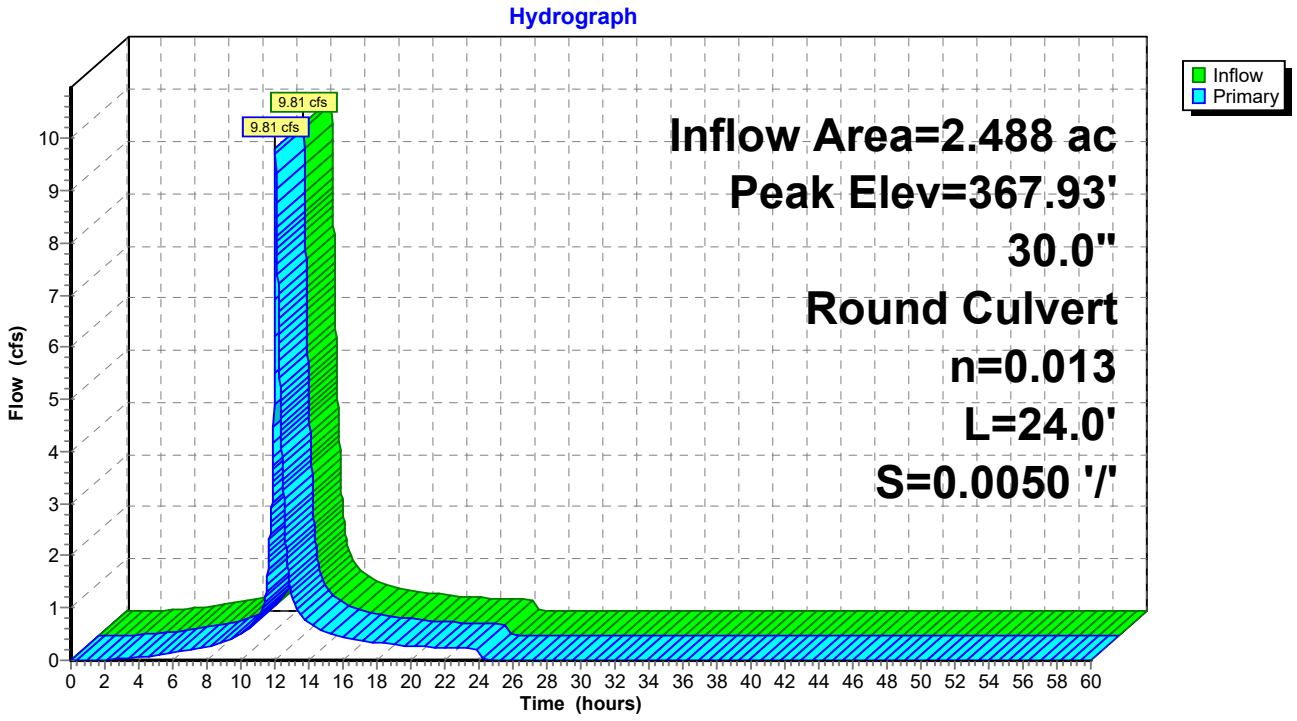
Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.93' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.07'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.07' / 365.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=9.79 cfs @ 12.04 hrs HW=367.93' TW=367.50' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 9.79 cfs @ 2.50 fps)

Pond 100P: CB54

Hydrograph



Summary for Pond 101P: CB55

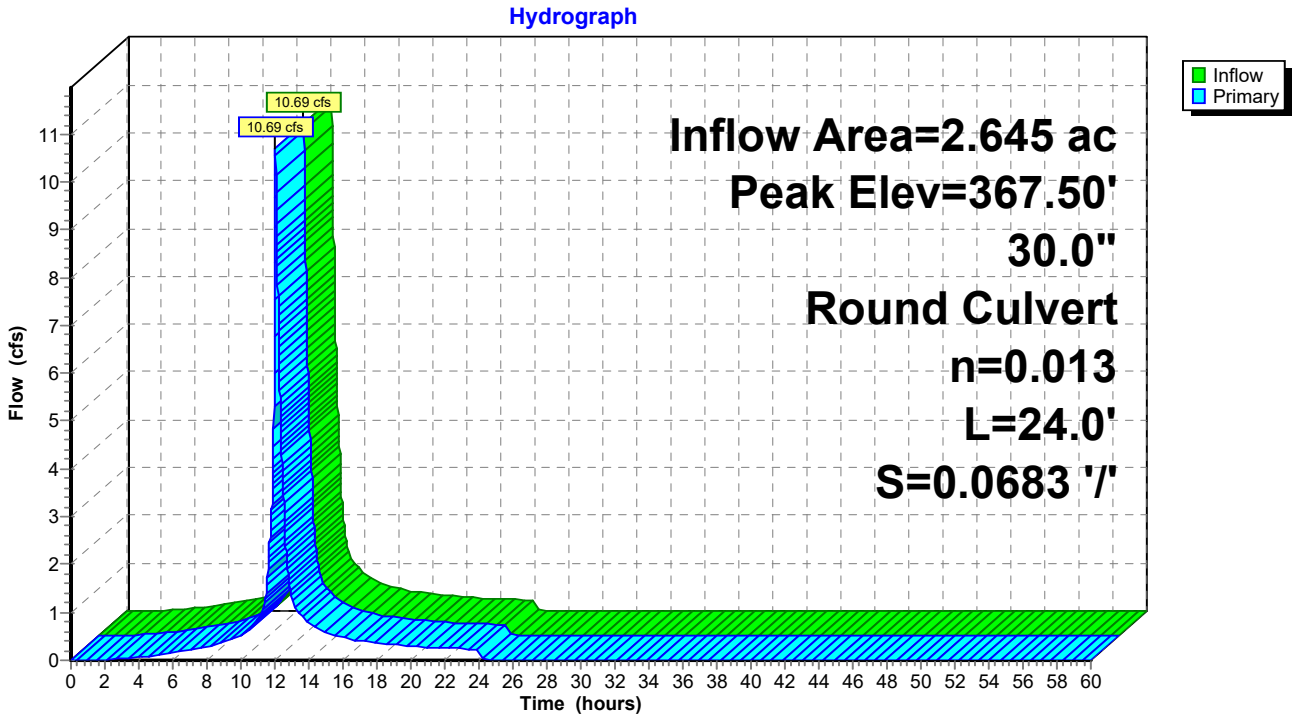
Inflow Area = 2.645 ac, 60.98% Impervious, Inflow Depth = 4.97" for 25-yr event
Inflow = 10.69 cfs @ 12.04 hrs, Volume= 1.096 af
Outflow = 10.69 cfs @ 12.04 hrs, Volume= 1.096 af, Atten= 0%, Lag= 0.0 min
Primary = 10.69 cfs @ 12.04 hrs, Volume= 1.096 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.50' @ 12.04 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	365.95'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 365.95' / 364.31' S= 0.0683 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=10.67 cfs @ 12.04 hrs HW=367.50' TW=366.31' (Dynamic Tailwater)
1=Culvert (Inlet Controls 10.67 cfs @ 3.34 fps)

Pond 101P: CB55



Summary for Pond 102P: CB43

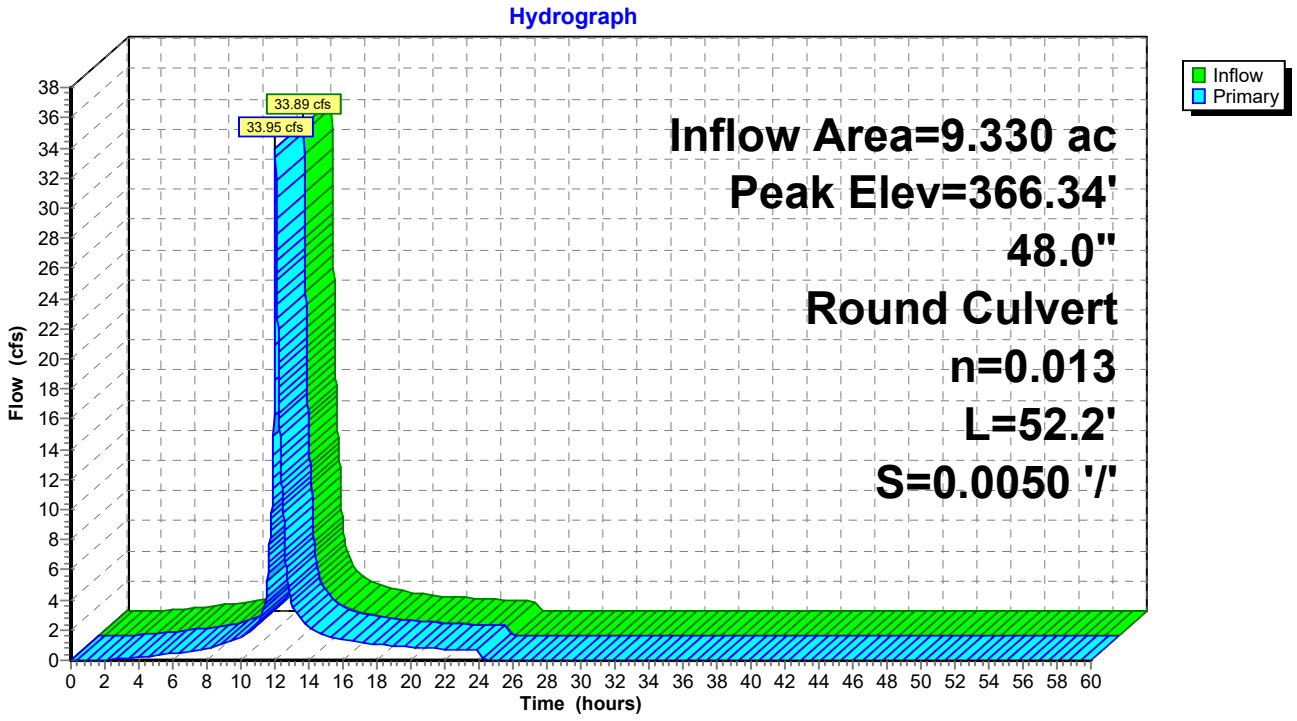
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 4.15" for 25-yr event
Inflow = 33.89 cfs @ 12.04 hrs, Volume= 3.226 af
Outflow = 33.95 cfs @ 12.04 hrs, Volume= 3.226 af, Atten= 0%, Lag= 0.0 min
Primary = 33.95 cfs @ 12.04 hrs, Volume= 3.226 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.34' @ 12.05 hrs
Flood Elev= 369.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.31'	**48.0" Round Culvert** L= 52.2' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.31' / 362.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=32.57 cfs @ 12.04 hrs HW=366.30' TW=366.01' (Dynamic Tailwater)
1=Culvert (Inlet Controls 32.57 cfs @ 2.59 fps)

Pond 102P: CB43



Summary for Pond 103P: CB44

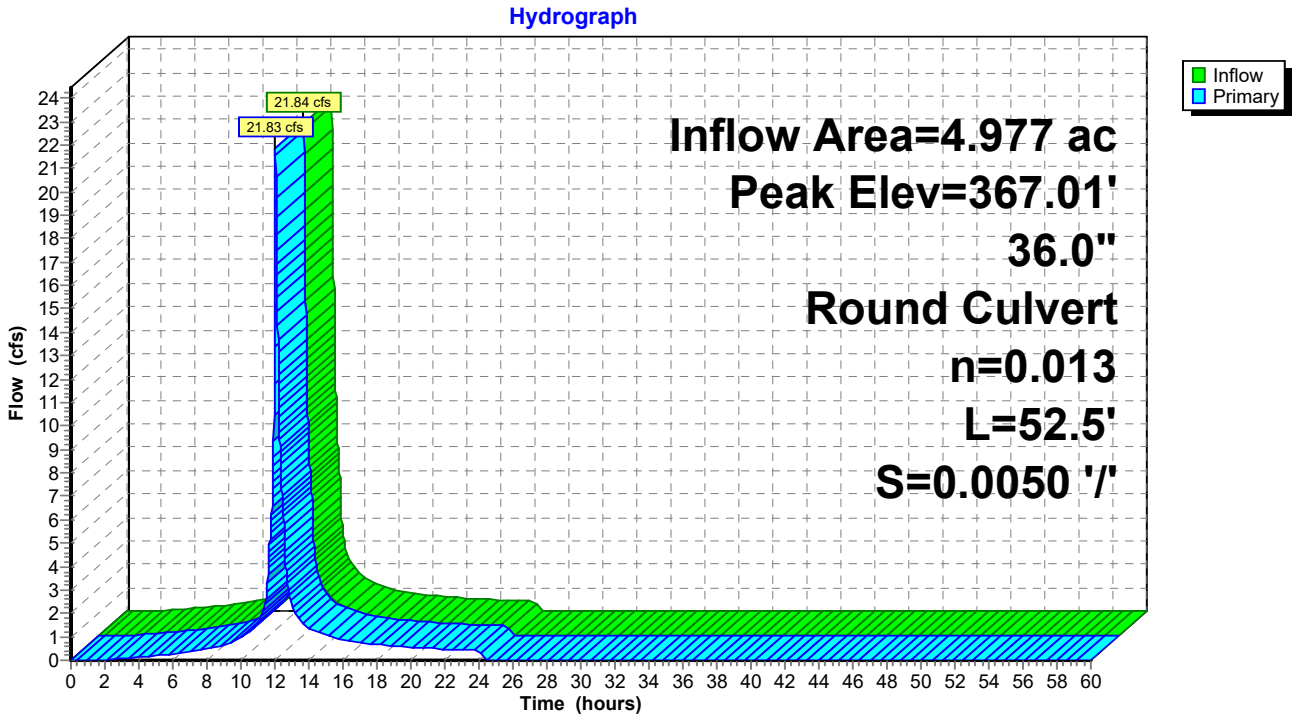
Inflow Area = 4.977 ac, 59.28% Impervious, Inflow Depth = 4.87" for 25-yr event
Inflow = 21.84 cfs @ 12.04 hrs, Volume= 2.018 af
Outflow = 21.83 cfs @ 12.04 hrs, Volume= 2.018 af, Atten= 0%, Lag= 0.0 min
Primary = 21.83 cfs @ 12.04 hrs, Volume= 2.018 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.01' @ 12.05 hrs
Flood Elev= 369.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	363.28'	**36.0" Round Culvert** L= 52.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 363.28' / 363.02' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.70 cfs @ 12.04 hrs HW=366.96' TW=366.31' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.70 cfs @ 3.07 fps)

Pond 103P: CB44



Summary for Pond 105P: DMH56

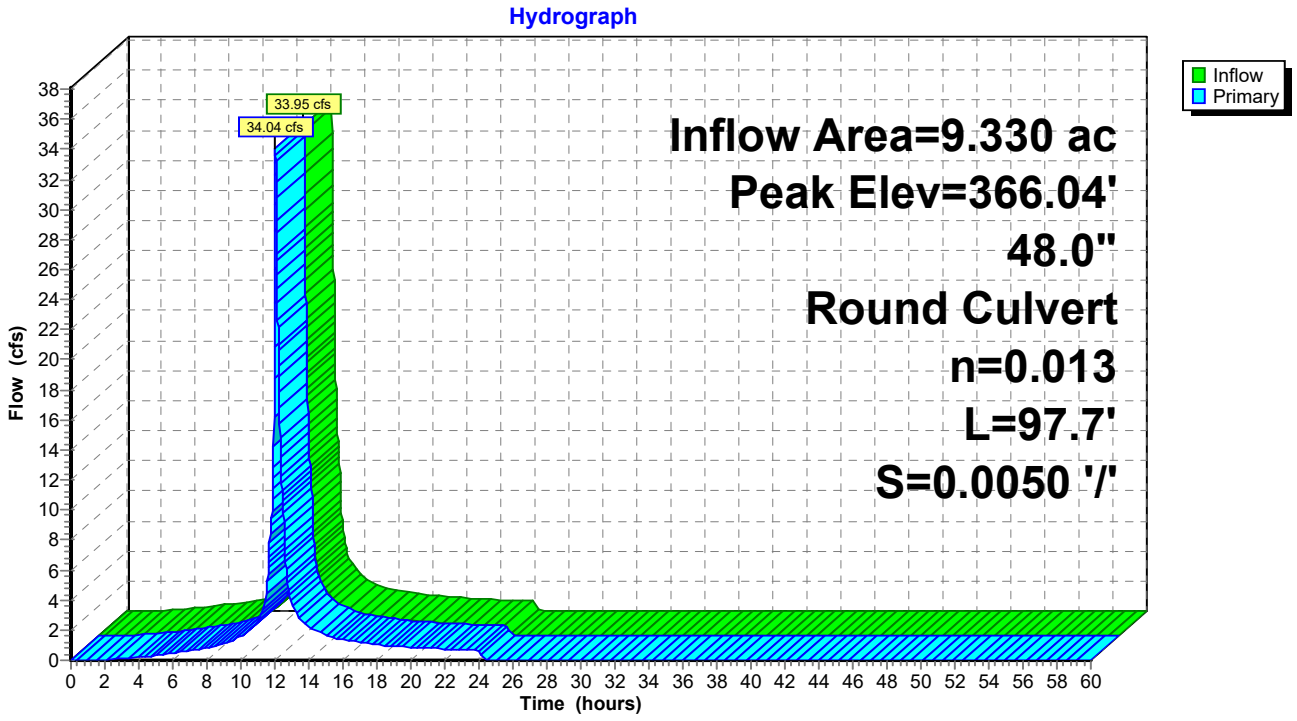
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 4.15" for 25-yr event
Inflow = 33.95 cfs @ 12.04 hrs, Volume= 3.226 af
Outflow = 34.04 cfs @ 12.04 hrs, Volume= 3.226 af, Atten= 0%, Lag= 0.0 min
Primary = 34.04 cfs @ 12.04 hrs, Volume= 3.226 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.04' @ 12.06 hrs
Flood Elev= 370.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.24'	**48.0" Round Culvert** L= 97.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.24' / 361.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=32.26 cfs @ 12.04 hrs HW=366.01' TW=365.68' (Dynamic Tailwater)
1=Culvert (Outlet Controls 32.26 cfs @ 3.39 fps)

Pond 105P: DMH56



Summary for Pond 106P: DMH57

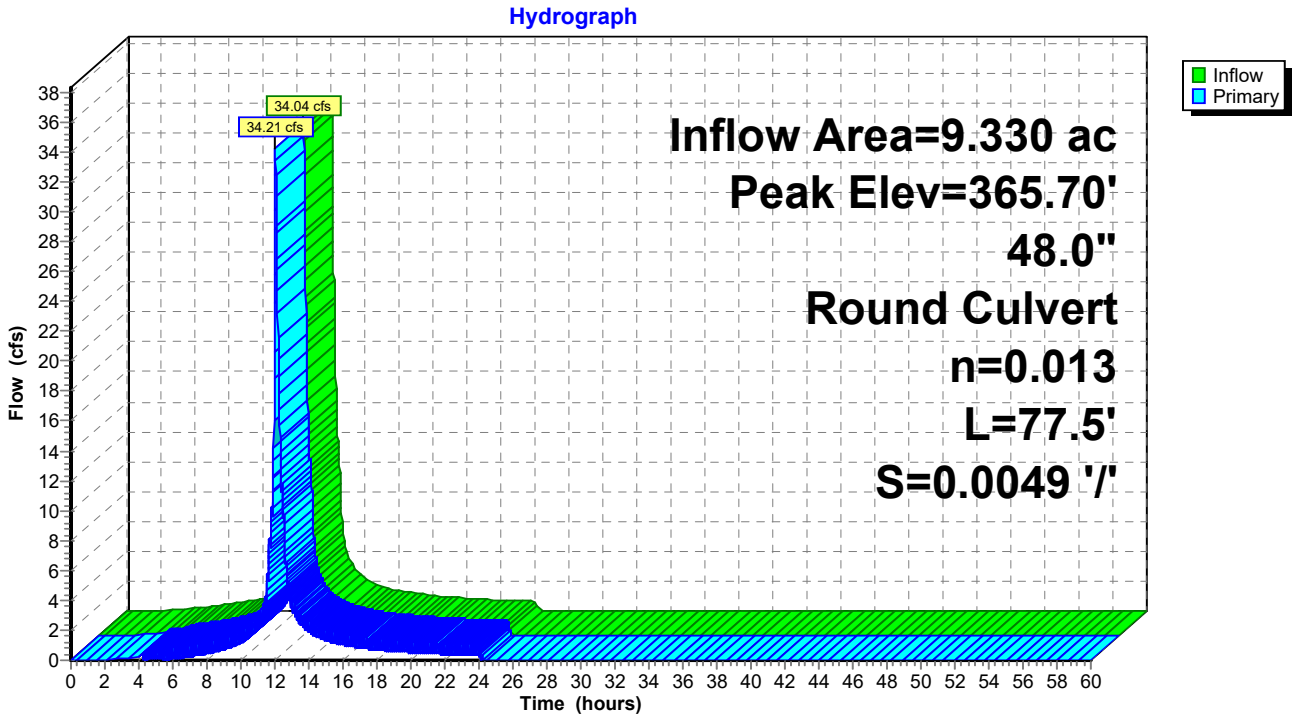
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 4.15" for 25-yr event
Inflow = 34.04 cfs @ 12.04 hrs, Volume= 3.226 af
Outflow = 34.21 cfs @ 12.04 hrs, Volume= 3.226 af, Atten= 0%, Lag= 0.0 min
Primary = 34.21 cfs @ 12.04 hrs, Volume= 3.226 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.70' @ 12.06 hrs
Flood Elev= 370.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.55'	**48.0" Round Culvert** L= 77.5' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.55' / 361.17' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=34.11 cfs @ 12.04 hrs HW=365.68' TW=365.36' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 34.11 cfs @ 2.71 fps)

Pond 106P: DMH57



Summary for Pond 107P: WQU58

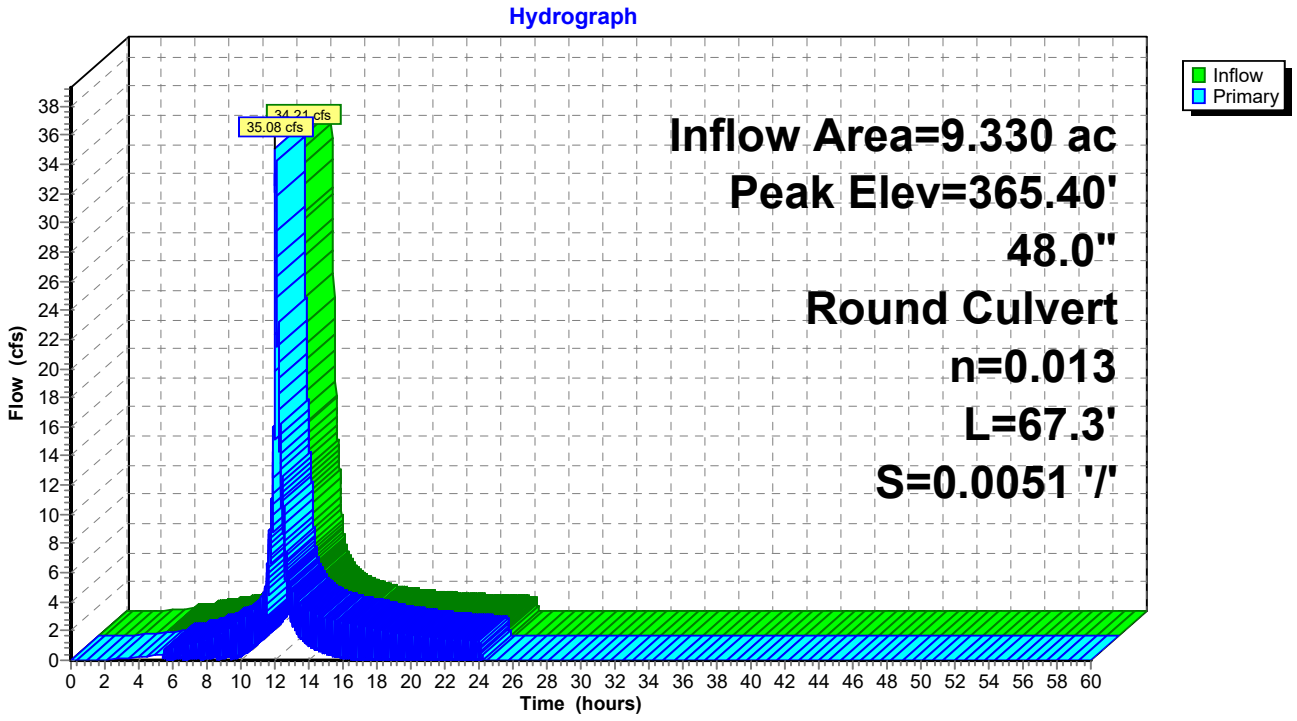
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 4.15" for 25-yr event
Inflow = 34.21 cfs @ 12.04 hrs, Volume= 3.226 af
Outflow = 35.08 cfs @ 12.04 hrs, Volume= 3.226 af, Atten= 0%, Lag= 0.0 min
Primary = 35.08 cfs @ 12.04 hrs, Volume= 3.226 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.40' @ 12.06 hrs
Flood Elev= 369.41'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.17'	**48.0" Round Culvert** L= 67.3' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.17' / 360.83' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=34.97 cfs @ 12.04 hrs HW=365.36' TW=365.03' (Dynamic Tailwater)
↳**1=Culvert** (Inlet Controls 34.97 cfs @ 2.78 fps)

Pond 107P: WQU58

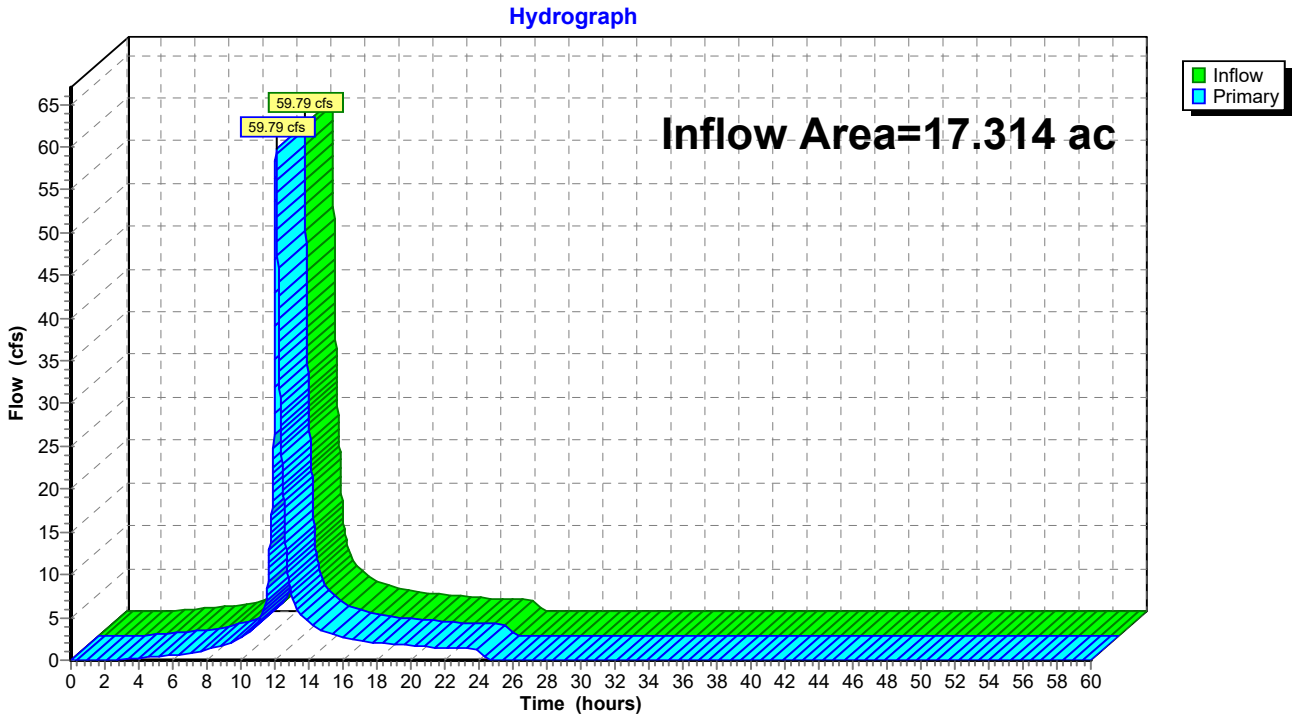


Summary for Link 9L: DP1

Inflow Area = 17.314 ac, 47.22% Impervious, Inflow Depth = 4.13" for 25-yr event
Inflow = 59.79 cfs @ 12.07 hrs, Volume= 5.965 af
Primary = 59.79 cfs @ 12.07 hrs, Volume= 5.965 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs

Link 9L: DP1



Time span=0.00-60.00 hrs, dt=0.01 hrs, 6001 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: 1S Runoff Area=2,402 sf 100.00% Impervious Runoff Depth=8.62"
Tc=6.0 min CN=98 Runoff=0.44 cfs 0.040 af

Subcatchment2S: 2S Runoff Area=950 sf 100.00% Impervious Runoff Depth=8.62"
Tc=6.0 min CN=98 Runoff=0.17 cfs 0.016 af

Subcatchment3S: 3S Runoff Area=7,934 sf 79.47% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.41 cfs 0.122 af

Subcatchment4S: 4S Runoff Area=1,832 sf 100.00% Impervious Runoff Depth=8.62"
Tc=6.0 min CN=98 Runoff=0.33 cfs 0.030 af

Subcatchment5S: 5S Runoff Area=6,456 sf 14.93% Impervious Runoff Depth=6.19"
Tc=6.0 min CN=78 Runoff=0.96 cfs 0.076 af

Subcatchment6S: 6S Runoff Area=13,000 sf 69.32% Impervious Runoff Depth=7.77"
Tc=6.0 min CN=91 Runoff=2.27 cfs 0.193 af

Subcatchment7S: 7S Runoff Area=6,040 sf 79.57% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.07 cfs 0.093 af

Subcatchment8S: 8S Runoff Area=8,525 sf 81.20% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.51 cfs 0.131 af

Subcatchment9S: 9S Runoff Area=8,672 sf 67.26% Impervious Runoff Depth=7.65"
Tc=6.0 min CN=90 Runoff=1.50 cfs 0.127 af

Subcatchment10S: 10S Runoff Area=5,790 sf 74.92% Impervious Runoff Depth=7.90"
Tc=6.0 min CN=92 Runoff=1.02 cfs 0.087 af

Subcatchment11S: 11S Runoff Area=5,768 sf 76.75% Impervious Runoff Depth=7.90"
Tc=6.0 min CN=92 Runoff=1.02 cfs 0.087 af

Subcatchment12S: 12S Runoff Area=9,851 sf 79.43% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.75 cfs 0.151 af

Subcatchment13S: 13S Runoff Area=8,998 sf 80.37% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.60 cfs 0.138 af

Subcatchment14S: 14S Runoff Area=34,531 sf 28.83% Impervious Runoff Depth=6.07"
Flow Length=477' Tc=11.4 min UI Adjusted CN=77 Runoff=3.99 cfs 0.401 af

Subcatchment15S: 15S Runoff Area=3,642 sf 97.56% Impervious Runoff Depth=8.50"
Tc=6.0 min CN=97 Runoff=0.66 cfs 0.059 af

Subcatchment16S: 16S Runoff Area=7,332 sf 81.61% Impervious Runoff Depth=8.14"
Tc=6.0 min CN=94 Runoff=1.31 cfs 0.114 af

Subcatchment17S: 17S Runoff Area=1,125 sf 86.40% Impervious Runoff Depth=8.26"
Tc=6.0 min CN=95 Runoff=0.20 cfs 0.018 af

Subcatchment18S: 18S Runoff Area=4,934 sf 80.26% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=0.87 cfs 0.076 af

Subcatchment19S: 19S Runoff Area=15,000 sf 80.72% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=2.66 cfs 0.230 af

Subcatchment20S: 20S Runoff Area=12,423 sf 61.49% Impervious Runoff Depth=7.53"
Tc=6.0 min CN=89 Runoff=2.13 cfs 0.179 af

Subcatchment21S: 21S Runoff Area=47,588 sf 40.96% Impervious Runoff Depth=6.92"
Flow Length=532' Tc=15.3 min CN=84 Runoff=5.47 cfs 0.630 af

Subcatchment22S: 22S Runoff Area=6,979 sf 84.42% Impervious Runoff Depth=8.14"
Tc=6.0 min CN=94 Runoff=1.25 cfs 0.109 af

Subcatchment23S: 23S Runoff Area=6,339 sf 78.42% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.12 cfs 0.097 af

Subcatchment24S: 24S Runoff Area=6,480 sf 78.29% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.15 cfs 0.099 af

Subcatchment25S: 25S Runoff Area=5,527 sf 78.18% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=0.98 cfs 0.085 af

Subcatchment26S: 26S Runoff Area=11,496 sf 71.13% Impervious Runoff Depth=7.77"
Tc=6.0 min CN=91 Runoff=2.01 cfs 0.171 af

Subcatchment27S: 27S Runoff Area=10,664 sf 79.74% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.89 cfs 0.164 af

Subcatchment28S: 28S Runoff Area=7,932 sf 75.84% Impervious Runoff Depth=7.90"
Tc=6.0 min CN=92 Runoff=1.40 cfs 0.120 af

Subcatchment29S: 29S Runoff Area=1,994 sf 86.01% Impervious Runoff Depth=8.26"
Tc=6.0 min CN=95 Runoff=0.36 cfs 0.032 af

Subcatchment30S: 30S Runoff Area=8,277 sf 80.34% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.47 cfs 0.127 af

Subcatchment31S: 31S Runoff Area=1,994 sf 89.62% Impervious Runoff Depth=8.38"
Tc=6.0 min CN=96 Runoff=0.36 cfs 0.032 af

Subcatchment32S: 32S Runoff Area=10,403 sf 78.57% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.84 cfs 0.160 af

Subcatchment35S: DA-33 Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=8.62"
Tc=0.0 min CN=98 Runoff=0.90 cfs 0.072 af

Subcatchment36S: 36S Runoff Area=50,955 sf 40.77% Impervious Runoff Depth=6.92"
Flow Length=482' Tc=16.9 min CN=84 Runoff=5.59 cfs 0.675 af

Subcatchment37S: 37S Runoff Area=8,850 sf 79.86% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.57 cfs 0.136 af

Subcatchment38S: 38S Runoff Area=2,178 sf 89.99% Impervious Runoff Depth=8.38"
Tc=6.0 min CN=96 Runoff=0.39 cfs 0.035 af

Subcatchment39S: 39S Runoff Area=11,479 sf 71.29% Impervious Runoff Depth=7.77"
Tc=6.0 min CN=91 Runoff=2.01 cfs 0.171 af

Subcatchment40S: 40S Runoff Area=7,985 sf 85.26% Impervious Runoff Depth=8.14"
Tc=6.0 min CN=94 Runoff=1.42 cfs 0.124 af

Subcatchment41S: 41S Runoff Area=7,826 sf 77.29% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.39 cfs 0.120 af

Subcatchment42S: 42S Runoff Area=6,802 sf 76.35% Impervious Runoff Depth=7.90"
Tc=6.0 min CN=92 Runoff=1.20 cfs 0.103 af

Subcatchment43S: 43S Runoff Area=7,562 sf 84.44% Impervious Runoff Depth=8.14"
Tc=6.0 min CN=94 Runoff=1.35 cfs 0.118 af

Subcatchment44S: 44S Runoff Area=8,519 sf 78.50% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.51 cfs 0.131 af

Subcatchment45S: 45S Runoff Area=7,264 sf 68.08% Impervious Runoff Depth=7.65"
Tc=6.0 min CN=90 Runoff=1.26 cfs 0.106 af

Subcatchment46S: 46S Runoff Area=6,807 sf 76.79% Impervious Runoff Depth=7.90"
Tc=6.0 min CN=92 Runoff=1.20 cfs 0.103 af

Subcatchment47S: 47S Runoff Area=10,360 sf 79.63% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.84 cfs 0.159 af

Subcatchment48S: 48S Runoff Area=15,279 sf 76.31% Impervious Runoff Depth=7.90"
Tc=6.0 min CN=92 Runoff=2.69 cfs 0.231 af

Subcatchment51S: 51S Runoff Area=6,539 sf 70.65% Impervious Runoff Depth=7.77"
Tc=6.0 min CN=91 Runoff=1.14 cfs 0.097 af

Subcatchment52S: 52S Runoff Area=8,056 sf 80.70% Impervious Runoff Depth=8.02"
Tc=6.0 min CN=93 Runoff=1.43 cfs 0.124 af

SubcatchmentDA-3: DA-3 Runoff Area=63,072 sf 30.24% Impervious Runoff Depth=6.56"
Flow Length=838' Tc=13.9 min CN=81 Runoff=7.19 cfs 0.791 af

SubcatchmentDA-5: DA-5 Runoff Area=37,899 sf 37.79% Impervious Runoff Depth=6.80"
Flow Length=400' Tc=10.4 min CN=83 Runoff=5.02 cfs 0.493 af

Subcatchment DA-6: DA-6 Runoff Area=52,424 sf 38.71% Impervious Runoff Depth=6.80"
Tc=6.0 min CN=83 Runoff=8.39 cfs 0.682 af

Subcatchment DA-7: Conservation Area Runoff Area=139,093 sf 0.00% Impervious Runoff Depth=5.70"
Tc=6.0 min CN=74 Runoff=19.10 cfs 1.517 af

Reach 91R: Swale-North Avg. Flow Depth=0.34' Max Vel=5.37 fps Inflow=7.19 cfs 0.791 af
n=0.022 L=540.0' S=0.0463 '/' Capacity=72.68 cfs Outflow=7.11 cfs 0.791 af

Pond 6P: Pond Peak Elev=365.35' Storage=19,549 cf Inflow=65.44 cfs 6.559 af
Outflow=58.85 cfs 6.549 af

Pond 10P: WQU69 Peak Elev=369.16' Inflow=9.44 cfs 0.858 af
18.0" Round Culvert n=0.013 L=22.3' S=0.0278 '/' Outflow=9.44 cfs 0.858 af

Pond 52P: CB2 Peak Elev=403.33' Inflow=0.61 cfs 0.055 af
12.0" Round Culvert n=0.013 L=116.3' S=0.0800 '/' Outflow=0.61 cfs 0.055 af

Pond 53P: CB1 Peak Elev=403.42' Inflow=0.17 cfs 0.016 af
12.0" Round Culvert n=0.013 L=23.9' S=0.0100 '/' Outflow=0.17 cfs 0.016 af

Pond 54P: CB3 Peak Elev=394.53' Inflow=2.01 cfs 0.177 af
12.0" Round Culvert n=0.013 L=131.3' S=0.0459 '/' Outflow=2.01 cfs 0.177 af

Pond 55P: CB11 Peak Elev=392.64' Inflow=0.33 cfs 0.030 af
15.0" Round Culvert n=0.013 L=104.0' S=0.0300 '/' Outflow=0.33 cfs 0.030 af

Pond 56P: CB12 Peak Elev=390.87' Inflow=0.96 cfs 0.076 af
12.0" Round Culvert n=0.013 L=61.5' S=0.0125 '/' Outflow=0.96 cfs 0.076 af

Pond 57P: CB13 Peak Elev=390.27' Inflow=4.63 cfs 0.393 af
24.0" Round Culvert n=0.013 L=132.3' S=0.0410 '/' Outflow=4.63 cfs 0.393 af

Pond 58P: CB39 Peak Elev=371.51' Inflow=11.33 cfs 0.977 af
24.0" Round Culvert n=0.013 L=27.0' S=0.0100 '/' Outflow=11.33 cfs 0.977 af

Pond 59P: CB14 Peak Elev=390.58' Inflow=1.07 cfs 0.093 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.07 cfs 0.093 af

Pond 60P: CB16 Peak Elev=389.22' Inflow=1.51 cfs 0.131 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=1.51 cfs 0.131 af

Pond 61P: CB15 Peak Elev=389.08' Inflow=7.64 cfs 0.650 af
15.0" Round Culvert n=0.013 L=94.0' S=0.0411 '/' Outflow=7.64 cfs 0.650 af

Pond 62P: CB18 Peak Elev=386.74' Inflow=1.02 cfs 0.087 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.02 cfs 0.087 af

Pond 63P: CB17 Peak Elev=386.66' Inflow=9.68 cfs 0.825 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0410 '/' Outflow=9.68 cfs 0.825 af

Pond 64P: CB20 Peak Elev=383.39' Inflow=16.19 cfs 1.515 af
18.0" Round Culvert n=0.013 L=40.8' S=0.0299 '/' Outflow=16.19 cfs 1.515 af

Pond 65P: CB19 Peak Elev=384.80' Inflow=14.45 cfs 1.364 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=14.45 cfs 1.364 af

Pond 66P: CB21 Peak Elev=377.79' Inflow=16.84 cfs 1.574 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0313 '/' Outflow=16.84 cfs 1.574 af

Pond 67P: CB22 Peak Elev=375.89' Inflow=18.14 cfs 1.688 af
24.0" Round Culvert n=0.013 L=76.5' S=0.0550 '/' Outflow=18.14 cfs 1.688 af

Pond 68P: CB28 Peak Elev=375.58' Inflow=5.58 cfs 0.648 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0092 '/' Outflow=5.58 cfs 0.648 af

Pond 69P: CB26 Peak Elev=373.61' Inflow=22.89 cfs 2.412 af
24.0" Round Culvert n=0.013 L=72.2' S=0.0201 '/' Outflow=22.89 cfs 2.412 af

Pond 70P: CB29 Peak Elev=369.94' Inflow=27.62 cfs 2.821 af
36.0" Round Culvert n=0.013 L=325.0' S=0.0050 '/' Outflow=27.62 cfs 2.821 af

Pond 71P: CB30 Peak Elev=369.98' Inflow=2.13 cfs 0.179 af
24.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=2.13 cfs 0.179 af

Pond 72P: CB27 Peak Elev=377.75' Inflow=5.47 cfs 0.630 af
12.0" Round Culvert n=0.013 L=31.9' S=0.0100 '/' Outflow=5.47 cfs 0.630 af

Pond 73P: CB38 Peak Elev=373.49' Inflow=9.90 cfs 0.854 af
18.0" Round Culvert n=0.013 L=24.0' S=0.0087 '/' Outflow=9.90 cfs 0.854 af

Pond 74P: CB36 Peak Elev=376.99' Inflow=8.76 cfs 0.757 af
15.0" Round Culvert n=0.013 L=105.1' S=0.0320 '/' Outflow=8.76 cfs 0.757 af

Pond 75P: CB37 Peak Elev=377.13' Inflow=1.12 cfs 0.097 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.12 cfs 0.097 af

Pond 76P: CB34 Peak Elev=378.85' Inflow=6.39 cfs 0.551 af
15.0" Round Culvert n=0.013 L=102.4' S=0.0328 '/' Outflow=6.39 cfs 0.551 af

Pond 78P: WQU1 Peak Elev=371.20' Inflow=11.33 cfs 0.977 af
24.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=11.33 cfs 0.977 af

Pond 79P: Underground Infiltration Peak Elev=371.14' Storage=13,024 cf Inflow=11.33 cfs 0.977 af
Discarded=0.67 cfs 0.819 af Primary=2.15 cfs 0.158 af Outflow=2.82 cfs 0.977 af

Pond 80P: CB35 Peak Elev=378.84' Inflow=0.98 cfs 0.085 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.98 cfs 0.085 af

Pond 81P: CB32 Peak Elev=380.75' Inflow=4.26 cfs 0.366 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=4.26 cfs 0.366 af

Pond 82P: CB33 Peak Elev=380.93' Inflow=1.89 cfs 0.164 af
15.0" Round Culvert n=0.013 L=113.7' S=0.0717 '/' Outflow=1.89 cfs 0.164 af

Pond 84P: CB42 Peak Elev=369.13' Inflow=5.59 cfs 0.675 af
18.0" Round Culvert n=0.013 L=98.0' S=0.0039 '/' Outflow=5.59 cfs 0.675 af

Pond 85P: CB5 Peak Elev=390.03' Inflow=3.77 cfs 0.328 af
12.0" Round Culvert n=0.013 L=144.9' S=0.0455 '/' Outflow=3.77 cfs 0.328 af

Pond 86P: CB4 Peak Elev=389.92' Inflow=0.36 cfs 0.032 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.36 cfs 0.032 af

Pond 87P: CB6 Peak Elev=387.78' Inflow=5.24 cfs 0.455 af
12.0" Round Culvert n=0.013 L=146.0' S=0.0455 '/' Outflow=5.24 cfs 0.455 af

Pond 88P: CB31 Peak Elev=381.56' Inflow=0.36 cfs 0.032 af
12.0" Round Culvert n=0.013 L=149.0' S=0.0255 '/' Outflow=0.36 cfs 0.032 af

Pond 89P: CB7 Peak Elev=383.33' Inflow=7.48 cfs 0.687 af
12.0" Round Culvert n=0.013 L=147.7' S=0.0455 '/' Outflow=7.48 cfs 0.687 af

Pond 90P: CB48 Peak Elev=371.78' Inflow=3.43 cfs 0.295 af
15.0" Round Culvert n=0.013 L=123.7' S=0.0100 '/' Outflow=3.43 cfs 0.295 af

Pond 92P: CB8 Peak Elev=374.15' Inflow=9.05 cfs 0.823 af
15.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=9.05 cfs 0.823 af

Pond 93P: CB9 Peak Elev=370.39' Inflow=9.44 cfs 0.858 af
18.0" Round Culvert n=0.013 L=35.7' S=0.0151 '/' Outflow=9.44 cfs 0.858 af

Pond 95P: CB49 Peak Elev=371.99' Inflow=1.42 cfs 0.124 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.42 cfs 0.124 af

Pond 96P: CB50 Peak Elev=371.25' Inflow=6.02 cfs 0.518 af
18.0" Round Culvert n=0.013 L=120.0' S=0.0092 '/' Outflow=6.02 cfs 0.518 af

Pond 97P: CB51 Peak Elev=371.35' Inflow=1.20 cfs 0.103 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.20 cfs 0.103 af

Pond 98P: CB52 Peak Elev=370.48' Inflow=8.88 cfs 0.766 af
18.0" Round Culvert n=0.013 L=114.0' S=0.0085 '/' Outflow=8.88 cfs 0.766 af

Pond 99P: CB53 Peak Elev=370.72' Inflow=1.51 cfs 0.131 af
12.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=1.51 cfs 0.131 af

Pond 100P: CB54 Peak Elev=368.83' Inflow=13.56 cfs 1.547 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0050 '/' Outflow=13.56 cfs 1.547 af

Pond 101P: CB55 Peak Elev=368.32' Inflow=14.75 cfs 1.650 af
30.0" Round Culvert n=0.013 L=24.0' S=0.0683 '/' Outflow=14.75 cfs 1.650 af

Pond 102P: CB43 Peak Elev=367.65' Inflow=46.85 cfs 5.019 af
48.0" Round Culvert n=0.013 L=52.2' S=0.0050 '/' Outflow=46.93 cfs 5.019 af

Pond 103P: CB44 Peak Elev=368.90' Inflow=30.29 cfs 3.052 af
36.0" Round Culvert n=0.013 L=52.5' S=0.0050 '/' Outflow=30.28 cfs 3.052 af

Pond 105P: DMH56 Peak Elev=367.11' Inflow=46.93 cfs 5.019 af
48.0" Round Culvert n=0.013 L=97.7' S=0.0050 '/' Outflow=46.92 cfs 5.019 af

Pond 106P: DMH57 Peak Elev=366.55' Inflow=46.92 cfs 5.019 af
48.0" Round Culvert n=0.013 L=77.5' S=0.0049 '/' Outflow=47.12 cfs 5.019 af

Pond 107P: WQU58 Peak Elev=365.94' Inflow=47.12 cfs 5.019 af
48.0" Round Culvert n=0.013 L=67.3' S=0.0051 '/' Outflow=47.92 cfs 5.019 af

Link 9L: DP1 Inflow=85.98 cfs 9.350 af
Primary=85.98 cfs 9.350 af

Summary for Subcatchment 1S: 1S

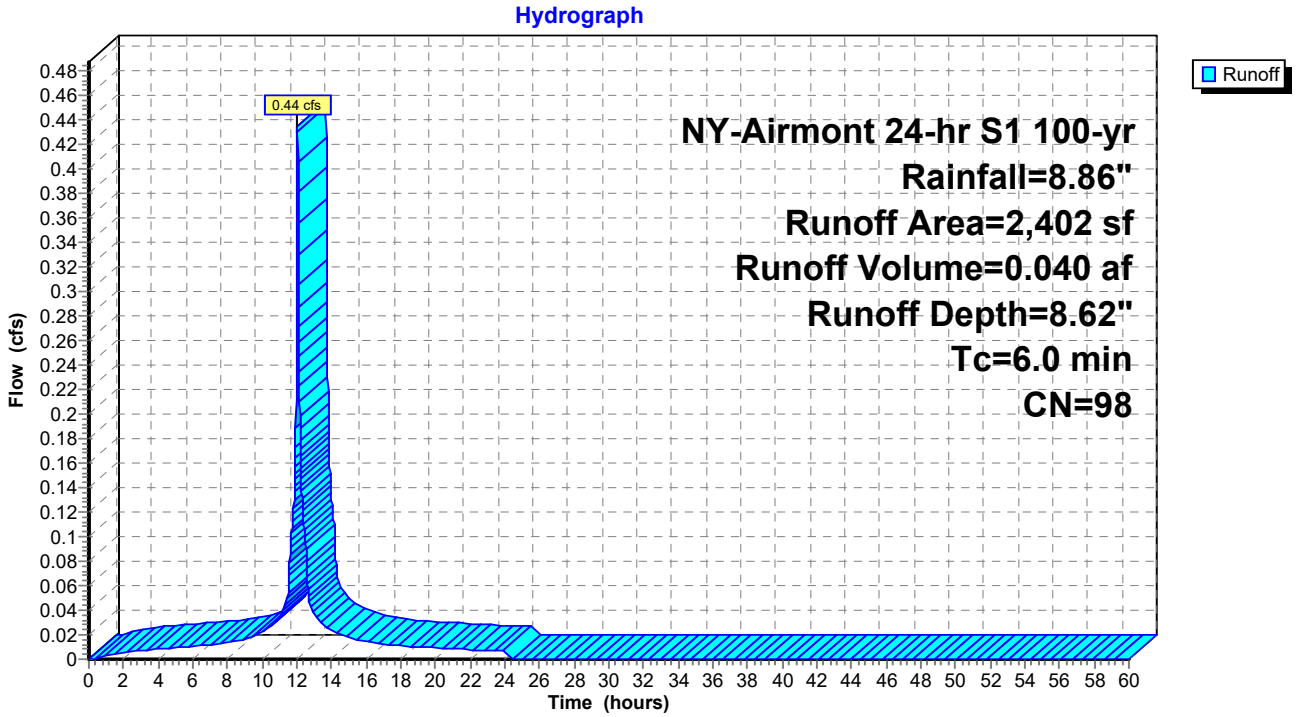
Runoff = 0.44 cfs @ 12.04 hrs, Volume= 0.040 af, Depth= 8.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
2,402	98	Paved parking, HSG C
2,402		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 1S: 1S



Summary for Subcatchment 2S: 2S

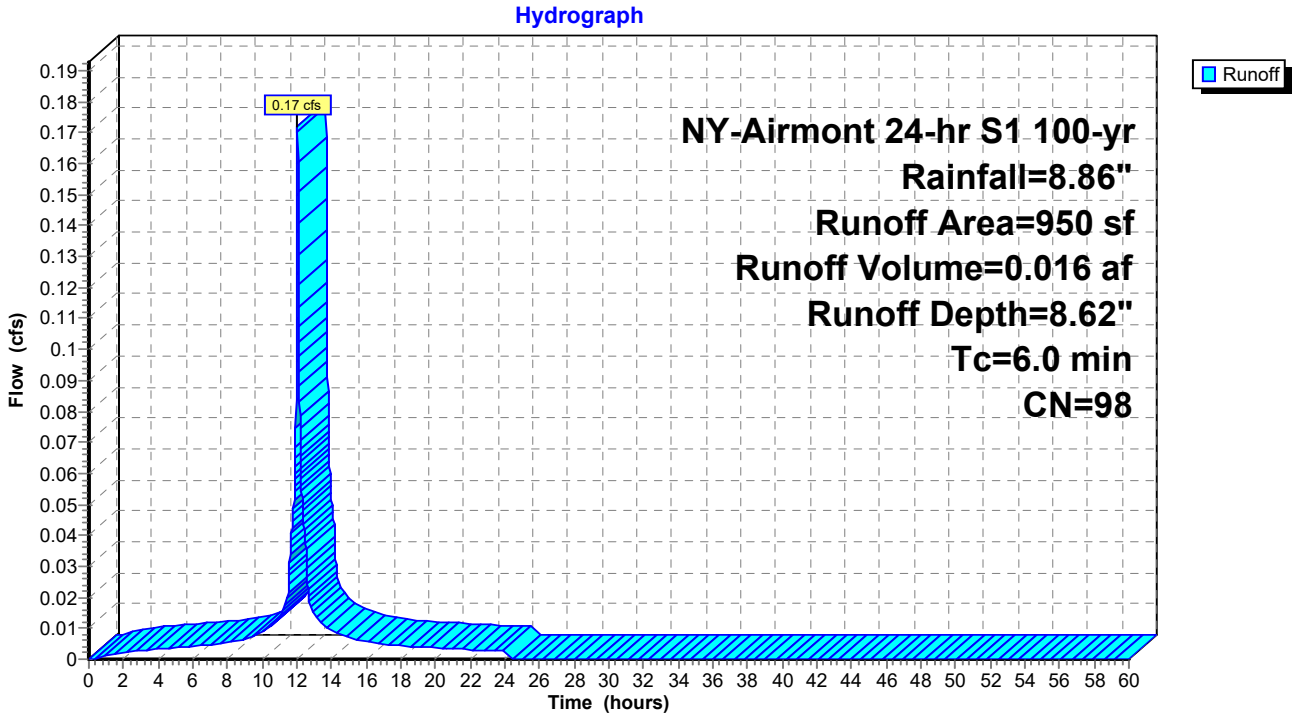
Runoff = 0.17 cfs @ 12.04 hrs, Volume= 0.016 af, Depth= 8.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
950	98	Paved parking, HSG C
950		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 2S: 2S



Summary for Subcatchment 3S: 3S

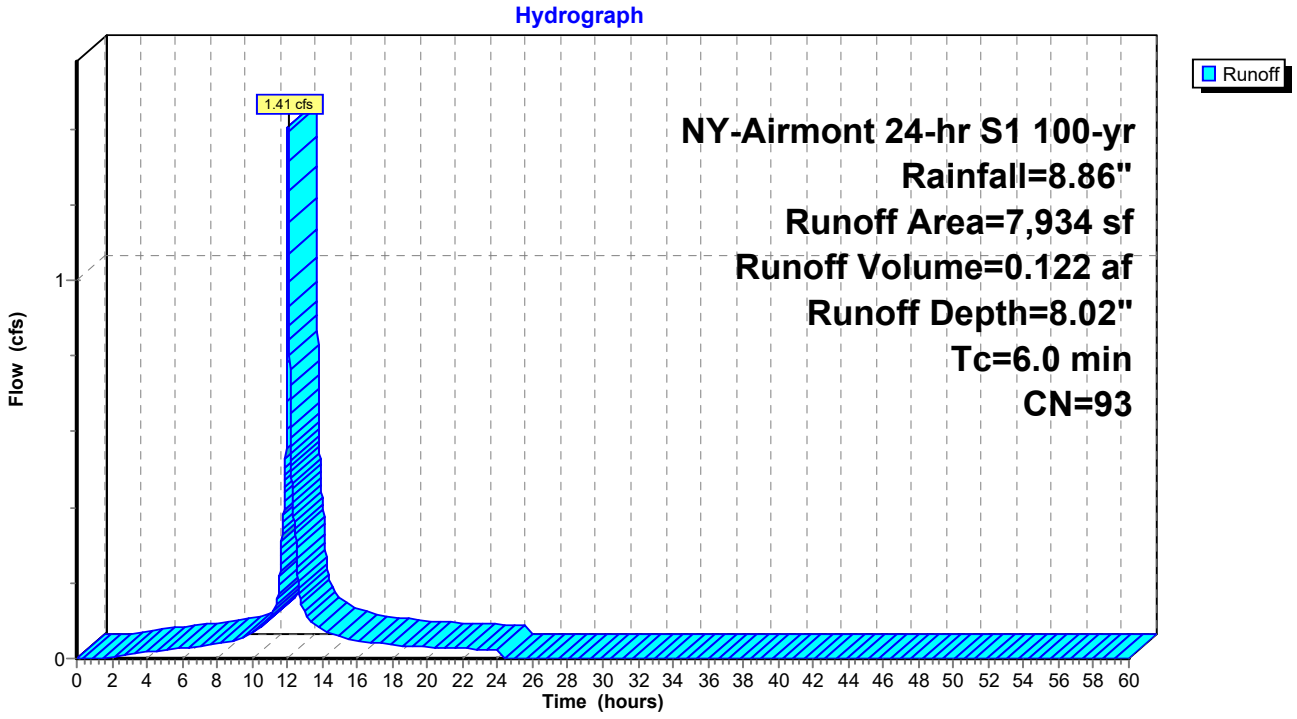
Runoff = 1.41 cfs @ 12.04 hrs, Volume= 0.122 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,629	74	>75% Grass cover, Good, HSG C
6,305	98	Paved parking, HSG C
7,934	93	Weighted Average
1,629		20.53% Pervious Area
6,305		79.47% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 3S: 3S



Summary for Subcatchment 4S: 4S

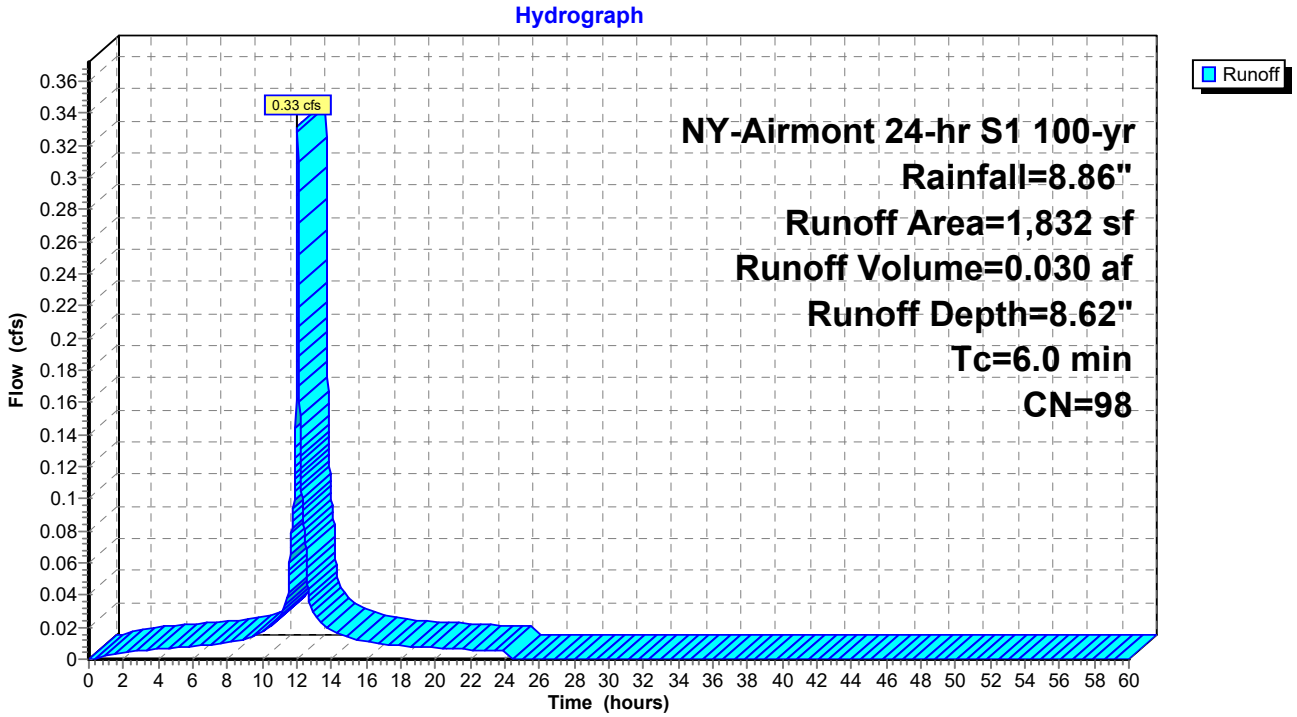
Runoff = 0.33 cfs @ 12.04 hrs, Volume= 0.030 af, Depth= 8.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,832	98	Paved parking, HSG C
1,832		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 4S: 4S



Summary for Subcatchment 5S: 5S

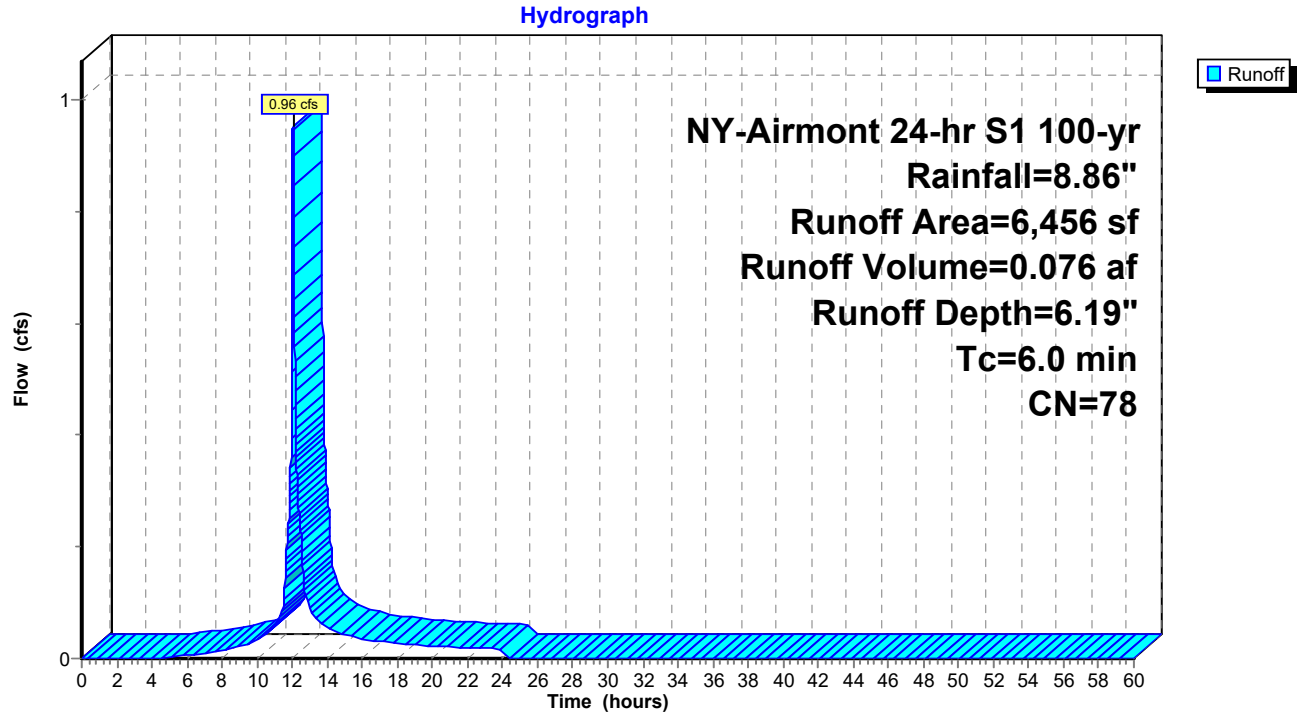
Runoff = 0.96 cfs @ 12.04 hrs, Volume= 0.076 af, Depth= 6.19"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
964	98	Paved parking, HSG C
5,492	74	>75% Grass cover, Good, HSG C
6,456	78	Weighted Average
5,492		85.07% Pervious Area
964		14.93% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 5S: 5S



Summary for Subcatchment 6S: 6S

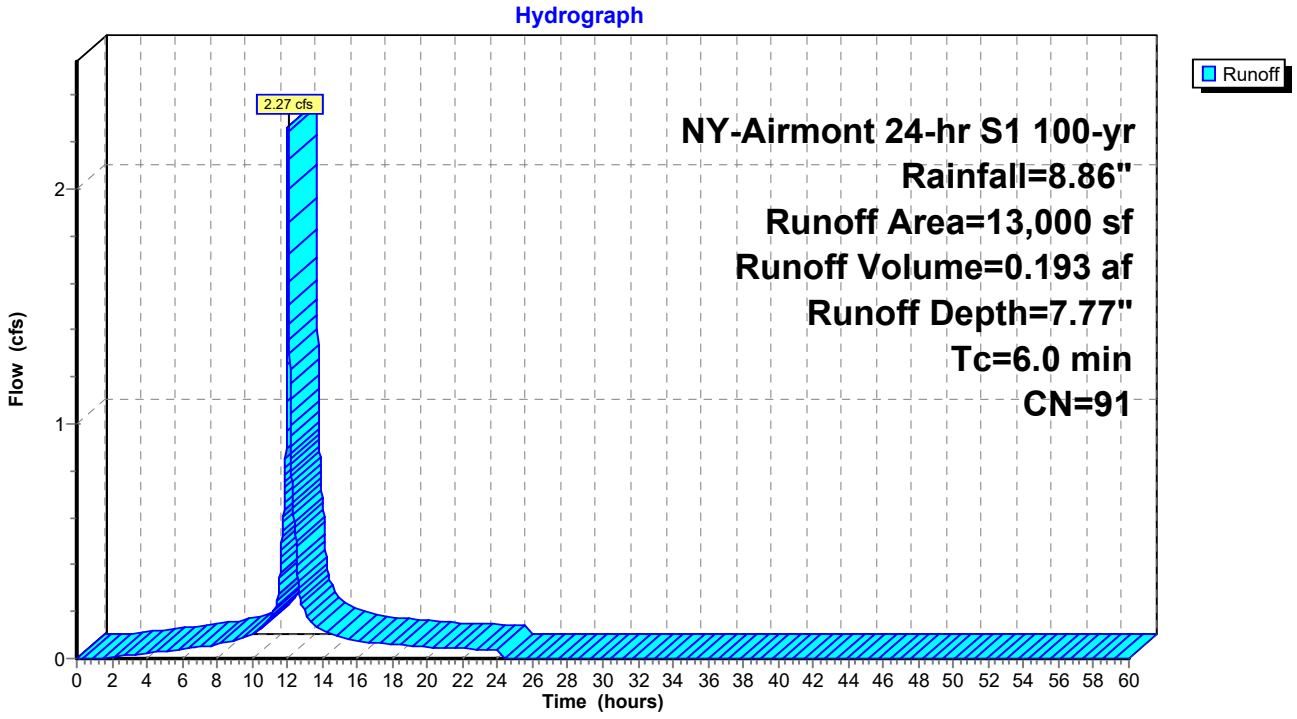
Runoff = 2.27 cfs @ 12.04 hrs, Volume= 0.193 af, Depth= 7.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
3,988	74	>75% Grass cover, Good, HSG C
9,012	98	Paved parking, HSG C
13,000	91	Weighted Average
3,988		30.68% Pervious Area
9,012		69.32% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 6S: 6S



Summary for Subcatchment 7S: 7S

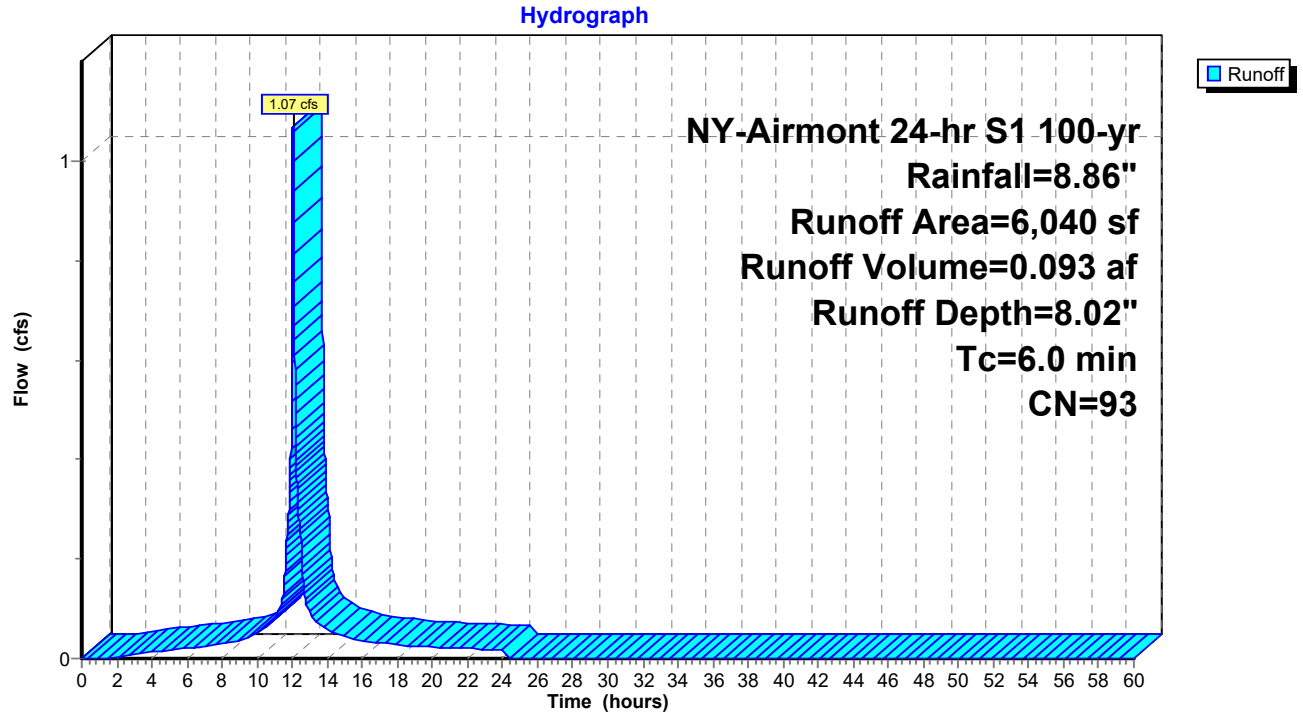
Runoff = 1.07 cfs @ 12.04 hrs, Volume= 0.093 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,234	74	>75% Grass cover, Good, HSG C
4,806	98	Paved parking, HSG C
6,040	93	Weighted Average
1,234		20.43% Pervious Area
4,806		79.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 7S: 7S



Summary for Subcatchment 8S: 8S

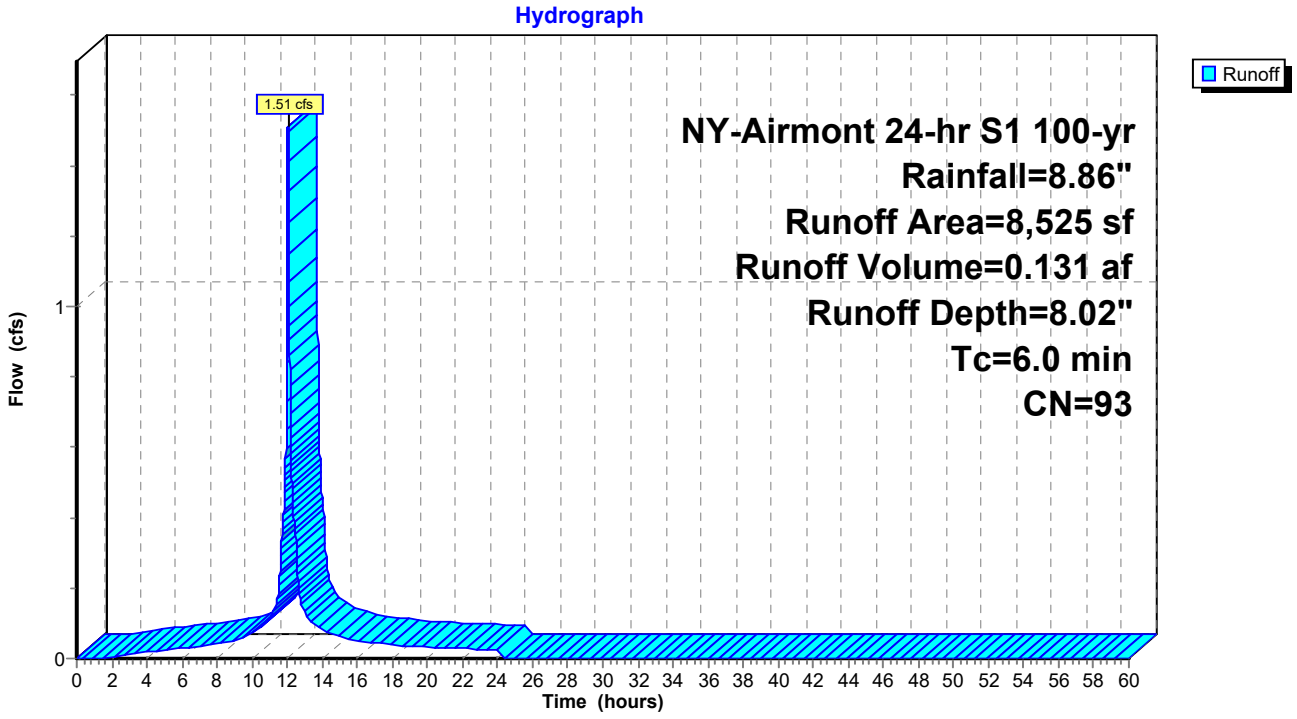
Runoff = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,603	74	>75% Grass cover, Good, HSG C
6,922	98	Paved parking, HSG C
8,525	93	Weighted Average
1,603		18.80% Pervious Area
6,922		81.20% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 8S: 8S



Summary for Subcatchment 9S: 9S

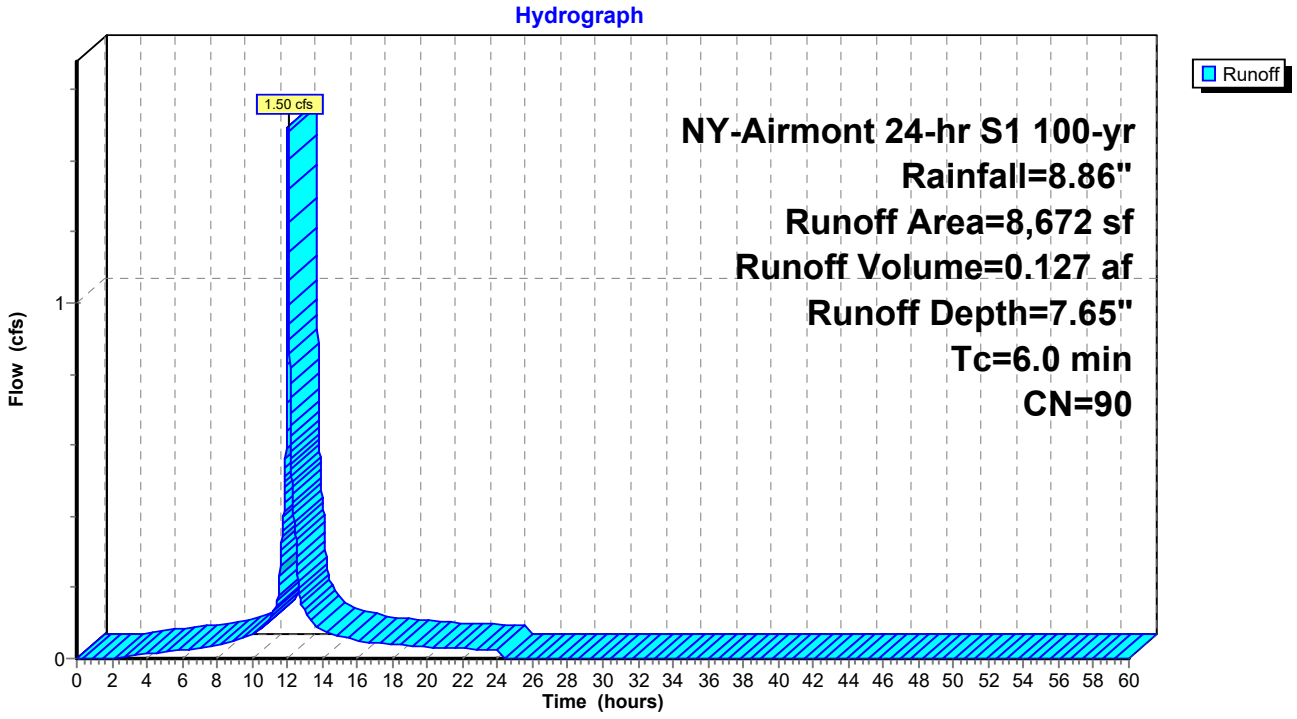
Runoff = 1.50 cfs @ 12.04 hrs, Volume= 0.127 af, Depth= 7.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
2,839	74	>75% Grass cover, Good, HSG C
5,833	98	Paved parking, HSG C
8,672	90	Weighted Average
2,839		32.74% Pervious Area
5,833		67.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 9S: 9S



Summary for Subcatchment 10S: 10S

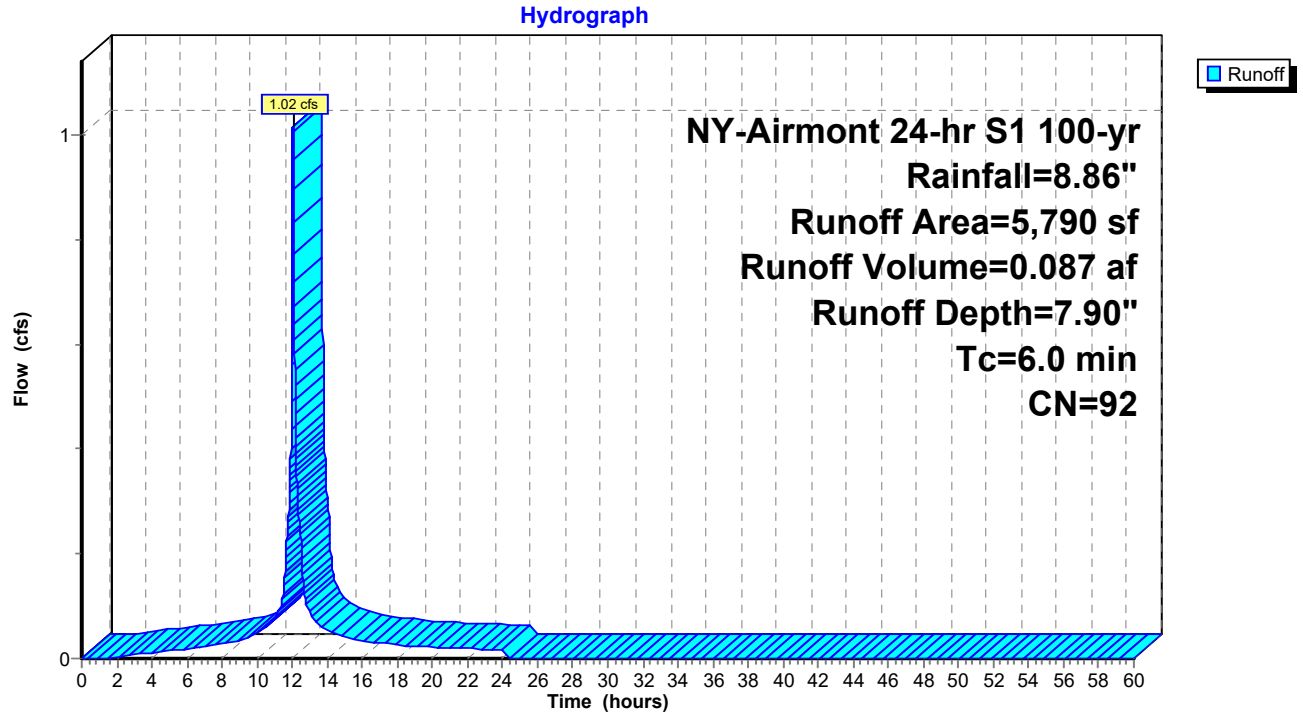
Runoff = 1.02 cfs @ 12.04 hrs, Volume= 0.087 af, Depth= 7.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,452	74	>75% Grass cover, Good, HSG C
4,338	98	Paved parking, HSG C
5,790	92	Weighted Average
1,452		25.08% Pervious Area
4,338		74.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 10S: 10S



Summary for Subcatchment 11S: 11S

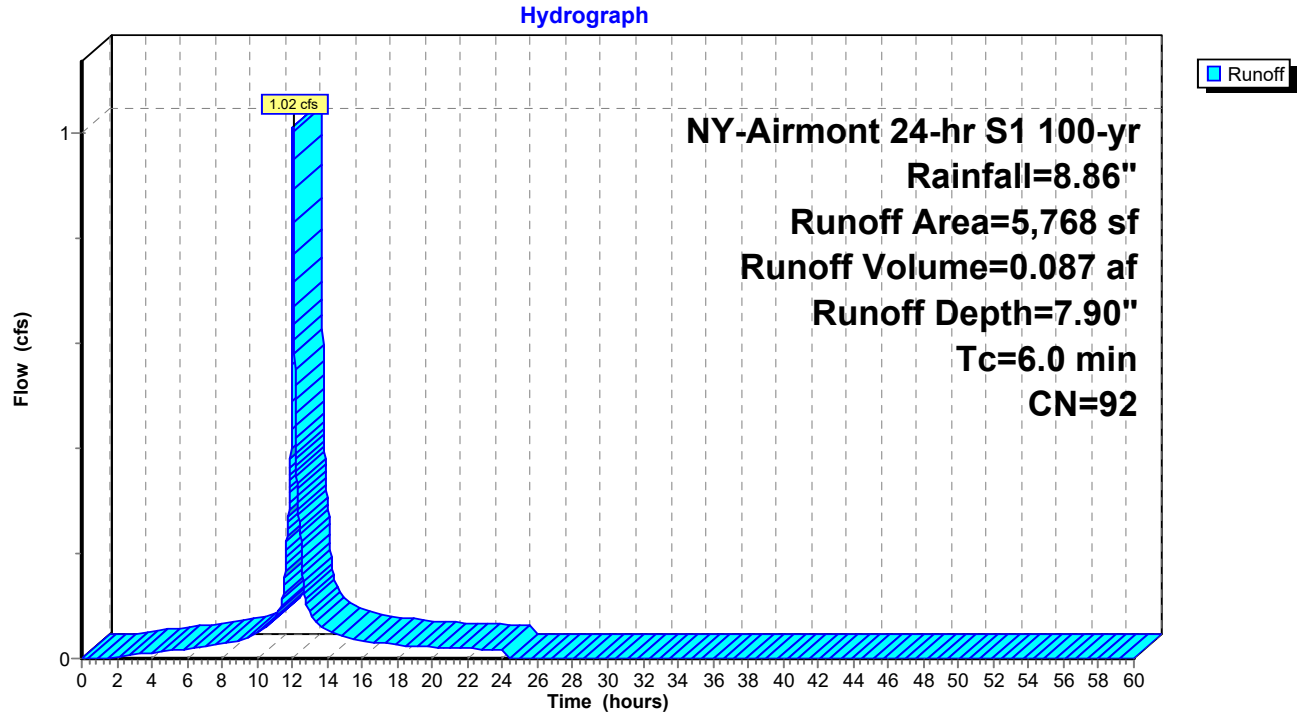
Runoff = 1.02 cfs @ 12.04 hrs, Volume= 0.087 af, Depth= 7.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,341	74	>75% Grass cover, Good, HSG C
4,427	98	Paved parking, HSG C
5,768	92	Weighted Average
1,341		23.25% Pervious Area
4,427		76.75% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 11S: 11S



Summary for Subcatchment 12S: 12S

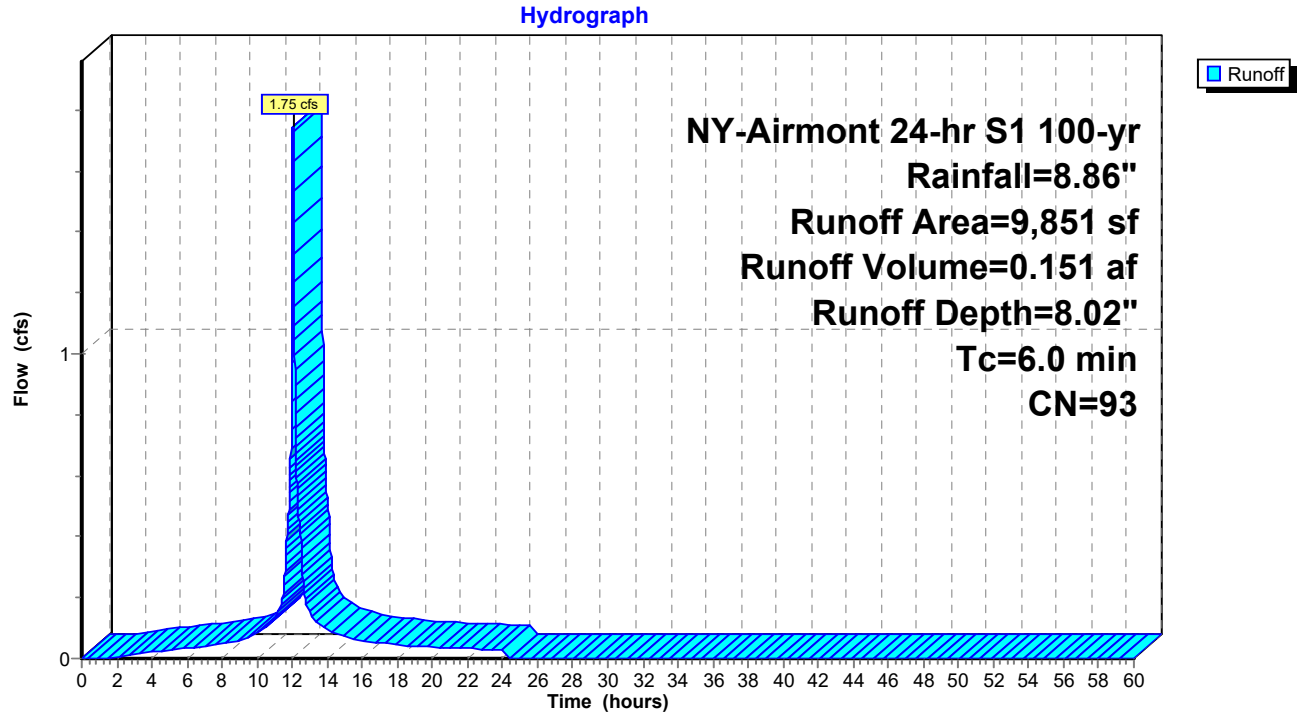
Runoff = 1.75 cfs @ 12.04 hrs, Volume= 0.151 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
2,026	74	>75% Grass cover, Good, HSG C
7,825	98	Paved parking, HSG C
9,851	93	Weighted Average
2,026		20.57% Pervious Area
7,825		79.43% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 12S: 12S



Summary for Subcatchment 13S: 13S

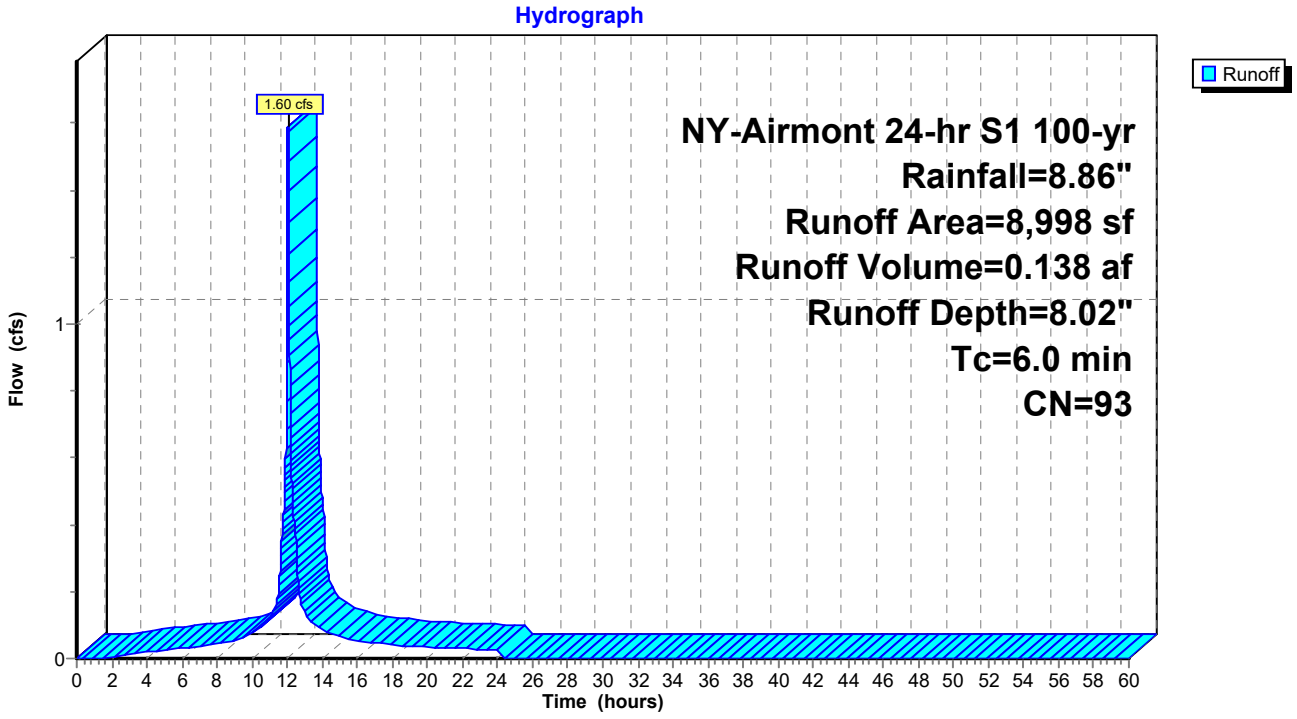
Runoff = 1.60 cfs @ 12.04 hrs, Volume= 0.138 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,766	74	>75% Grass cover, Good, HSG C
7,232	98	Paved parking, HSG C
8,998	93	Weighted Average
1,766		19.63% Pervious Area
7,232		80.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 13S: 13S



Summary for Subcatchment 14S: 14S

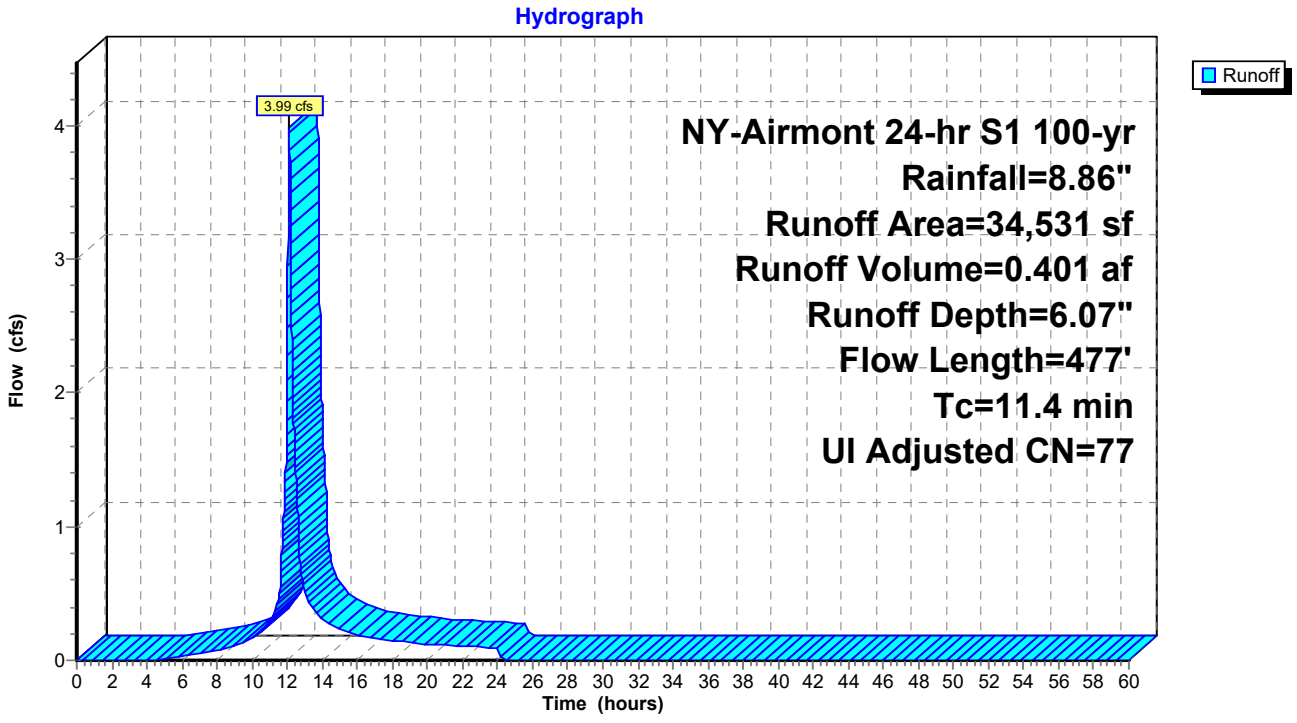
Runoff = 3.99 cfs @ 12.11 hrs, Volume= 0.401 af, Depth= 6.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Adj	Description
9,957	98		Unconnected pavement, HSG C
24,574	74		>75% Grass cover, Good, HSG C
34,531	81	77	Weighted Average, UI Adjusted
24,574			71.17% Pervious Area
9,957			28.83% Impervious Area
9,957			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	100	0.0600	0.27		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.2	377	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
11.4	477	Total			

Subcatchment 14S: 14S



Summary for Subcatchment 15S: 15S

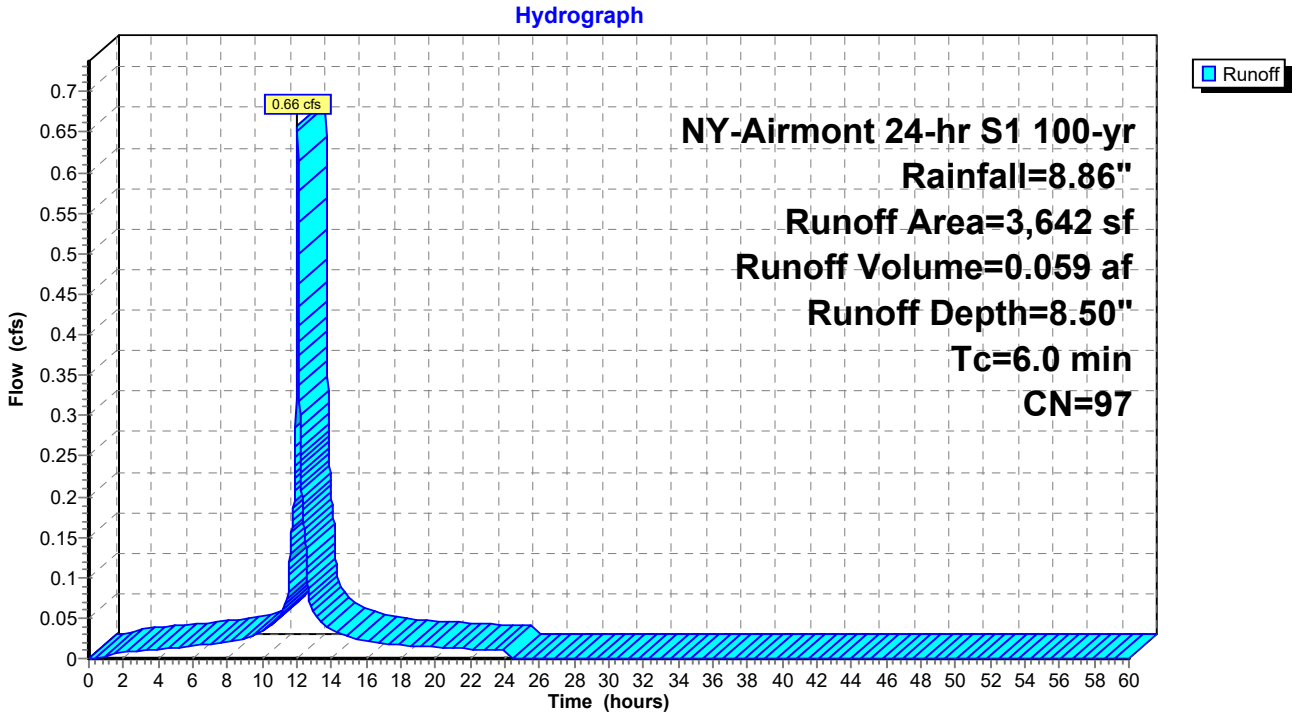
Runoff = 0.66 cfs @ 12.04 hrs, Volume= 0.059 af, Depth= 8.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
89	74	>75% Grass cover, Good, HSG C
3,553	98	Paved parking, HSG C
3,642	97	Weighted Average
89		2.44% Pervious Area
3,553		97.56% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 15S: 15S



Summary for Subcatchment 16S: 16S

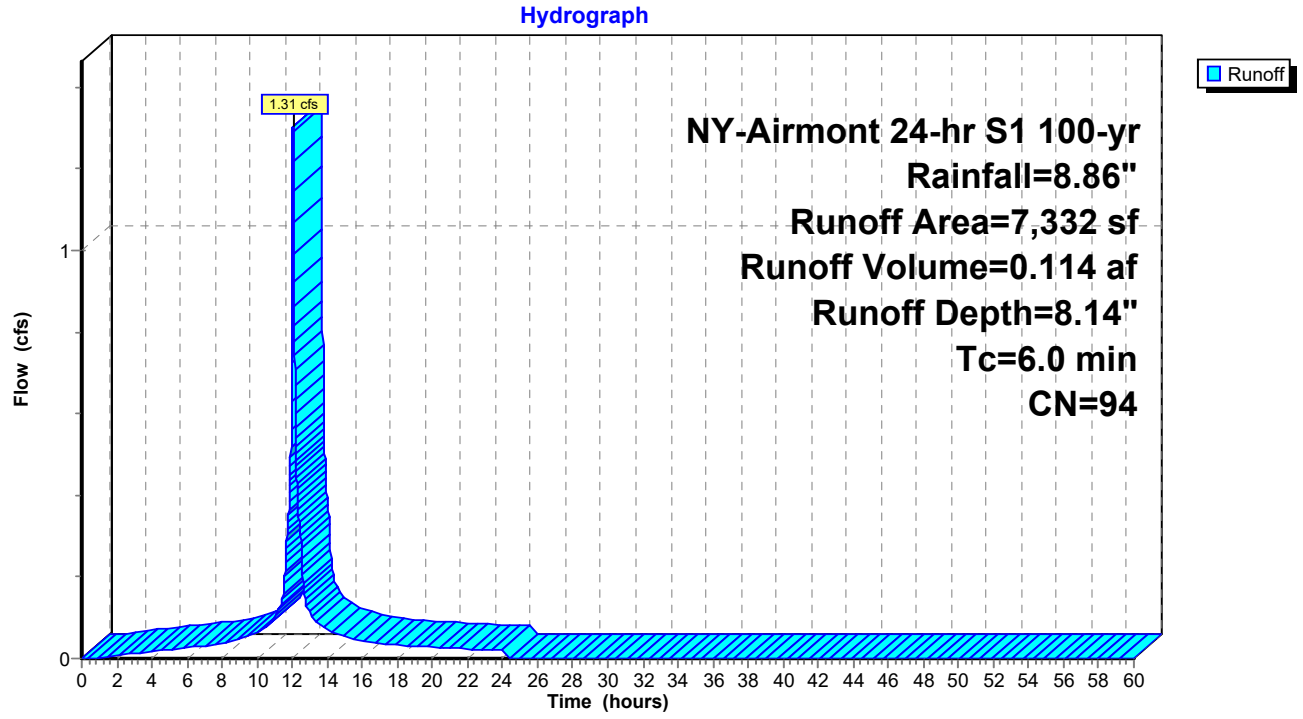
Runoff = 1.31 cfs @ 12.04 hrs, Volume= 0.114 af, Depth= 8.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,348	74	>75% Grass cover, Good, HSG C
5,984	98	Paved parking, HSG C
7,332	94	Weighted Average
1,348		18.39% Pervious Area
5,984		81.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 16S: 16S



Summary for Subcatchment 17S: 17S

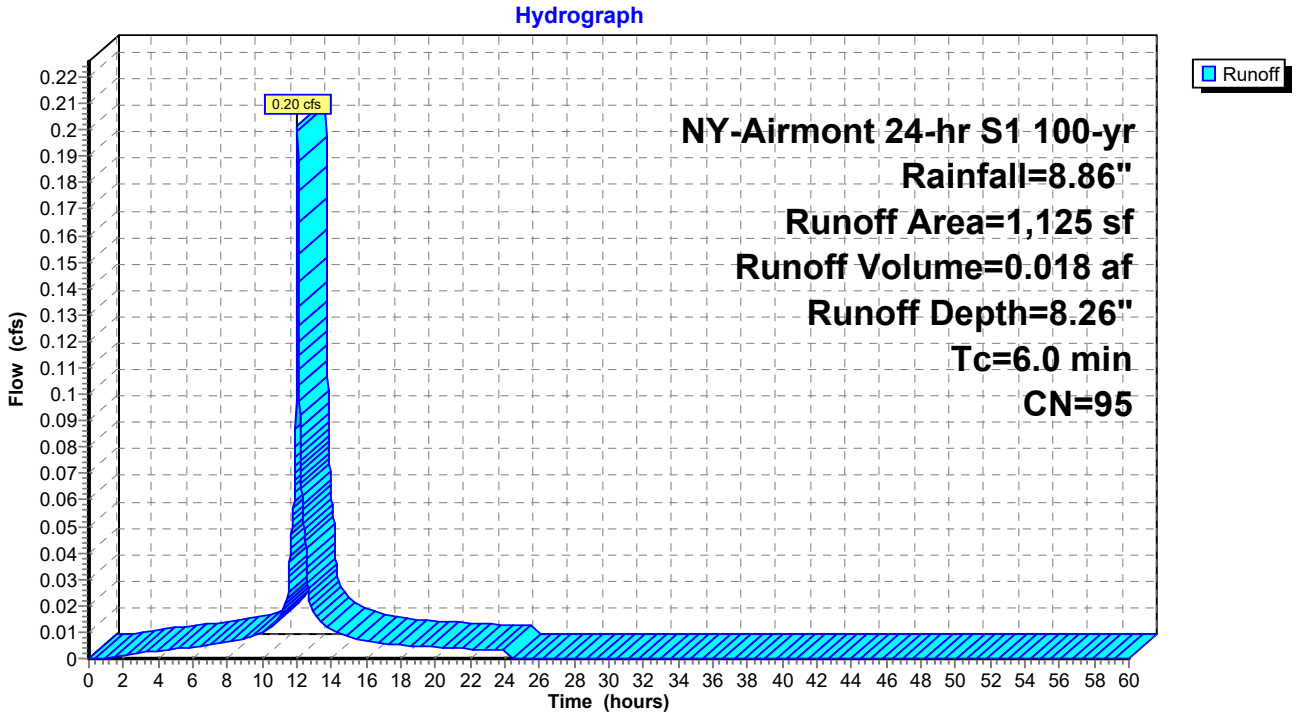
Runoff = 0.20 cfs @ 12.04 hrs, Volume= 0.018 af, Depth= 8.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
153	74	>75% Grass cover, Good, HSG C
972	98	Paved parking, HSG C
1,125	95	Weighted Average
153		13.60% Pervious Area
972		86.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 17S: 17S



Summary for Subcatchment 18S: 18S

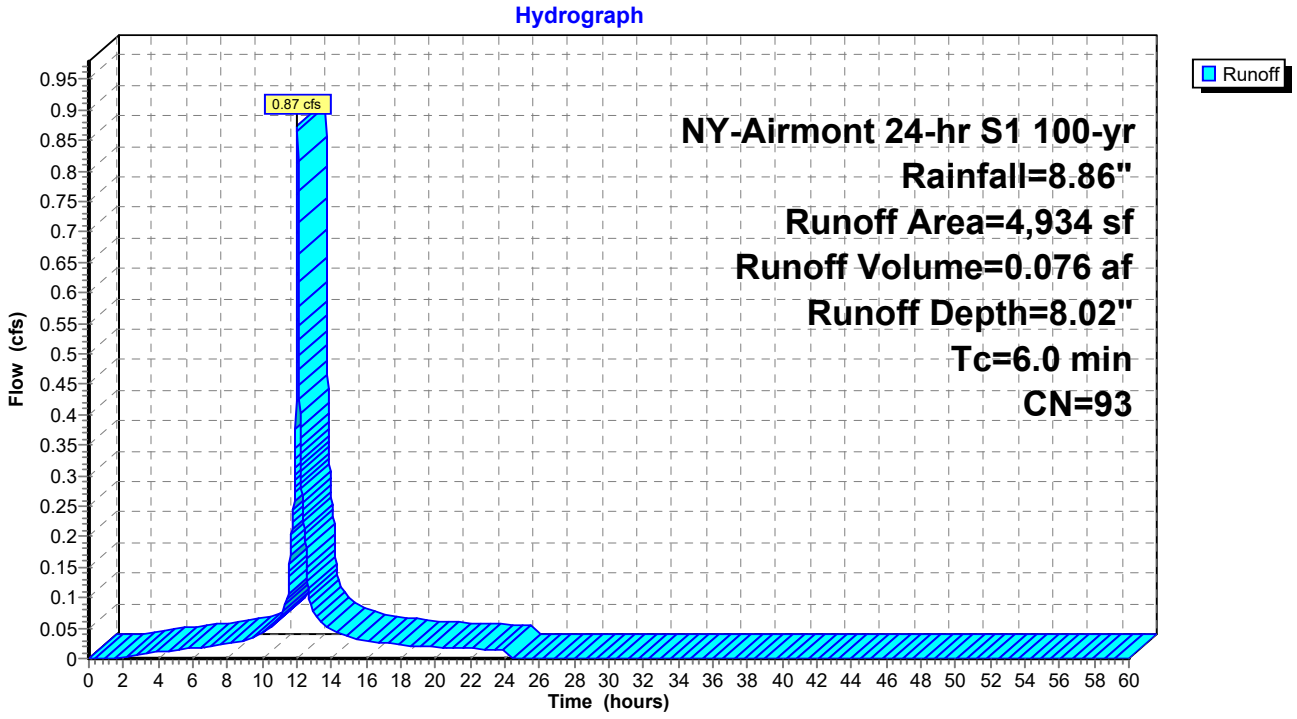
Runoff = 0.87 cfs @ 12.04 hrs, Volume= 0.076 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
974	74	>75% Grass cover, Good, HSG C
3,960	98	Paved parking, HSG C
4,934	93	Weighted Average
974		19.74% Pervious Area
3,960		80.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 18S: 18S



Summary for Subcatchment 19S: 19S

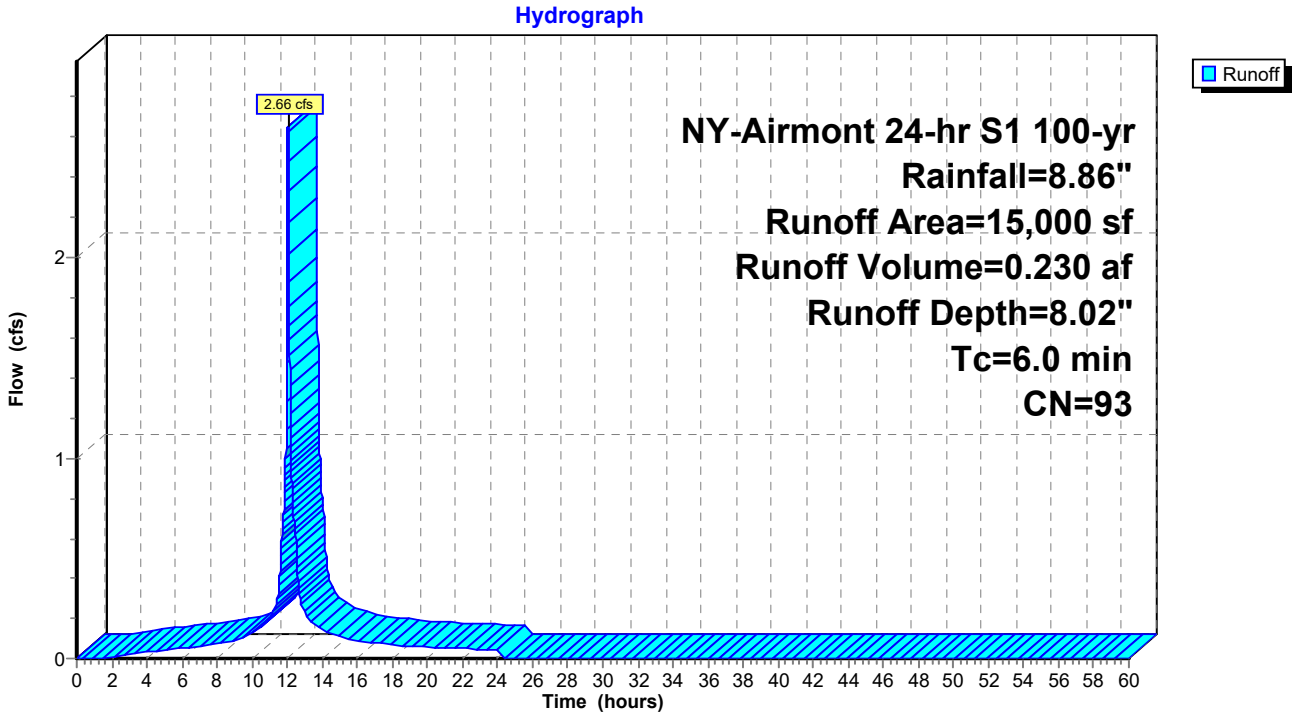
Runoff = 2.66 cfs @ 12.04 hrs, Volume= 0.230 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
2,892	74	>75% Grass cover, Good, HSG C
12,108	98	Paved parking, HSG C
15,000	93	Weighted Average
2,892		19.28% Pervious Area
12,108		80.72% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 19S: 19S



Summary for Subcatchment 20S: 20S

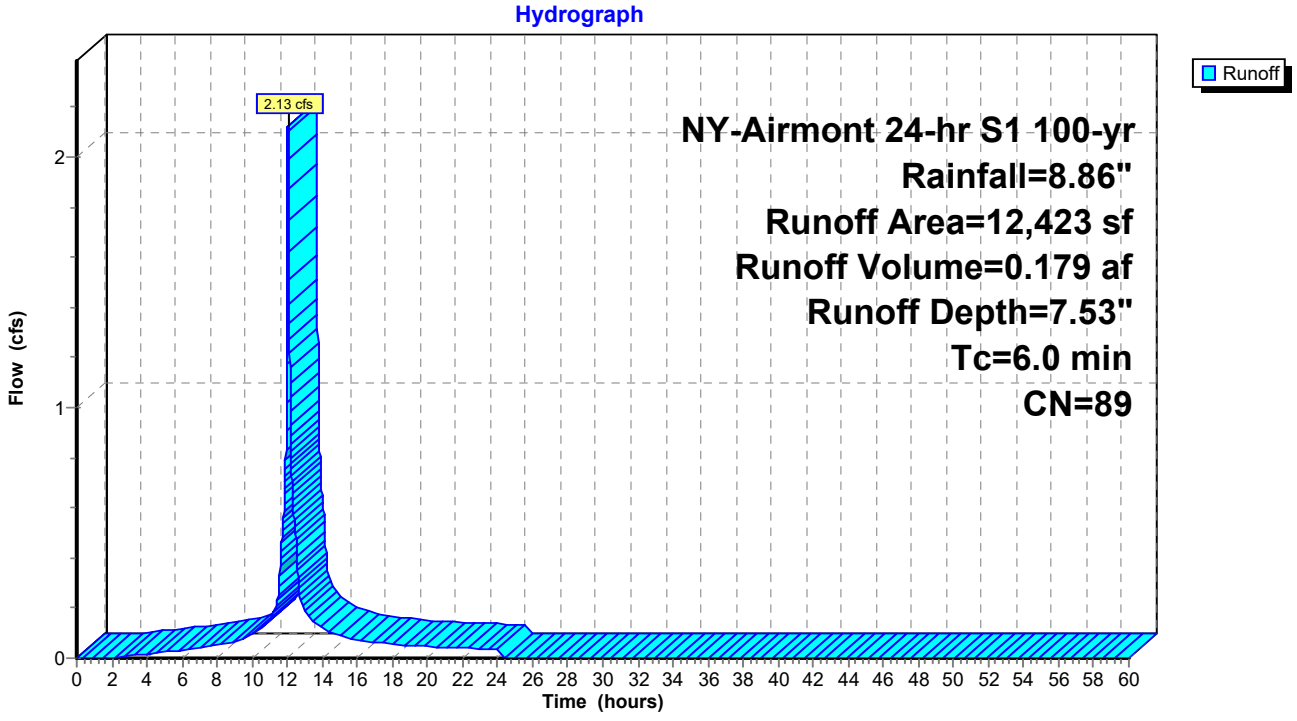
Runoff = 2.13 cfs @ 12.04 hrs, Volume= 0.179 af, Depth= 7.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
7,639	98	Unconnected pavement, HSG C
4,784	74	>75% Grass cover, Good, HSG C
12,423	89	Weighted Average
4,784		38.51% Pervious Area
7,639		61.49% Impervious Area
7,639		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 20S: 20S



Summary for Subcatchment 21S: 21S

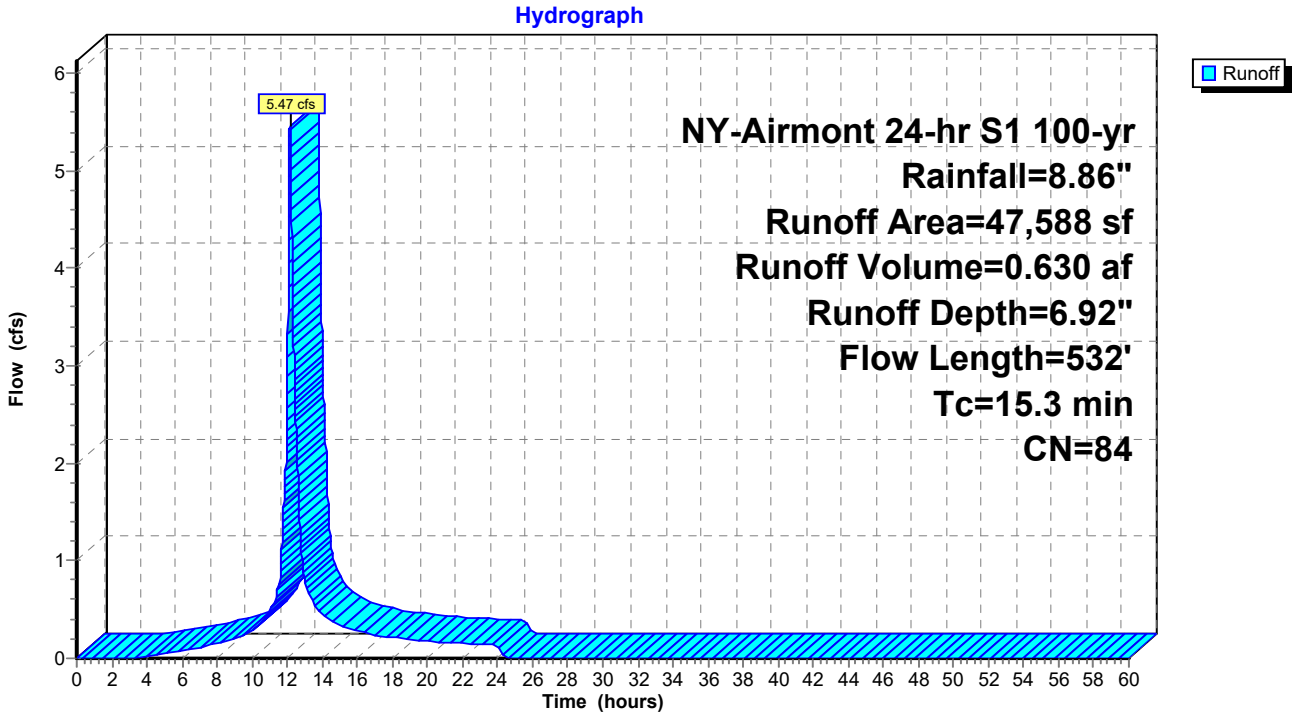
Runoff = 5.47 cfs @ 12.16 hrs, Volume= 0.630 af, Depth= 6.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
28,095	74	>75% Grass cover, Good, HSG C
19,493	98	Unconnected pavement, HSG C
47,588	84	Weighted Average
28,095		59.04% Pervious Area
19,493		40.96% Impervious Area
19,493		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.0	59	0.0600	0.24		**Sheet Flow, SF1** Grass: Short n= 0.150 P2= 3.37"
2.7	41	0.0800	0.25		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
1.8	132	0.0300	1.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
4.6	136	0.0050	0.49		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
0.2	20	0.1000	2.21		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
2.0	144	0.0300	1.21		**Shallow Concentrated Flow, SCF4** Short Grass Pasture Kv= 7.0 fps
15.3	532	Total			

Subcatchment 21S: 21S



Summary for Subcatchment 22S: 22S

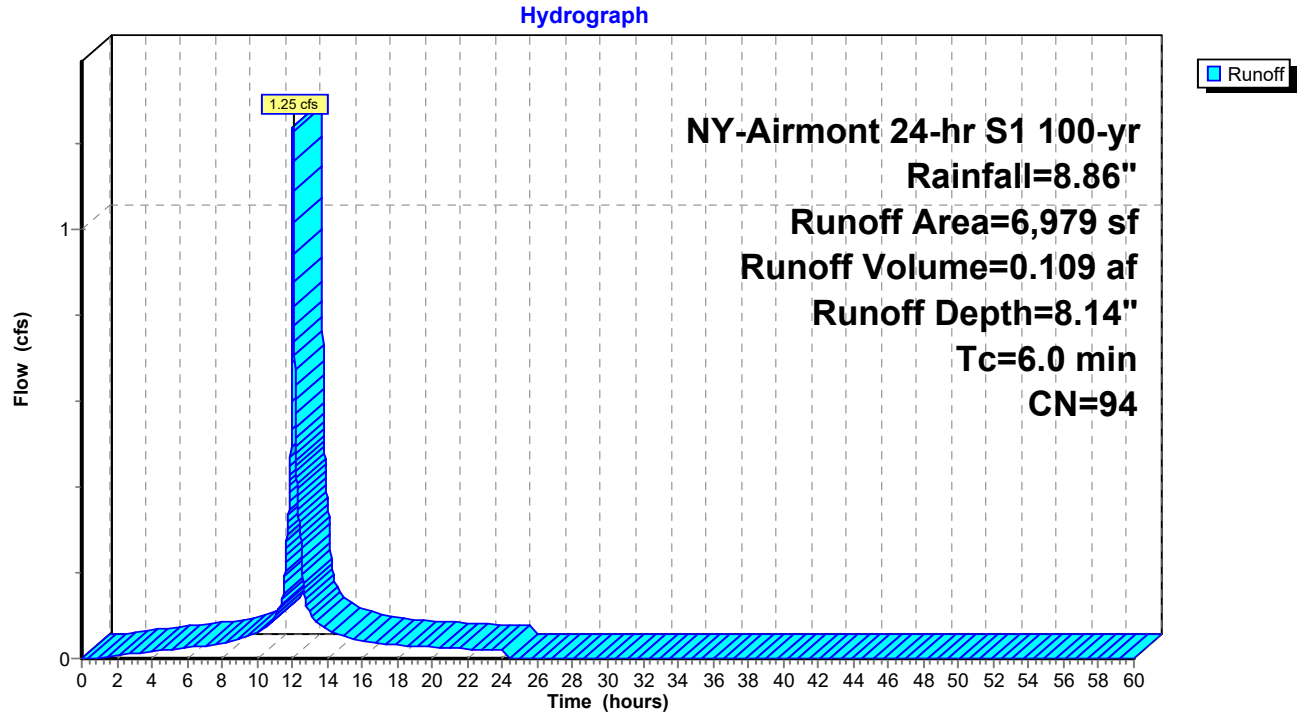
Runoff = 1.25 cfs @ 12.04 hrs, Volume= 0.109 af, Depth= 8.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,087	74	>75% Grass cover, Good, HSG C
5,892	98	Paved parking, HSG C
6,979	94	Weighted Average
1,087		15.58% Pervious Area
5,892		84.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 22S: 22S



Summary for Subcatchment 23S: 23S

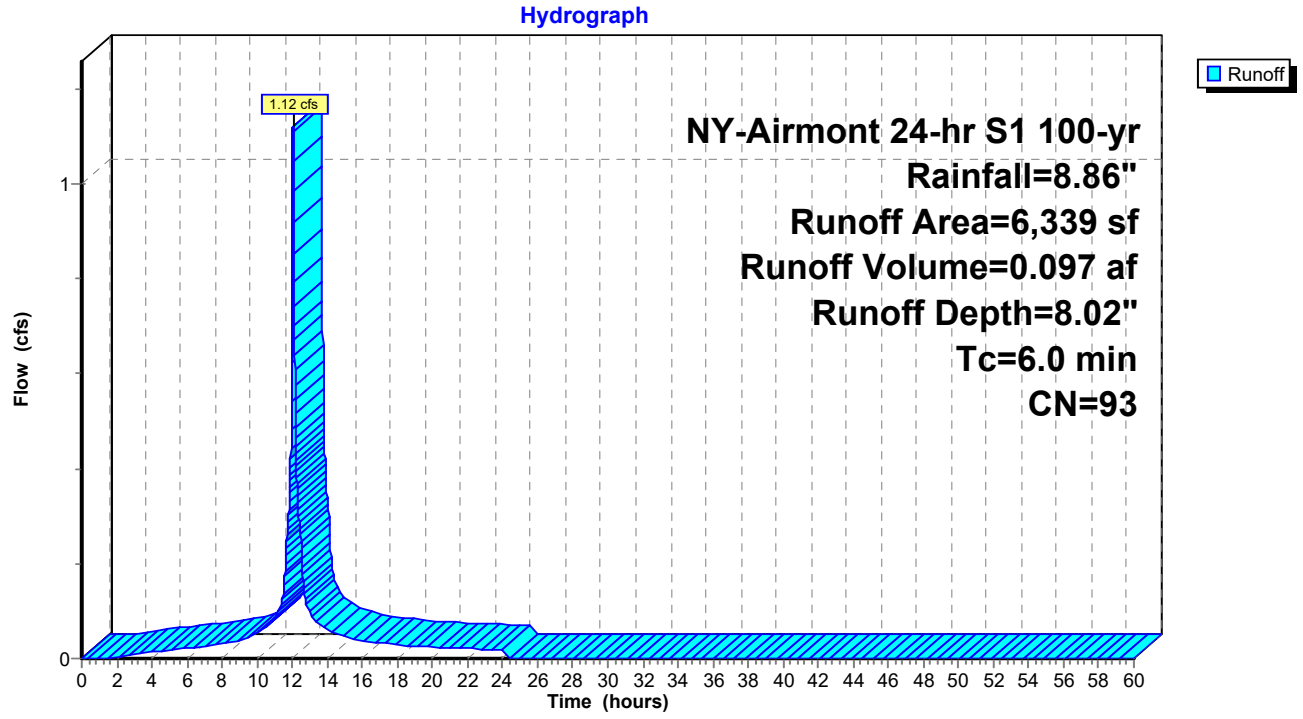
Runoff = 1.12 cfs @ 12.04 hrs, Volume= 0.097 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,368	74	>75% Grass cover, Good, HSG C
4,971	98	Paved parking, HSG C
6,339	93	Weighted Average
1,368		21.58% Pervious Area
4,971		78.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 23S: 23S



Summary for Subcatchment 24S: 24S

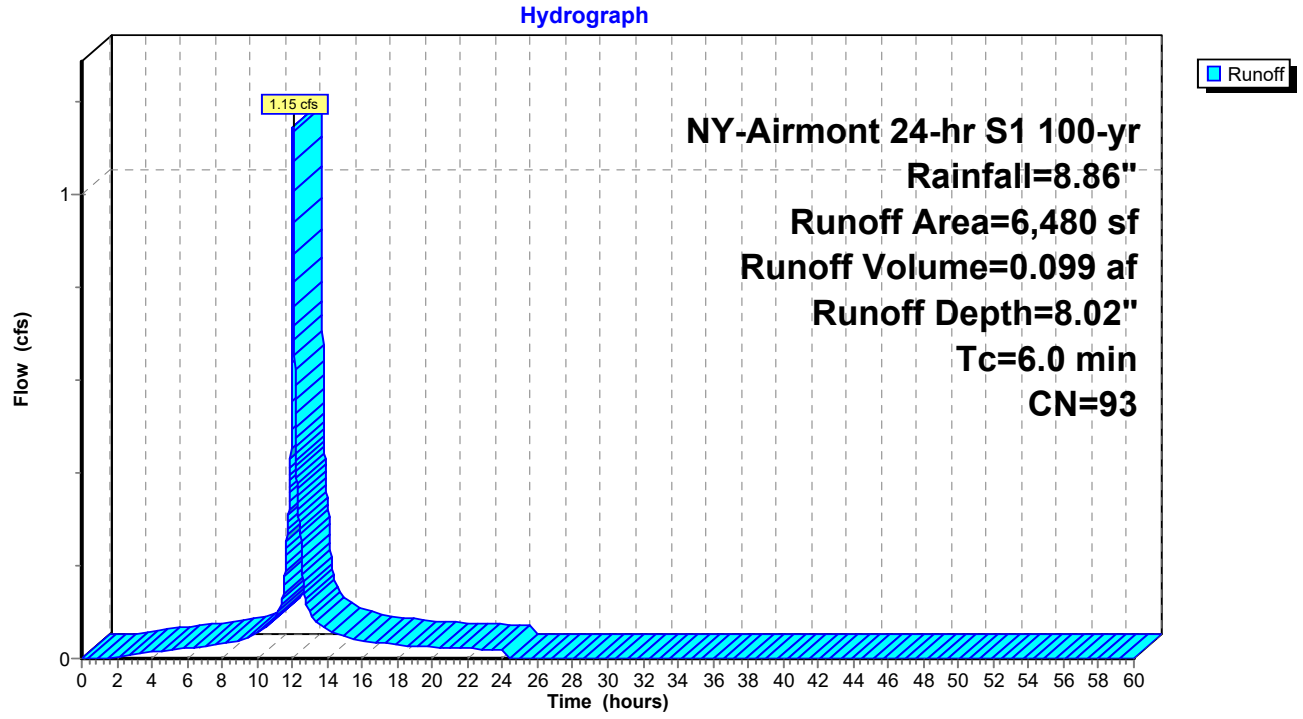
Runoff = 1.15 cfs @ 12.04 hrs, Volume= 0.099 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,407	74	>75% Grass cover, Good, HSG C
5,073	98	Paved parking, HSG C
6,480	93	Weighted Average
1,407		21.71% Pervious Area
5,073		78.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 24S: 24S



Summary for Subcatchment 25S: 25S

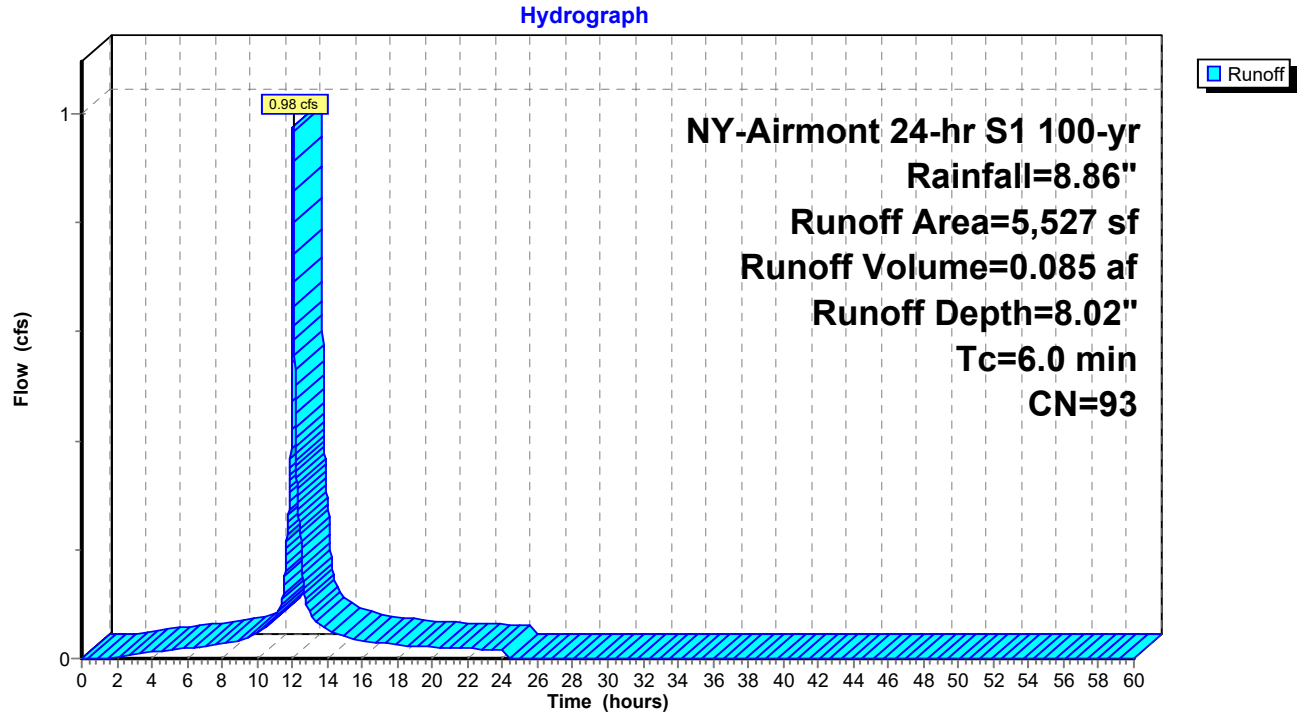
Runoff = 0.98 cfs @ 12.04 hrs, Volume= 0.085 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,206	74	>75% Grass cover, Good, HSG C
4,321	98	Paved parking, HSG C
5,527	93	Weighted Average
1,206		21.82% Pervious Area
4,321		78.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 25S: 25S



Summary for Subcatchment 26S: 26S

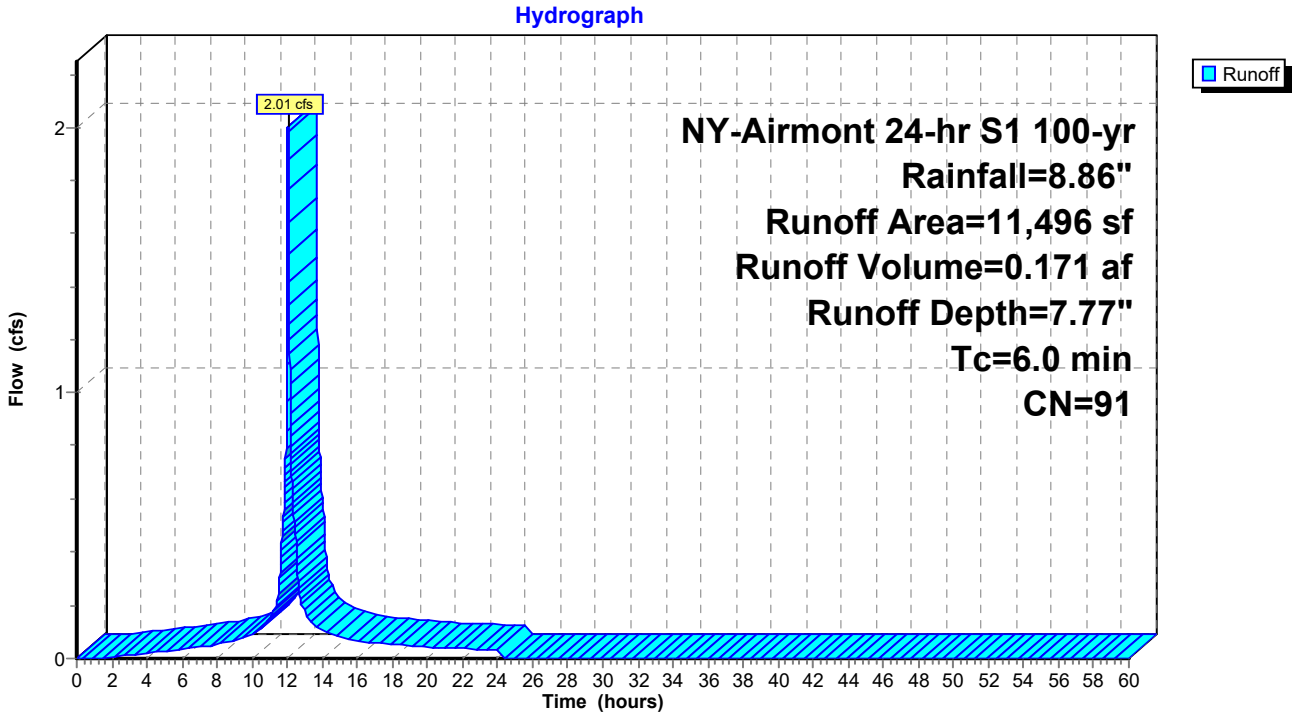
Runoff = 2.01 cfs @ 12.04 hrs, Volume= 0.171 af, Depth= 7.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
3,319	74	>75% Grass cover, Good, HSG C
8,177	98	Paved parking, HSG C
11,496	91	Weighted Average
3,319		28.87% Pervious Area
8,177		71.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 26S: 26S



Summary for Subcatchment 27S: 27S

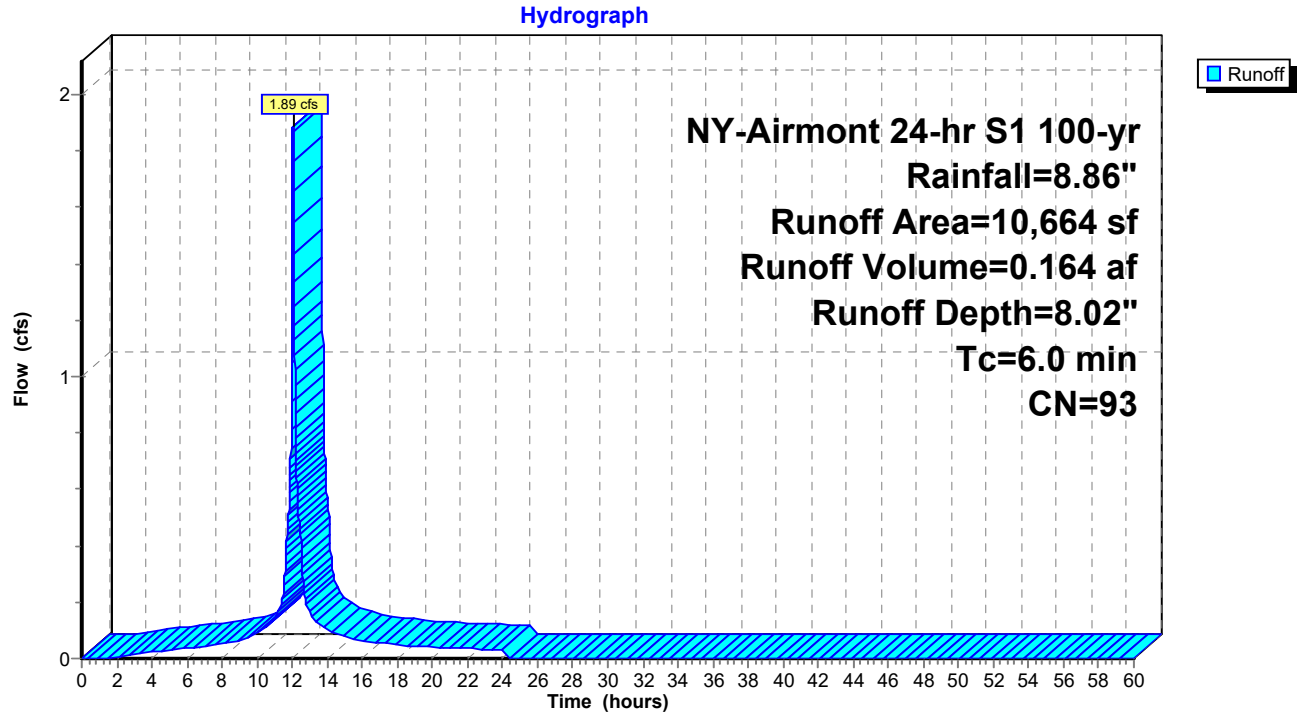
Runoff = 1.89 cfs @ 12.04 hrs, Volume= 0.164 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
2,160	74	>75% Grass cover, Good, HSG C
8,504	98	Paved parking, HSG C
10,664	93	Weighted Average
2,160		20.26% Pervious Area
8,504		79.74% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 27S: 27S



Summary for Subcatchment 28S: 28S

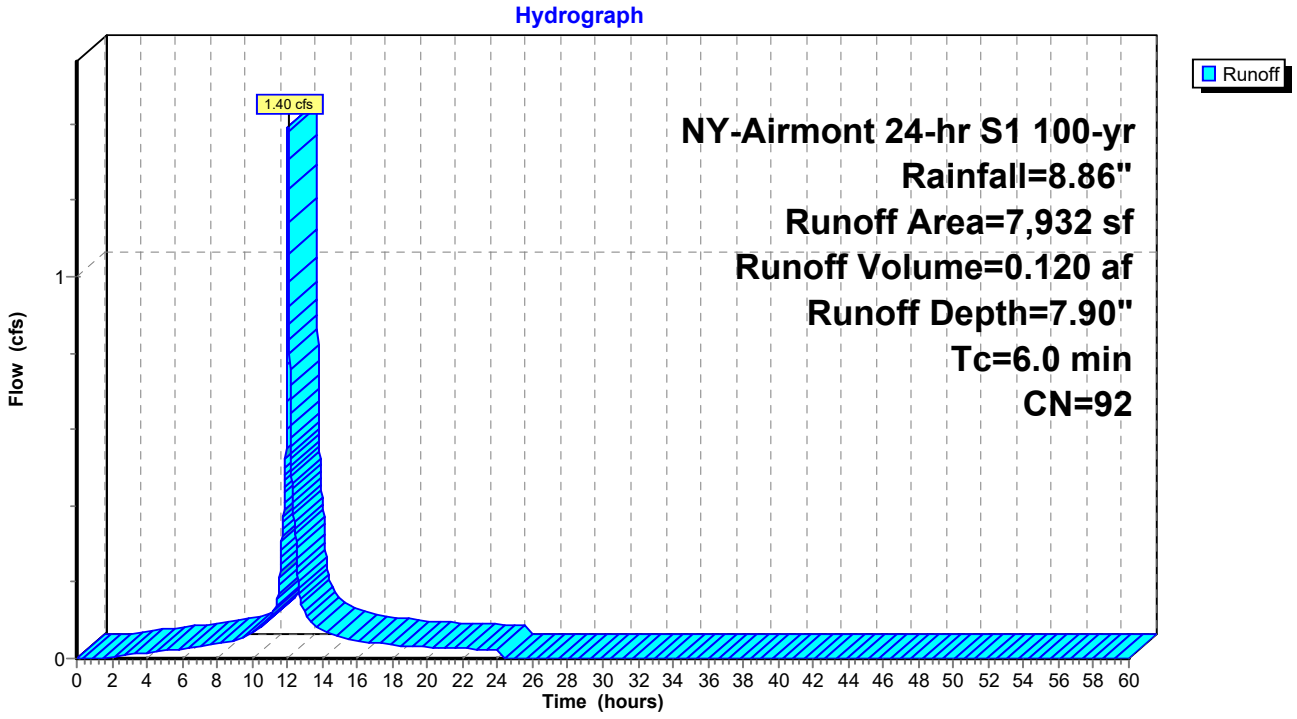
Runoff = 1.40 cfs @ 12.04 hrs, Volume= 0.120 af, Depth= 7.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,916	74	>75% Grass cover, Good, HSG C
6,016	98	Paved parking, HSG C
7,932	92	Weighted Average
1,916		24.16% Pervious Area
6,016		75.84% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 28S: 28S



Summary for Subcatchment 29S: 29S

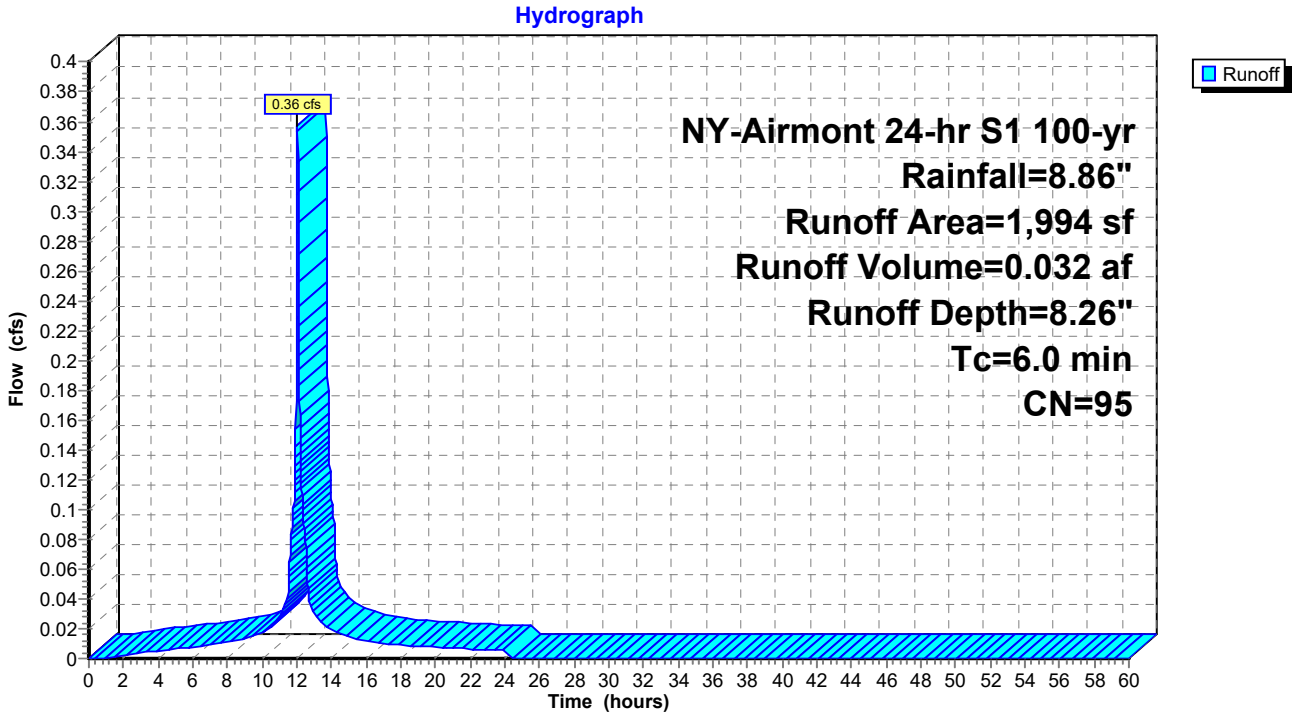
Runoff = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 8.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
279	74	>75% Grass cover, Good, HSG C
1,715	98	Paved parking, HSG C
1,994	95	Weighted Average
279		13.99% Pervious Area
1,715		86.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 29S: 29S



Summary for Subcatchment 30S: 30S

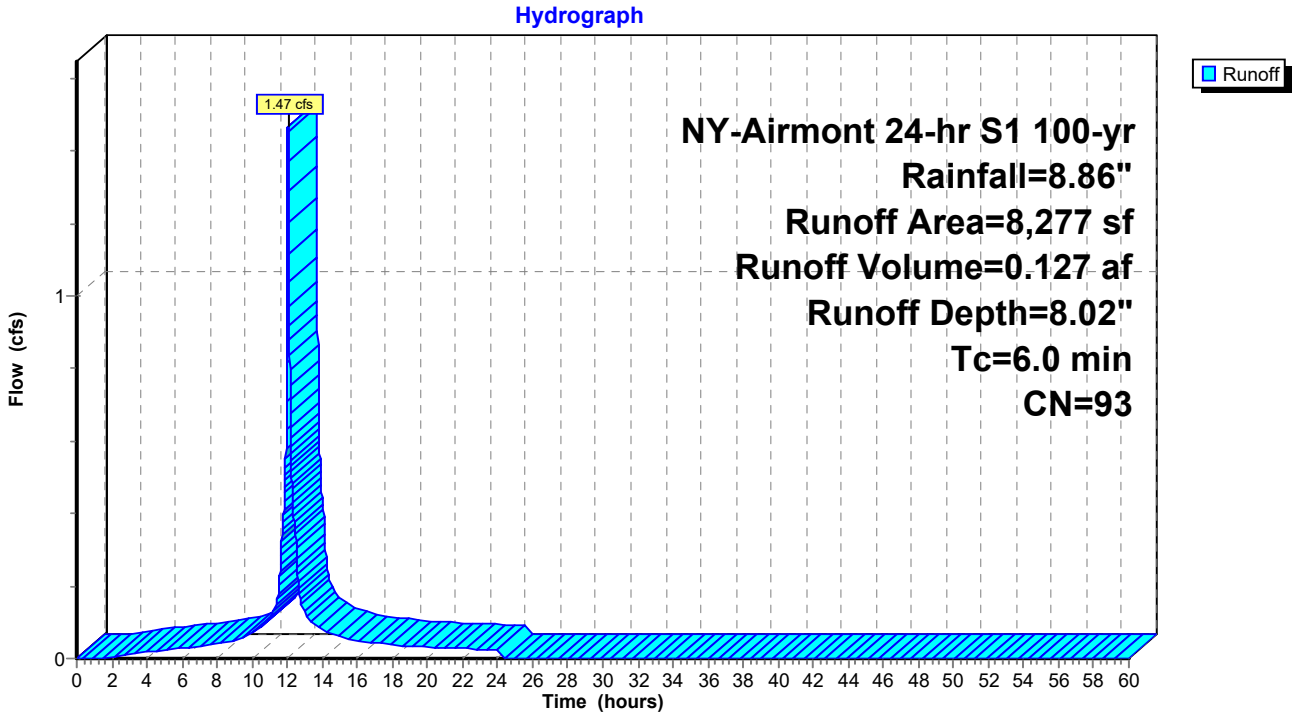
Runoff = 1.47 cfs @ 12.04 hrs, Volume= 0.127 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,627	74	>75% Grass cover, Good, HSG C
6,650	98	Paved parking, HSG C
8,277	93	Weighted Average
1,627		19.66% Pervious Area
6,650		80.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 30S: 30S



Summary for Subcatchment 31S: 31S

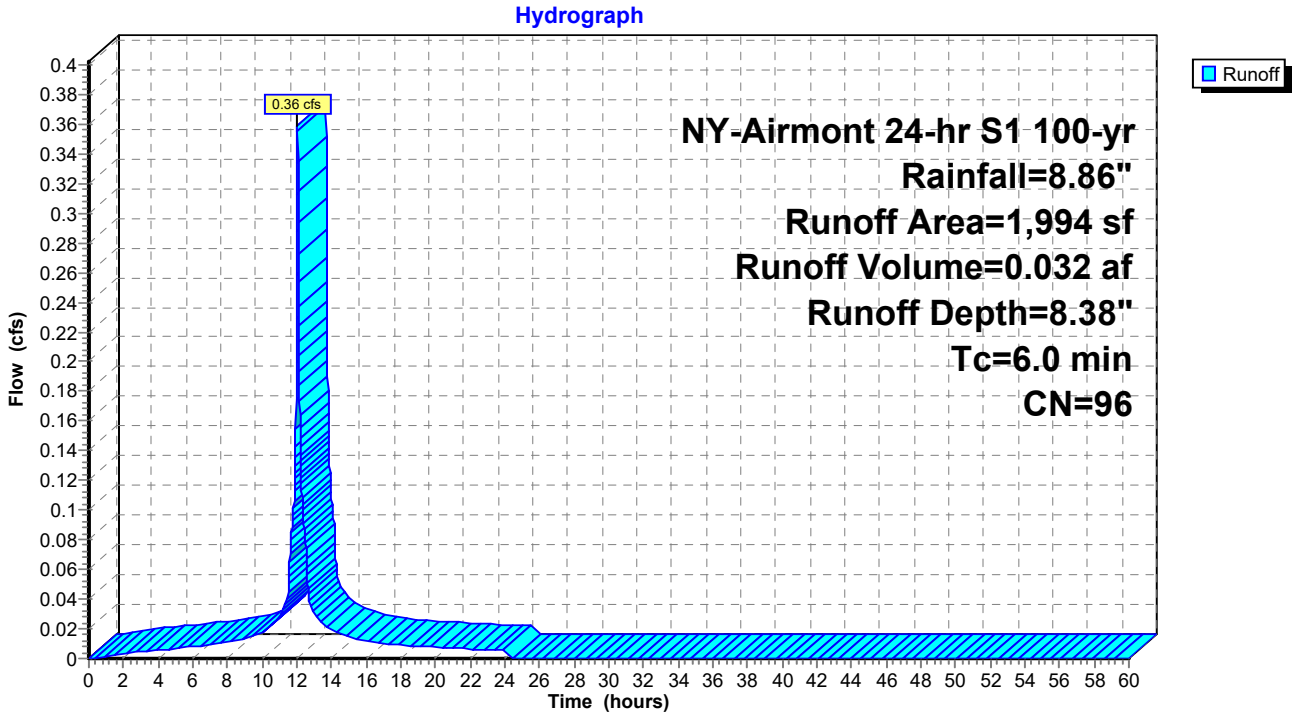
Runoff = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af, Depth= 8.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
207	74	>75% Grass cover, Good, HSG C
1,787	98	Paved parking, HSG C
1,994	96	Weighted Average
207		10.38% Pervious Area
1,787		89.62% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 31S: 31S



Summary for Subcatchment 32S: 32S

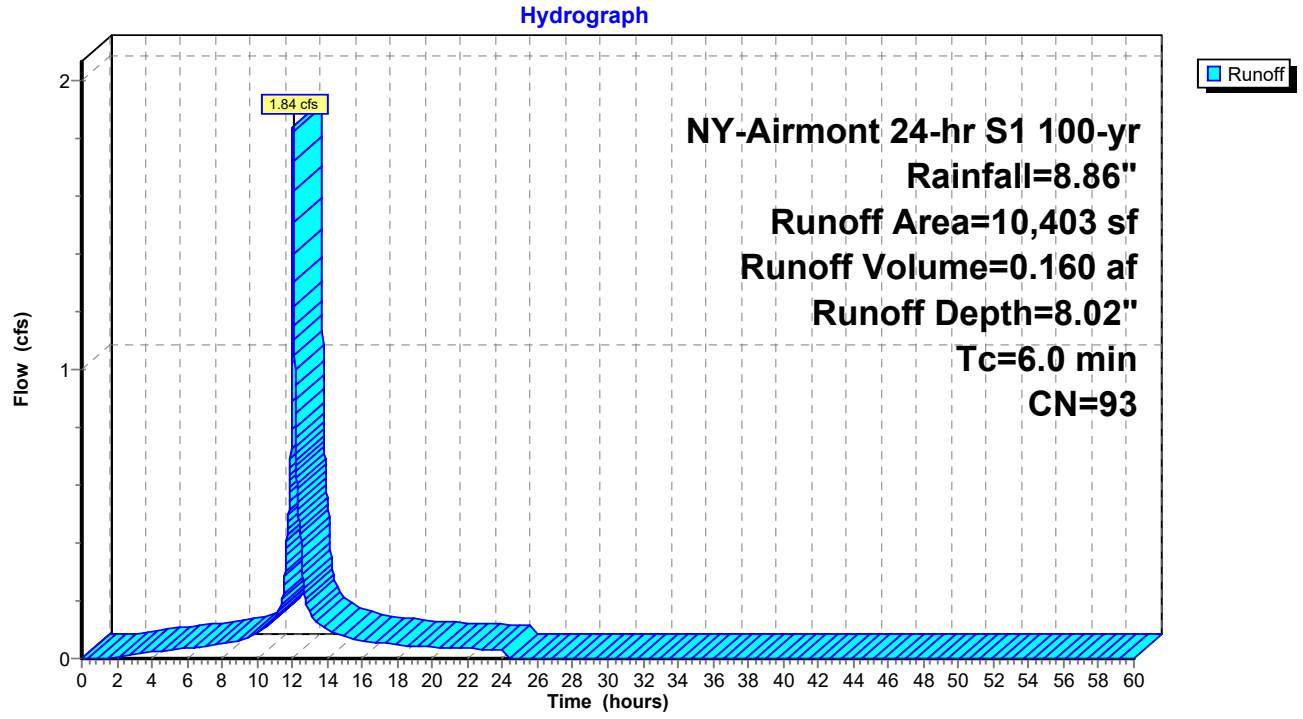
Runoff = 1.84 cfs @ 12.04 hrs, Volume= 0.160 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
2,229	74	>75% Grass cover, Good, HSG C
8,174	98	Paved parking, HSG C
10,403	93	Weighted Average
2,229		21.43% Pervious Area
8,174		78.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 32S: 32S



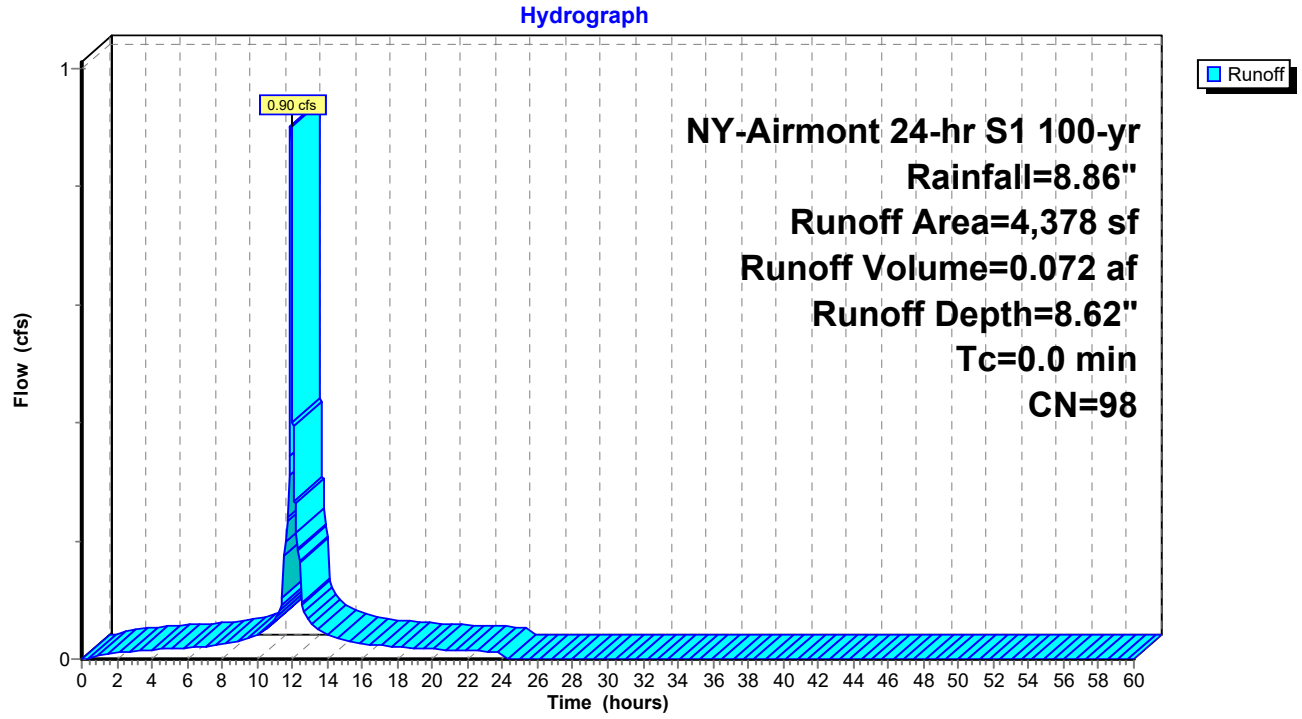
Summary for Subcatchment 35S: DA-33

Runoff = 0.90 cfs @ 11.99 hrs, Volume= 0.072 af, Depth= 8.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
4,378	98	Paved parking, HSG C
4,378		100.00% Impervious Area

Subcatchment 35S: DA-33



Summary for Subcatchment 36S: 36S

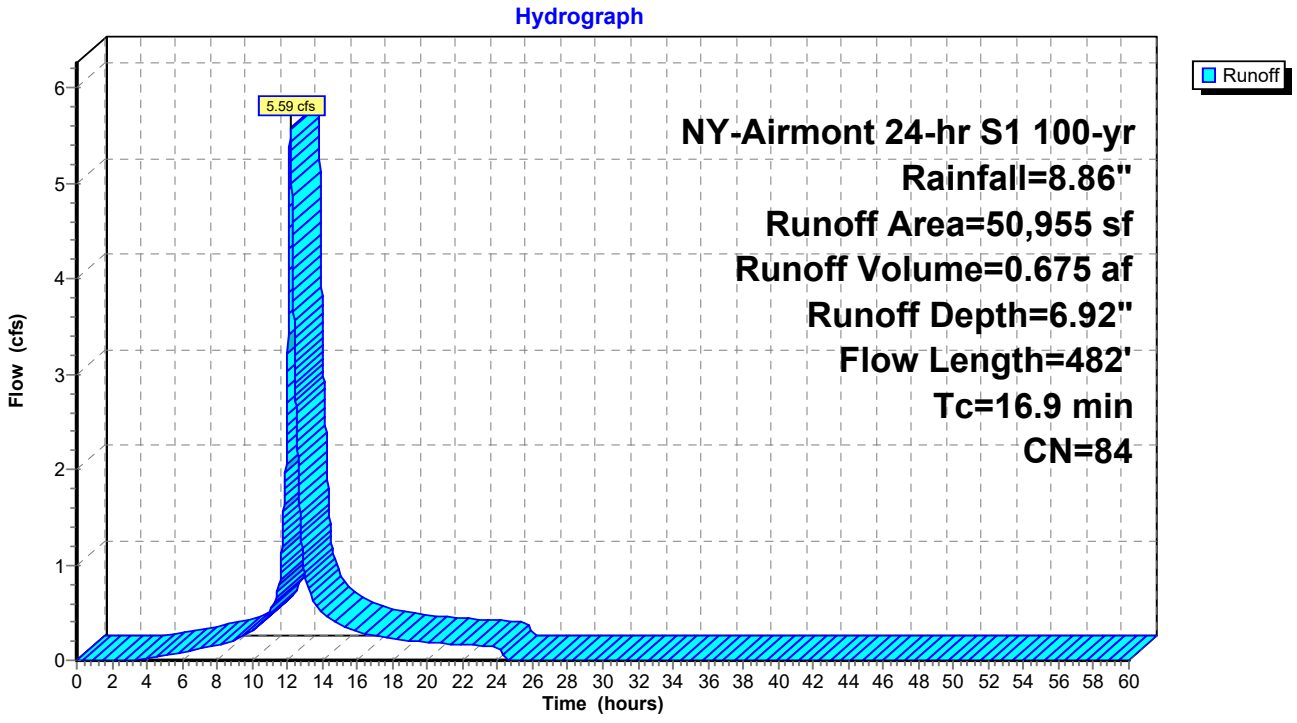
Runoff = 5.59 cfs @ 12.18 hrs, Volume= 0.675 af, Depth= 6.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
30,182	74	>75% Grass cover, Good, HSG C
20,773	98	Unconnected pavement, HSG C
50,955	84	Weighted Average
30,182		59.23% Pervious Area
20,773		40.77% Impervious Area
20,773		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	100	0.0200	0.17		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
7.4	382	0.0150	0.86		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
16.9	482	Total			

Subcatchment 36S: 36S



Summary for Subcatchment 37S: 37S

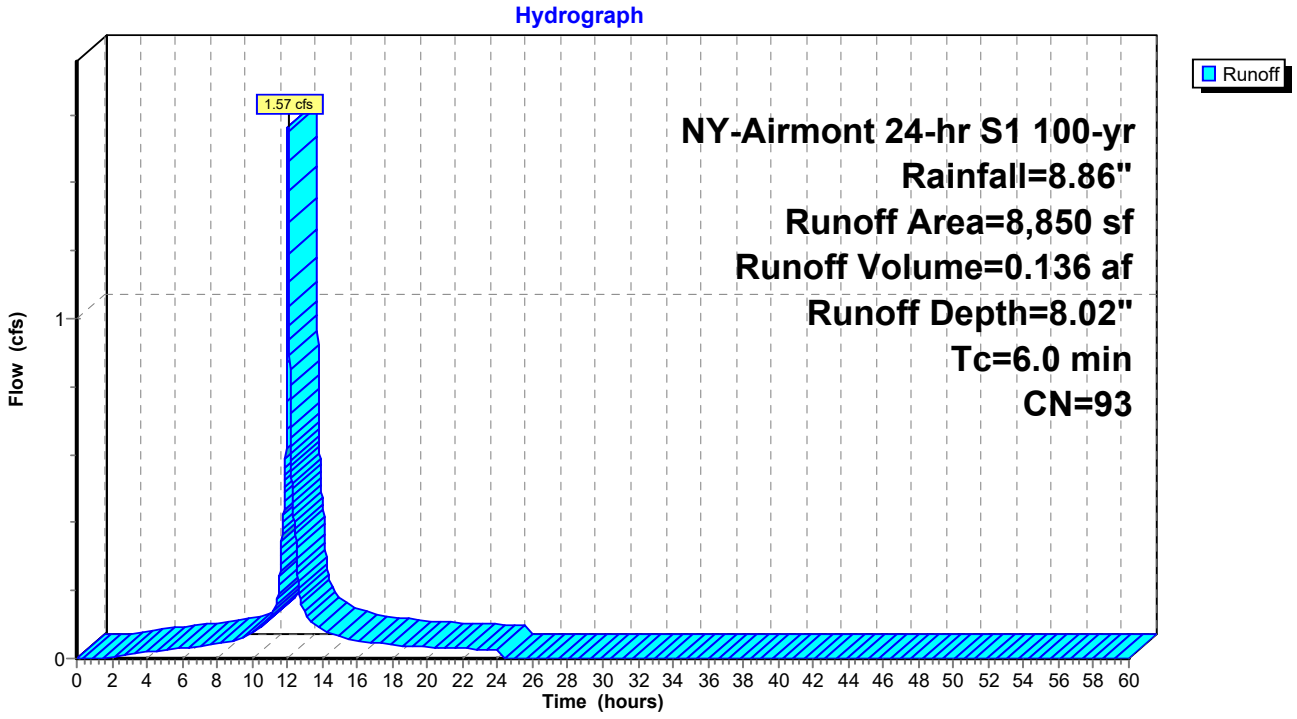
Runoff = 1.57 cfs @ 12.04 hrs, Volume= 0.136 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,782	74	>75% Grass cover, Good, HSG C
7,068	98	Paved parking, HSG C
8,850	93	Weighted Average
1,782		20.14% Pervious Area
7,068		79.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 37S: 37S



Summary for Subcatchment 38S: 38S

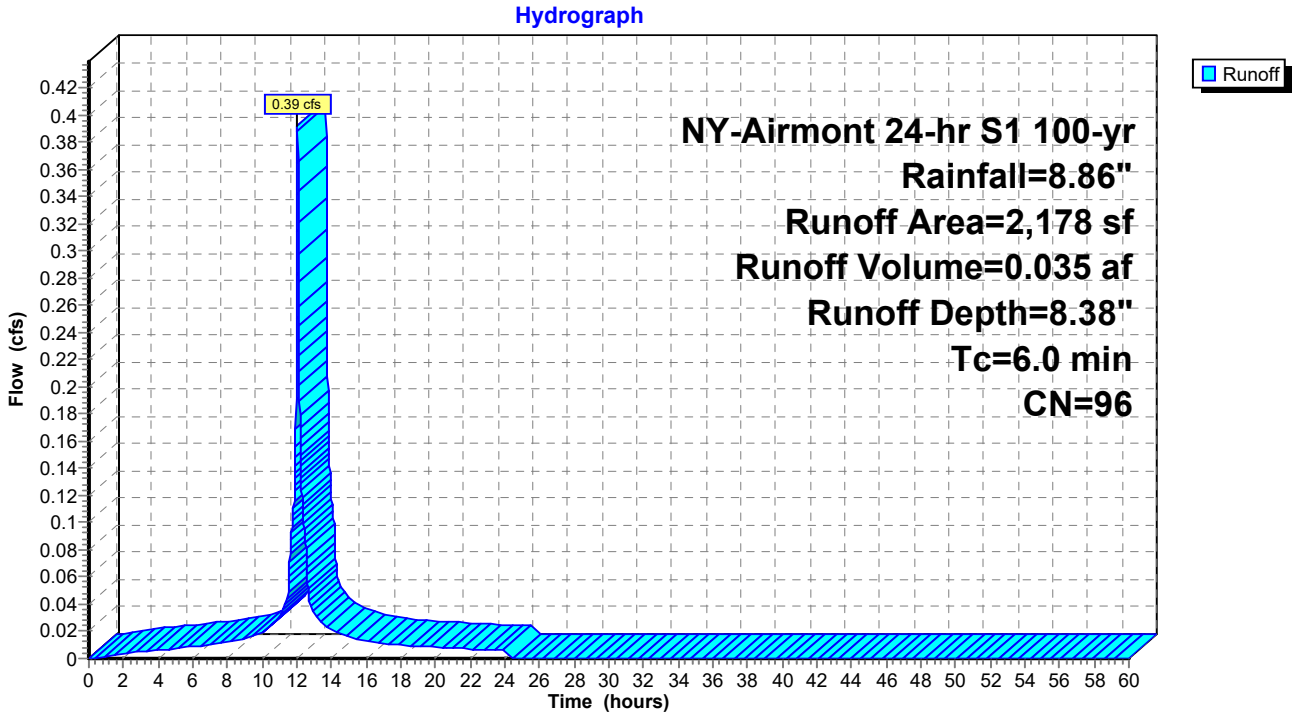
Runoff = 0.39 cfs @ 12.04 hrs, Volume= 0.035 af, Depth= 8.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
218	74	>75% Grass cover, Good, HSG C
1,960	98	Paved parking, HSG C
2,178	96	Weighted Average
218		10.01% Pervious Area
1,960		89.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 38S: 38S



Summary for Subcatchment 39S: 39S

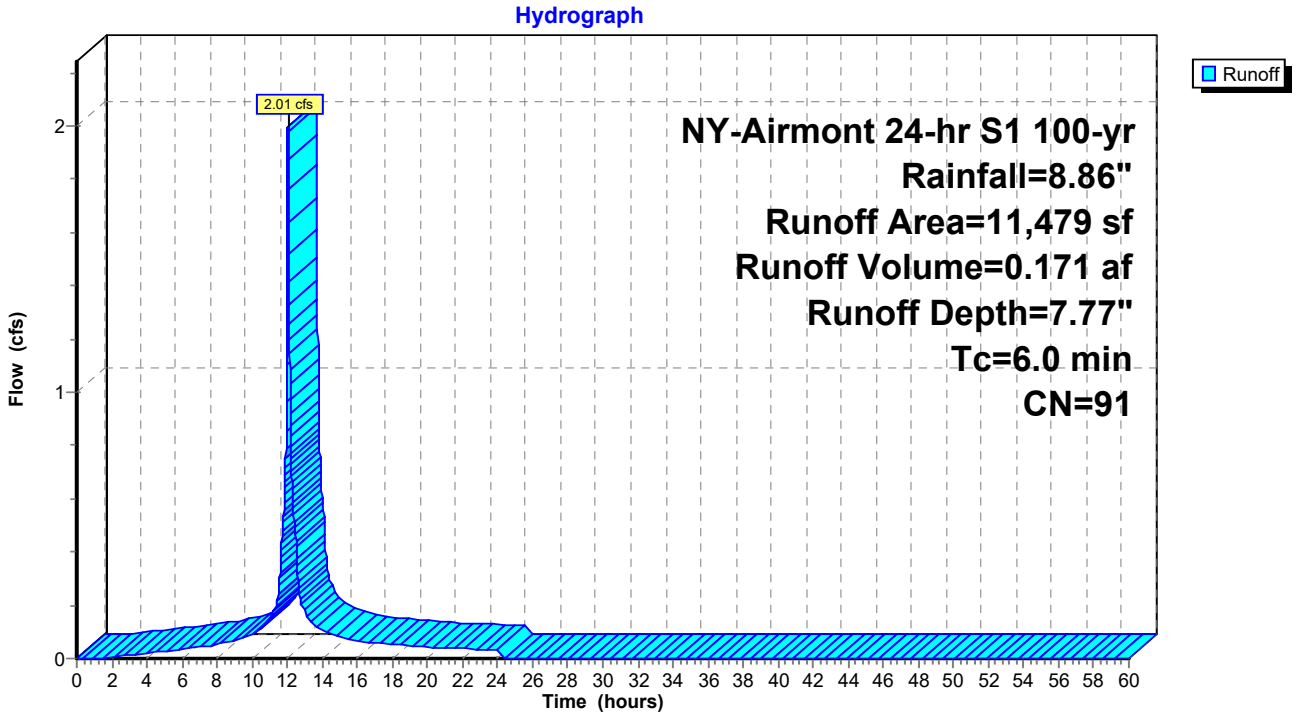
Runoff = 2.01 cfs @ 12.04 hrs, Volume= 0.171 af, Depth= 7.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
3,296	74	>75% Grass cover, Good, HSG C
8,183	98	Paved parking, HSG C
11,479	91	Weighted Average
3,296		28.71% Pervious Area
8,183		71.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 39S: 39S



Summary for Subcatchment 40S: 40S

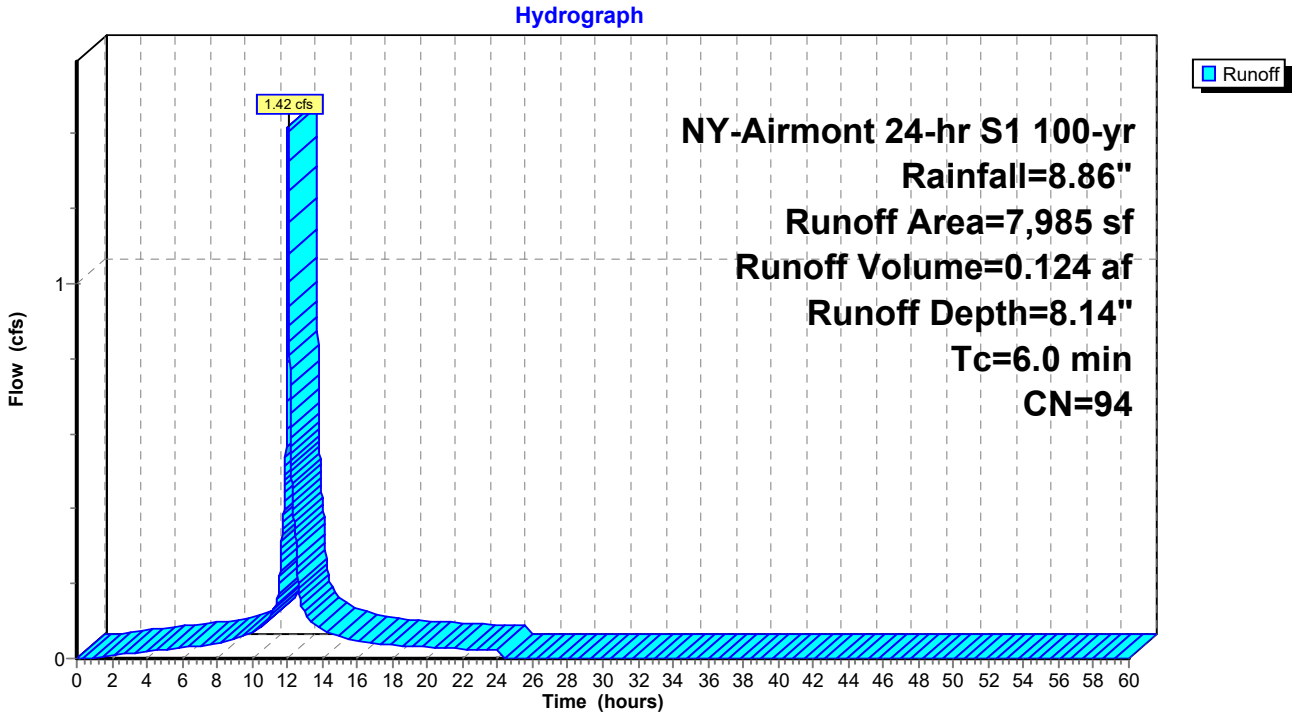
Runoff = 1.42 cfs @ 12.04 hrs, Volume= 0.124 af, Depth= 8.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,808	98	Paved parking, HSG C
7,985	94	Weighted Average
1,177		14.74% Pervious Area
6,808		85.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 40S: 40S



Summary for Subcatchment 41S: 41S

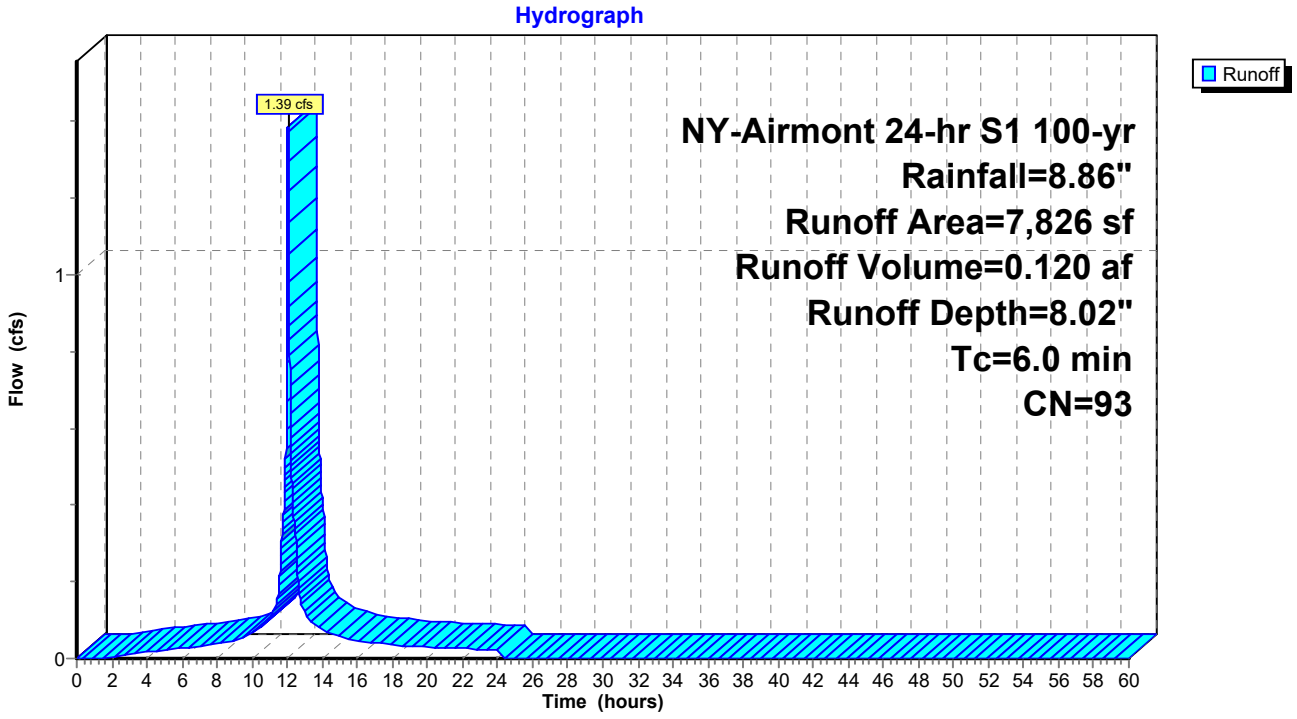
Runoff = 1.39 cfs @ 12.04 hrs, Volume= 0.120 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,777	74	>75% Grass cover, Good, HSG C
6,049	98	Paved parking, HSG C
7,826	93	Weighted Average
1,777		22.71% Pervious Area
6,049		77.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 41S: 41S



Summary for Subcatchment 42S: 42S

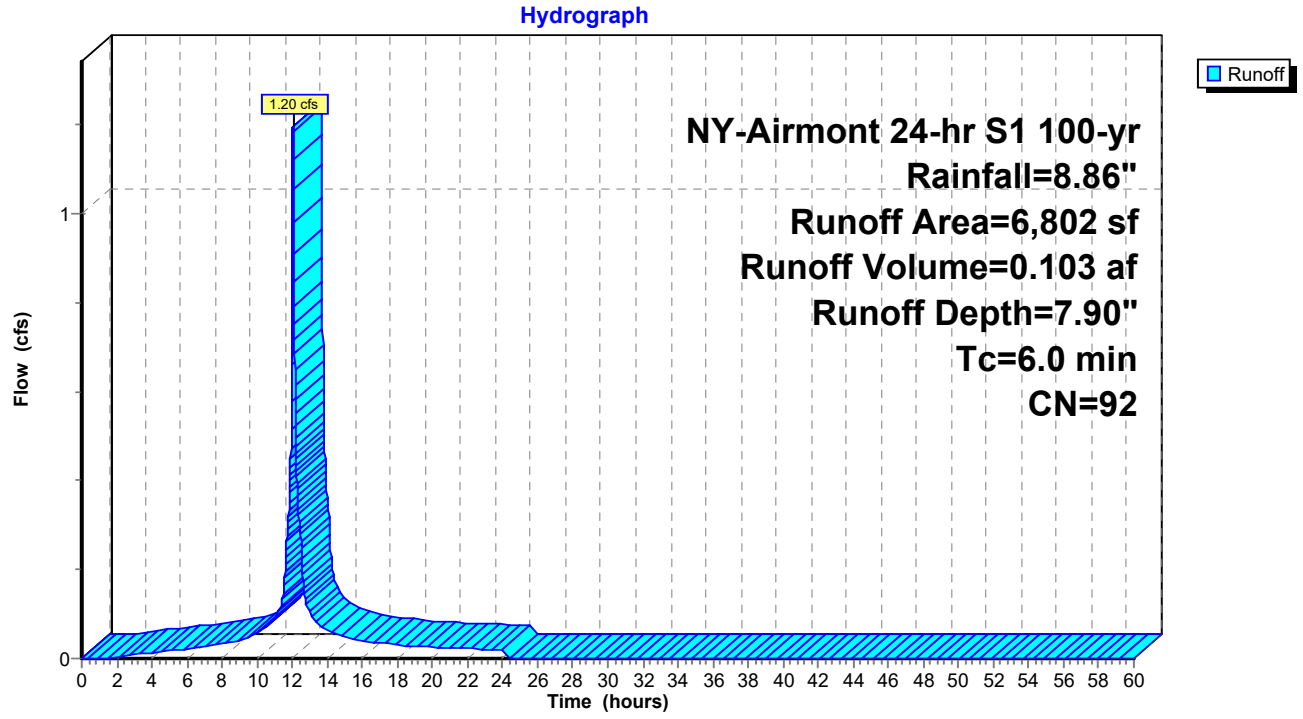
Runoff = 1.20 cfs @ 12.04 hrs, Volume= 0.103 af, Depth= 7.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,609	74	>75% Grass cover, Good, HSG C
5,193	98	Paved parking, HSG C
6,802	92	Weighted Average
1,609		23.65% Pervious Area
5,193		76.35% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 42S: 42S



Summary for Subcatchment 43S: 43S

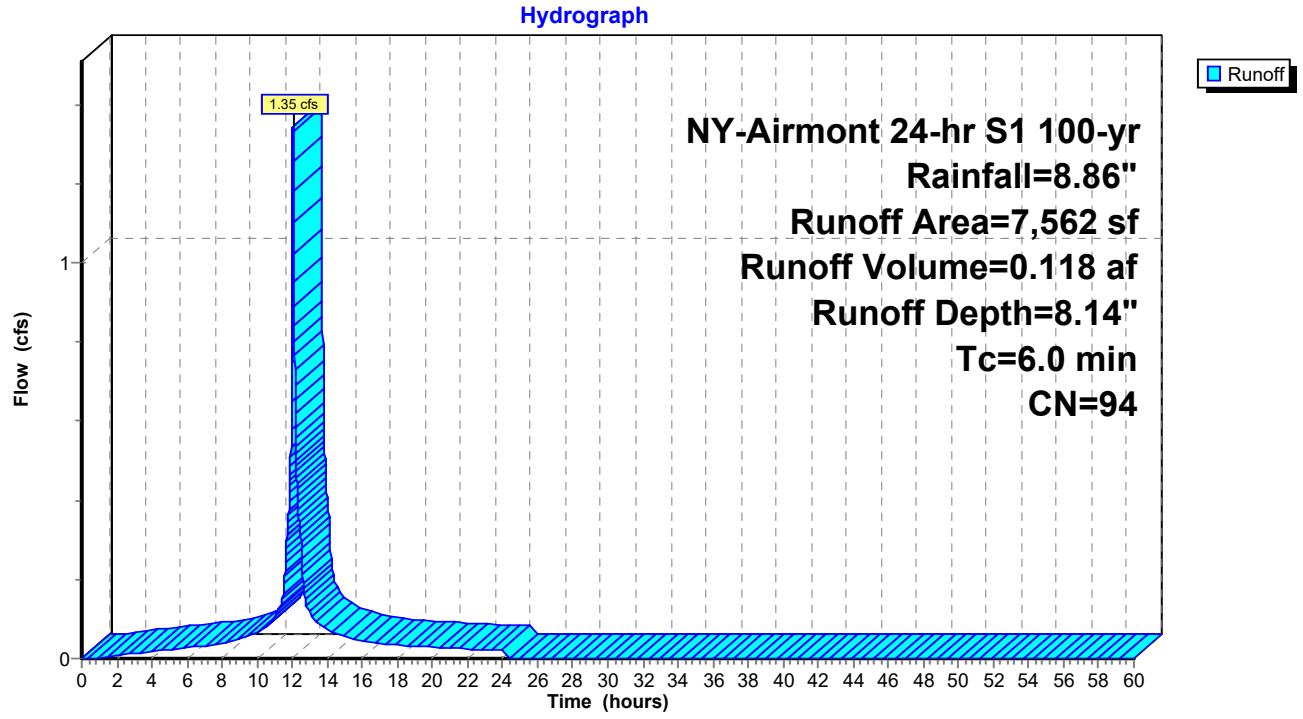
Runoff = 1.35 cfs @ 12.04 hrs, Volume= 0.118 af, Depth= 8.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,177	74	>75% Grass cover, Good, HSG C
6,385	98	Paved parking, HSG C
7,562	94	Weighted Average
1,177		15.56% Pervious Area
6,385		84.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 43S: 43S



Summary for Subcatchment 44S: 44S

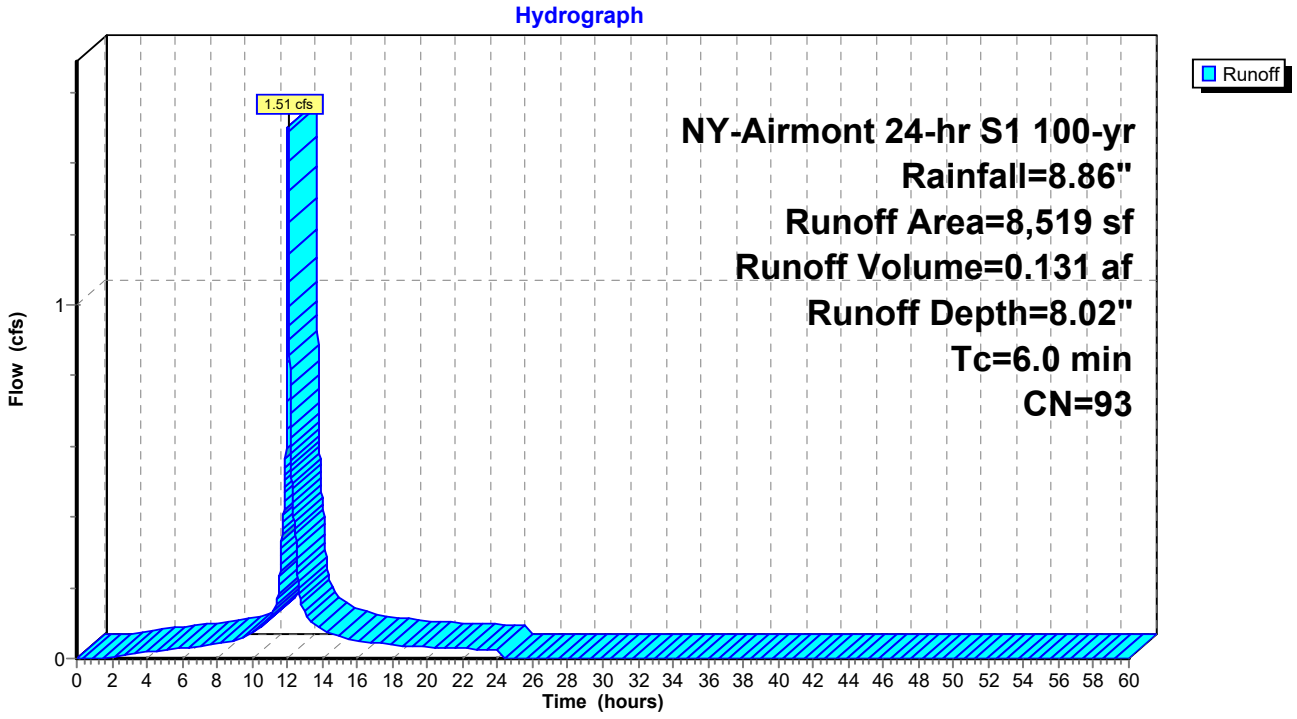
Runoff = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,832	74	>75% Grass cover, Good, HSG C
6,687	98	Paved parking, HSG C
8,519	93	Weighted Average
1,832		21.50% Pervious Area
6,687		78.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 44S: 44S



Summary for Subcatchment 45S: 45S

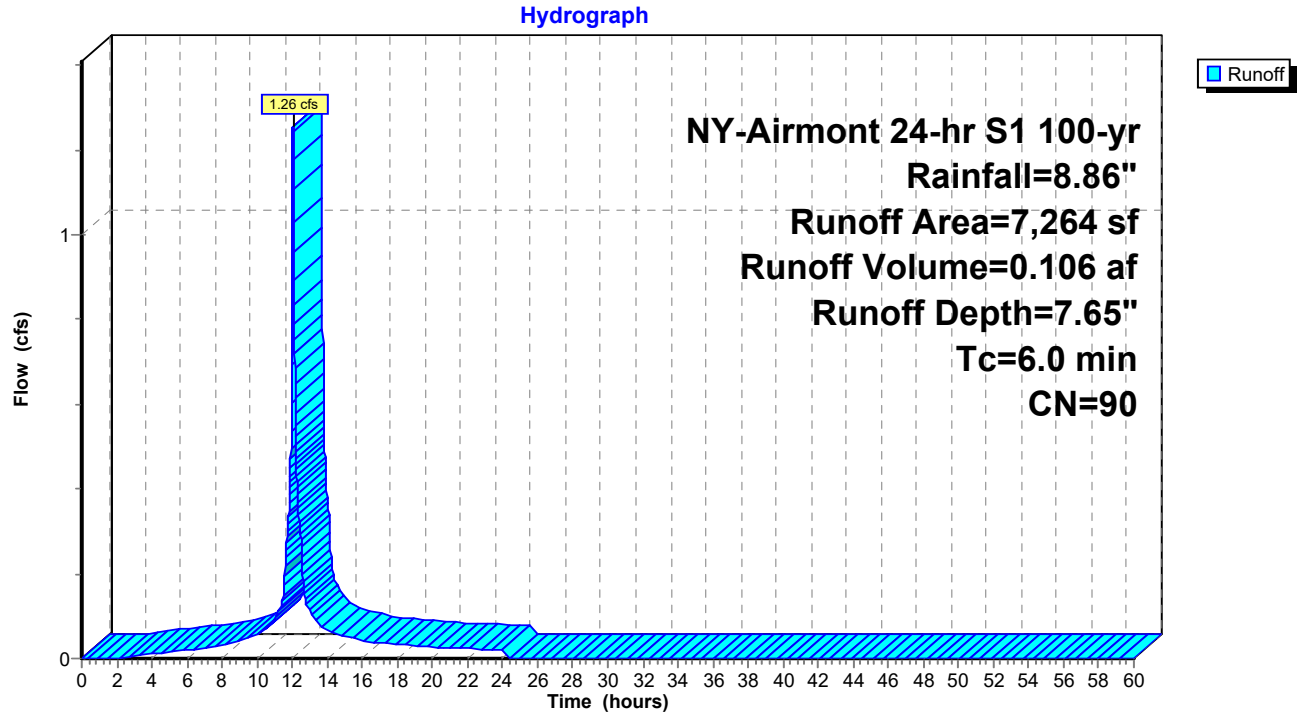
Runoff = 1.26 cfs @ 12.04 hrs, Volume= 0.106 af, Depth= 7.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
2,319	74	>75% Grass cover, Good, HSG C
4,945	98	Paved parking, HSG C
7,264	90	Weighted Average
2,319		31.92% Pervious Area
4,945		68.08% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 45S: 45S



Summary for Subcatchment 46S: 46S

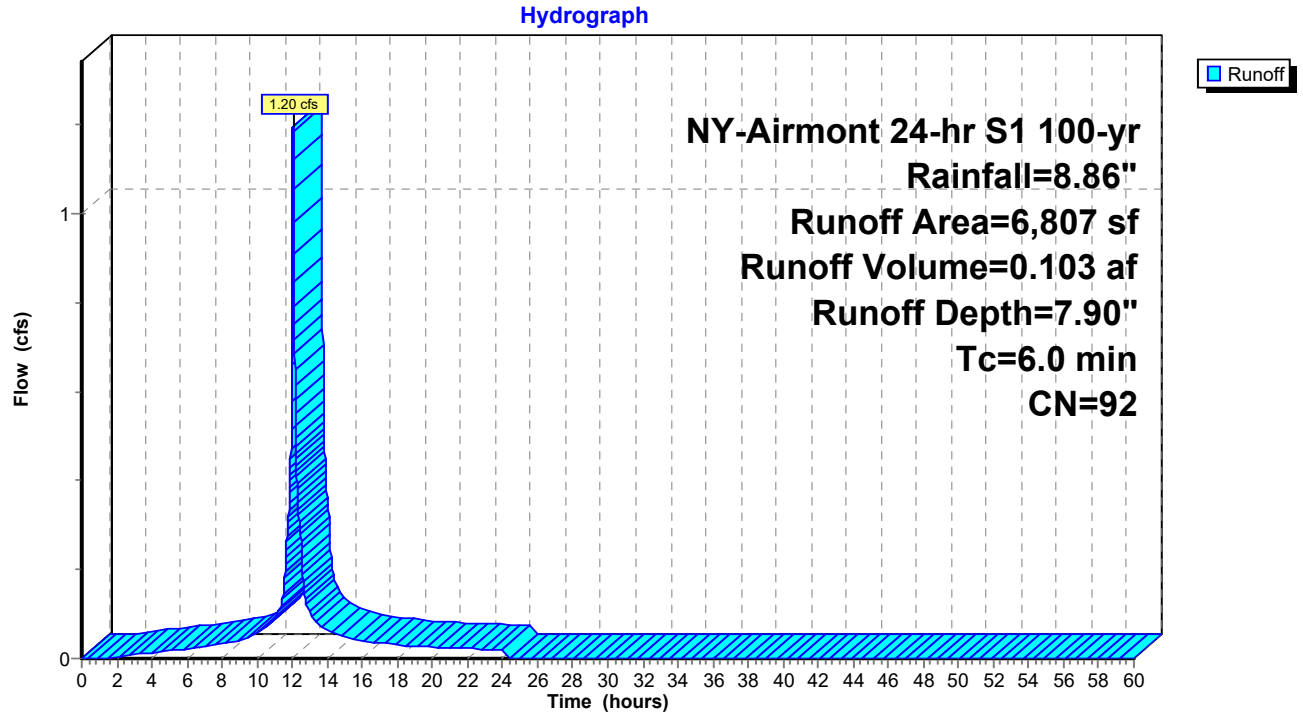
Runoff = 1.20 cfs @ 12.04 hrs, Volume= 0.103 af, Depth= 7.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
1,580	74	>75% Grass cover, Good, HSG C
5,227	98	Paved parking, HSG C
6,807	92	Weighted Average
1,580		23.21% Pervious Area
5,227		76.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 46S: 46S



Summary for Subcatchment 47S: 47S

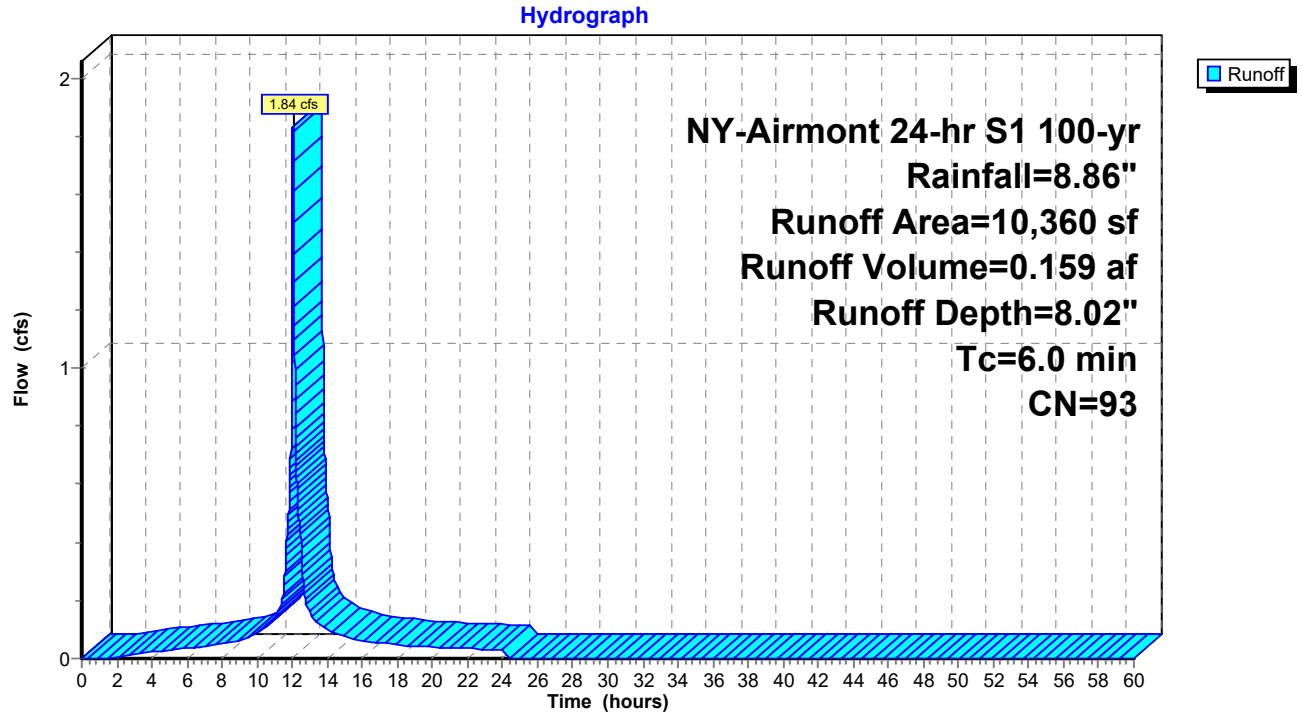
Runoff = 1.84 cfs @ 12.04 hrs, Volume= 0.159 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
8,250	98	Paved parking, HSG C
2,110	74	>75% Grass cover, Good, HSG C
10,360	93	Weighted Average
2,110		20.37% Pervious Area
8,250		79.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 47S: 47S



Summary for Subcatchment 48S: 48S

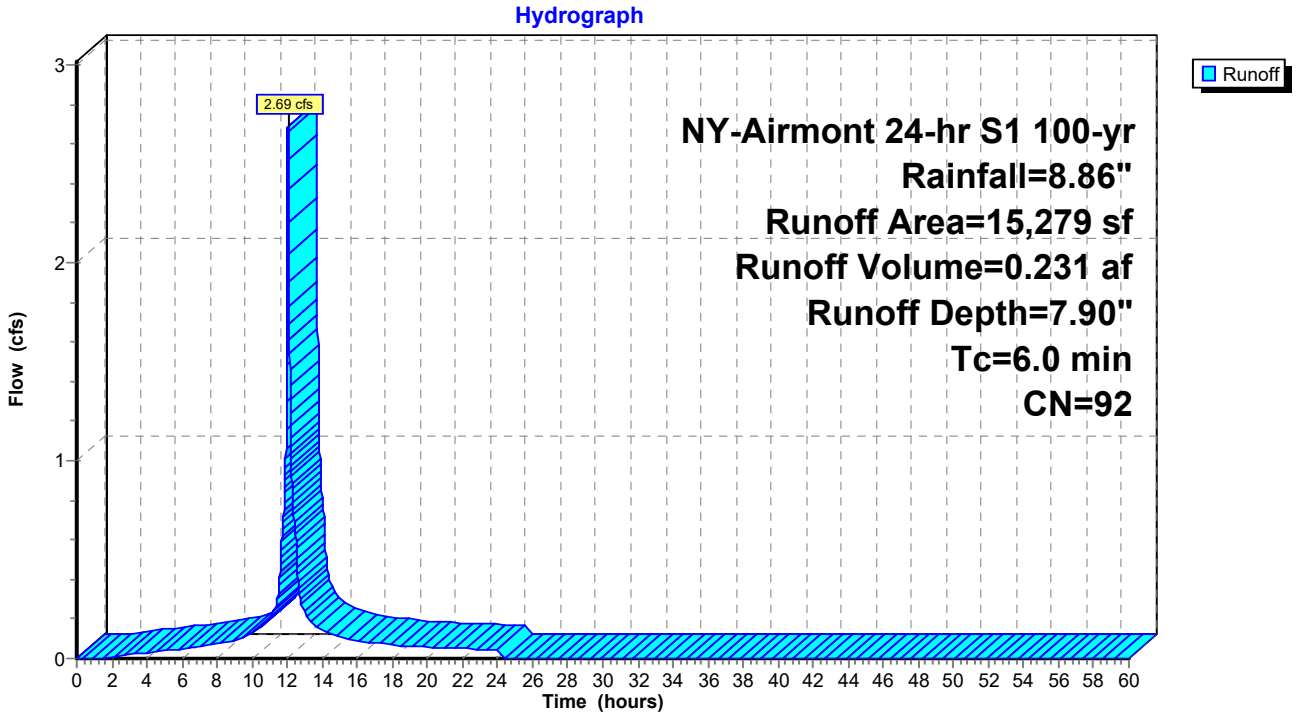
Runoff = 2.69 cfs @ 12.04 hrs, Volume= 0.231 af, Depth= 7.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
11,660	98	Paved parking, HSG C
3,619	74	>75% Grass cover, Good, HSG C
15,279	92	Weighted Average
3,619		23.69% Pervious Area
11,660		76.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 48S: 48S



Summary for Subcatchment 51S: 51S

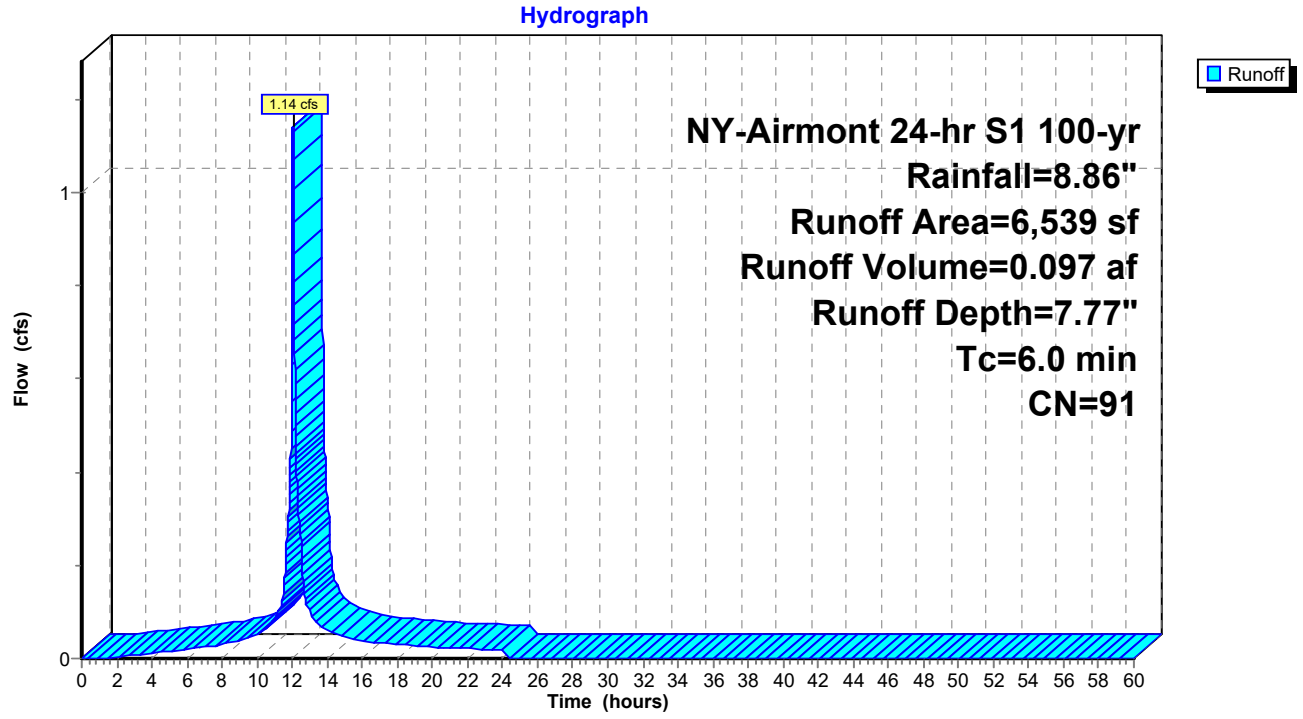
Runoff = 1.14 cfs @ 12.04 hrs, Volume= 0.097 af, Depth= 7.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
4,620	98	Paved parking, HSG C
1,919	74	>75% Grass cover, Good, HSG C
6,539	91	Weighted Average
1,919		29.35% Pervious Area
4,620		70.65% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 51S: 51S



Summary for Subcatchment 52S: 52S

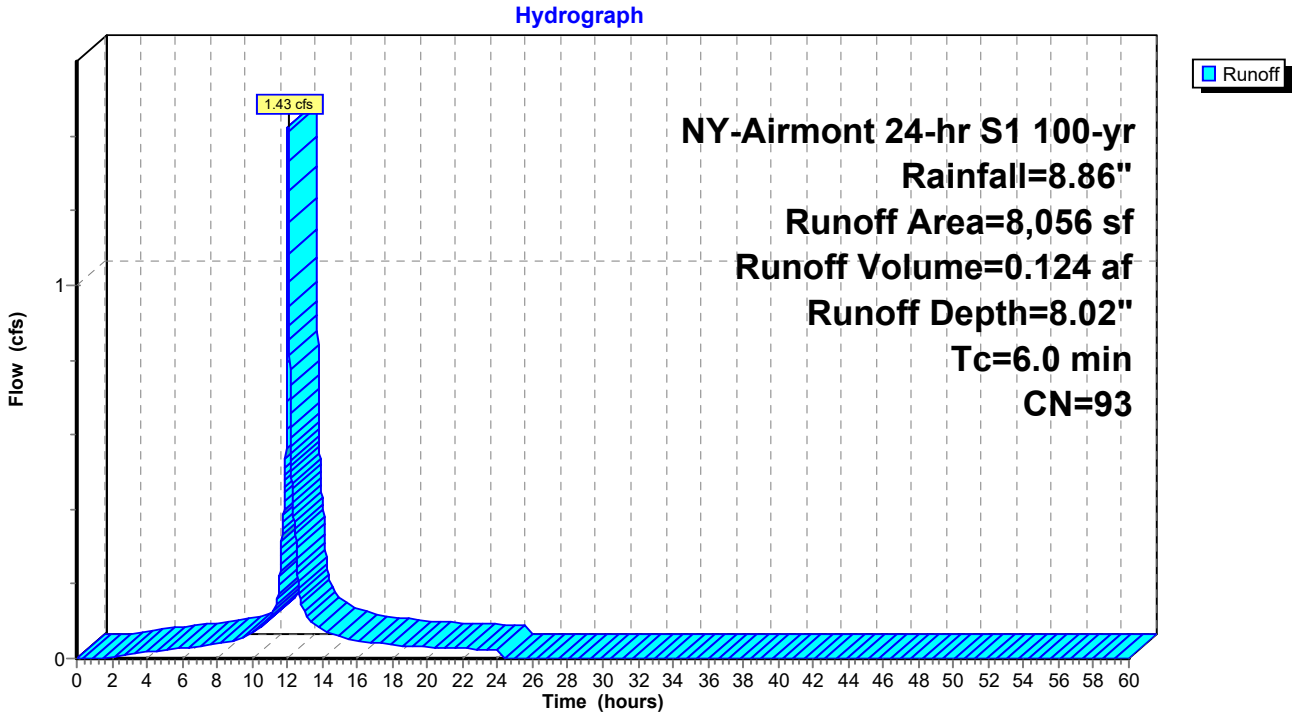
Runoff = 1.43 cfs @ 12.04 hrs, Volume= 0.124 af, Depth= 8.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
6,501	98	Paved parking, HSG C
1,555	74	>75% Grass cover, Good, HSG C
8,056	93	Weighted Average
1,555		19.30% Pervious Area
6,501		80.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 52S: 52S



Summary for Subcatchment DA-3: DA-3

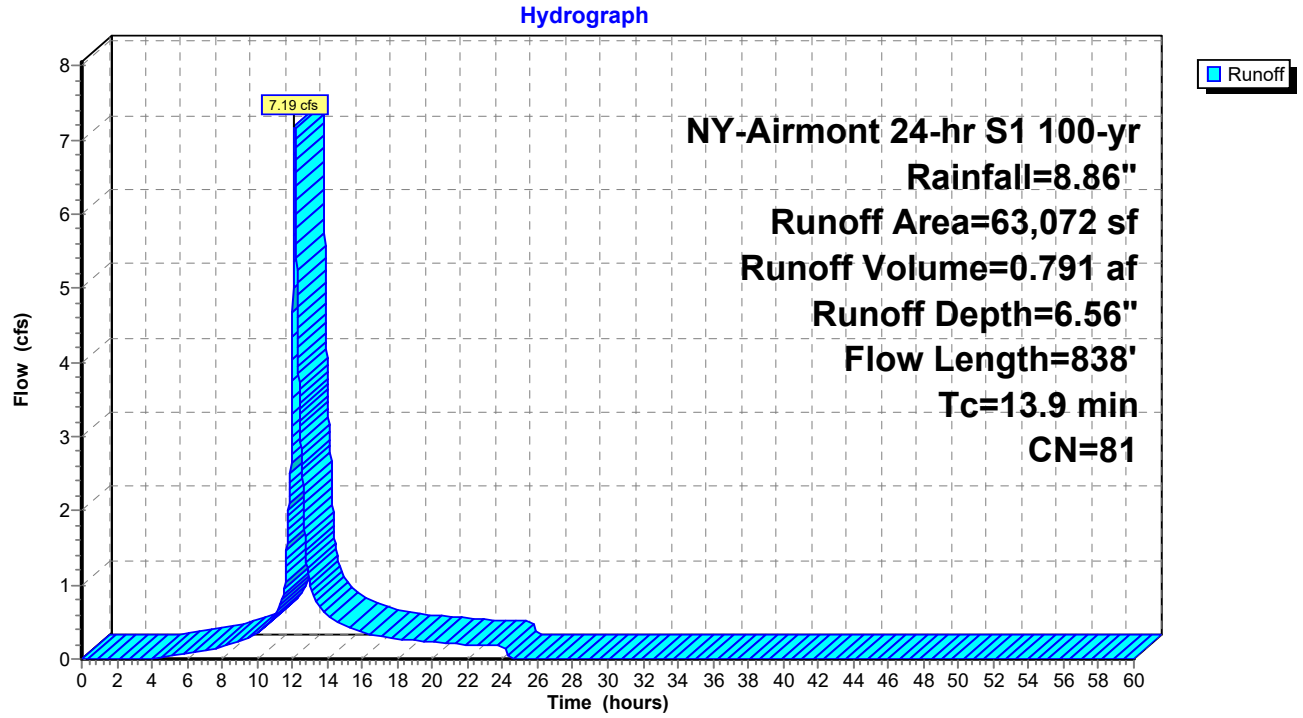
Runoff = 7.19 cfs @ 12.14 hrs, Volume= 0.791 af, Depth= 6.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
19,075	98	Unconnected pavement, HSG C
43,997	74	>75% Grass cover, Good, HSG C
63,072	81	Weighted Average
43,997		69.76% Pervious Area
19,075		30.24% Impervious Area
19,075		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.5	100	0.2500	0.48		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
0.5	60	0.1000	2.21		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
3.8	138	0.0075	0.61		**Shallow Concentrated Flow, SCF2** Short Grass Pasture Kv= 7.0 fps
6.1	540	0.0450	1.48		**Shallow Concentrated Flow, SCF3** Short Grass Pasture Kv= 7.0 fps
13.9	838	Total			

Subcatchment DA-3: DA-3



Summary for Subcatchment DA-5: DA-5

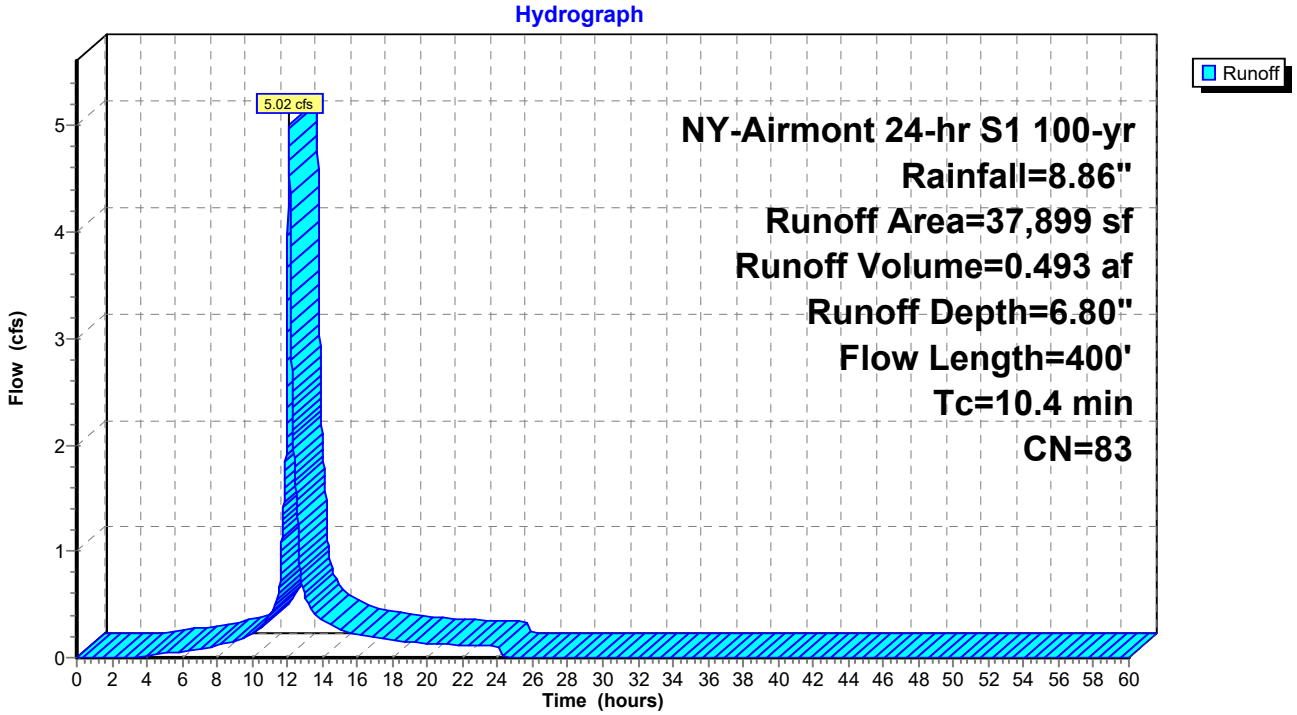
Runoff = 5.02 cfs @ 12.09 hrs, Volume= 0.493 af, Depth= 6.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
14,322	98	Paved parking, HSG C
23,577	74	>75% Grass cover, Good, HSG C
37,899	83	Weighted Average
23,577		62.21% Pervious Area
14,322		37.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1	25	0.2500	0.36		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 3.37"
5.7	75	0.0400	0.22		**Sheet Flow, SF2** Grass: Short n= 0.150 P2= 3.37"
3.6	300	0.0400	1.40		**Shallow Concentrated Flow, SCF1** Short Grass Pasture Kv= 7.0 fps
10.4	400	Total			

Subcatchment DA-5: DA-5



Summary for Subcatchment DA-6: DA-6

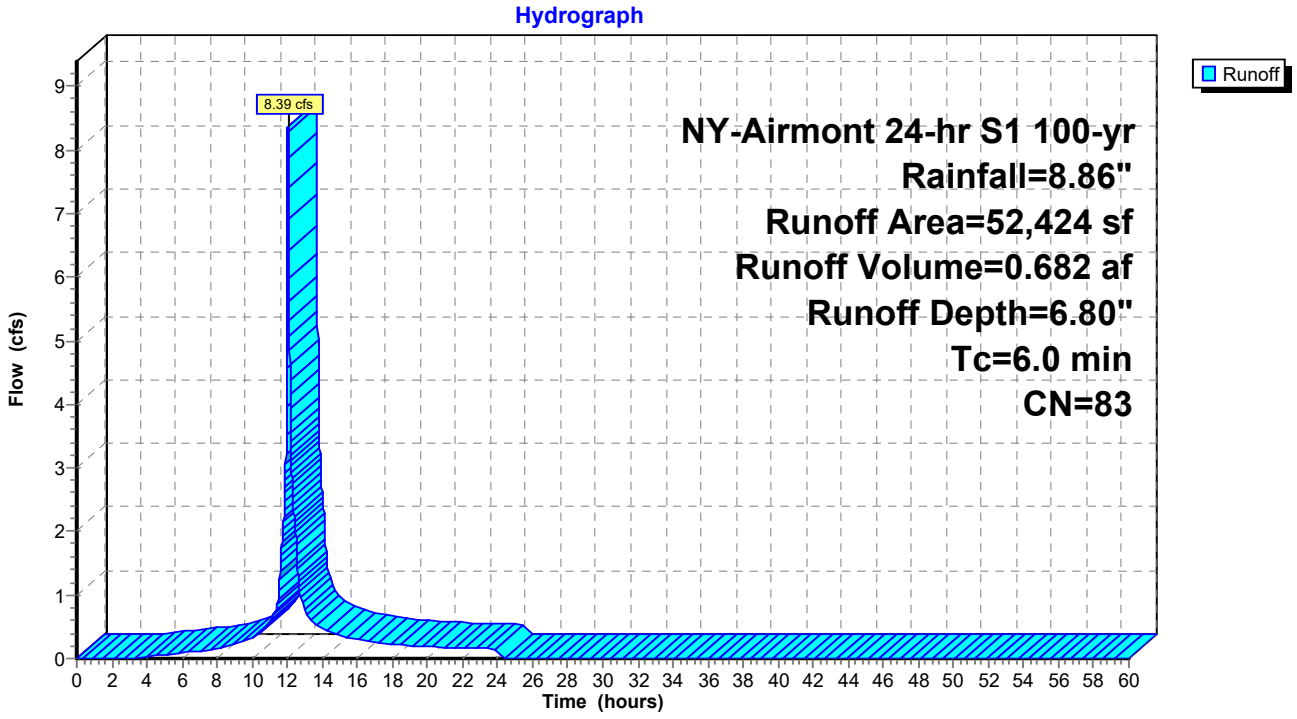
Runoff = 8.39 cfs @ 12.04 hrs, Volume= 0.682 af, Depth= 6.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
20,295	98	Paved parking, HSG C
32,129	74	>75% Grass cover, Good, HSG C
52,424	83	Weighted Average
32,129		61.29% Pervious Area
20,295		38.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-6: DA-6



Summary for Subcatchment DA-7: Conservation Area

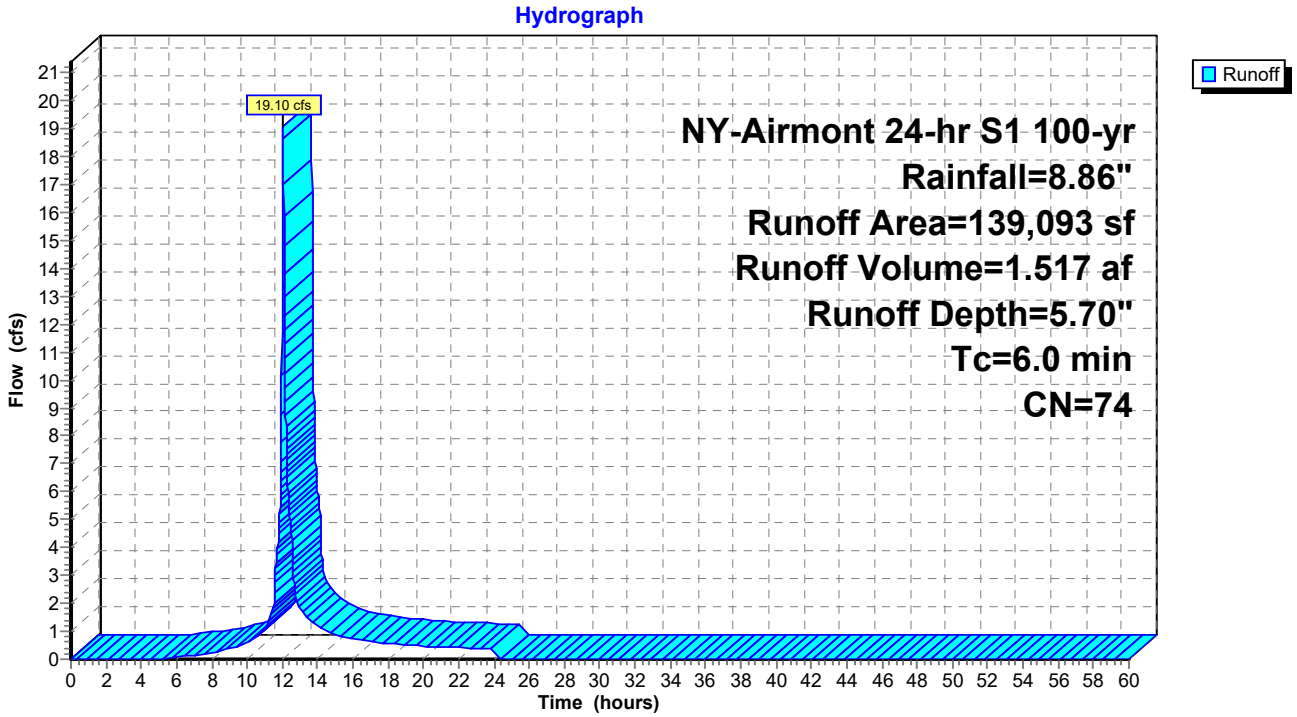
Runoff = 19.10 cfs @ 12.04 hrs, Volume= 1.517 af, Depth= 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
NY-Airmont 24-hr S1 100-yr Rainfall=8.86"

Area (sf)	CN	Description
139,093	74	>75% Grass cover, Good, HSG C
139,093		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment DA-7: Conservation Area



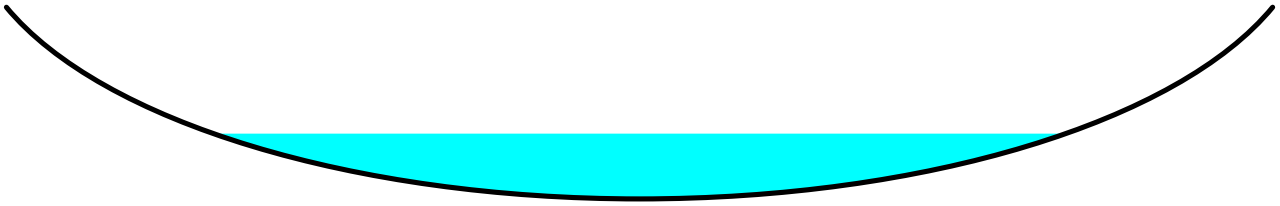
Summary for Reach 91R: Swale-North

Inflow Area = 1.448 ac, 30.24% Impervious, Inflow Depth = 6.56" for 100-yr event
Inflow = 7.19 cfs @ 12.14 hrs, Volume= 0.791 af
Outflow = 7.11 cfs @ 12.16 hrs, Volume= 0.791 af, Atten= 1%, Lag= 1.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Max. Velocity= 5.37 fps, Min. Travel Time= 1.7 min
Avg. Velocity = 1.91 fps, Avg. Travel Time= 4.7 min

Peak Storage= 714 cf @ 12.16 hrs
Average Depth at Peak Storage= 0.34'
Bank-Full Depth= 1.00' Flow Area= 6.7 sf, Capacity= 72.68 cfs

10.00' x 1.00' deep Parabolic Channel, n= 0.022 Earth, clean & straight
Length= 540.0' Slope= 0.0463 '/'
Inlet Invert= 395.00', Outlet Invert= 370.00'



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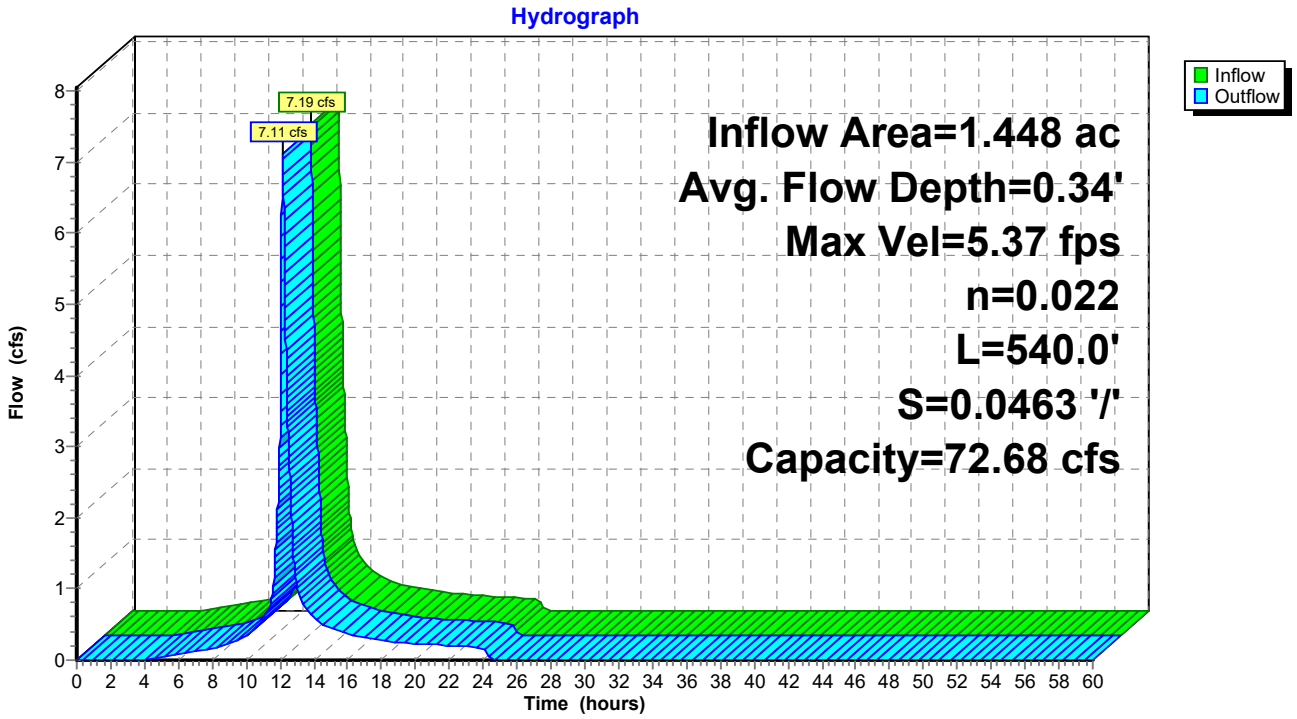
Reach 91R: Swale-North



Summary for Pond 6P: Pond

Inflow Area = 11.803 ac, 62.78% Impervious, Inflow Depth = 6.67" for 100-yr event
Inflow = 65.44 cfs @ 12.05 hrs, Volume= 6.559 af
Outflow = 58.85 cfs @ 12.08 hrs, Volume= 6.549 af, Atten= 10%, Lag= 1.6 min
Primary = 58.85 cfs @ 12.08 hrs, Volume= 6.549 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Starting Elev= 364.00' Surf.Area= 4,172 sf Storage= 10,075 cf
Peak Elev= 365.35' @ 12.08 hrs Surf.Area= 9,208 sf Storage= 19,549 cf (9,474 cf above start)
Flood Elev= 369.25' Surf.Area= 14,394 sf Storage= 62,463 cf (52,388 cf above start)

Plug-Flow detention time= 46.0 min calculated for 6.316 af (96% of inflow)
Center-of-Mass det. time= 5.0 min (789.5 - 784.5)

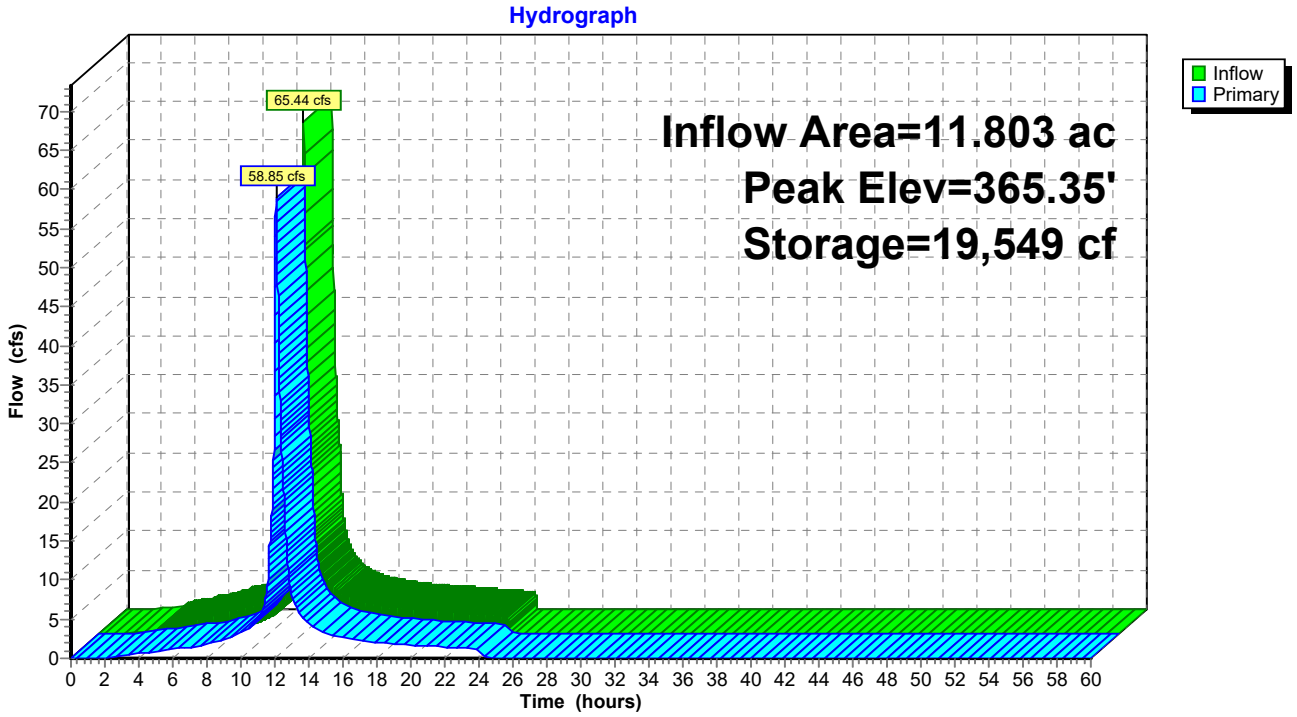
Volume	Invert	Avail.Storage	Storage Description
#1	361.00'	62,463 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
361.00	2,571	498.0	0	0	2,571
362.00	3,090	510.0	2,827	2,827	3,658
363.00	3,624	522.0	3,353	6,180	4,770
364.00	4,172	534.0	3,895	10,075	5,908
365.00	8,742	623.0	6,318	16,392	14,123
366.00	10,098	647.0	9,412	25,804	16,630
367.00	11,501	664.0	10,792	36,596	18,521
368.00	12,933	679.0	12,210	48,806	20,259
369.00	14,394	695.0	13,657	62,463	22,139

Device	Routing	Invert	Outlet Devices
#1	Primary	364.10'	**6.0" Vert. WQv X 8.00** C= 0.600
#2	Primary	364.10'	**60.0 deg x 11.0' long x 4.75' rise 10-yr** Cv= 2.53 (C= 3.16)

Primary OutFlow Max=58.77 cfs @ 12.08 hrs HW=365.35' TW=0.00' (Dynamic Tailwater)
1=WQv (Orifice Controls 7.57 cfs @ 4.82 fps)
2=10-yr (Weir Controls 51.20 cfs @ 3.49 fps)

Pond 6P: Pond


Hydrograph
Inflow
Primary
65.44 cfs
58.85 cfs
Inflow Area=11.803 ac
Peak Elev=365.35'
Storage=19,549 cf
Flow (cfs)
Time (hours)
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60

Summary for Pond 10P: WQU69

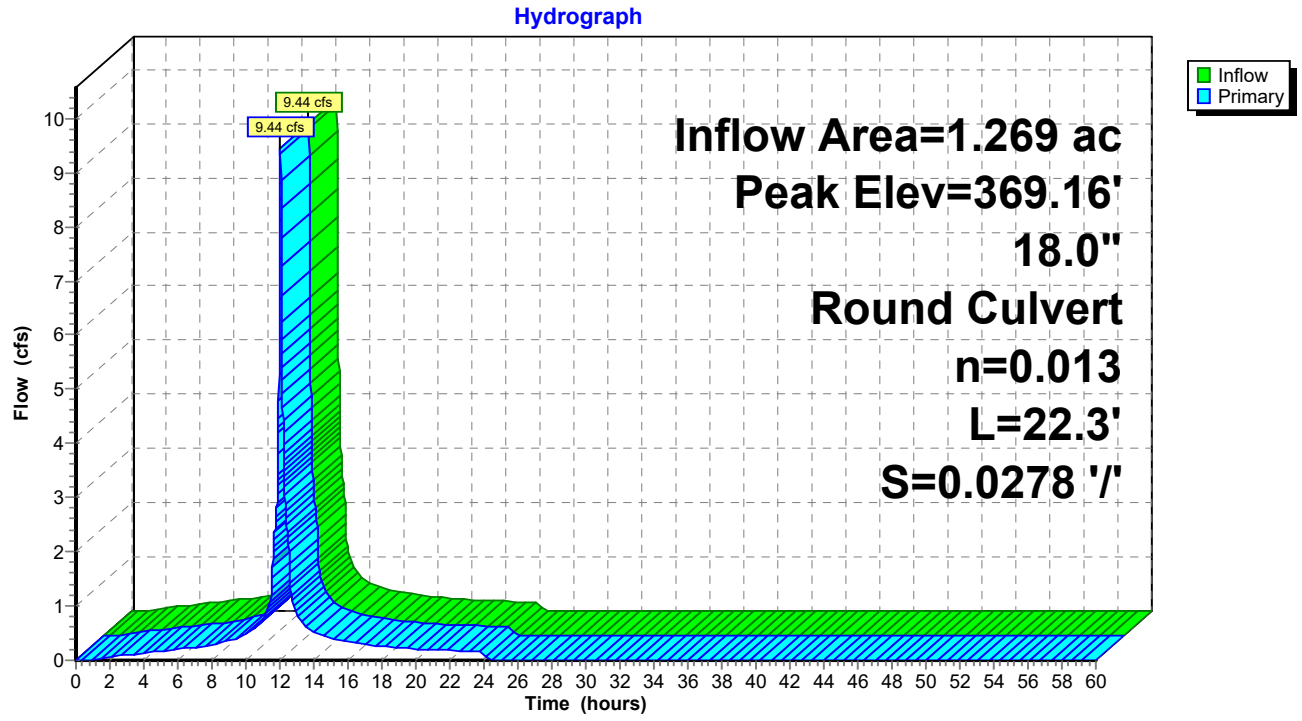
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 8.11" for 100-yr event
Inflow = 9.44 cfs @ 12.04 hrs, Volume= 0.858 af
Outflow = 9.44 cfs @ 12.04 hrs, Volume= 0.858 af, Atten= 0%, Lag= 0.0 min
Primary = 9.44 cfs @ 12.04 hrs, Volume= 0.858 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.16' @ 12.04 hrs
Flood Elev= 369.42'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.43'	**18.0" Round Culvert** L= 22.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.43' / 365.81' S= 0.0278 '/' Cc= 0.900 n= 0.013 Concrete pipe, bends & connections, Flow Area= 1.77 sf

Primary OutFlow Max=9.42 cfs @ 12.04 hrs HW=369.15' TW=365.26' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.42 cfs @ 5.33 fps)

Pond 10P: WQU69



Summary for Pond 52P: CB2

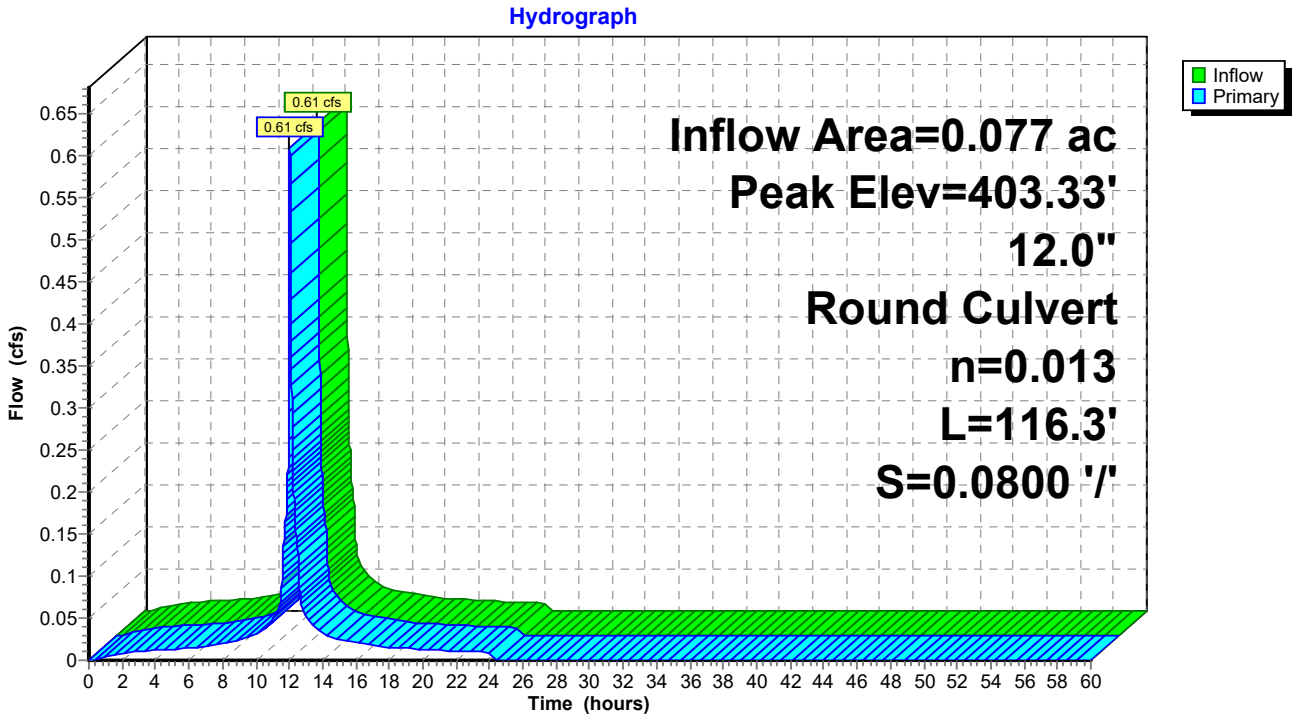
Inflow Area = 0.077 ac,100.00% Impervious, Inflow Depth = 8.62" for 100-yr event
Inflow = 0.61 cfs @ 12.04 hrs, Volume= 0.055 af
Outflow = 0.61 cfs @ 12.04 hrs, Volume= 0.055 af, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.04 hrs, Volume= 0.055 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.33' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	402.88'	**12.0" Round Culvert** L= 116.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 402.88' / 393.58' S= 0.0800 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.04 hrs HW=403.33' TW=394.53' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.61 cfs @ 1.79 fps)

Pond 52P: CB2



Summary for Pond 53P: CB1

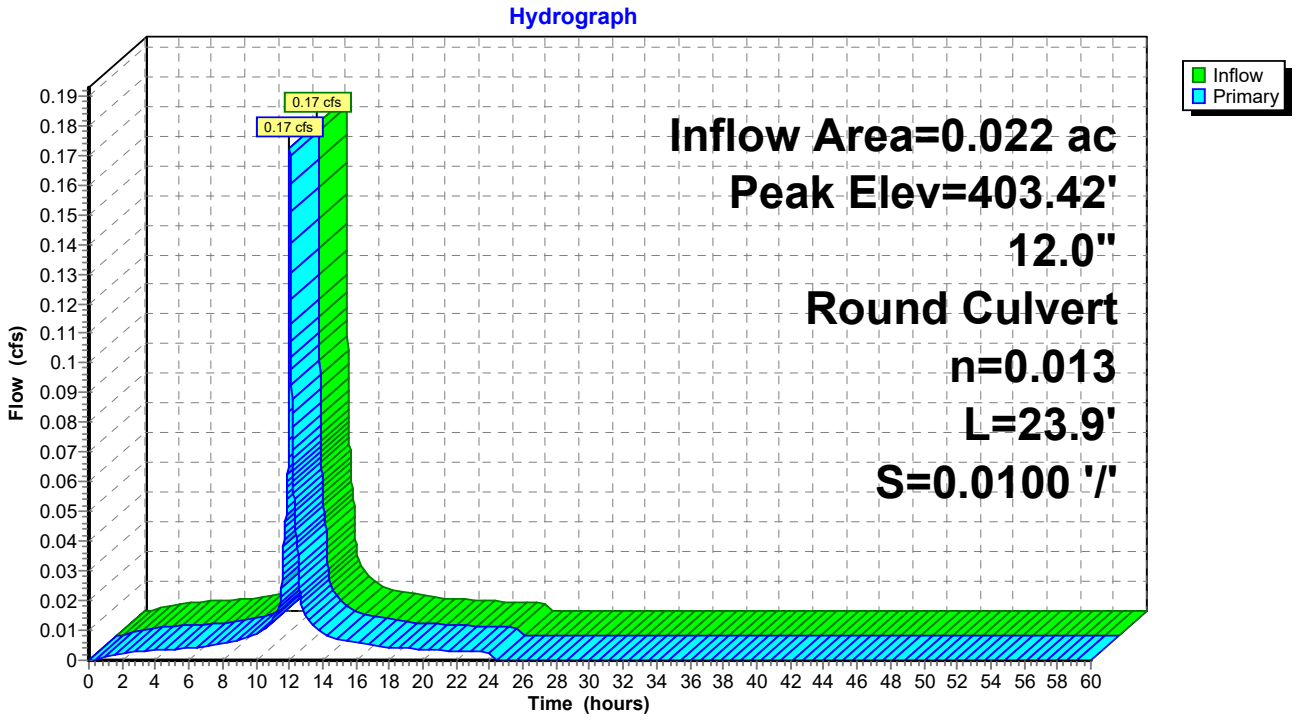
Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth = 8.62" for 100-yr event
Inflow = 0.17 cfs @ 12.04 hrs, Volume= 0.016 af
Outflow = 0.17 cfs @ 12.04 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.04 hrs, Volume= 0.016 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 403.42' @ 12.04 hrs
Flood Elev= 407.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	403.12'	**12.0" Round Culvert** L= 23.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 403.12' / 402.88' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.17 cfs @ 12.04 hrs HW=403.42' TW=403.33' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.17 cfs @ 1.30 fps)

Pond 53P: CB1



Summary for Pond 54P: CB3

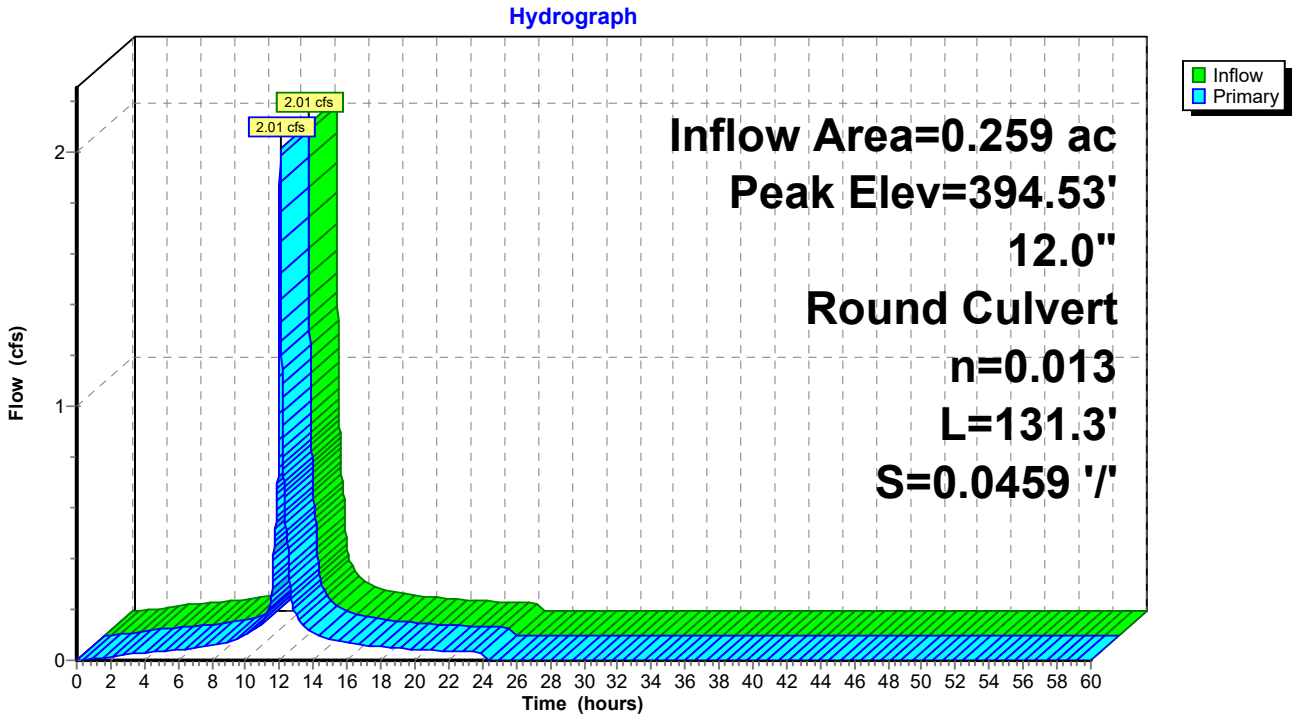
Inflow Area = 0.259 ac, 85.57% Impervious, Inflow Depth = 8.20" for 100-yr event
Inflow = 2.01 cfs @ 12.04 hrs, Volume= 0.177 af
Outflow = 2.01 cfs @ 12.04 hrs, Volume= 0.177 af, Atten= 0%, Lag= 0.0 min
Primary = 2.01 cfs @ 12.04 hrs, Volume= 0.177 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 394.53' @ 12.04 hrs
Flood Elev= 398.26'

Device	Routing	Invert	Outlet Devices
#1	Primary	393.58'	**12.0" Round Culvert** L= 131.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 393.58' / 387.55' S= 0.0459 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.01 cfs @ 12.04 hrs HW=394.53' TW=389.88' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.01 cfs @ 2.61 fps)

Pond 54P: CB3



Summary for Pond 55P: CB11

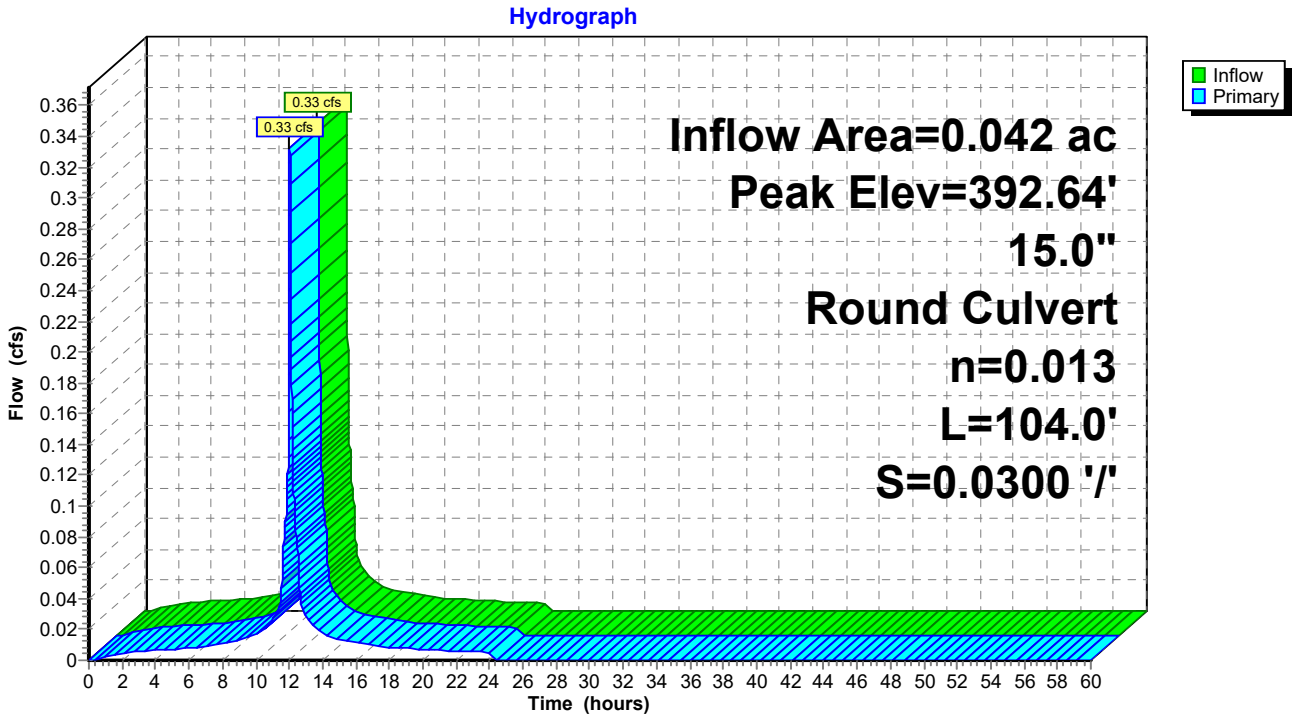
Inflow Area = 0.042 ac,100.00% Impervious, Inflow Depth = 8.62" for 100-yr event
Inflow = 0.33 cfs @ 12.04 hrs, Volume= 0.030 af
Outflow = 0.33 cfs @ 12.04 hrs, Volume= 0.030 af, Atten= 0%, Lag= 0.0 min
Primary = 0.33 cfs @ 12.04 hrs, Volume= 0.030 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 392.64' @ 12.04 hrs
Flood Elev= 396.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	392.34'	**15.0" Round Culvert** L= 104.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 392.34' / 389.22' S= 0.0300 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.33 cfs @ 12.04 hrs HW=392.64' TW=390.27' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.33 cfs @ 1.47 fps)

Pond 55P: CB11



Summary for Pond 56P: CB12

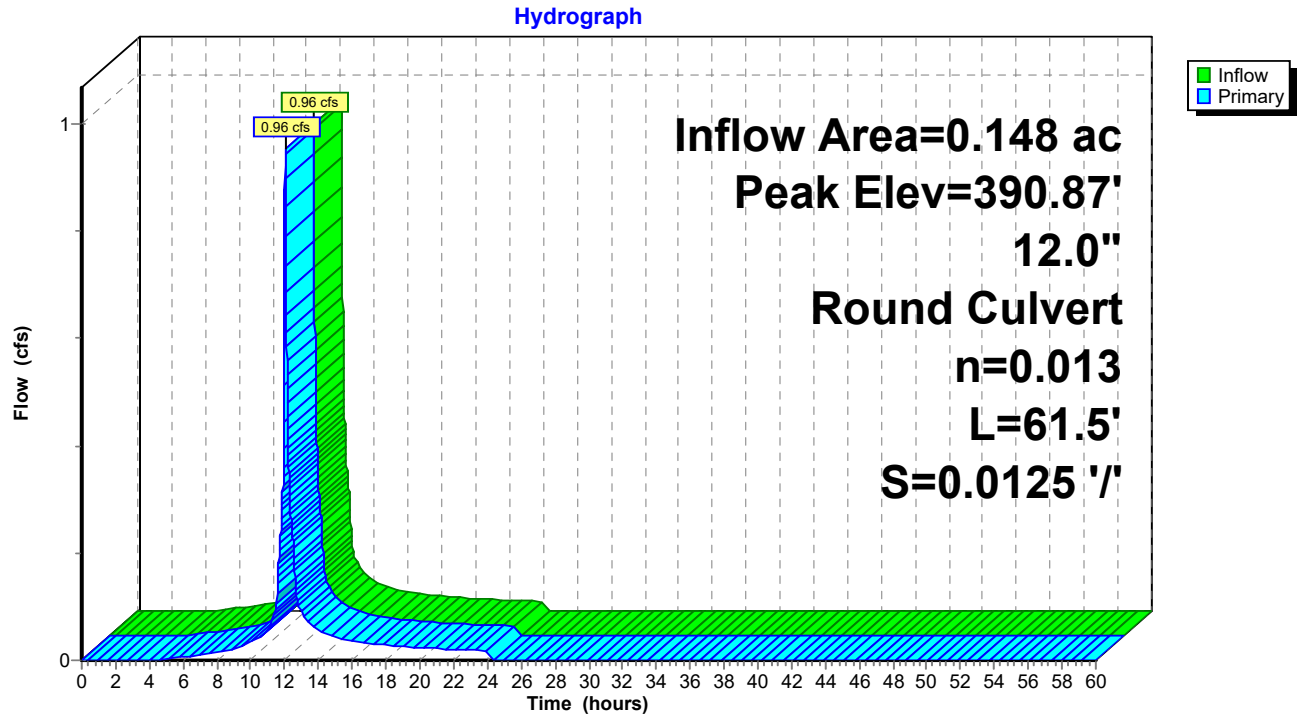
Inflow Area = 0.148 ac, 14.93% Impervious, Inflow Depth = 6.19" for 100-yr event
Inflow = 0.96 cfs @ 12.04 hrs, Volume= 0.076 af
Outflow = 0.96 cfs @ 12.04 hrs, Volume= 0.076 af, Atten= 0%, Lag= 0.0 min
Primary = 0.96 cfs @ 12.04 hrs, Volume= 0.076 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.87' @ 12.04 hrs
Flood Elev= 395.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	390.29'	**12.0" Round Culvert** L= 61.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 390.29' / 389.52' S= 0.0125 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.95 cfs @ 12.04 hrs HW=390.87' TW=390.27' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.95 cfs @ 2.04 fps)

Pond 56P: CB12



Summary for Pond 57P: CB13

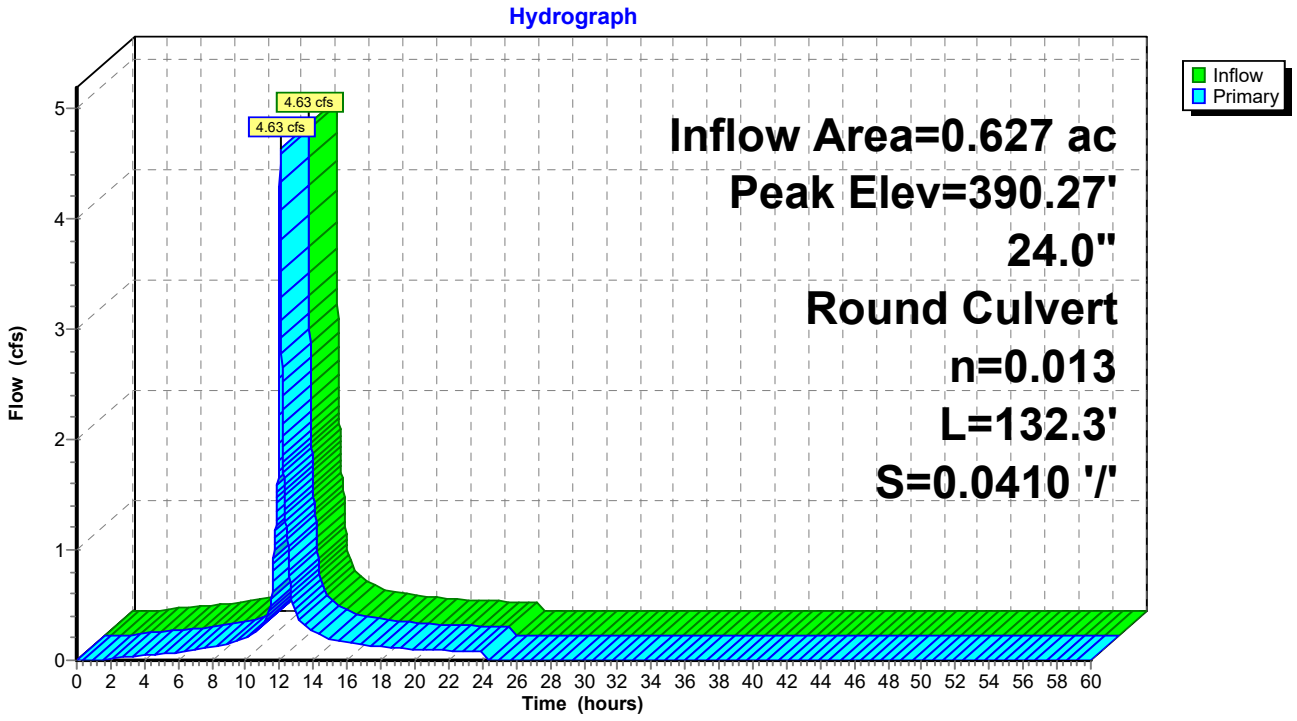
Inflow Area = 0.627 ac, 60.79% Impervious, Inflow Depth = 7.51" for 100-yr event
Inflow = 4.63 cfs @ 12.04 hrs, Volume= 0.393 af
Outflow = 4.63 cfs @ 12.04 hrs, Volume= 0.393 af, Atten= 0%, Lag= 0.0 min
Primary = 4.63 cfs @ 12.04 hrs, Volume= 0.393 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.27' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.22'	**24.0" Round Culvert** L= 132.3' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.22' / 383.79' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.62 cfs @ 12.04 hrs HW=390.27' TW=388.30' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.62 cfs @ 2.76 fps)

Pond 57P: CB13



Summary for Pond 58P: CB39

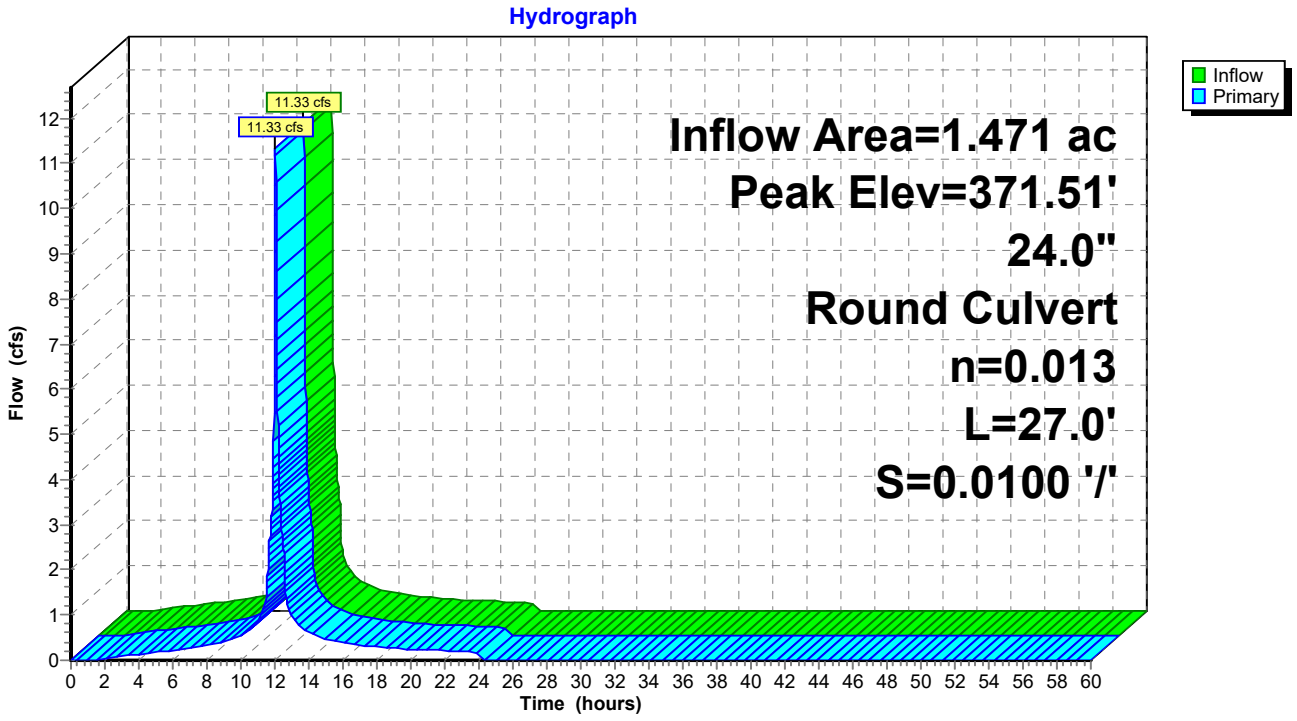
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 7.97" for 100-yr event
Inflow = 11.33 cfs @ 12.04 hrs, Volume= 0.977 af
Outflow = 11.33 cfs @ 12.04 hrs, Volume= 0.977 af, Atten= 0%, Lag= 0.0 min
Primary = 11.33 cfs @ 12.04 hrs, Volume= 0.977 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.51' @ 12.05 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.71'	**24.0" Round Culvert** L= 27.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.71' / 367.44' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=11.30 cfs @ 12.04 hrs HW=371.39' TW=370.50' (Dynamic Tailwater)
1=Culvert (Inlet Controls 11.30 cfs @ 3.60 fps)

Pond 58P: CB39



Summary for Pond 59P: CB14

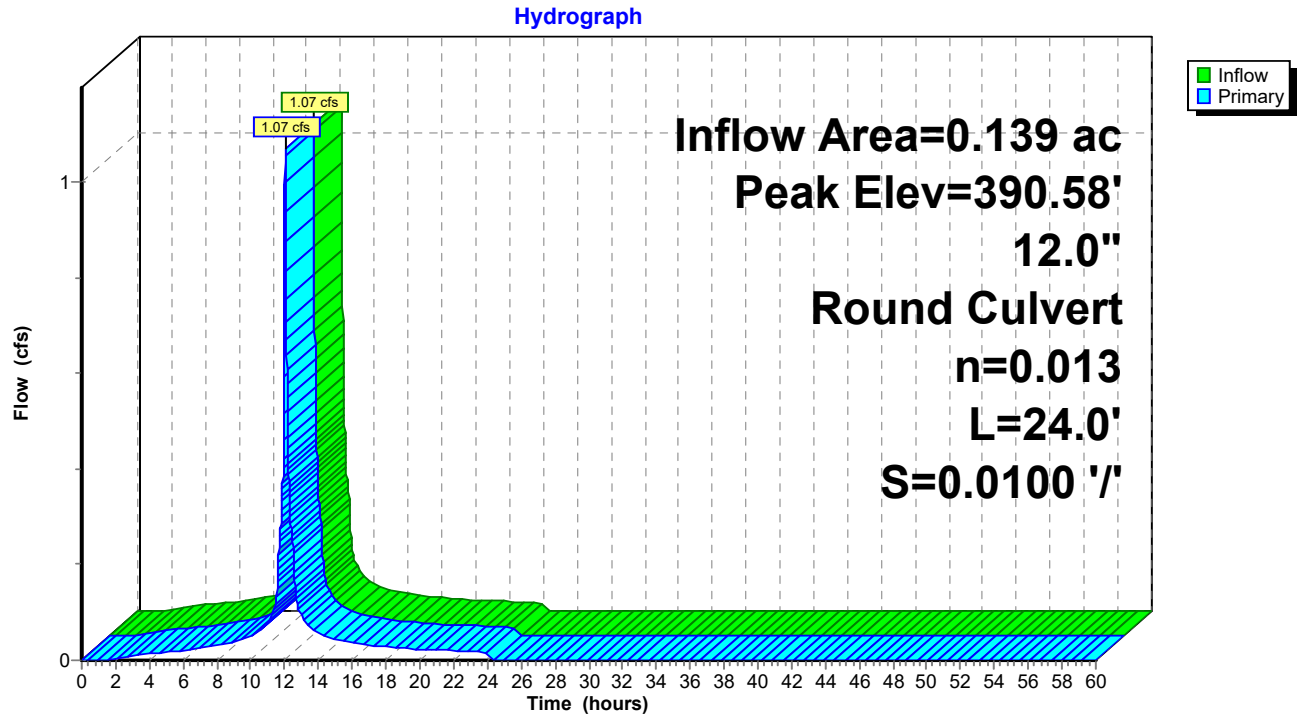
Inflow Area = 0.139 ac, 79.57% Impervious, Inflow Depth = 8.02" for 100-yr event
Inflow = 1.07 cfs @ 12.04 hrs, Volume= 0.093 af
Outflow = 1.07 cfs @ 12.04 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.07 cfs @ 12.04 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.58' @ 12.04 hrs
Flood Elev= 393.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	389.92'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 389.92' / 389.68' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.07 cfs @ 12.04 hrs HW=390.58' TW=390.27' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.07 cfs @ 2.74 fps)

Pond 59P: CB14



Summary for Pond 60P: CB16

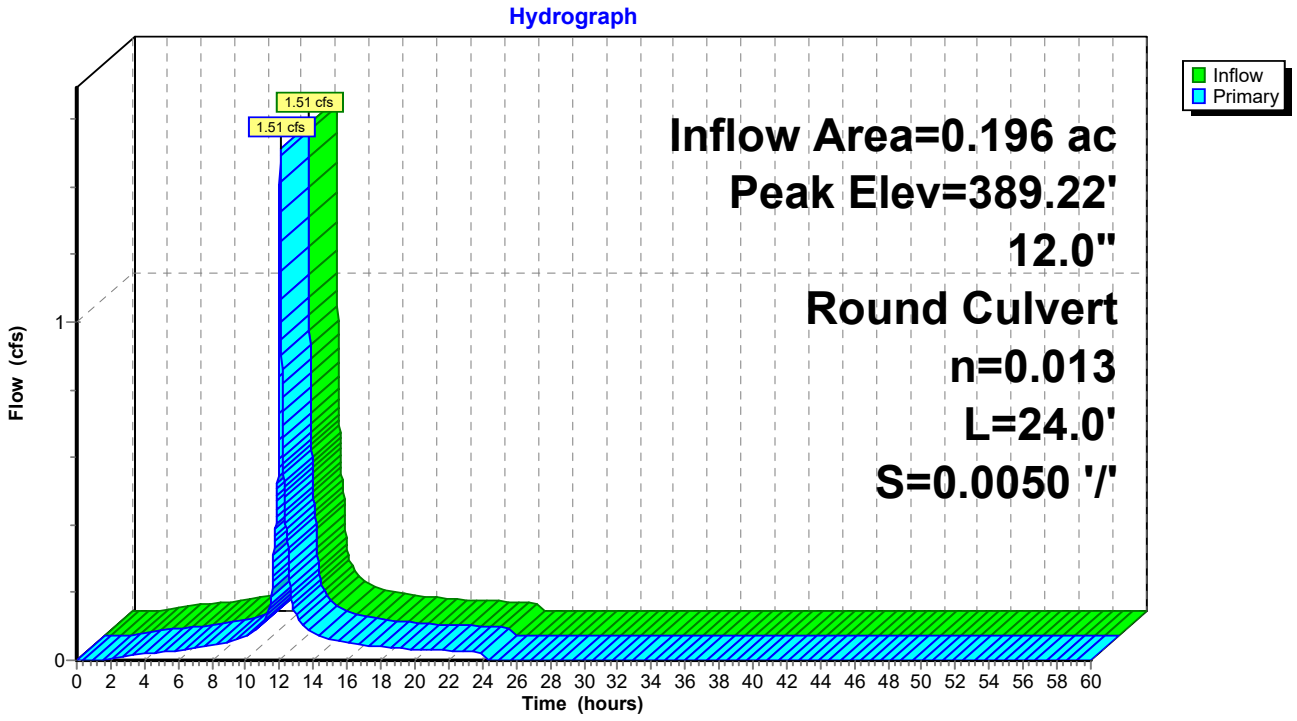
Inflow Area = 0.196 ac, 81.20% Impervious, Inflow Depth = 8.02" for 100-yr event
Inflow = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af
Outflow = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af, Atten= 0%, Lag= 0.0 min
Primary = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 389.22' @ 12.06 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	384.16'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 384.16' / 384.04' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.04 hrs HW=388.29' TW=388.28' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.37 cfs @ 0.47 fps)

Pond 60P: CB16



Summary for Pond 61P: CB15

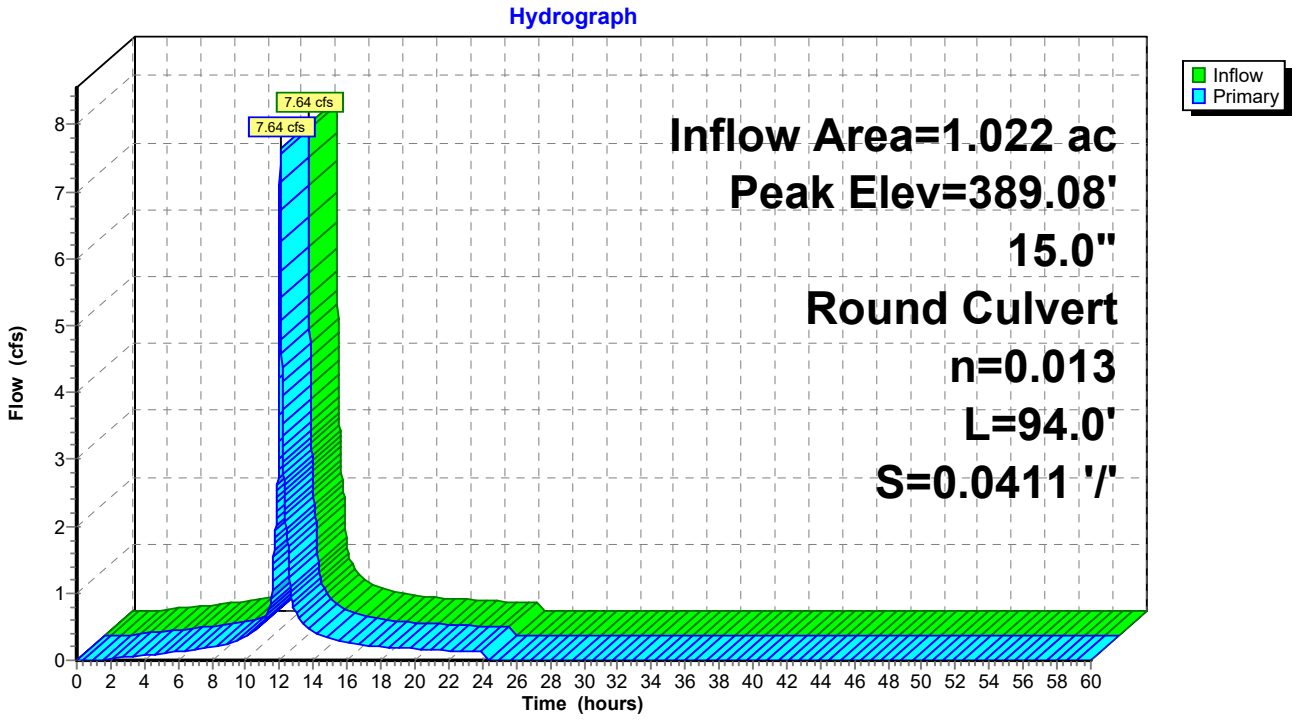
Inflow Area = 1.022 ac, 65.96% Impervious, Inflow Depth = 7.64" for 100-yr event
Inflow = 7.64 cfs @ 12.04 hrs, Volume= 0.650 af
Outflow = 7.64 cfs @ 12.04 hrs, Volume= 0.650 af, Atten= 0%, Lag= 0.0 min
Primary = 7.64 cfs @ 12.04 hrs, Volume= 0.650 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 389.08' @ 12.05 hrs
Flood Elev= 388.18'

Device	Routing	Invert	Outlet Devices
#1	Primary	383.79'	**15.0" Round Culvert** L= 94.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 383.79' / 379.93' S= 0.0411 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=7.18 cfs @ 12.04 hrs HW=388.30' TW=385.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.18 cfs @ 5.85 fps)

Pond 61P: CB15



Summary for Pond 62P: CB18

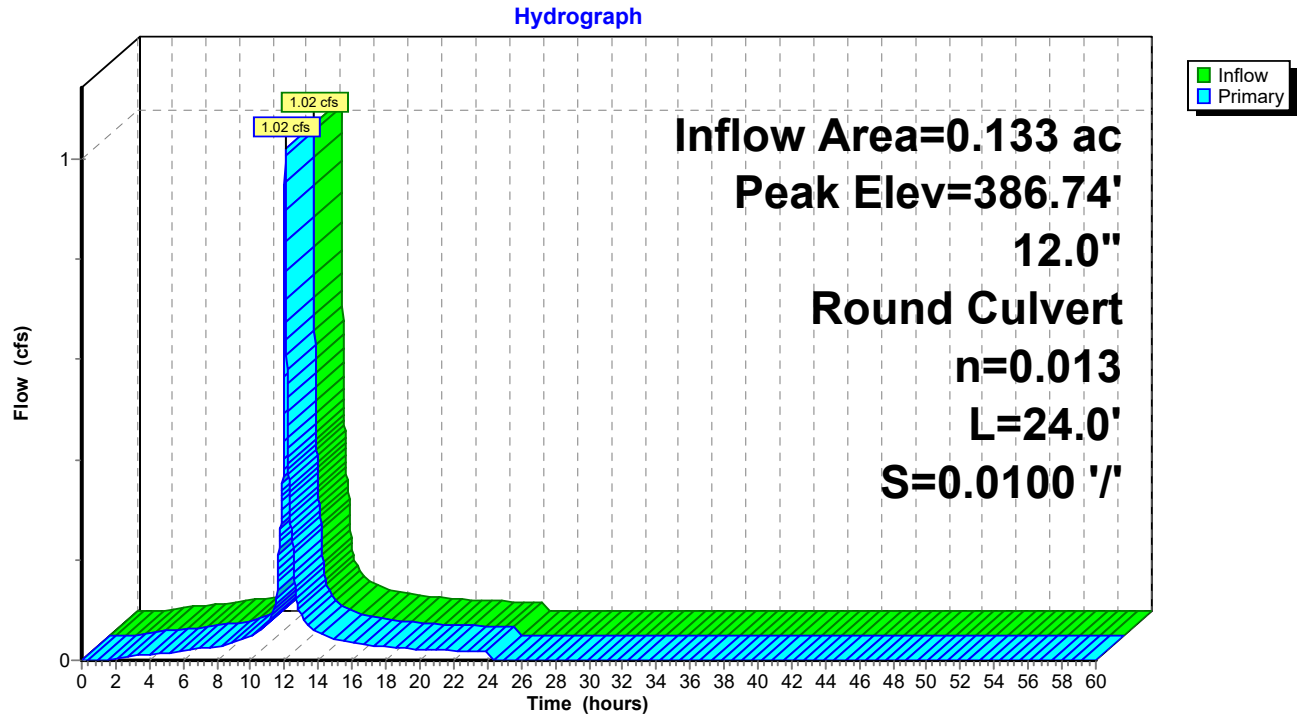
Inflow Area = 0.133 ac, 74.92% Impervious, Inflow Depth = 7.90" for 100-yr event
Inflow = 1.02 cfs @ 12.04 hrs, Volume= 0.087 af
Outflow = 1.02 cfs @ 12.04 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.0 min
Primary = 1.02 cfs @ 12.04 hrs, Volume= 0.087 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 386.74' @ 12.06 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.42'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.42' / 380.18' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.00 cfs @ 12.04 hrs HW=385.73' TW=385.91' (Dynamic Tailwater)
1=Culvert (Controls 0.00 cfs)

Pond 62P: CB18



Summary for Pond 63P: CB17

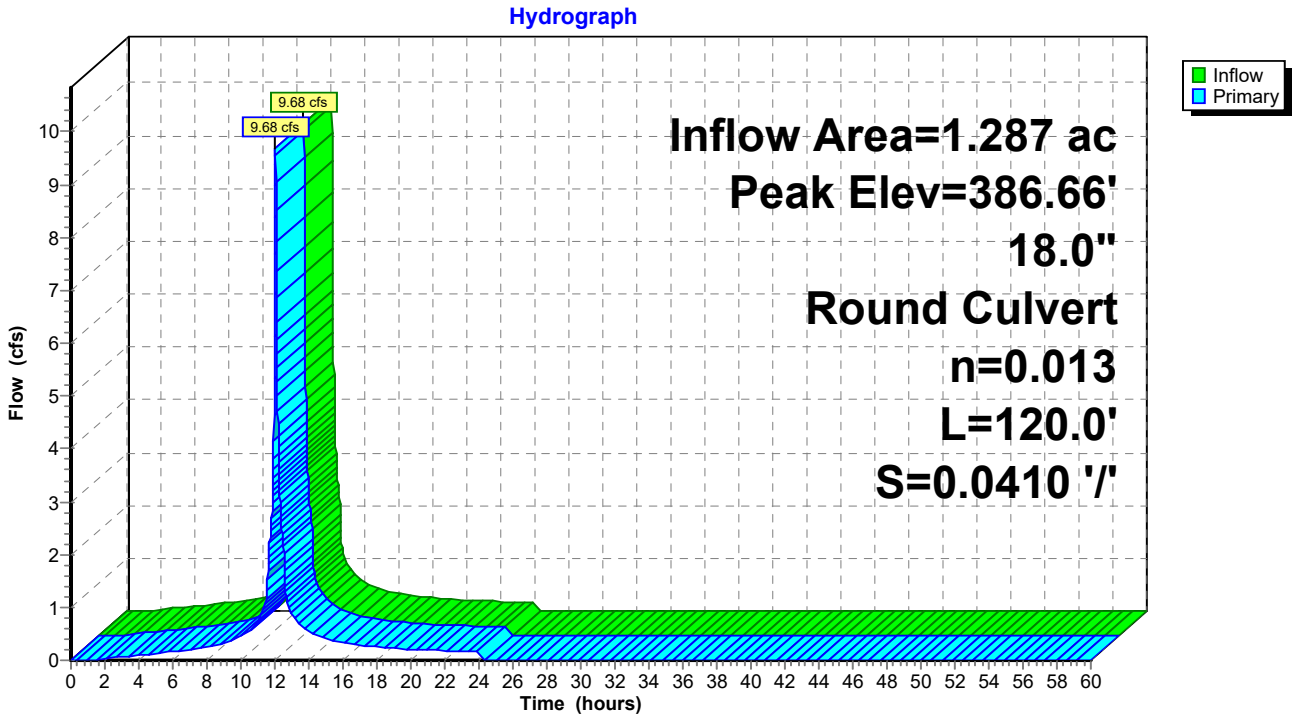
Inflow Area = 1.287 ac, 68.00% Impervious, Inflow Depth = 7.69" for 100-yr event
Inflow = 9.68 cfs @ 12.04 hrs, Volume= 0.825 af
Outflow = 9.68 cfs @ 12.04 hrs, Volume= 0.825 af, Atten= 0%, Lag= 0.0 min
Primary = 9.68 cfs @ 12.04 hrs, Volume= 0.825 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 386.66' @ 12.05 hrs
Flood Elev= 384.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	379.68'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 379.68' / 374.76' S= 0.0410 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=9.18 cfs @ 12.04 hrs HW=385.92' TW=384.06' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.18 cfs @ 5.19 fps)

Pond 63P: CB17



Summary for Pond 64P: CB20

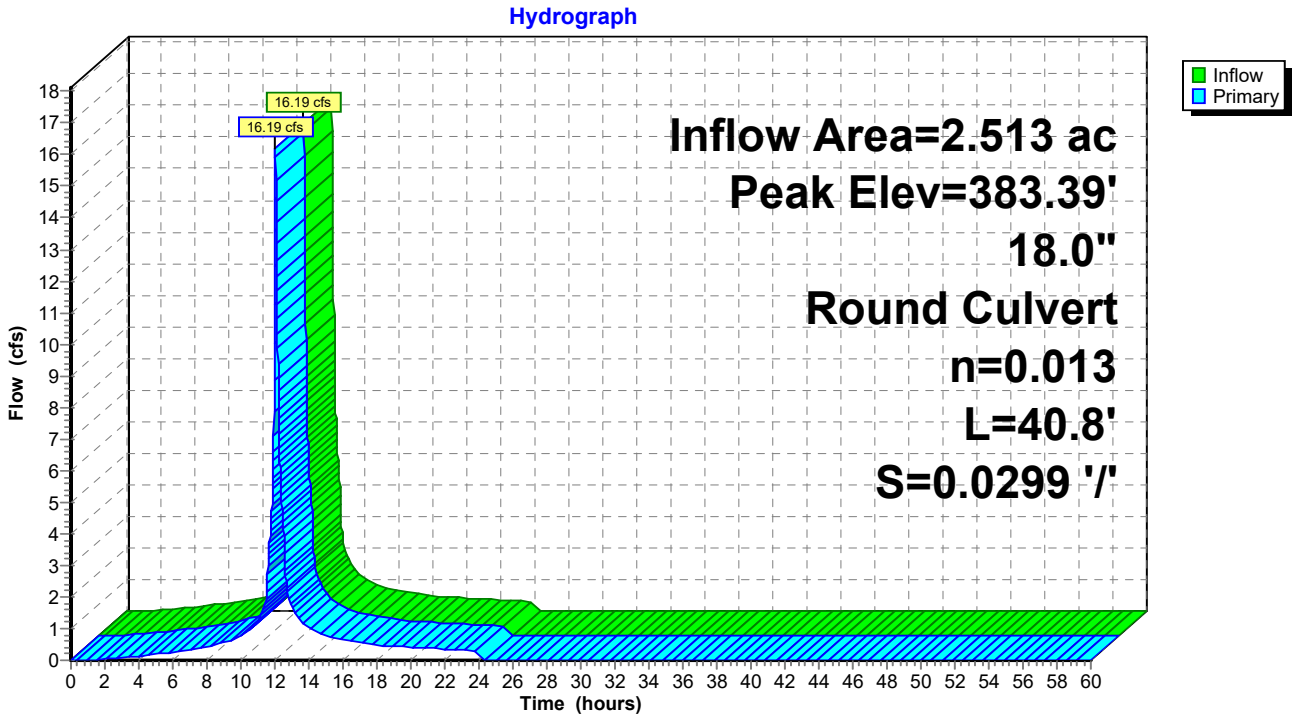
Inflow Area = 2.513 ac, 57.69% Impervious, Inflow Depth = 7.23" for 100-yr event
Inflow = 16.19 cfs @ 12.04 hrs, Volume= 1.515 af
Outflow = 16.19 cfs @ 12.04 hrs, Volume= 1.515 af, Atten= 0%, Lag= 0.0 min
Primary = 16.19 cfs @ 12.04 hrs, Volume= 1.515 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 383.39' @ 12.05 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.30'	**18.0" Round Culvert** L= 40.8' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.30' / 372.08' S= 0.0299 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=15.89 cfs @ 12.04 hrs HW=383.15' TW=377.55' (Dynamic Tailwater)
1=Culvert (Inlet Controls 15.89 cfs @ 8.99 fps)

Pond 64P: CB20



Summary for Pond 65P: CB19

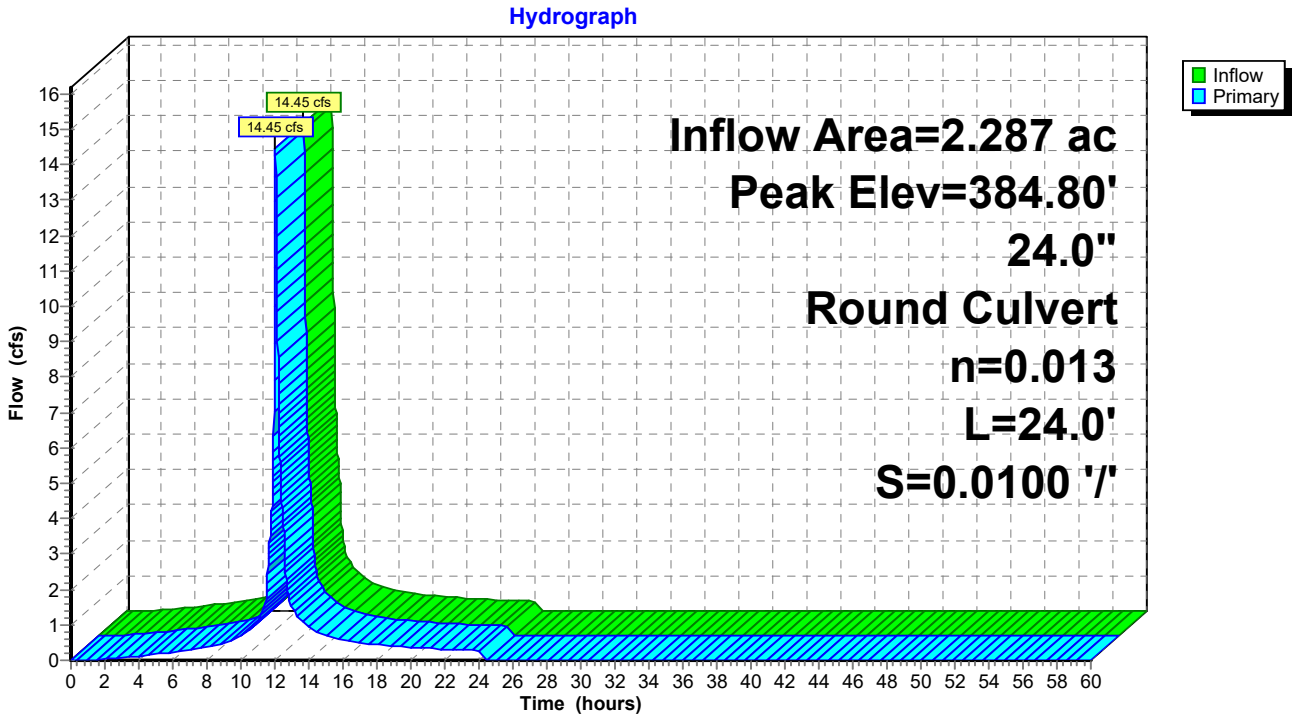
Inflow Area = 2.287 ac, 55.54% Impervious, Inflow Depth = 7.16" for 100-yr event
Inflow = 14.45 cfs @ 12.04 hrs, Volume= 1.364 af
Outflow = 14.45 cfs @ 12.04 hrs, Volume= 1.364 af, Atten= 0%, Lag= 0.0 min
Primary = 14.45 cfs @ 12.04 hrs, Volume= 1.364 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 384.80' @ 12.05 hrs
Flood Elev= 379.51'

Device	Routing	Invert	Outlet Devices
#1	Primary	375.00'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 375.00' / 374.76' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.71 cfs @ 12.04 hrs HW=384.51' TW=383.19' (Dynamic Tailwater)
1=Culvert (Inlet Controls 13.71 cfs @ 4.37 fps)

Pond 65P: CB19



Summary for Pond 66P: CB21

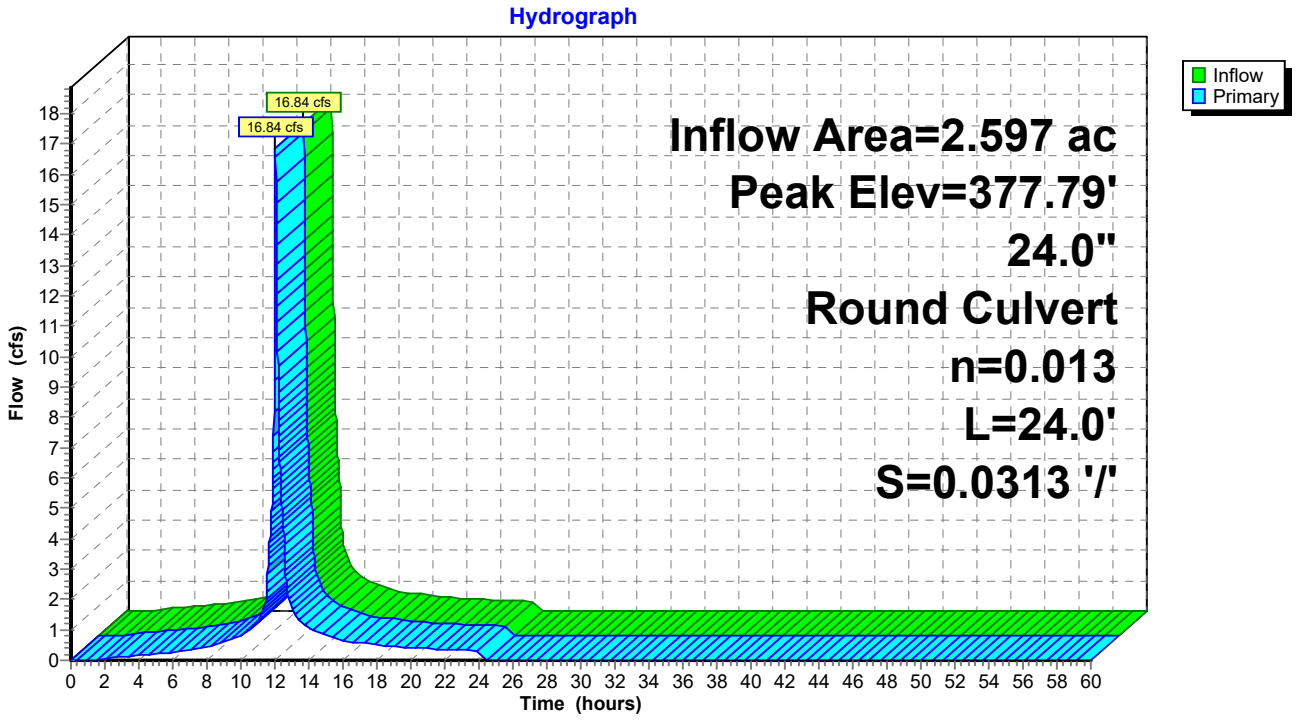
Inflow Area = 2.597 ac, 58.97% Impervious, Inflow Depth = 7.27" for 100-yr event
Inflow = 16.84 cfs @ 12.04 hrs, Volume= 1.574 af
Outflow = 16.84 cfs @ 12.04 hrs, Volume= 1.574 af, Atten= 0%, Lag= 0.0 min
Primary = 16.84 cfs @ 12.04 hrs, Volume= 1.574 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 377.79' @ 12.05 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	372.84'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 372.84' / 372.09' S= 0.0313 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.28 cfs @ 12.04 hrs HW=377.54' TW=375.68' (Dynamic Tailwater)
1=Culvert (Inlet Controls 16.28 cfs @ 5.18 fps)

Pond 66P: CB21



Summary for Pond 67P: CB22

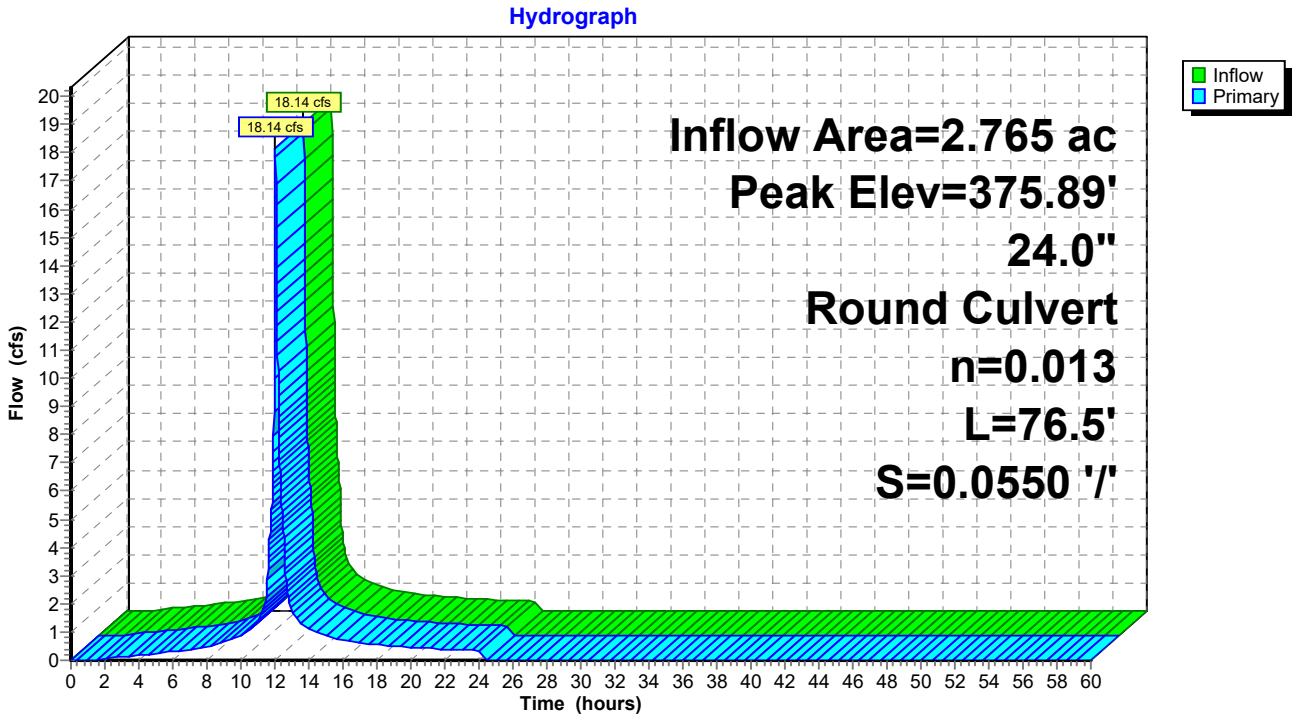
Inflow Area = 2.765 ac, 60.35% Impervious, Inflow Depth = 7.33" for 100-yr event
Inflow = 18.14 cfs @ 12.04 hrs, Volume= 1.688 af
Outflow = 18.14 cfs @ 12.04 hrs, Volume= 1.688 af, Atten= 0%, Lag= 0.0 min
Primary = 18.14 cfs @ 12.04 hrs, Volume= 1.688 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.89' @ 12.05 hrs
Flood Elev= 376.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.59'	**24.0" Round Culvert** L= 76.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.59' / 367.38' S= 0.0550 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=17.81 cfs @ 12.04 hrs HW=375.67' TW=373.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 17.81 cfs @ 5.67 fps)

Pond 67P: CB22



Summary for Pond 68P: CB28

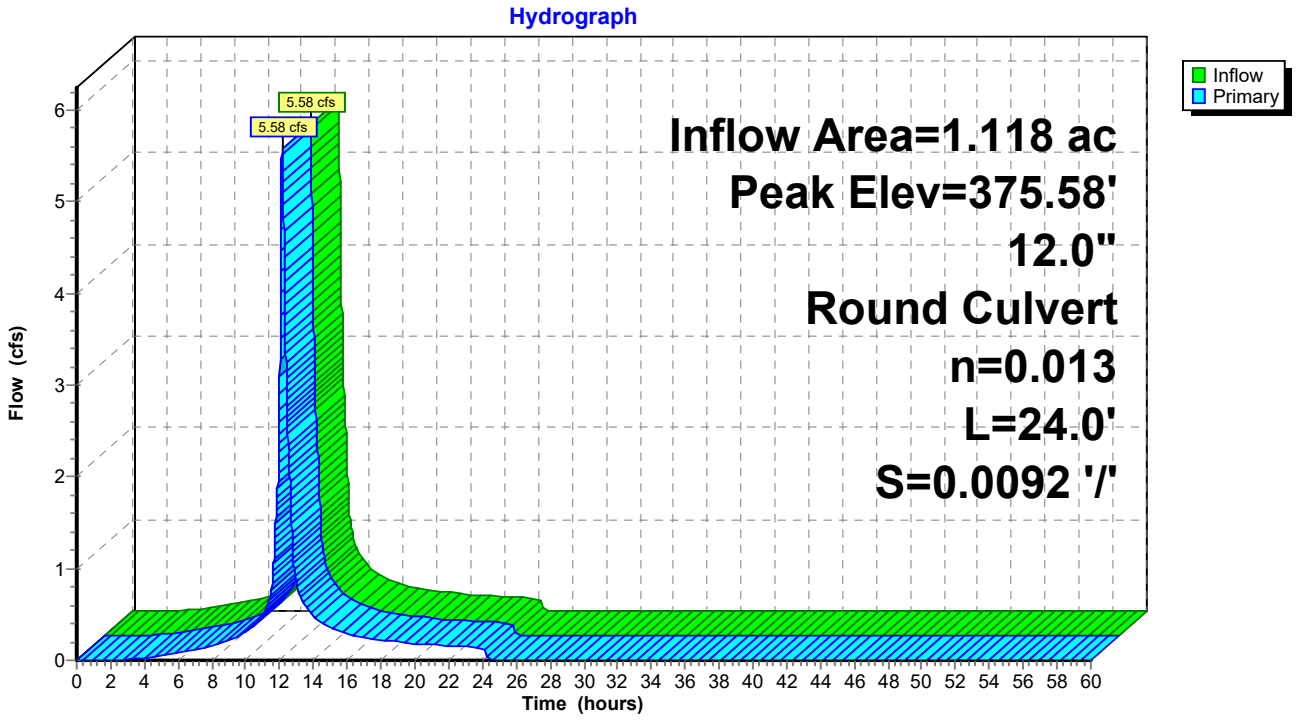
Inflow Area = 1.118 ac, 42.01% Impervious, Inflow Depth = 6.95" for 100-yr event
Inflow = 5.58 cfs @ 12.16 hrs, Volume= 0.648 af
Outflow = 5.58 cfs @ 12.16 hrs, Volume= 0.648 af, Atten= 0%, Lag= 0.0 min
Primary = 5.58 cfs @ 12.16 hrs, Volume= 0.648 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 375.58' @ 12.07 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.85'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.85' / 368.63' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.57 cfs @ 12.16 hrs HW=374.03' TW=370.55' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.57 cfs @ 7.10 fps)

Pond 68P: CB28



Summary for Pond 69P: CB26

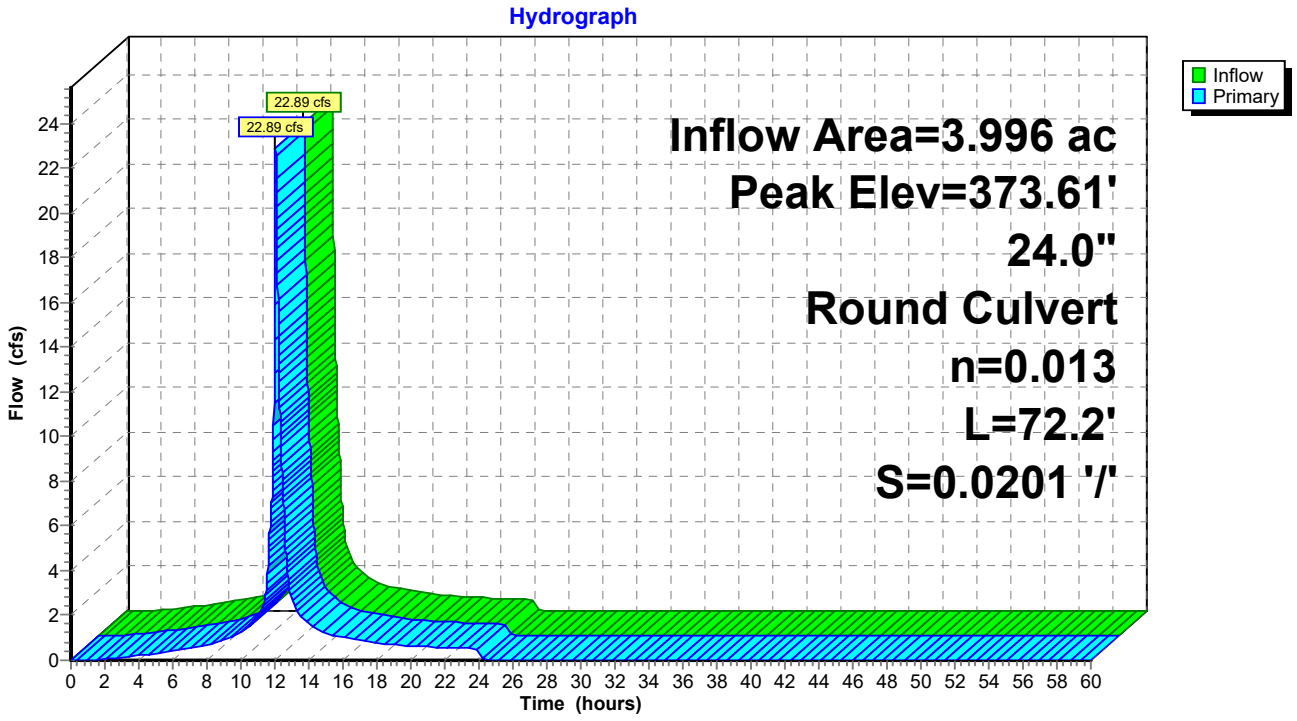
Inflow Area = 3.996 ac, 55.78% Impervious, Inflow Depth = 7.24" for 100-yr event
Inflow = 22.89 cfs @ 12.05 hrs, Volume= 2.412 af
Outflow = 22.89 cfs @ 12.05 hrs, Volume= 2.412 af, Atten= 0%, Lag= 0.0 min
Primary = 22.89 cfs @ 12.05 hrs, Volume= 2.412 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 373.61' @ 12.05 hrs
Flood Elev= 372.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.38'	**24.0" Round Culvert** L= 72.2' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.38' / 365.93' S= 0.0201 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=22.91 cfs @ 12.05 hrs HW=373.57' TW=369.90' (Dynamic Tailwater)
1=Culvert (Inlet Controls 22.91 cfs @ 7.29 fps)

Pond 69P: CB26



Summary for Pond 70P: CB29

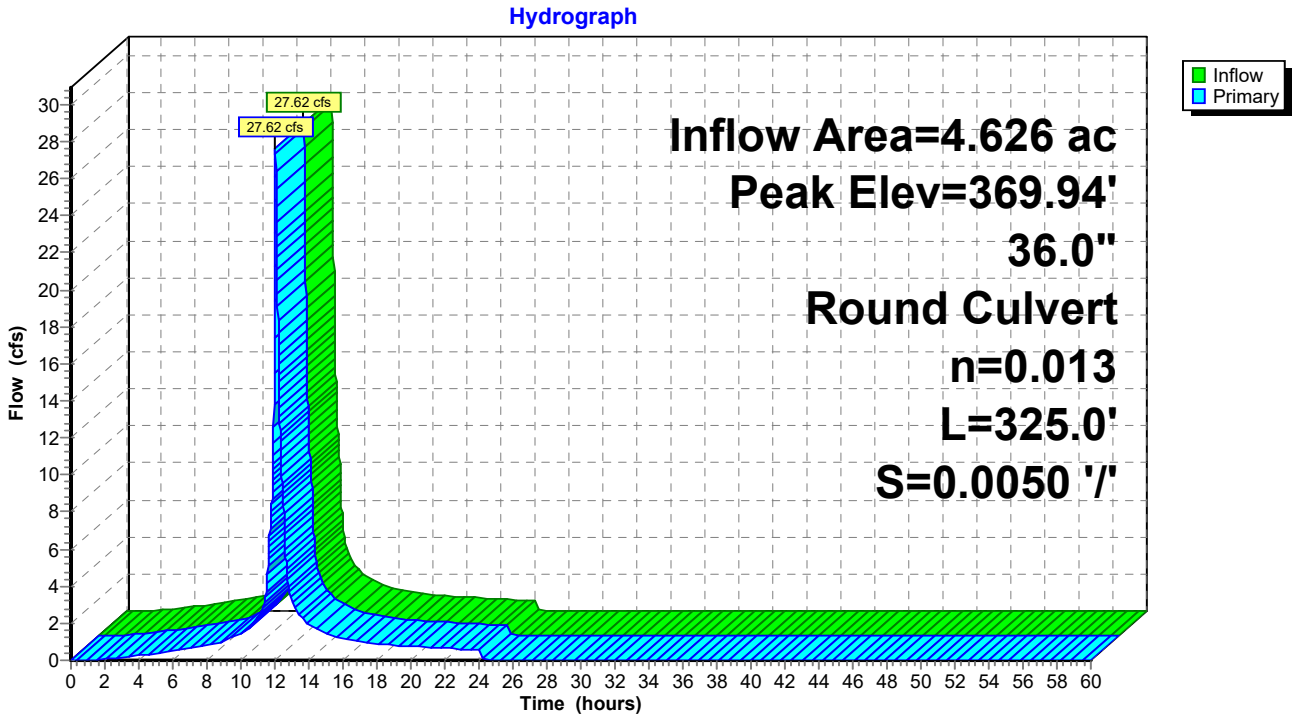
Inflow Area = 4.626 ac, 57.99% Impervious, Inflow Depth = 7.32" for 100-yr event
Inflow = 27.62 cfs @ 12.05 hrs, Volume= 2.821 af
Outflow = 27.62 cfs @ 12.05 hrs, Volume= 2.821 af, Atten= 0%, Lag= 0.0 min
Primary = 27.62 cfs @ 12.05 hrs, Volume= 2.821 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.94' @ 12.06 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	364.93'	**36.0" Round Culvert** L= 325.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 364.93' / 363.31' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.79 cfs @ 12.05 hrs HW=369.89' TW=368.89' (Dynamic Tailwater)
1=Culvert (Inlet Controls 26.79 cfs @ 3.79 fps)

Pond 70P: CB29



Summary for Pond 71P: CB30

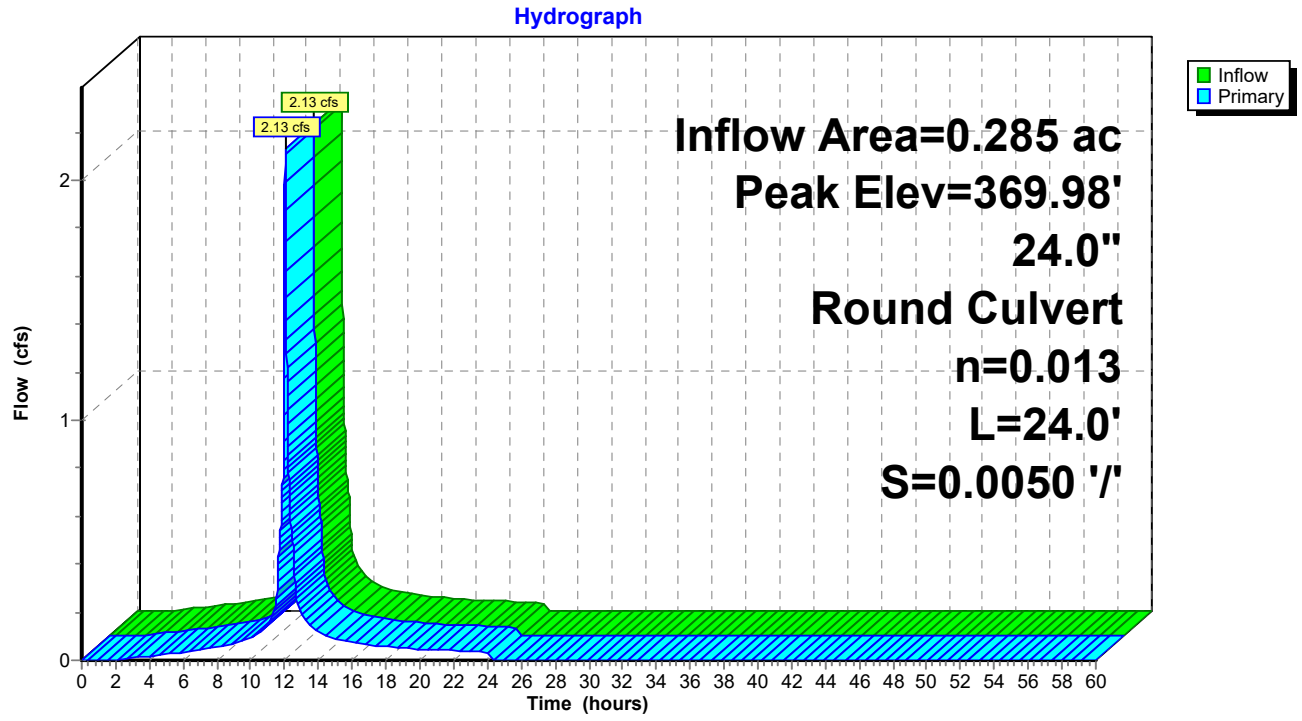
Inflow Area = 0.285 ac, 61.49% Impervious, Inflow Depth = 7.53" for 100-yr event
Inflow = 2.13 cfs @ 12.04 hrs, Volume= 0.179 af
Outflow = 2.13 cfs @ 12.04 hrs, Volume= 0.179 af, Atten= 0%, Lag= 0.0 min
Primary = 2.13 cfs @ 12.04 hrs, Volume= 0.179 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.98' @ 12.05 hrs
Flood Elev= 370.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.05'	**24.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.05' / 365.93' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=0.00 cfs @ 12.04 hrs HW=369.69' TW=369.74' (Dynamic Tailwater)
1=Culvert (Controls 0.00 cfs)

Pond 71P: CB30



Summary for Pond 72P: CB27

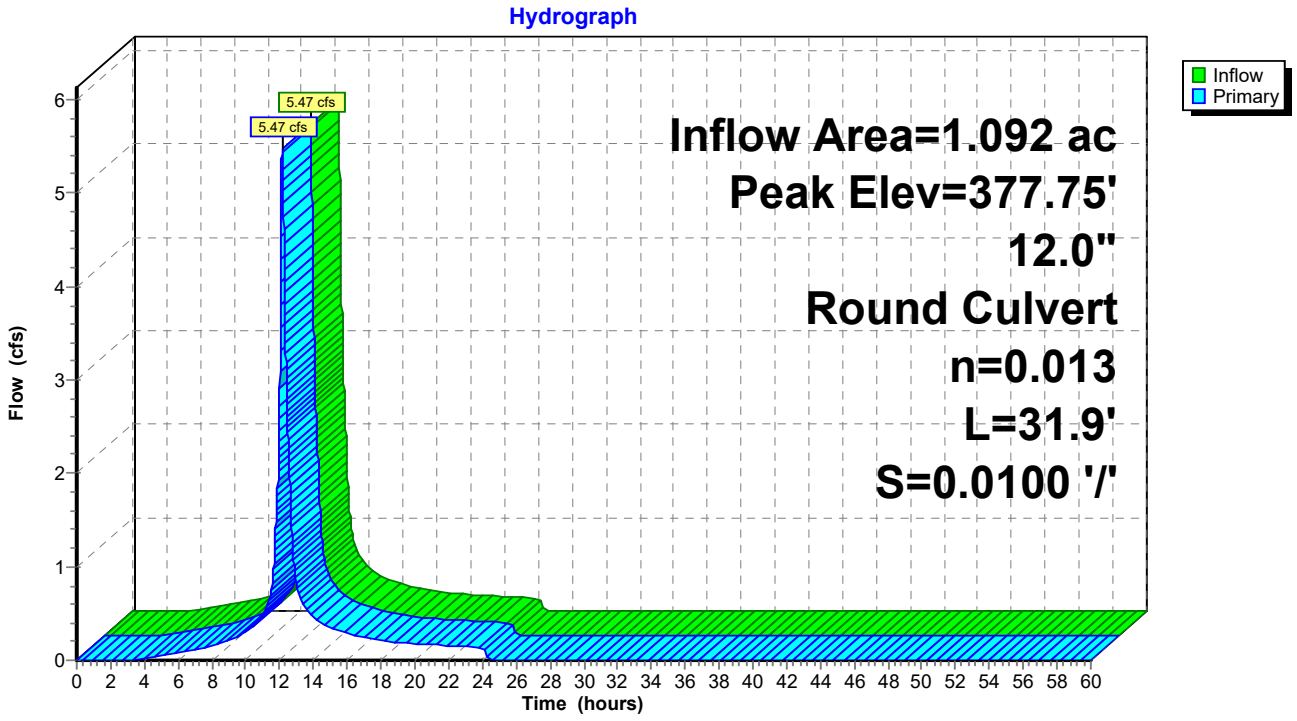
Inflow Area = 1.092 ac, 40.96% Impervious, Inflow Depth = 6.92" for 100-yr event
Inflow = 5.47 cfs @ 12.16 hrs, Volume= 0.630 af
Outflow = 5.47 cfs @ 12.16 hrs, Volume= 0.630 af, Atten= 0%, Lag= 0.0 min
Primary = 5.47 cfs @ 12.16 hrs, Volume= 0.630 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 377.75' @ 12.09 hrs
Flood Elev= 373.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.27'	**12.0" Round Culvert** L= 31.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.27' / 368.95' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.47 cfs @ 12.16 hrs HW=377.36' TW=374.01' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 5.47 cfs @ 6.96 fps)

Pond 72P: CB27



Summary for Pond 73P: CB38

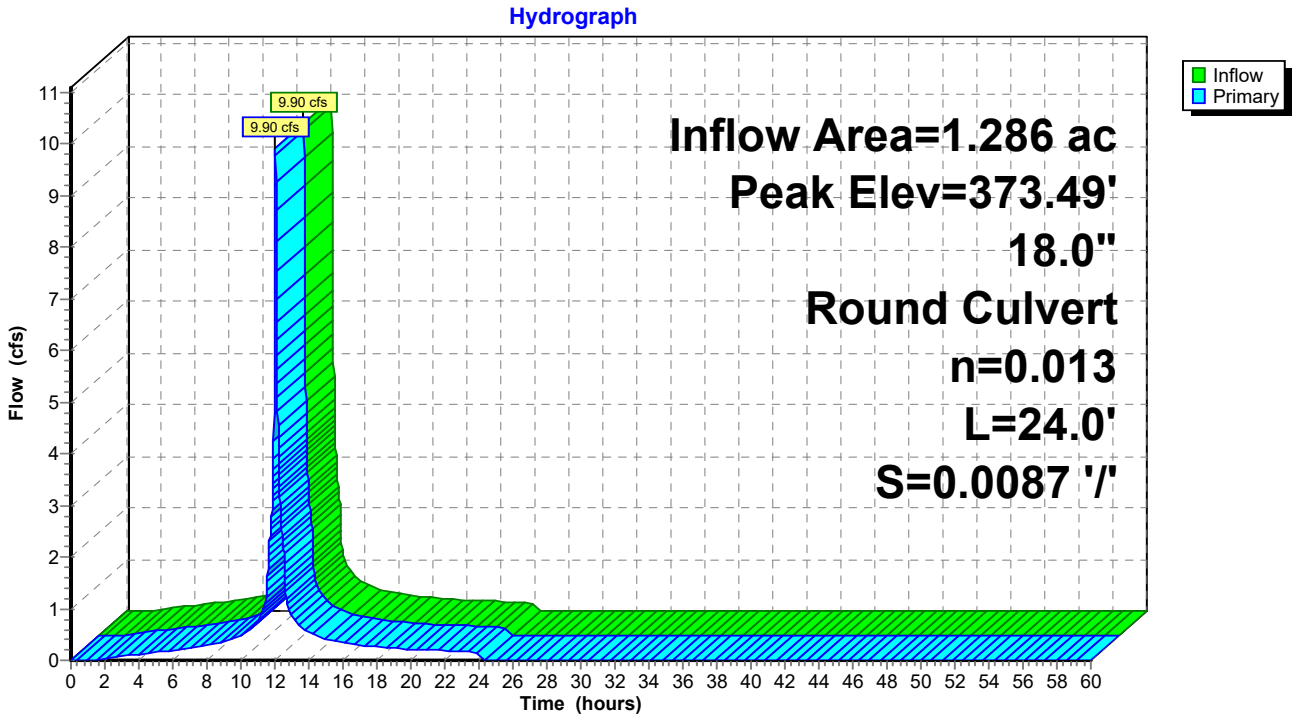
Inflow Area = 1.286 ac, 77.38% Impervious, Inflow Depth = 7.97" for 100-yr event
Inflow = 9.90 cfs @ 12.04 hrs, Volume= 0.854 af
Outflow = 9.90 cfs @ 12.04 hrs, Volume= 0.854 af, Atten= 0%, Lag= 0.0 min
Primary = 9.90 cfs @ 12.04 hrs, Volume= 0.854 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 373.49' @ 12.04 hrs
Flood Elev= 371.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**18.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.74' S= 0.0087 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=9.56 cfs @ 12.04 hrs HW=373.42' TW=371.39' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 9.56 cfs @ 5.41 fps)

Pond 73P: CB38



Summary for Pond 74P: CB36

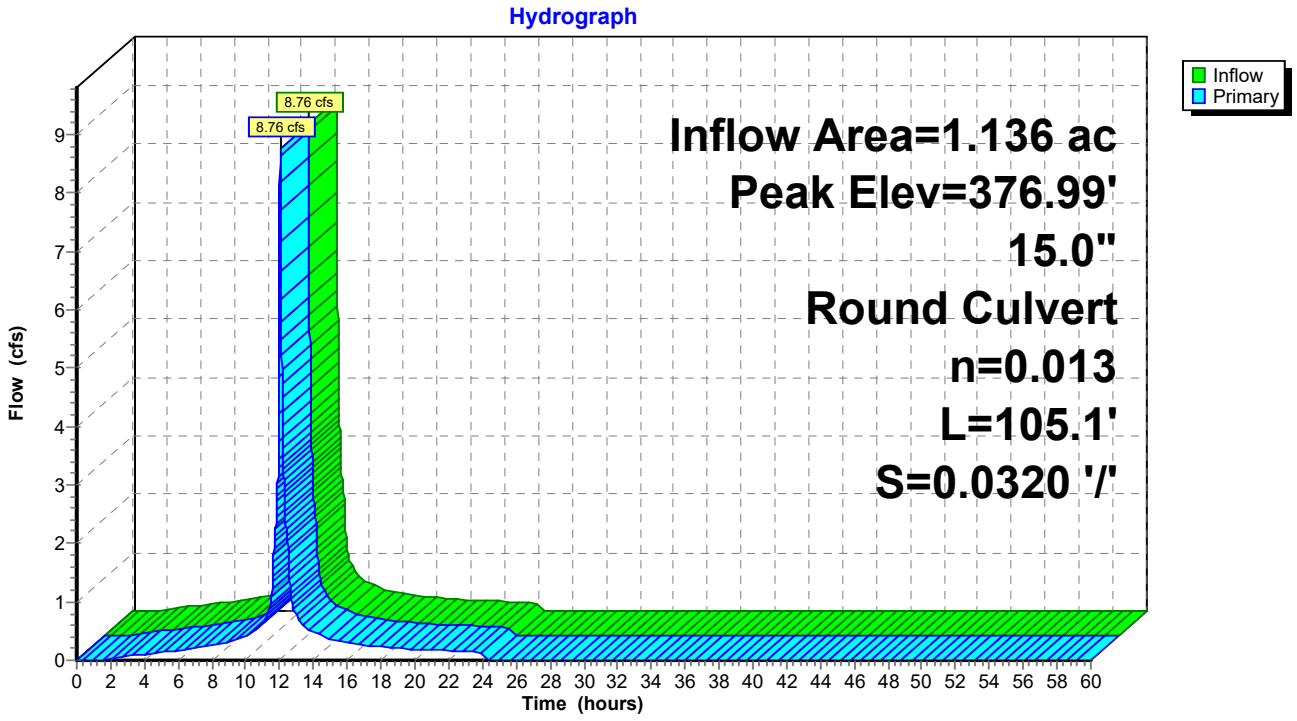
Inflow Area = 1.136 ac, 78.27% Impervious, Inflow Depth = 7.99" for 100-yr event
Inflow = 8.76 cfs @ 12.04 hrs, Volume= 0.757 af
Outflow = 8.76 cfs @ 12.04 hrs, Volume= 0.757 af, Atten= 0%, Lag= 0.0 min
Primary = 8.76 cfs @ 12.04 hrs, Volume= 0.757 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 376.99' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.20'	**15.0" Round Culvert** L= 105.1' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.20' / 366.84' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=8.71 cfs @ 12.04 hrs HW=376.91' TW=373.42' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.71 cfs @ 7.10 fps)

Pond 74P: CB36



Summary for Pond 75P: CB37

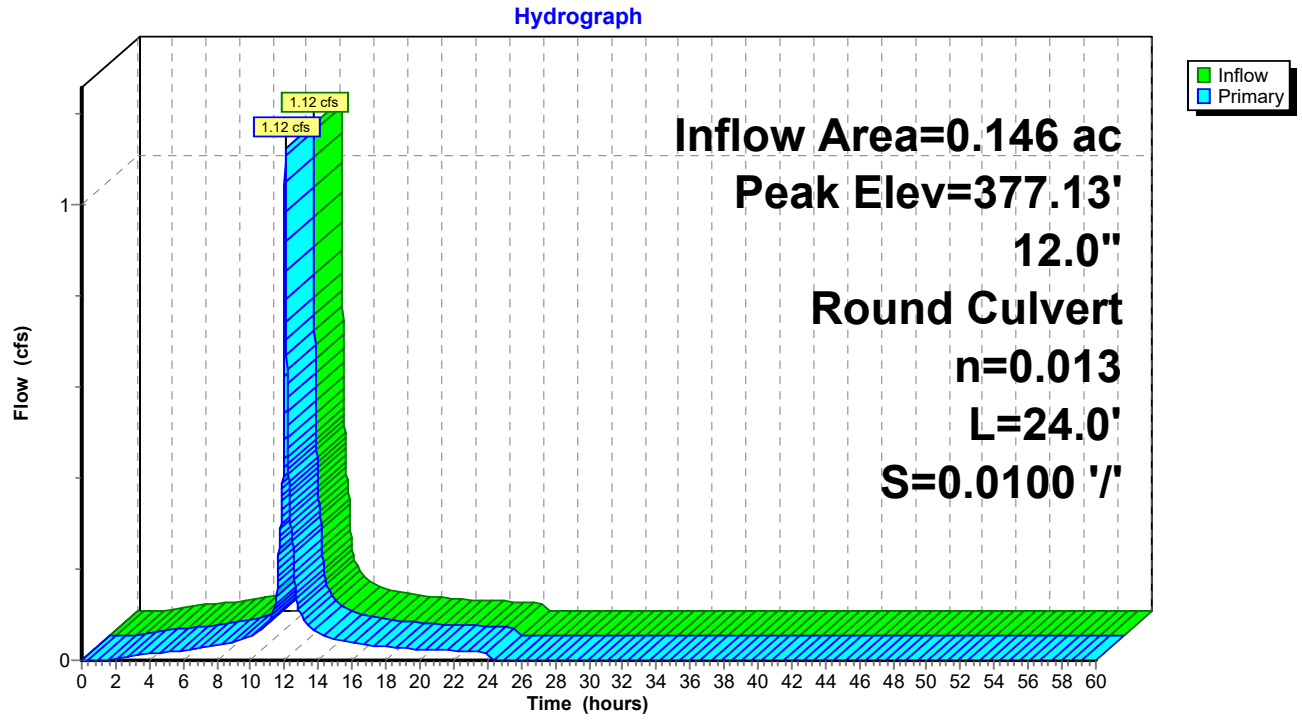
Inflow Area = 0.146 ac, 78.42% Impervious, Inflow Depth = 8.02" for 100-yr event
Inflow = 1.12 cfs @ 12.04 hrs, Volume= 0.097 af
Outflow = 1.12 cfs @ 12.04 hrs, Volume= 0.097 af, Atten= 0%, Lag= 0.0 min
Primary = 1.12 cfs @ 12.04 hrs, Volume= 0.097 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 377.13' @ 12.04 hrs
Flood Elev= 375.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	371.39'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 371.39' / 371.15' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.04 cfs @ 12.04 hrs HW=377.03' TW=376.91' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.04 cfs @ 1.33 fps)

Pond 75P: CB37



Summary for Pond 76P: CB34

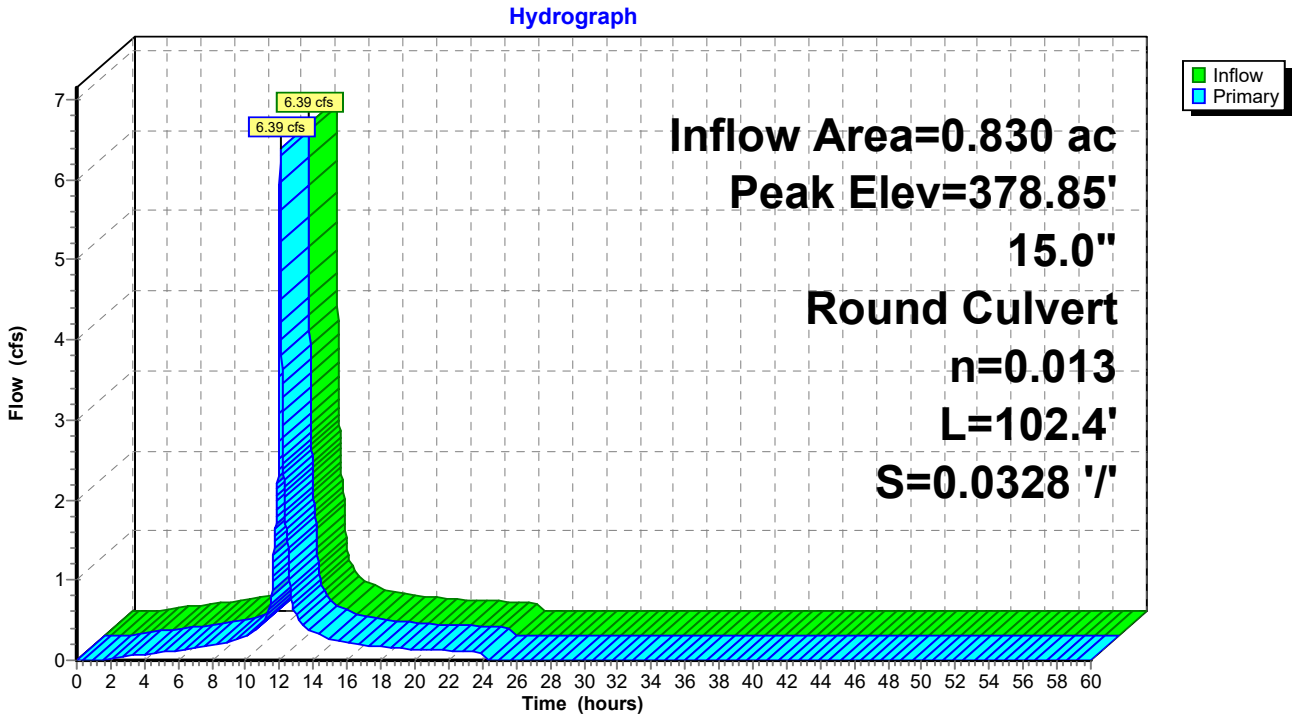
Inflow Area = 0.830 ac, 77.05% Impervious, Inflow Depth = 7.96" for 100-yr event
Inflow = 6.39 cfs @ 12.04 hrs, Volume= 0.551 af
Outflow = 6.39 cfs @ 12.04 hrs, Volume= 0.551 af, Atten= 0%, Lag= 0.0 min
Primary = 6.39 cfs @ 12.04 hrs, Volume= 0.551 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.85' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	373.81'	**15.0" Round Culvert** L= 102.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 373.81' / 370.45' S= 0.0328 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.34 cfs @ 12.04 hrs HW=378.75' TW=376.91' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.34 cfs @ 5.16 fps)

Pond 76P: CB34



Summary for Pond 78P: WQU1

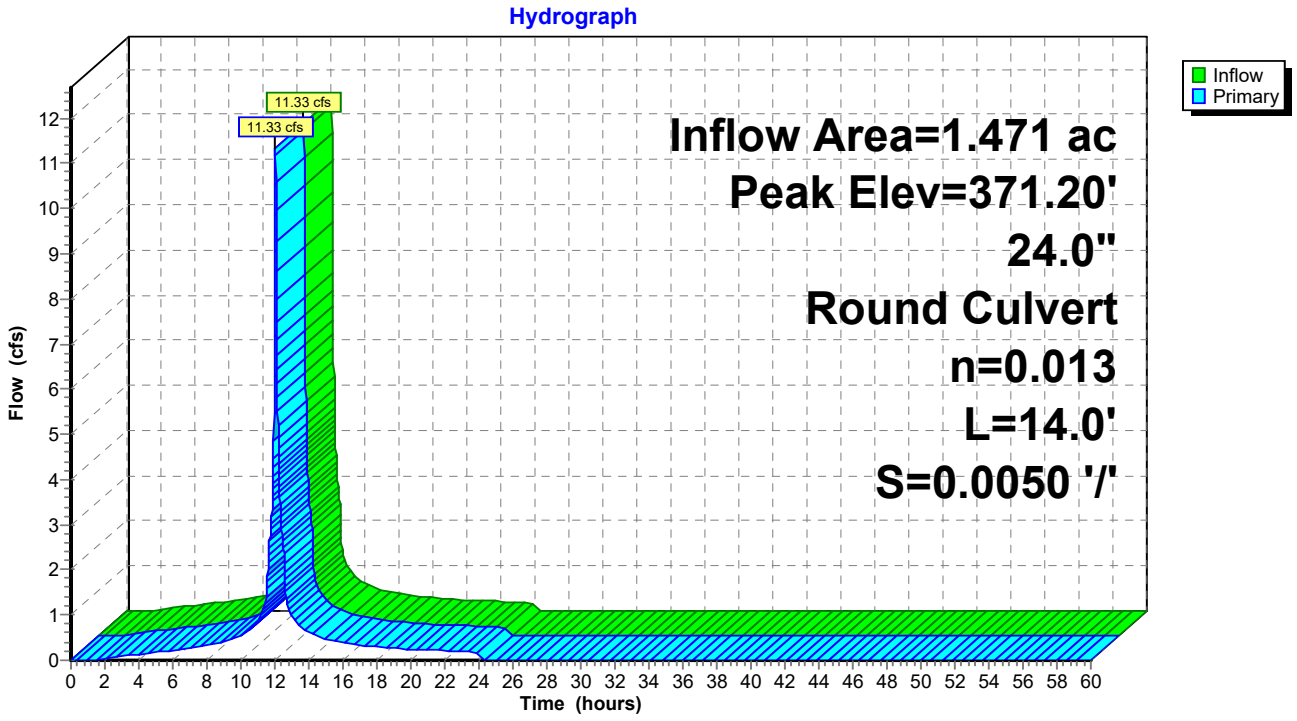
Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 7.97" for 100-yr event
Inflow = 11.33 cfs @ 12.04 hrs, Volume= 0.977 af
Outflow = 11.33 cfs @ 12.04 hrs, Volume= 0.977 af, Atten= 0%, Lag= 0.0 min
Primary = 11.33 cfs @ 12.04 hrs, Volume= 0.977 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.20' @ 12.37 hrs
Flood Elev= 372.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.44'	**24.0" Round Culvert** L= 14.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.44' / 367.37' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=11.30 cfs @ 12.04 hrs HW=370.50' TW=369.60' (Dynamic Tailwater)
1=Culvert (Inlet Controls 11.30 cfs @ 3.60 fps)

Pond 78P: WQU1



Summary for Pond 79P: Underground Infiltration

Inflow Area = 1.471 ac, 77.79% Impervious, Inflow Depth = 7.97" for 100-yr event
Inflow = 11.33 cfs @ 12.04 hrs, Volume= 0.977 af
Outflow = 2.82 cfs @ 12.41 hrs, Volume= 0.977 af, Atten= 75%, Lag= 22.2 min
Discarded = 0.67 cfs @ 12.41 hrs, Volume= 0.819 af
Primary = 2.15 cfs @ 12.41 hrs, Volume= 0.158 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.14' @ 12.41 hrs Surf.Area= 2,883 sf Storage= 13,024 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 132.4 min (900.9 - 768.6)

Volume	Invert	Avail.Storage	Storage Description
#1	367.37'	5,697 cf	**ADS_StormTech MC-3500 d +Cap**x 51 Inside #2 Effective Size= 70.4"W x 45.0"H => 15.33 sf x 7.17'L = 110.0 cf Overall Size= 77.0"W x 45.0"H x 7.50'L with 0.33' Overlap 3 Rows of 17 Chambers Cap Storage= +14.9 cf x 2 x 3 rows = 89.4 cf
#2	366.62'	10,160 cf	**Stone Bed (Prismatic)**Listed below (Recalc) 15,857 cf Overall - 5,697 cf Embedded = 10,160 cf
		15,857 cf	Total Available Storage

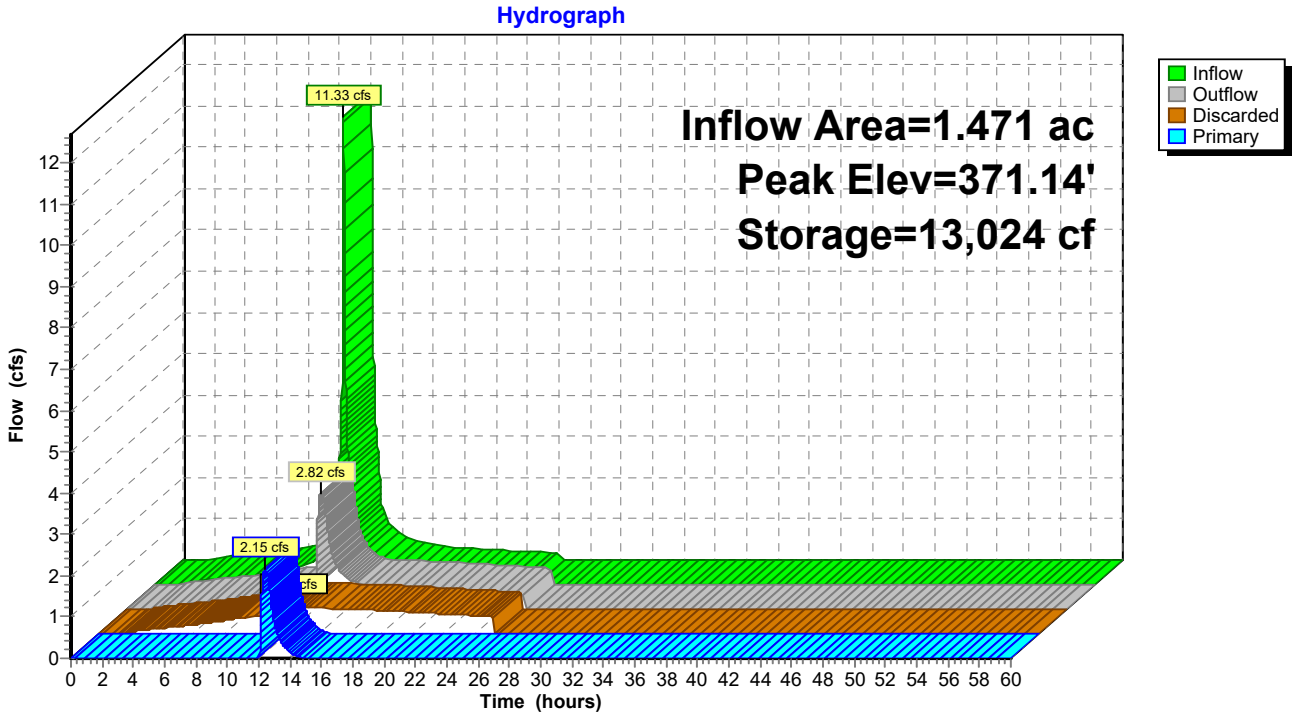
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
366.62	2,883	0	0
372.12	2,883	15,857	15,857

Device	Routing	Invert	Outlet Devices
#1	Discarded	366.62'	**6.000 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 360.00'
#2	Primary	370.12'	**12.0" Round Culvert** L= 103.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.12' / 366.80' S= 0.0322 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.67 cfs @ 12.41 hrs HW=371.14' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.67 cfs)

Primary OutFlow Max=2.15 cfs @ 12.41 hrs HW=371.14' TW=365.43' (Dynamic Tailwater)
↑—**2=Culvert** (Inlet Controls 2.15 cfs @ 2.73 fps)

Pond 79P: Underground Infiltration



Summary for Pond 80P: CB35

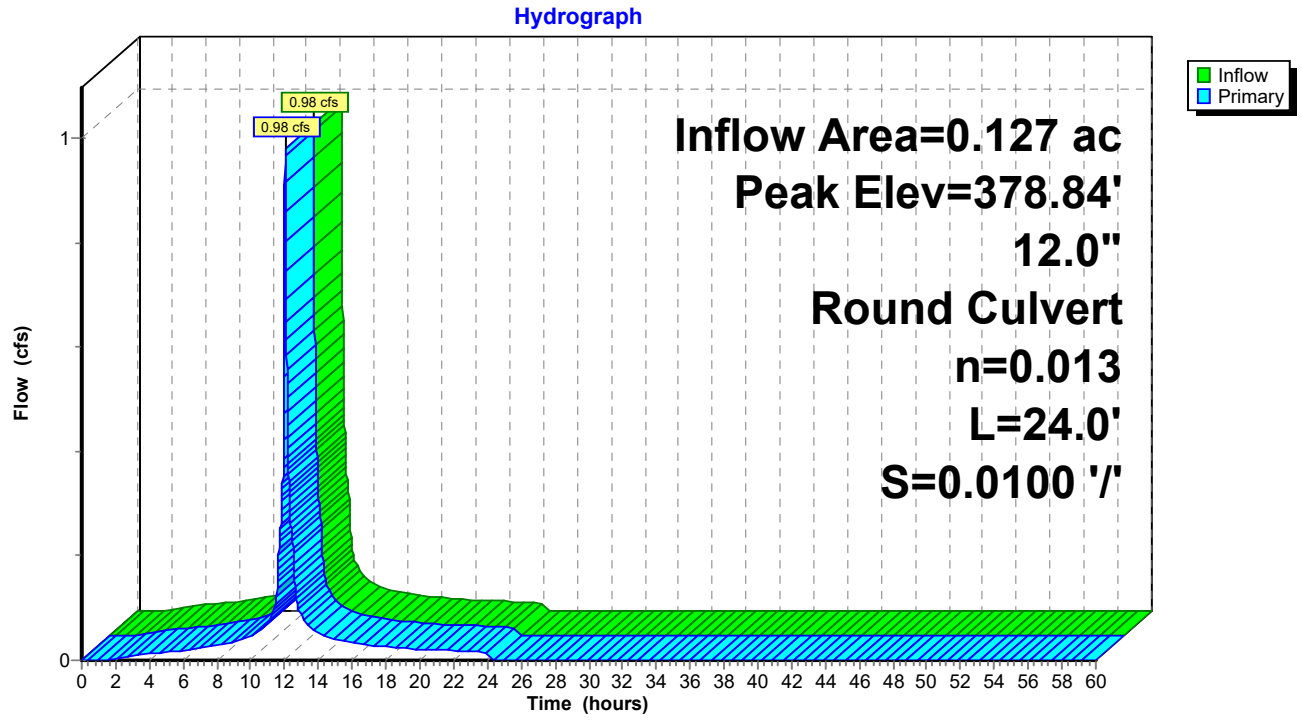
Inflow Area = 0.127 ac, 78.18% Impervious, Inflow Depth = 8.02" for 100-yr event
Inflow = 0.98 cfs @ 12.04 hrs, Volume= 0.085 af
Outflow = 0.98 cfs @ 12.04 hrs, Volume= 0.085 af, Atten= 0%, Lag= 0.0 min
Primary = 0.98 cfs @ 12.04 hrs, Volume= 0.085 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 378.84' @ 12.04 hrs
Flood Elev= 378.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.65'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.65' / 374.41' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.00 cfs @ 12.04 hrs HW=378.68' TW=378.75' (Dynamic Tailwater)
1=Culvert (Controls 0.00 cfs)

Pond 80P: CB35



Summary for Pond 81P: CB32

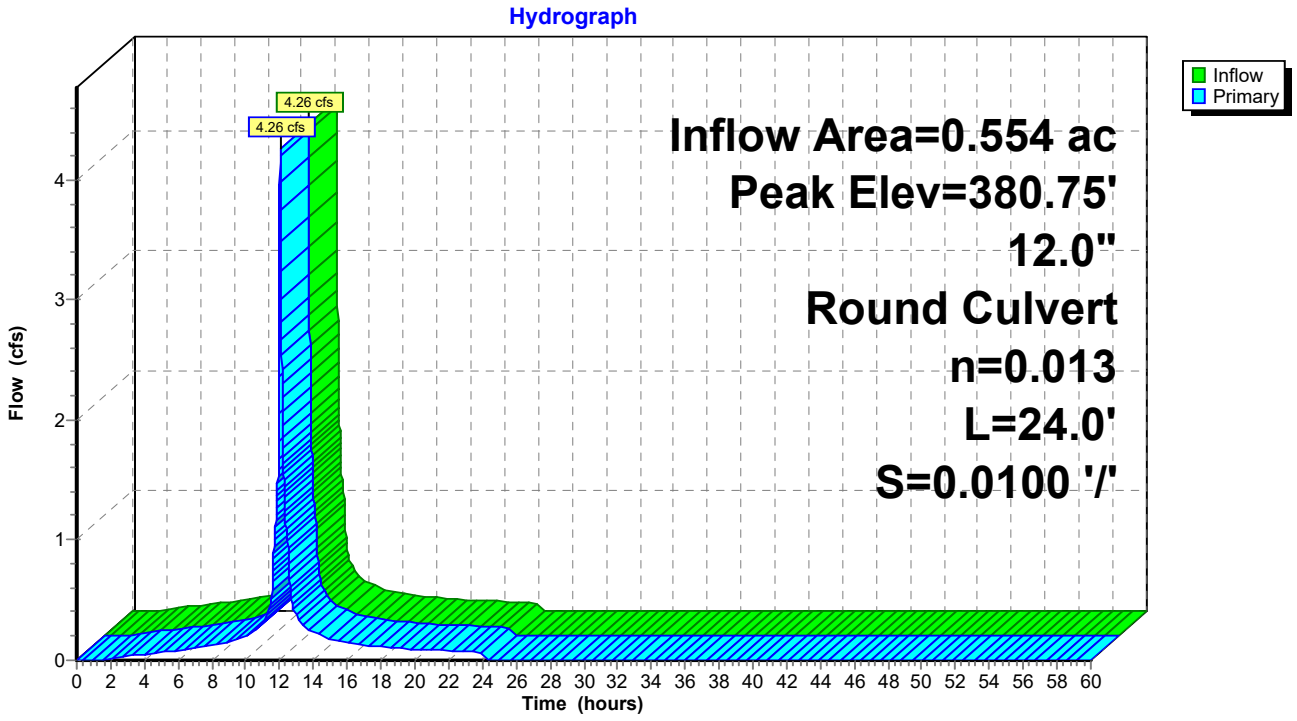
Inflow Area = 0.554 ac, 76.46% Impervious, Inflow Depth = 7.93" for 100-yr event
Inflow = 4.26 cfs @ 12.04 hrs, Volume= 0.366 af
Outflow = 4.26 cfs @ 12.04 hrs, Volume= 0.366 af, Atten= 0%, Lag= 0.0 min
Primary = 4.26 cfs @ 12.04 hrs, Volume= 0.366 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 380.75' @ 12.04 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.41'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.41' / 377.17' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.06 cfs @ 12.04 hrs HW=380.60' TW=378.75' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.06 cfs @ 5.17 fps)

Pond 81P: CB32



Summary for Pond 82P: CB33

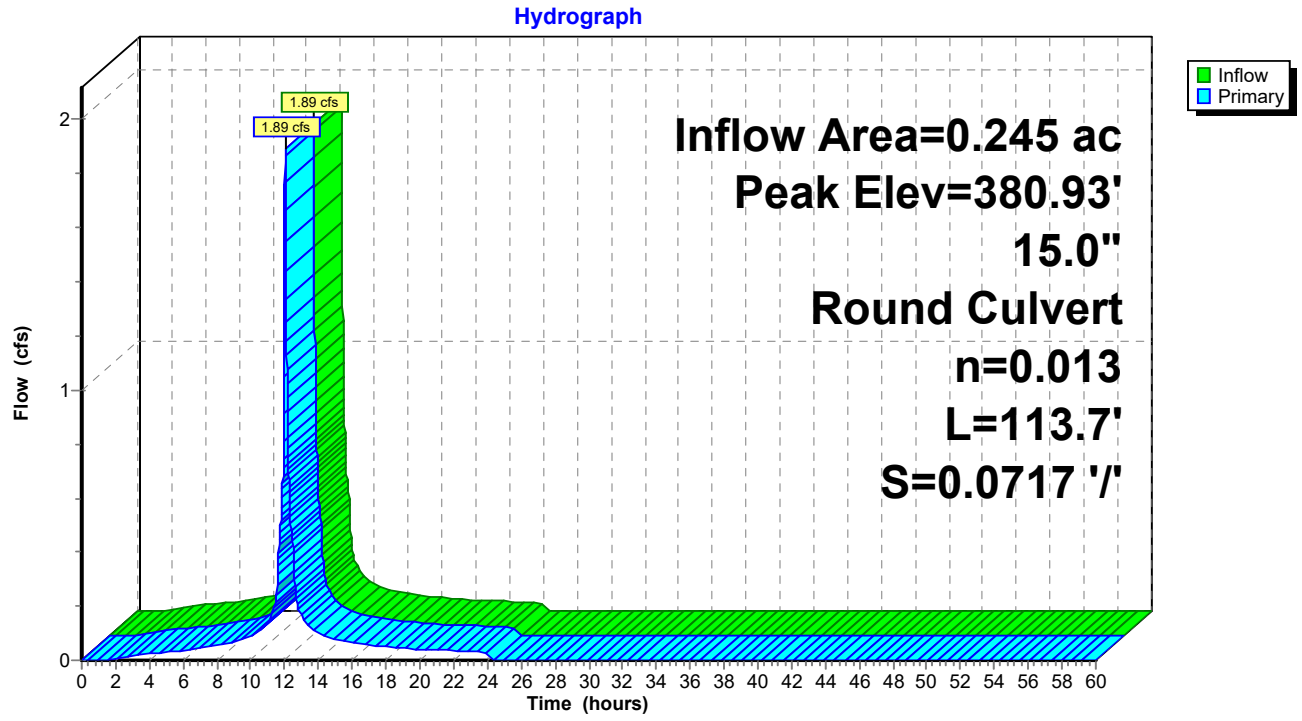
Inflow Area = 0.245 ac, 79.74% Impervious, Inflow Depth = 8.02" for 100-yr event
Inflow = 1.89 cfs @ 12.04 hrs, Volume= 0.164 af
Outflow = 1.89 cfs @ 12.04 hrs, Volume= 0.164 af, Atten= 0%, Lag= 0.0 min
Primary = 1.89 cfs @ 12.04 hrs, Volume= 0.164 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 380.93' @ 12.05 hrs
Flood Elev= 381.24'

Device	Routing	Invert	Outlet Devices
#1	Primary	377.17'	**15.0" Round Culvert** L= 113.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 377.17' / 369.02' S= 0.0717 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.83 cfs @ 12.04 hrs HW=380.62' TW=380.59' (Dynamic Tailwater)
1=Culvert (Outlet Controls 0.83 cfs @ 0.68 fps)

Pond 82P: CB33



Summary for Pond 84P: CB42

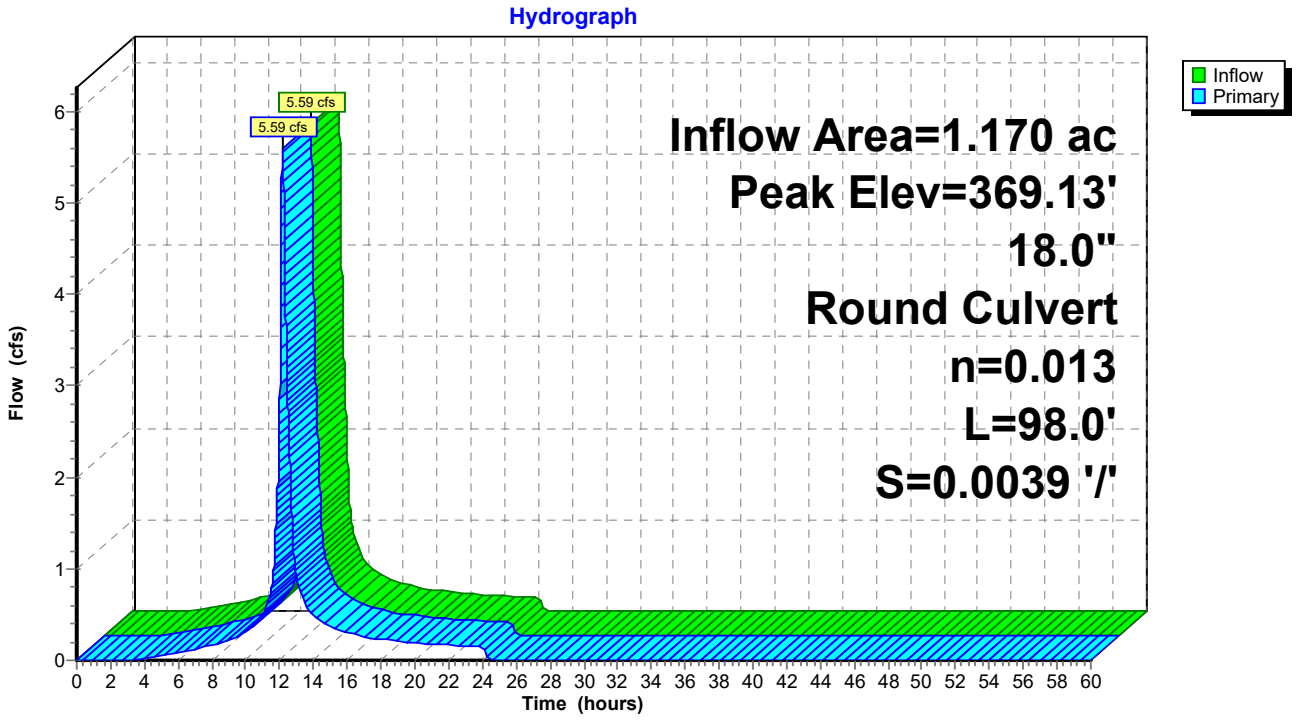
Inflow Area = 1.170 ac, 40.77% Impervious, Inflow Depth = 6.92" for 100-yr event
Inflow = 5.59 cfs @ 12.18 hrs, Volume= 0.675 af
Outflow = 5.59 cfs @ 12.18 hrs, Volume= 0.675 af, Atten= 0%, Lag= 0.0 min
Primary = 5.59 cfs @ 12.18 hrs, Volume= 0.675 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 369.13' @ 12.06 hrs
Flood Elev= 369.60'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.95'	**18.0" Round Culvert** L= 98.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.95' / 366.57' S= 0.0039 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.59 cfs @ 12.18 hrs HW=368.65' TW=367.95' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.59 cfs @ 3.16 fps)

Pond 84P: CB42



Summary for Pond 85P: CB5

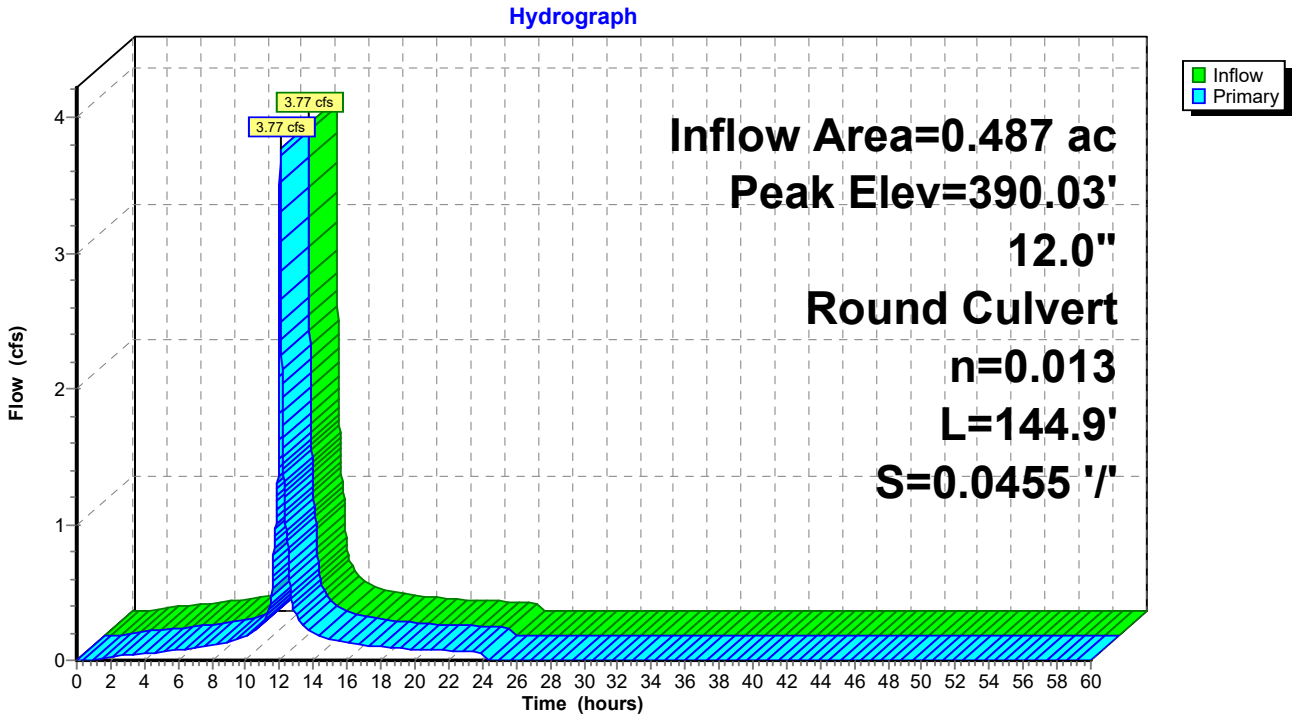
Inflow Area = 0.487 ac, 81.97% Impervious, Inflow Depth = 8.09" for 100-yr event
Inflow = 3.77 cfs @ 12.04 hrs, Volume= 0.328 af
Outflow = 3.77 cfs @ 12.04 hrs, Volume= 0.328 af, Atten= 0%, Lag= 0.0 min
Primary = 3.77 cfs @ 12.04 hrs, Volume= 0.328 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 390.03' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.55'	**12.0" Round Culvert** L= 144.9' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.55' / 380.95' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.69 cfs @ 12.04 hrs HW=389.88' TW=387.66' (Dynamic Tailwater)
1=Culvert (Outlet Controls 3.69 cfs @ 4.70 fps)

Pond 85P: CB5



Summary for Pond 86P: CB4

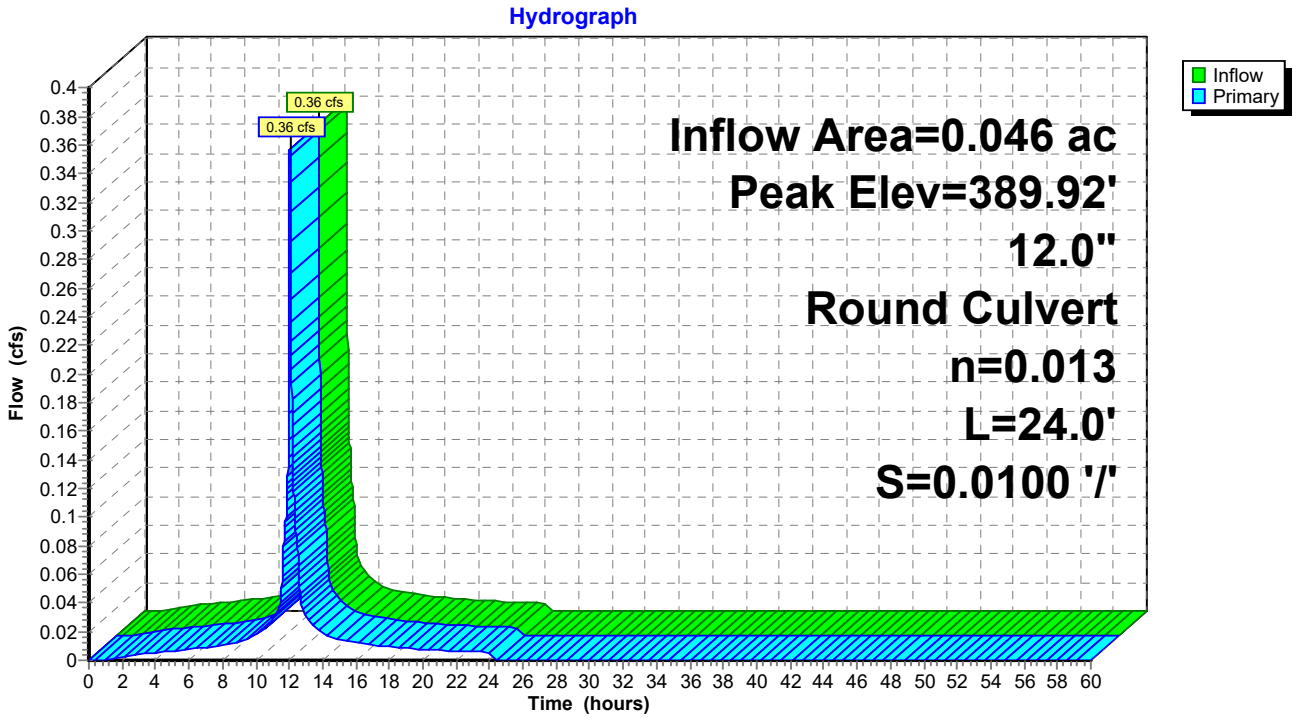
Inflow Area = 0.046 ac, 86.01% Impervious, Inflow Depth = 8.26" for 100-yr event
Inflow = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af
Outflow = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 389.92' @ 12.04 hrs
Flood Elev= 391.61'

Device	Routing	Invert	Outlet Devices
#1	Primary	387.79'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 387.79' / 387.55' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.00 cfs @ 12.04 hrs HW=389.80' TW=389.87' (Dynamic Tailwater)
↳**1=Culvert** (Controls 0.00 cfs)

Pond 86P: CB4



Summary for Pond 87P: CB6

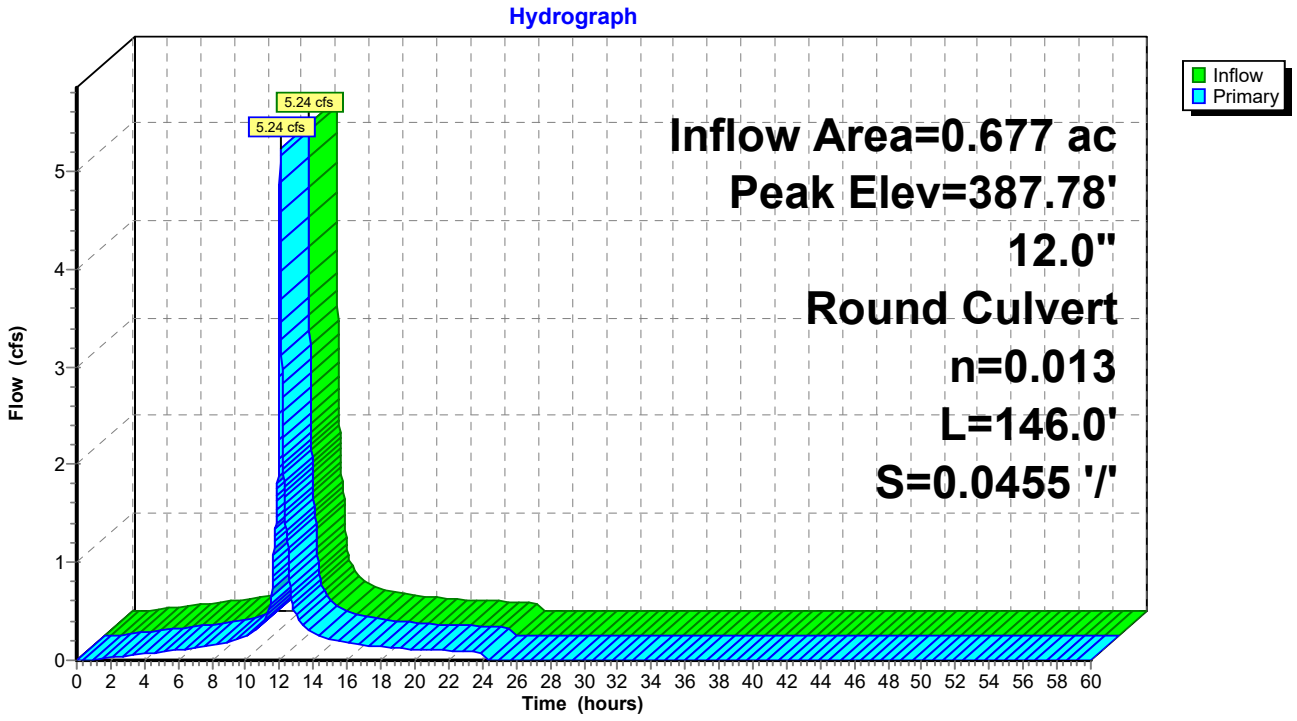
Inflow Area = 0.677 ac, 81.52% Impervious, Inflow Depth = 8.07" for 100-yr event
Inflow = 5.24 cfs @ 12.04 hrs, Volume= 0.455 af
Outflow = 5.24 cfs @ 12.04 hrs, Volume= 0.455 af, Atten= 0%, Lag= 0.0 min
Primary = 5.24 cfs @ 12.04 hrs, Volume= 0.455 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 387.78' @ 12.04 hrs
Flood Elev= 385.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	380.95'	**12.0" Round Culvert** L= 146.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 380.95' / 374.31' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.21 cfs @ 12.04 hrs HW=387.66' TW=383.24' (Dynamic Tailwater)
1=Culvert (Outlet Controls 5.21 cfs @ 6.63 fps)

Pond 87P: CB6



Summary for Pond 88P: CB31

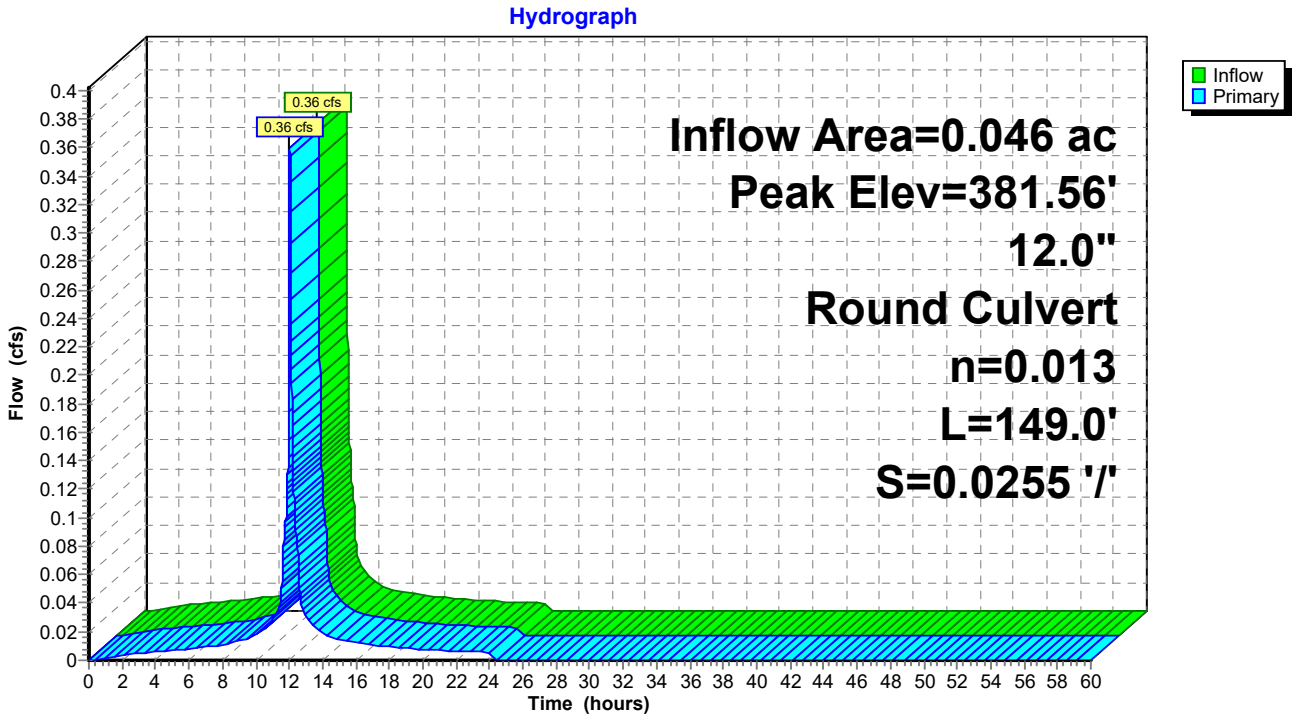
Inflow Area = 0.046 ac, 89.62% Impervious, Inflow Depth = 8.38" for 100-yr event
Inflow = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af
Outflow = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af, Atten= 0%, Lag= 0.0 min
Primary = 0.36 cfs @ 12.04 hrs, Volume= 0.032 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 381.56' @ 12.05 hrs
Flood Elev= 385.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	381.21'	**12.0" Round Culvert** L= 149.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 381.21' / 377.41' S= 0.0255 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.04 hrs HW=381.55' TW=380.59' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.37 cfs @ 1.57 fps)

Pond 88P: CB31



Summary for Pond 89P: CB7

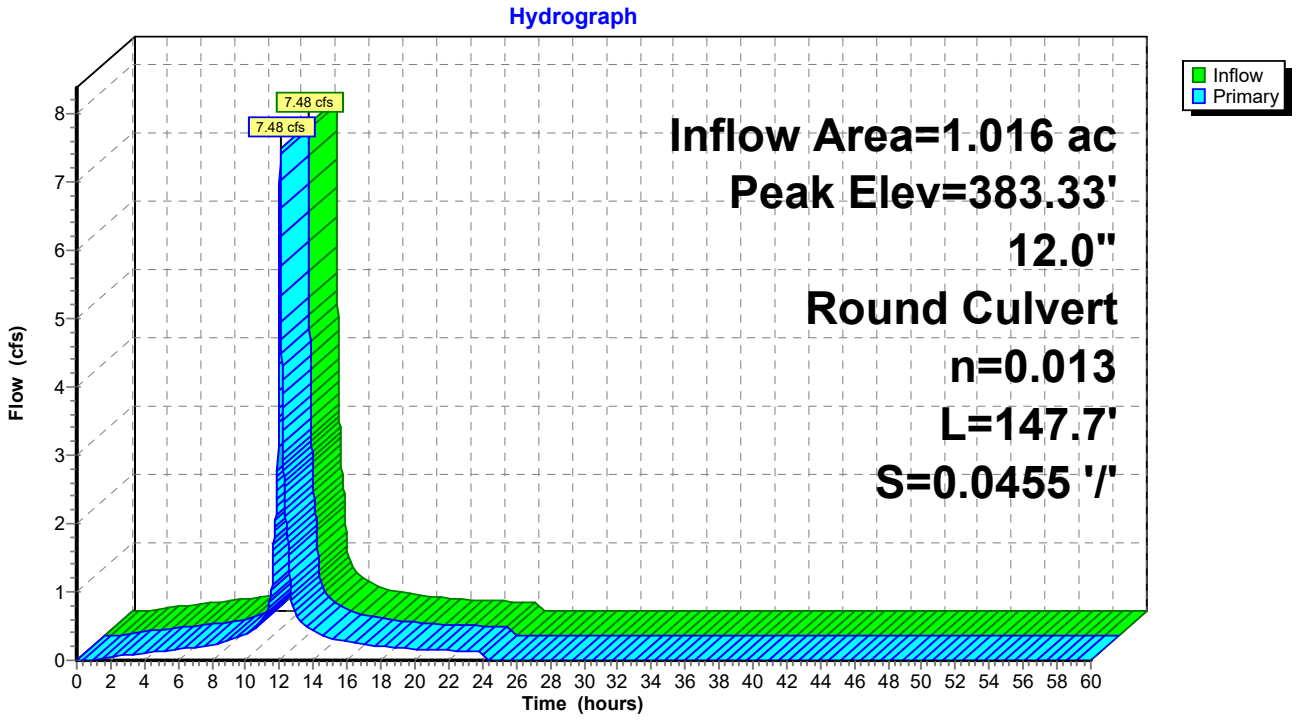
Inflow Area = 1.016 ac, 82.65% Impervious, Inflow Depth = 8.11" for 100-yr event
Inflow = 7.48 cfs @ 12.04 hrs, Volume= 0.687 af
Outflow = 7.48 cfs @ 12.04 hrs, Volume= 0.687 af, Atten= 0%, Lag= 0.0 min
Primary = 7.48 cfs @ 12.04 hrs, Volume= 0.687 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 383.33' @ 12.04 hrs
Flood Elev= 378.39'

Device	Routing	Invert	Outlet Devices
#1	Primary	374.06'	**12.0" Round Culvert** L= 147.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 374.06' / 367.34' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=7.45 cfs @ 12.04 hrs HW=383.24' TW=374.11' (Dynamic Tailwater)
1=Culvert (Outlet Controls 7.45 cfs @ 9.48 fps)

Pond 89P: CB7



Summary for Pond 90P: CB48

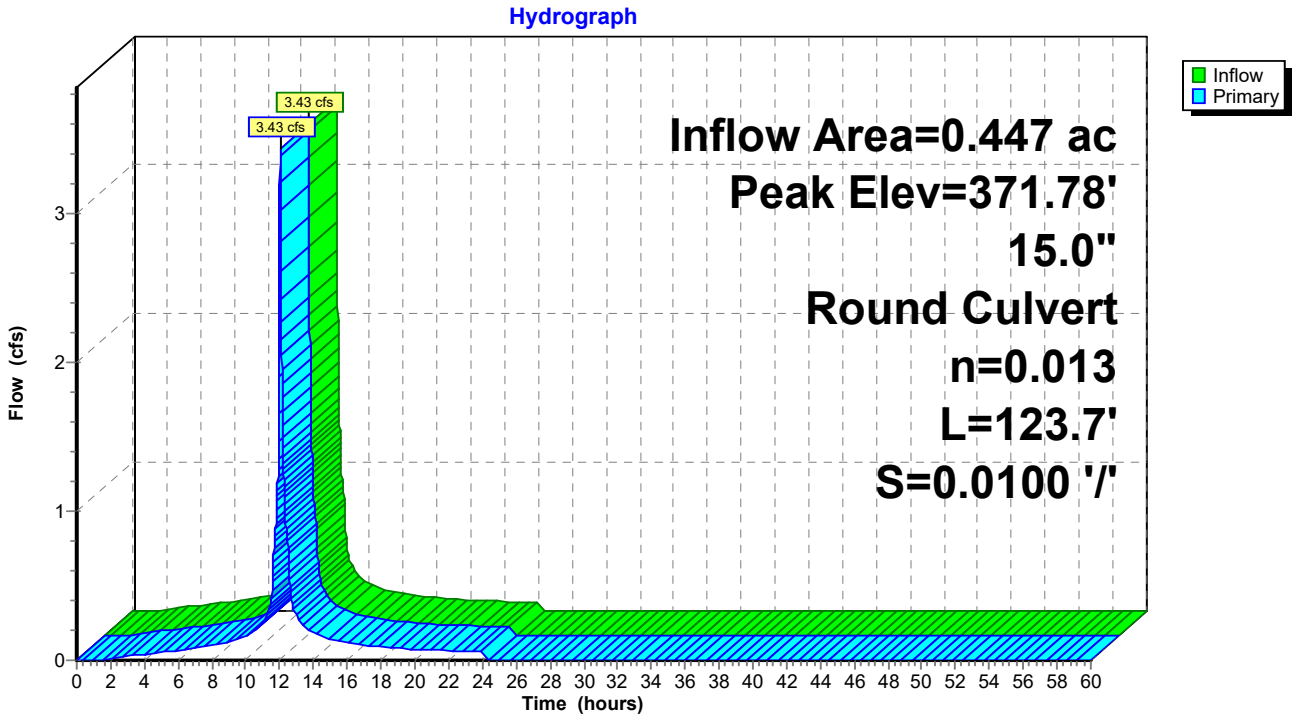
Inflow Area = 0.447 ac, 77.02% Impervious, Inflow Depth = 7.92" for 100-yr event
Inflow = 3.43 cfs @ 12.04 hrs, Volume= 0.295 af
Outflow = 3.43 cfs @ 12.04 hrs, Volume= 0.295 af, Atten= 0%, Lag= 0.0 min
Primary = 3.43 cfs @ 12.04 hrs, Volume= 0.295 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.78' @ 12.05 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.37'	**15.0" Round Culvert** L= 123.7' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.37' / 369.13' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.22 cfs @ 12.04 hrs HW=371.71' TW=371.11' (Dynamic Tailwater)
1=Culvert (Outlet Controls 3.22 cfs @ 3.06 fps)

Pond 90P: CB48



Summary for Pond 92P: CB8

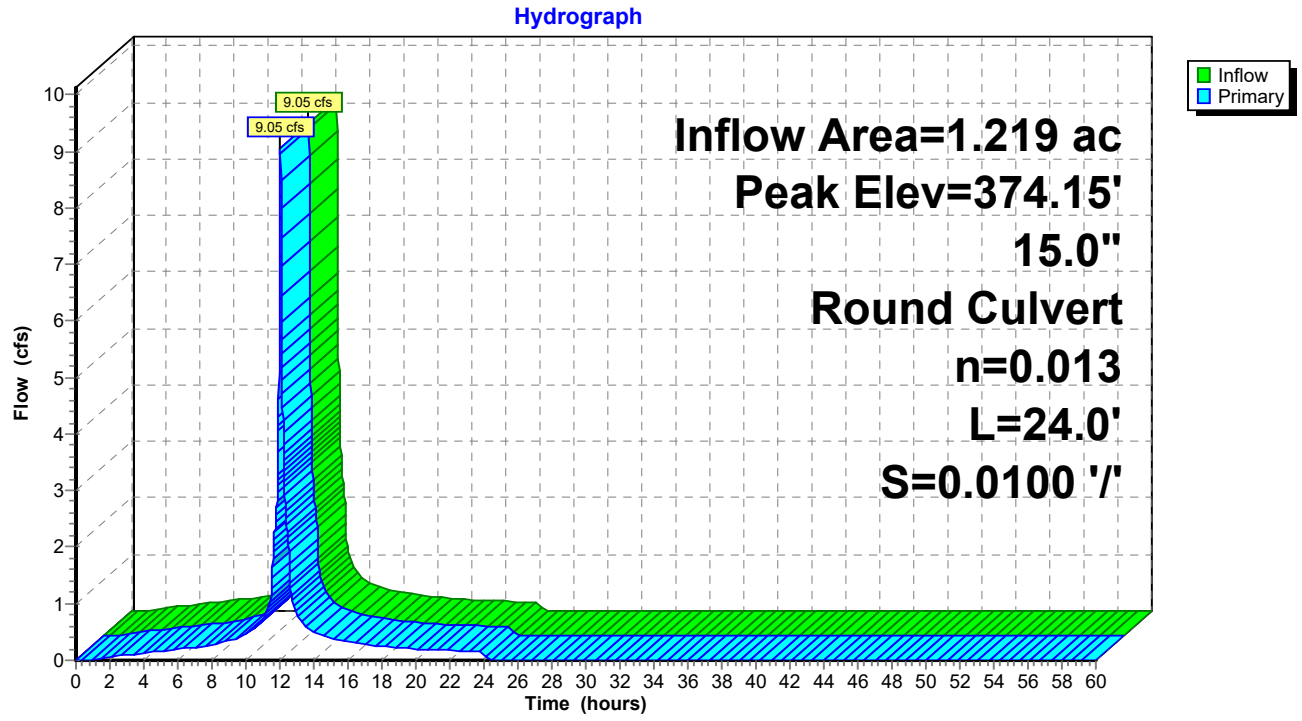
Inflow Area = 1.219 ac, 82.19% Impervious, Inflow Depth = 8.10" for 100-yr event
Inflow = 9.05 cfs @ 12.04 hrs, Volume= 0.823 af
Outflow = 9.05 cfs @ 12.04 hrs, Volume= 0.823 af, Atten= 0%, Lag= 0.0 min
Primary = 9.05 cfs @ 12.04 hrs, Volume= 0.823 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 374.15' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.34'	**15.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.34' / 367.10' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=9.03 cfs @ 12.04 hrs HW=374.11' TW=370.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.03 cfs @ 7.36 fps)

Pond 92P: CB8



Summary for Pond 93P: CB9

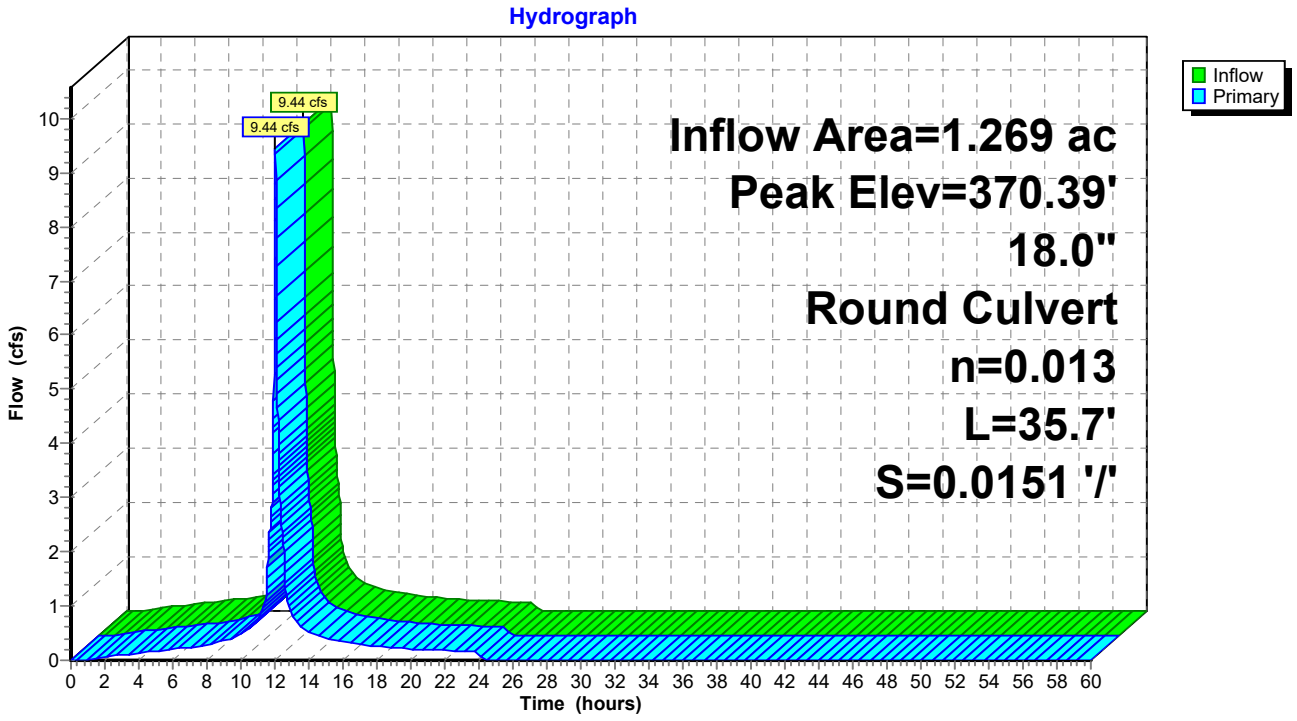
Inflow Area = 1.269 ac, 82.49% Impervious, Inflow Depth = 8.11" for 100-yr event
Inflow = 9.44 cfs @ 12.04 hrs, Volume= 0.858 af
Outflow = 9.44 cfs @ 12.04 hrs, Volume= 0.858 af, Atten= 0%, Lag= 0.0 min
Primary = 9.44 cfs @ 12.04 hrs, Volume= 0.858 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.39' @ 12.04 hrs
Flood Elev= 371.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.97'	**18.0" Round Culvert** L= 35.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 366.97' / 366.43' S= 0.0151 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=9.42 cfs @ 12.04 hrs HW=370.37' TW=369.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.42 cfs @ 5.33 fps)

Pond 93P: CB9



Summary for Pond 95P: CB49

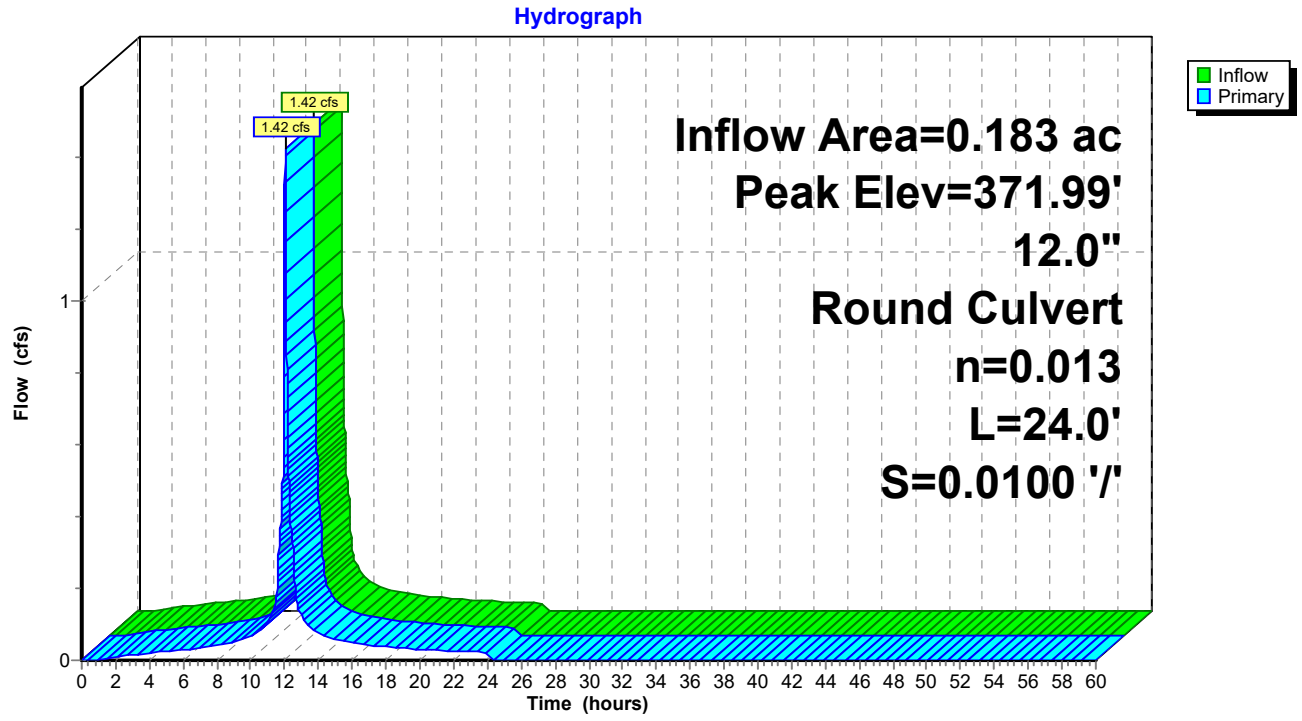
Inflow Area = 0.183 ac, 85.26% Impervious, Inflow Depth = 8.14" for 100-yr event
Inflow = 1.42 cfs @ 12.04 hrs, Volume= 0.124 af
Outflow = 1.42 cfs @ 12.04 hrs, Volume= 0.124 af, Atten= 0%, Lag= 0.0 min
Primary = 1.42 cfs @ 12.04 hrs, Volume= 0.124 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.99' @ 12.05 hrs
Flood Elev= 374.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	370.94'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 370.94' / 370.70' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.32 cfs @ 12.04 hrs HW=371.91' TW=371.70' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.32 cfs @ 1.70 fps)

Pond 95P: CB49



Summary for Pond 96P: CB50

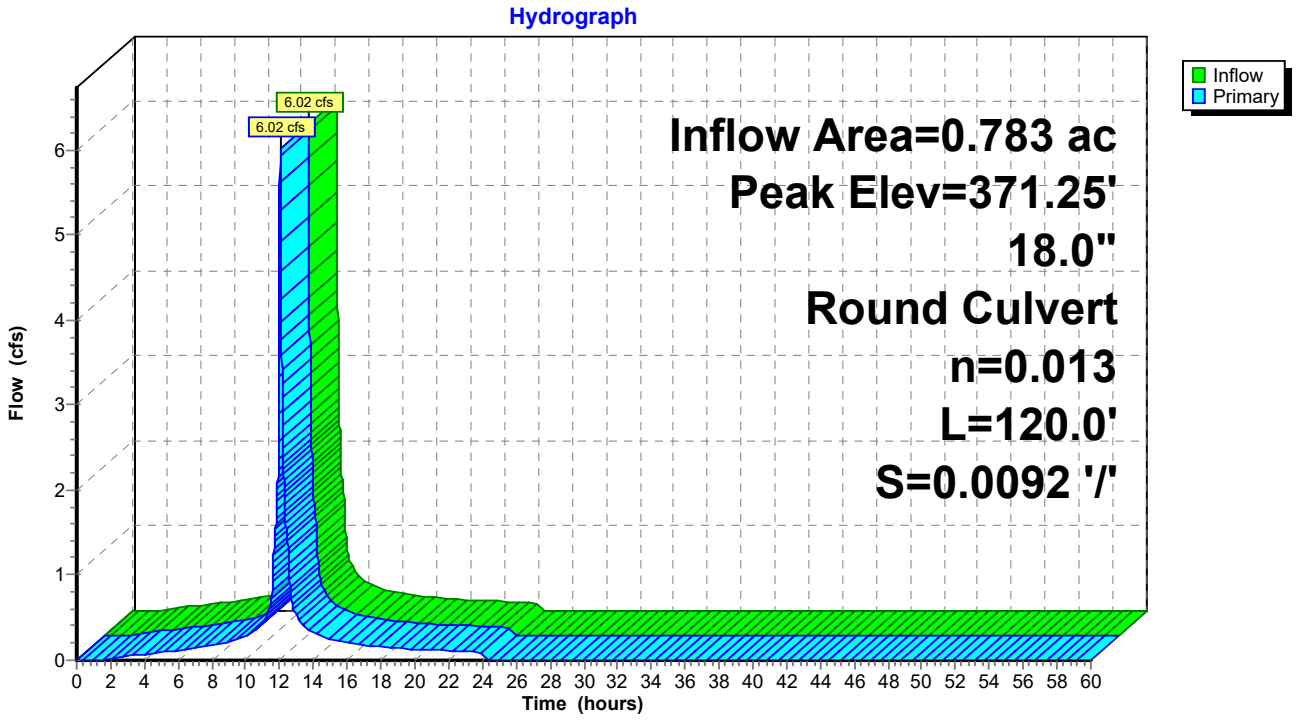
Inflow Area = 0.783 ac, 76.95% Impervious, Inflow Depth = 7.94" for 100-yr event
Inflow = 6.02 cfs @ 12.04 hrs, Volume= 0.518 af
Outflow = 6.02 cfs @ 12.04 hrs, Volume= 0.518 af, Atten= 0%, Lag= 0.0 min
Primary = 6.02 cfs @ 12.04 hrs, Volume= 0.518 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.25' @ 12.05 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	368.84'	**18.0" Round Culvert** L= 120.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 368.84' / 367.74' S= 0.0092 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.82 cfs @ 12.04 hrs HW=371.11' TW=370.36' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.82 cfs @ 3.29 fps)

Pond 96P: CB50



Summary for Pond 97P: CB51

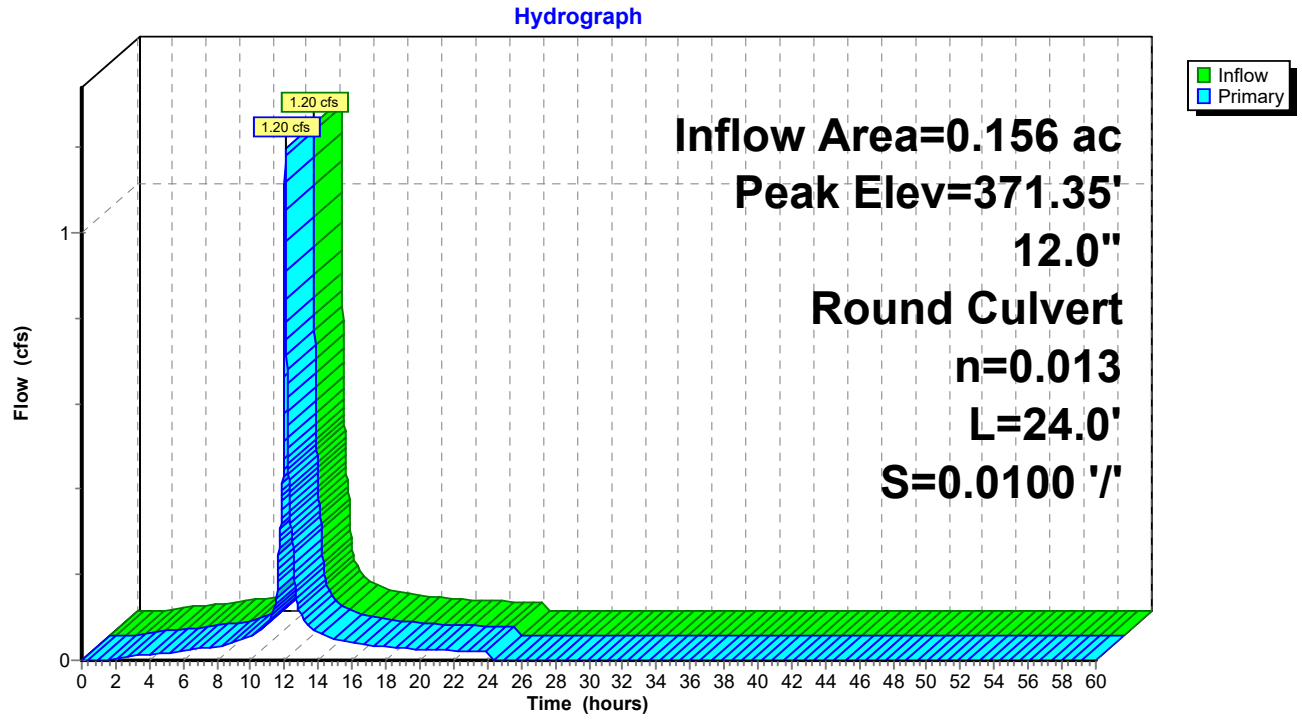
Inflow Area = 0.156 ac, 76.35% Impervious, Inflow Depth = 7.90" for 100-yr event
Inflow = 1.20 cfs @ 12.04 hrs, Volume= 0.103 af
Outflow = 1.20 cfs @ 12.04 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.20 cfs @ 12.04 hrs, Volume= 0.103 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 371.35' @ 12.05 hrs
Flood Elev= 373.11'

Device	Routing	Invert	Outlet Devices
#1	Primary	369.18'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 369.18' / 368.94' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.85 cfs @ 12.04 hrs HW=371.19' TW=371.11' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.85 cfs @ 1.08 fps)

Pond 97P: CB51



Summary for Pond 98P: CB52

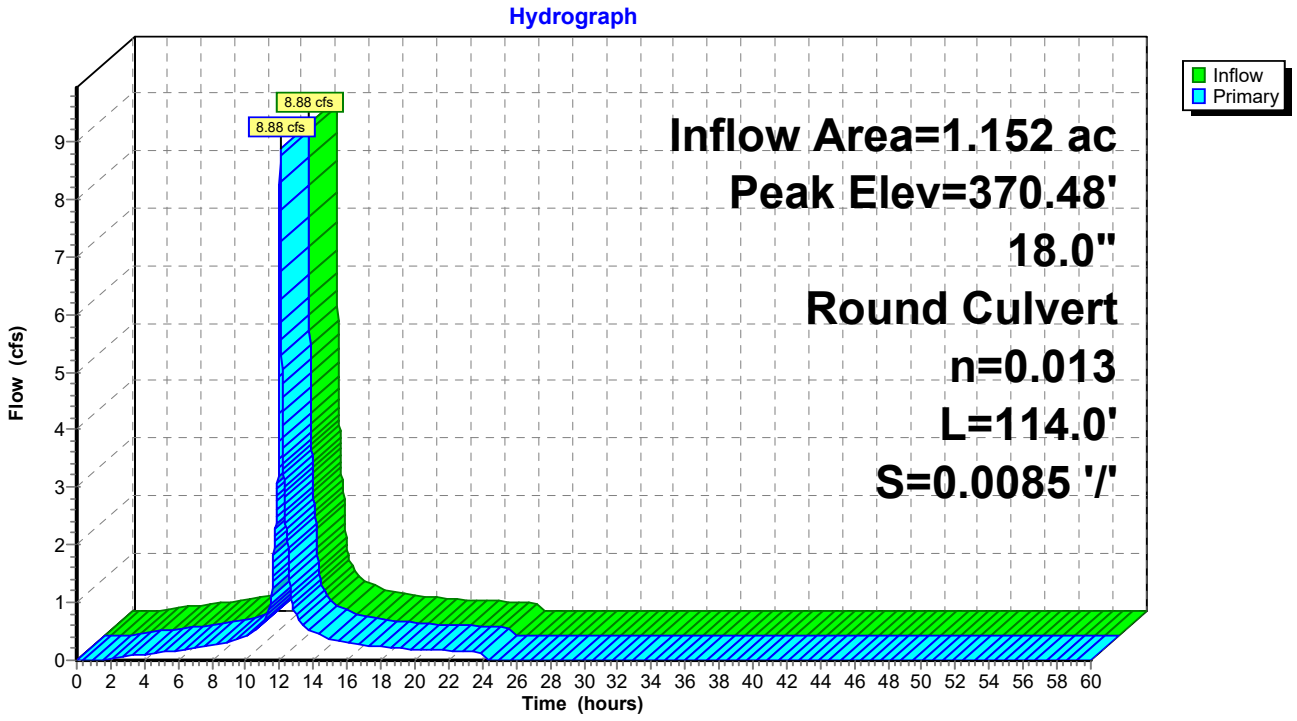
Inflow Area = 1.152 ac, 78.34% Impervious, Inflow Depth = 7.98" for 100-yr event
Inflow = 8.88 cfs @ 12.04 hrs, Volume= 0.766 af
Outflow = 8.88 cfs @ 12.04 hrs, Volume= 0.766 af, Atten= 0%, Lag= 0.0 min
Primary = 8.88 cfs @ 12.04 hrs, Volume= 0.766 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.48' @ 12.05 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.54'	**18.0" Round Culvert** L= 114.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.54' / 366.57' S= 0.0085 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=8.71 cfs @ 12.04 hrs HW=370.36' TW=368.68' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.71 cfs @ 4.93 fps)

Pond 98P: CB52



Summary for Pond 99P: CB53

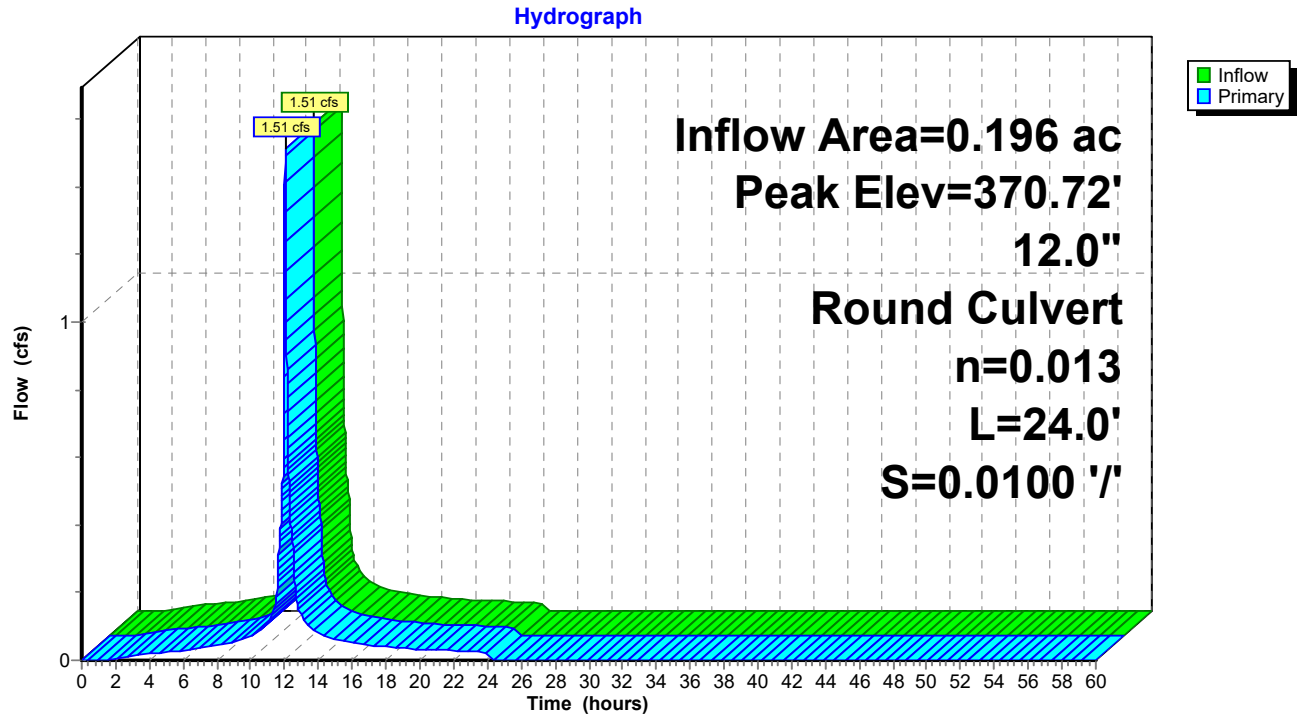
Inflow Area = 0.196 ac, 78.50% Impervious, Inflow Depth = 8.02" for 100-yr event
Inflow = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af
Outflow = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af, Atten= 0%, Lag= 0.0 min
Primary = 1.51 cfs @ 12.04 hrs, Volume= 0.131 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 370.72' @ 12.05 hrs
Flood Elev= 371.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	367.95'	**12.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 367.95' / 367.71' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.36 cfs @ 12.04 hrs HW=370.56' TW=370.36' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.36 cfs @ 1.73 fps)

Pond 99P: CB53



Summary for Pond 100P: CB54

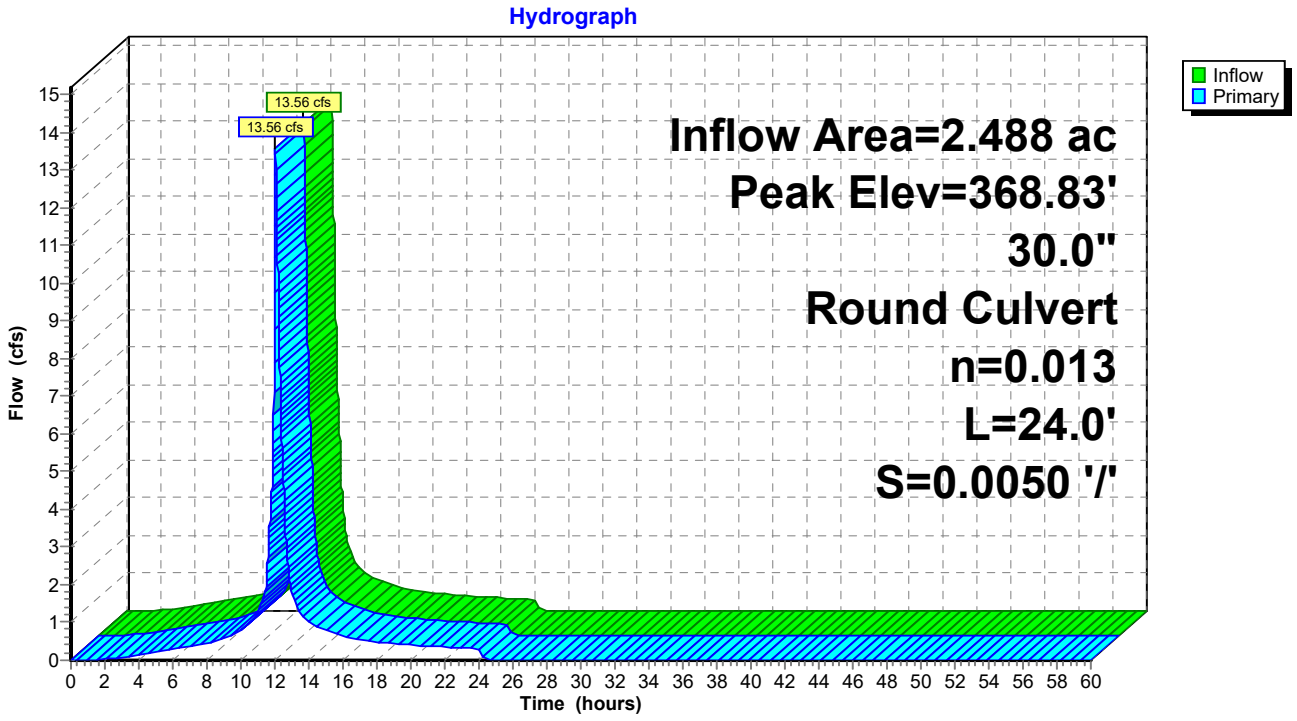
Inflow Area = 2.488 ac, 59.99% Impervious, Inflow Depth = 7.46" for 100-yr event
Inflow = 13.56 cfs @ 12.05 hrs, Volume= 1.547 af
Outflow = 13.56 cfs @ 12.05 hrs, Volume= 1.547 af, Atten= 0%, Lag= 0.0 min
Primary = 13.56 cfs @ 12.05 hrs, Volume= 1.547 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.83' @ 12.06 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	366.07'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 366.07' / 365.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=12.98 cfs @ 12.05 hrs HW=368.77' TW=368.29' (Dynamic Tailwater)
↳**1=Culvert** (Inlet Controls 12.98 cfs @ 2.64 fps)

Pond 100P: CB54



Summary for Pond 101P: CB55

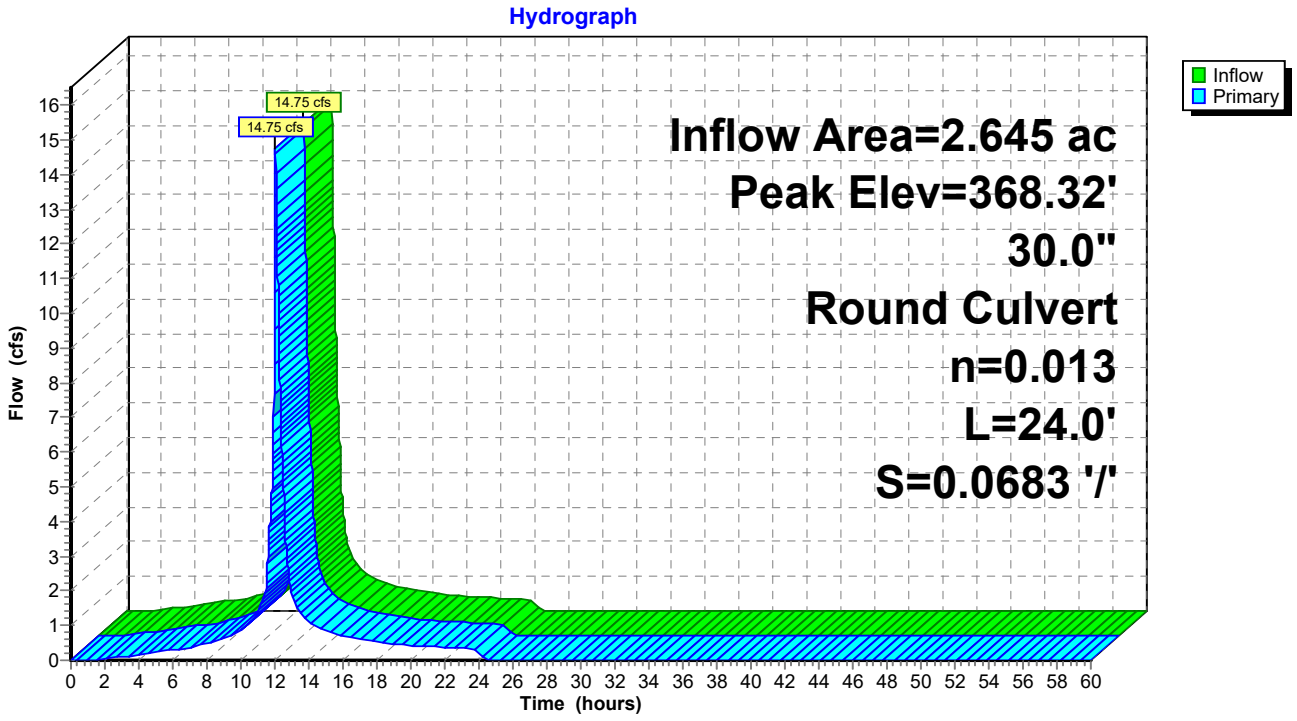
Inflow Area = 2.645 ac, 60.98% Impervious, Inflow Depth = 7.49" for 100-yr event
Inflow = 14.75 cfs @ 12.04 hrs, Volume= 1.650 af
Outflow = 14.75 cfs @ 12.04 hrs, Volume= 1.650 af, Atten= 0%, Lag= 0.0 min
Primary = 14.75 cfs @ 12.04 hrs, Volume= 1.650 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.32' @ 12.06 hrs
Flood Elev= 370.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	365.95'	**30.0" Round Culvert** L= 24.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 365.95' / 364.31' S= 0.0683 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=14.63 cfs @ 12.04 hrs HW=368.28' TW=367.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 14.63 cfs @ 3.07 fps)

Pond 101P: CB55



Summary for Pond 102P: CB43

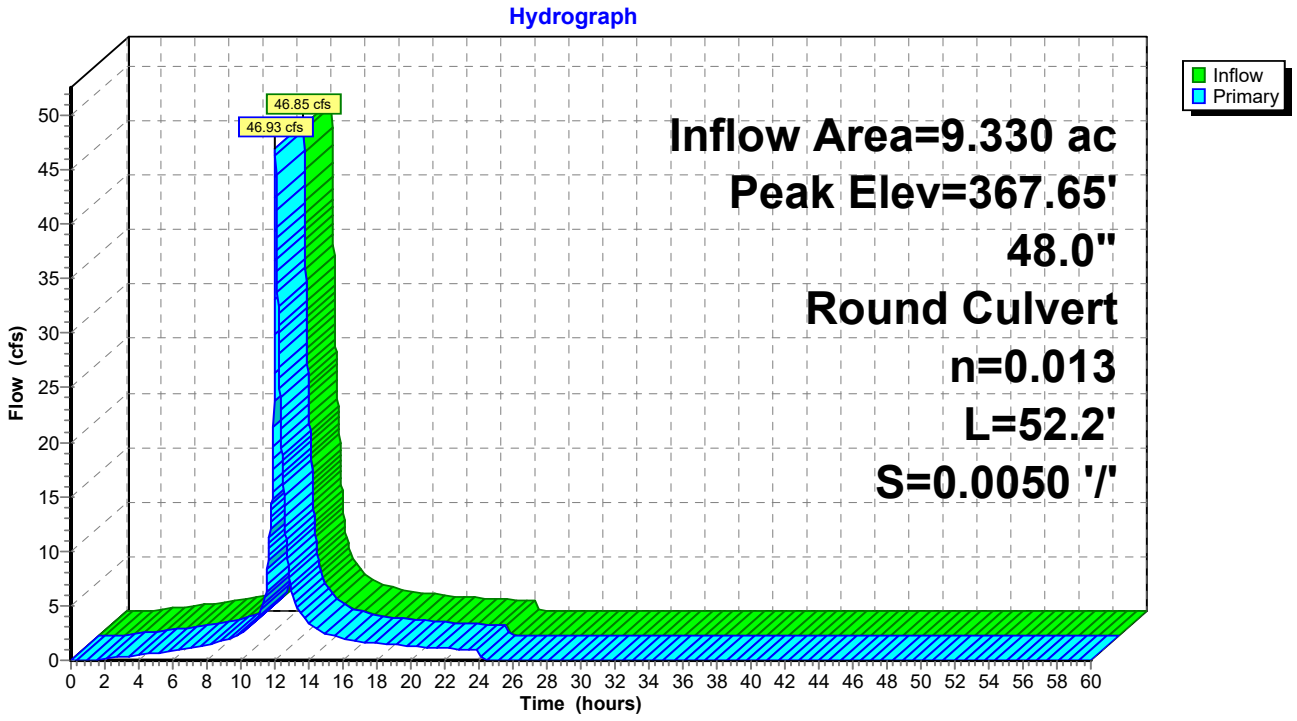
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 6.46" for 100-yr event
Inflow = 46.85 cfs @ 12.04 hrs, Volume= 5.019 af
Outflow = 46.93 cfs @ 12.05 hrs, Volume= 5.019 af, Atten= 0%, Lag= 0.1 min
Primary = 46.93 cfs @ 12.05 hrs, Volume= 5.019 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.65' @ 12.05 hrs
Flood Elev= 369.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.31'	**48.0" Round Culvert** L= 52.2' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.31' / 362.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=45.90 cfs @ 12.05 hrs HW=367.64' TW=367.06' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.90 cfs @ 3.65 fps)

Pond 102P: CB43



Summary for Pond 103P: CB44

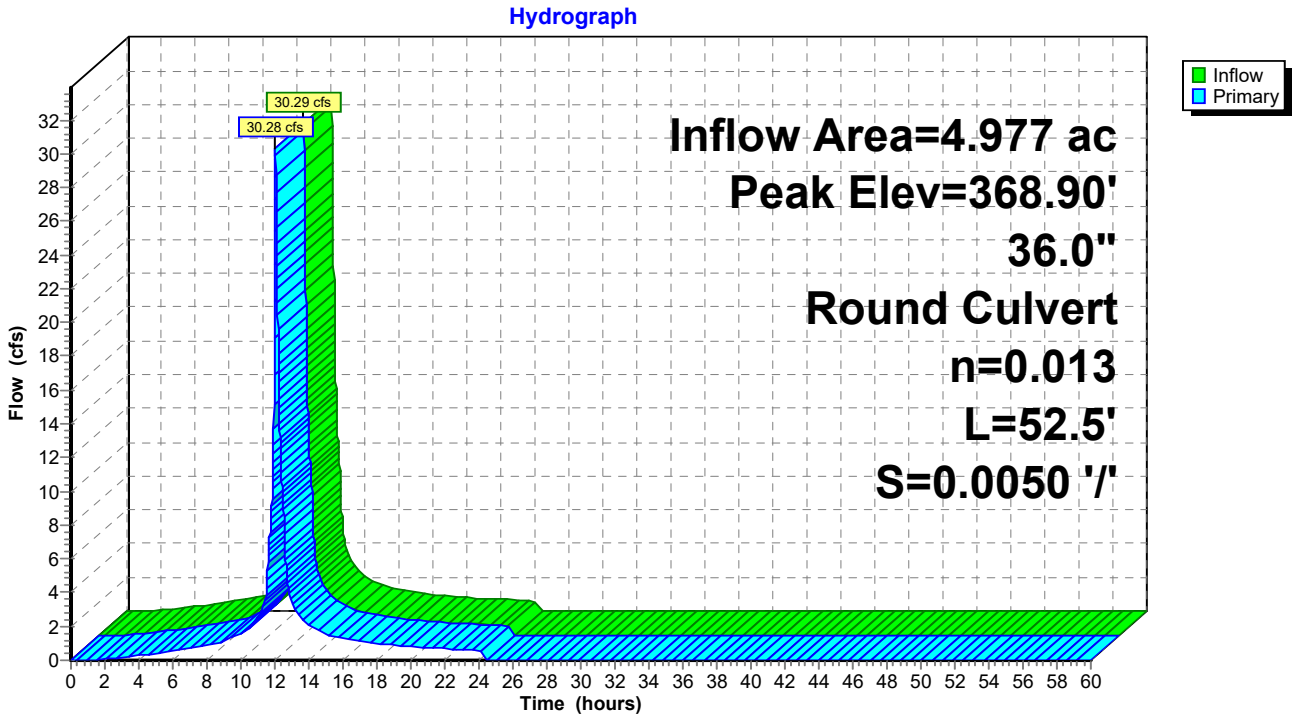
Inflow Area = 4.977 ac, 59.28% Impervious, Inflow Depth = 7.36" for 100-yr event
Inflow = 30.29 cfs @ 12.04 hrs, Volume= 3.052 af
Outflow = 30.28 cfs @ 12.04 hrs, Volume= 3.052 af, Atten= 0%, Lag= 0.0 min
Primary = 30.28 cfs @ 12.04 hrs, Volume= 3.052 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 368.90' @ 12.06 hrs
Flood Elev= 369.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	363.28'	**36.0" Round Culvert** L= 52.5' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 363.28' / 363.02' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=30.12 cfs @ 12.04 hrs HW=368.89' TW=367.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 30.12 cfs @ 4.26 fps)

Pond 103P: CB44



Summary for Pond 105P: DMH56

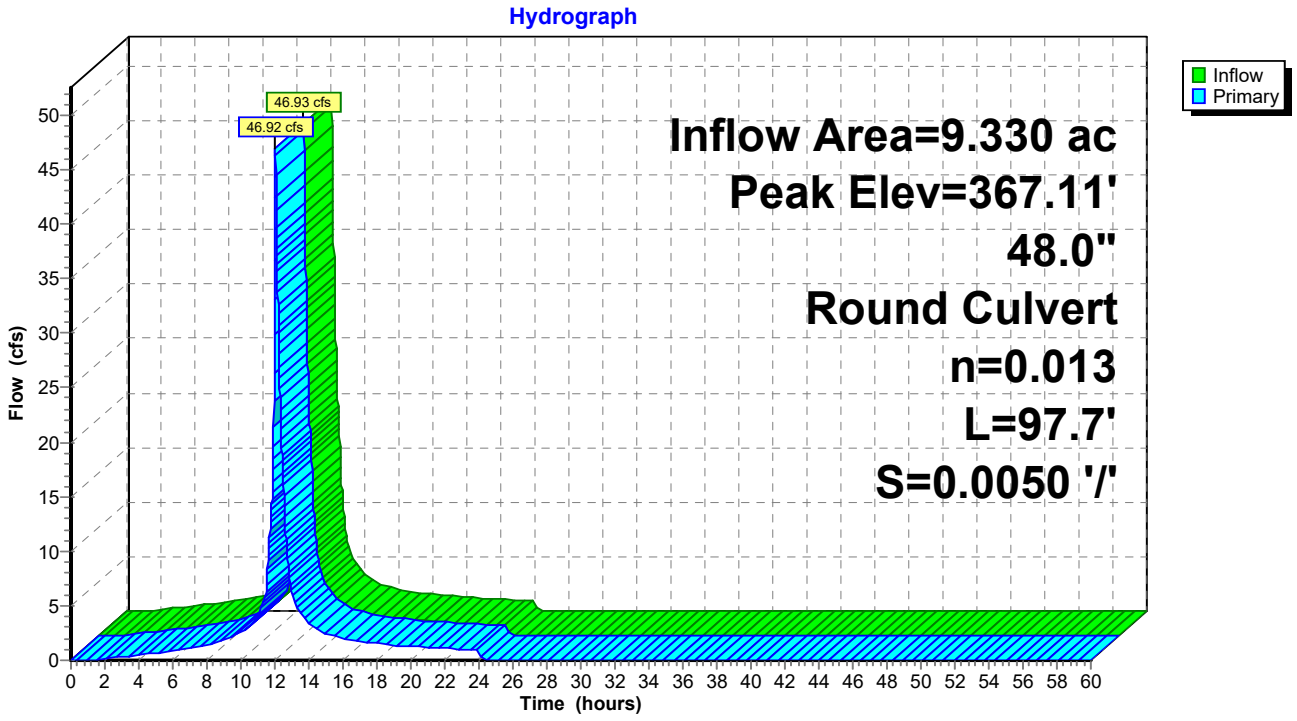
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 6.46" for 100-yr event
Inflow = 46.93 cfs @ 12.05 hrs, Volume= 5.019 af
Outflow = 46.92 cfs @ 12.05 hrs, Volume= 5.019 af, Atten= 0%, Lag= 0.0 min
Primary = 46.92 cfs @ 12.05 hrs, Volume= 5.019 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 367.11' @ 12.05 hrs
Flood Elev= 370.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	362.24'	**48.0" Round Culvert** L= 97.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 362.24' / 361.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=45.17 cfs @ 12.05 hrs HW=367.06' TW=366.50' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.17 cfs @ 3.59 fps)

Pond 105P: DMH56



Summary for Pond 106P: DMH57

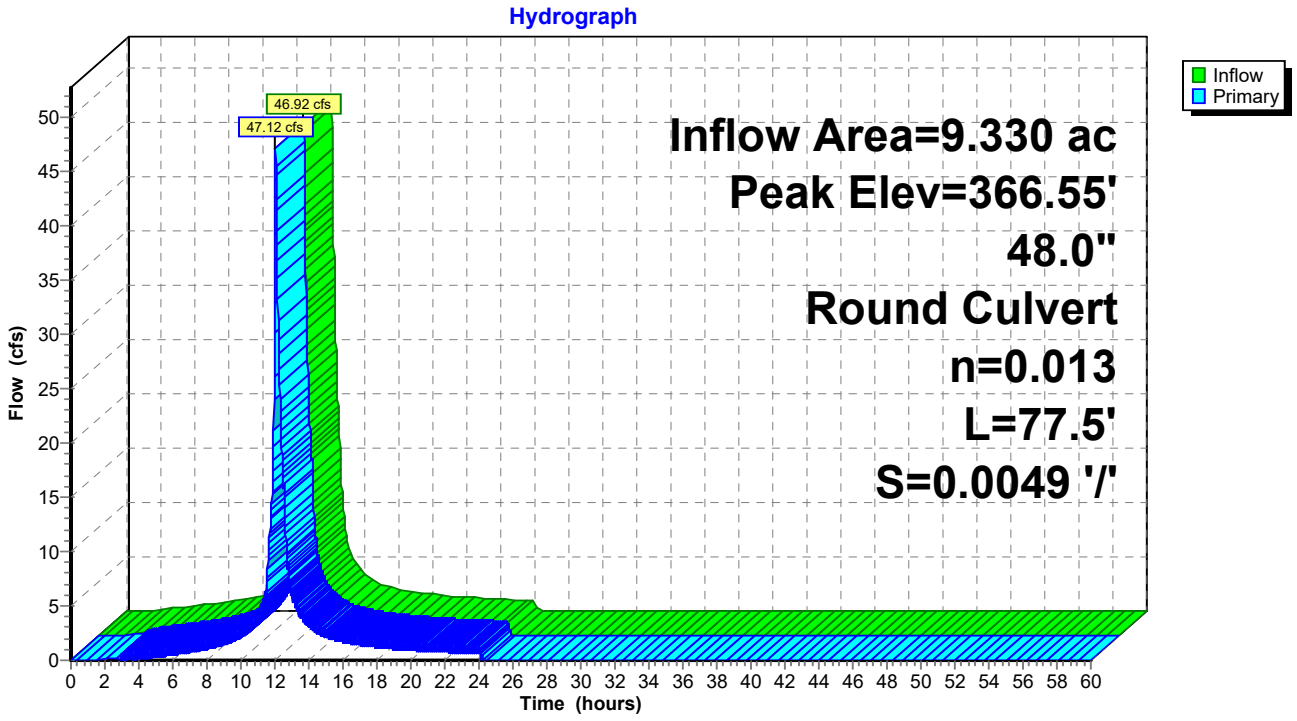
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 6.46" for 100-yr event
Inflow = 46.92 cfs @ 12.05 hrs, Volume= 5.019 af
Outflow = 47.12 cfs @ 12.05 hrs, Volume= 5.019 af, Atten= 0%, Lag= 0.1 min
Primary = 47.12 cfs @ 12.05 hrs, Volume= 5.019 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 366.55' @ 12.05 hrs
Flood Elev= 370.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.55'	**48.0" Round Culvert** L= 77.5' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.55' / 361.17' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=46.92 cfs @ 12.05 hrs HW=366.52' TW=365.92' (Dynamic Tailwater)
1=Culvert (Inlet Controls 46.92 cfs @ 3.73 fps)

Pond 106P: DMH57



Summary for Pond 107P: WQU58

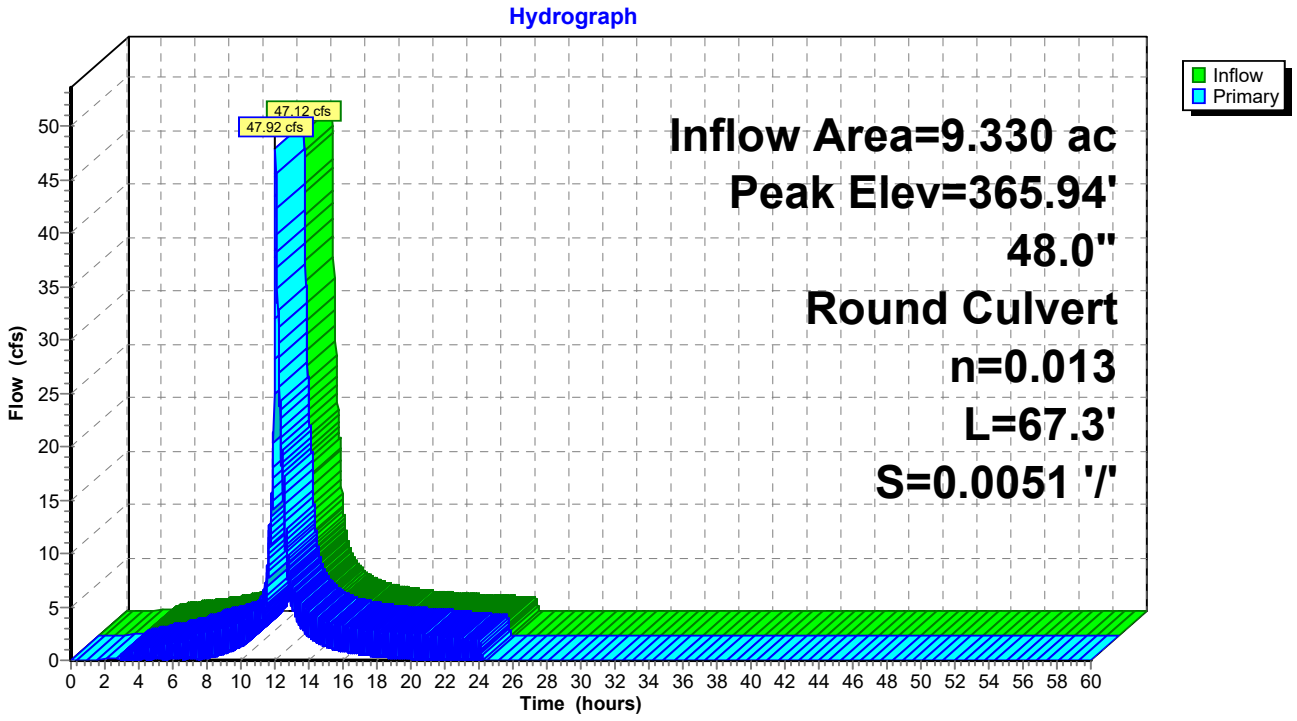
Inflow Area = 9.330 ac, 63.20% Impervious, Inflow Depth = 6.46" for 100-yr event
Inflow = 47.12 cfs @ 12.05 hrs, Volume= 5.019 af
Outflow = 47.92 cfs @ 12.05 hrs, Volume= 5.019 af, Atten= 0%, Lag= 0.1 min
Primary = 47.92 cfs @ 12.05 hrs, Volume= 5.019 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 365.94' @ 12.05 hrs
Flood Elev= 369.41'

Device	Routing	Invert	Outlet Devices
#1	Primary	361.17'	**48.0" Round Culvert** L= 67.3' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 361.17' / 360.83' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=47.70 cfs @ 12.05 hrs HW=365.93' TW=365.31' (Dynamic Tailwater)
1=Culvert (Inlet Controls 47.70 cfs @ 3.80 fps)

Pond 107P: WQU58



Summary for Link 9L: DP1

Inflow Area = 17.314 ac, 47.22% Impervious, Inflow Depth = 6.48" for 100-yr event
Inflow = 85.98 cfs @ 12.07 hrs, Volume= 9.350 af
Primary = 85.98 cfs @ 12.07 hrs, Volume= 9.350 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs

Link 9L: DP1