STORMWATER REVISIONS

WOODLAND COVE
3104 CRANBERRY HIGHWAY
WAREHAM, MA 02571

MARCH 2024

BSC Job Number: 83669.00

Prepared by:

BSC GROUP

803 Summer Street
Boston, MA 02127

DRAINAGE SUMMARY

In order to comply with grading requirements around the buildings at the Woodland Cove residential development, it is necessary to revise some of the previously approved stormwater management design. The project, as originally constructed does not have a minimum slope of 5% away from the building for a minimum of 10-feet from the building face in all locations. While many areas can be slightly regraded and still allow stormwater runoff to continue to flow in the originally designed and approved patterns, some areas would result in the creation of low spots. To rectify this issue, the project will utilize the extremely high permeability of the on-site sands and install drywells that will collect runoff from around the buildings and infiltrate it directly into the ground. In these areas where low spots would be created, the landscaped areas adjacent to the buildings will be graded a minimum 5% away from the building for a minimum distance of 10-feet. This grading will either end directly at a dry well or will have a lateral swale with a minimum slope of 2% constructed to the drywell. In this manner, all stormwater runoff will either continue to flow in the originally approved manner or be directed to a drywell for infiltration. The following sections detail any revisions to the project's previously approved compliance with the Massachusetts DEP's Stormwater Standards.

Stormwater Standard 1 – New Stormwater Conveyances

The proposed revisions include no additional outfalls from the previously approved design and, as such, result in no changes to the project's compliance with Stormwater Standard 1.

Stormwater Standard 2 – Stormwater Runoff Rates

The proposed revisions result in minor changes to the peak flow rates at the various design points. However, each design point still results in a decrease in rate in each storm event analyzed as shown in the tables below resulting in no change to the project's compliance with Stormwater Standard 2. HydroCAD calculations for the proposed revisions are attached.

Peak Flow Discharge Rates

Node 1R – Flow Towards Route 6 and Red Brook Road

Storm Event	Pre-Development Peak Discharge Rate (cfs)	Approved Post-Development Peak Discharge Rate (cfs)	Proposed Post-Development Peak Discharge Rate (cfs)
2-Year	0.88	0.01	0.01
10-Year	2.10	0.14	0.14
100-Year	4.70	1.10	1.15

Node 2R – Flow to East Perimeter

Storm Event	Pre-Development Peak Discharge Rate (cfs)	Approved Post-Development Peak Discharge Rate (cfs)	Proposed Post-Development Peak Discharge Rate (cfs)
2-Year	0.82	0.00	0.00
10-Year	1.88	0.00	0.00
100-Year	4.15	0.03	0.03

Node 3R – Flow to North Perimeter

Storm Event	Pre-Development Peak Discharge Rate (cfs)	Approved Post-Development Peak Discharge Rate (cfs)	Proposed Post-Development Peak Discharge Rate (cfs)
2-Year	0.01	0.00	0.00
10-Year	0.11	0.00	0.00
100-Year	2.04	2.02	0.06

Node – Total Site

Storm Event	Pre-Development Peak Discharge Rate (cfs)	Approved Post-Development Peak Discharge Rate (cfs)	Proposed Post-Development Peak Discharge Rate (cfs)
2-Year	1.45	0.01	0.01
10-Year	3.44	0.14	0.15
100-Year	8.90	2.35	1.23

Stormwater Standard 3 – Groundwater Recharge

While the drywells will result in more recharge to groundwater than the previously approved design, it is a relatively small amount, and no credit is sought for this revision. As such, there is no change to the project's compliance with Stormwater Standard 3.

Stormwater Standard 4 – TSS Removal

Most of the proposed drywells capture runoff from areas that are entirely landscaped, pervious surfaces. However, a few drywells do include runoff from asphalt sidewalks that connect the perimeter sidewalks to the open space in the center of the property. These areas have been removed from the treated areas in the attached TSS removal calculations. As the calculations show, however, the project still easily complies with the 80% removal requirements of Stormwater Standard 4.

An additional change proposed is the inclusion of a small water quality swale and drywell to capture, treat, and infiltrate runoff from the driveway to the Community Building. As shown in the attached calculations, with this addition, the project continues to comply with Stormwater Standard 4.

Operation and maintenance requirements for drywells and the water quality swale have been added to the attached long-term pollution prevention plan.

Stormwater Standard 5 – Land Uses with Higher Potential Pollutant Loads

There is no change to the project's compliance with Stormwater Standard 5.

Stormwater Standard 6 – Stormwater Discharges to a Critical Area

There is no change to the project's compliance with Stormwater Standard 6.

Stormwater Standard 7 – Redevelopment Projects

There is no change to the project's compliance with Stormwater Standard 7.

Stormwater Standard 8 – Sedimentation and Erosion Control Plan

There is no change to the project's compliance with Stormwater Standard 8.

Stormwater Standard 9 – Long Term Operation and Maintenance Plan

Operation and maintenance requirements for drywells and the water quality swale have been added to the attached long-term pollution prevention plan. As such, the project continues to comply with Stormwater Standard 9.

Stormwater Standard 10 – Illicit Discharges

There is no change to the project's compliance with Stormwater Standard 8.

Conclusion

As the narrative above and the following calculations demonstrate, the proposed revisions result in no change to the project's compliance with each of the Stormwater Standards and are a minor revision to the previously approved design.

LONG-TERM POLLUTION PREVENTION & OPERATION AND MAINTENANCE PLAN

LONG-TERM POLLUTION PREVENTION & OPERATION AND MAINTENANCE PLAN

As required by Standard #4 of the Stormwater Management Policy, this Long-Term Pollution Prevention Plan has been developed for source control and pollution prevention at the site after construction.

MAINTENANCE RESPONSIBILITY

Ensuring that the provisions of the Long-Term Pollution Prevention Plan are followed will be the responsibility of The Applicant, Dakota Partners.

GOOD HOUSEKEEPING PRACTICES

The site to be kept clean of trash and debris at all times. Trash, junk, etc. is not to be left outside.

VEHICLE WASHING CONTROLS

The following BMP's, or equivalent measures, methods or practices are required if you are engaged in vehicle washing and/or steam cleaning:

It is allowable to rinse down the body or a vehicle, including the bed of a truck, with just water without doing any wash water control BMP's.

If you wash (with mild detergents) on an area that infiltrates water, such as gravel, grass, or loose soil, it is acceptable to let the wash water infiltrate as long as you only wash the body of vehicles.

However, if you wash on a paved area and use detergents or other cleansers, or if you wash/rinse the engine compartment or the underside of vehicles, you must take the vehicles to a commercial vehicle wash.

REQUIREMENTS FOR ROUTINE INSPECTIONS AND MAINTENANCE OF STORMWATER BMPS

All stormwater BMPs are to be inspected and maintain as follows;

Haybales, Silt Fence, and other temporary measures

The temporary erosion control measures will be installed up gradient of any wetland resource area where any disturbance or alteration might otherwise allow for erosion or sedimentation. They will be regularly inspected to ensure that they are functioning adequately. Additional supplies of these temporary measures will be stockpiled on site for any immediate needs or routine replacement.

Deep Sump Hooded Catch Basins

Regular maintenance is essential. Catch basins remain effective at removing pollutants only if they are cleaned out frequently. Inspect or clean basins at least four times per year and at the end of the foliage and snow removal seasons. Sediments must also be removed four times per year or whenever the depth of the deposits in the catch basin sump is greater than or equal to one half the depth form the bottom of the invert of the lowest pipe in the basin.

Water Quality Treatment Units

The water quality treatment structures require periodic inspection and cleaning to maintain operation and function. Owners should have these units inspected on a semi-annual basis and after periods of intense precipitation. Inspections can be done by using a clear Plexiglas tube ("sludge judge") to extract a water column sample. When sediment accumulation reaches 15% of storage capacity, cleaning of the unit is required.

These water quality structures must and will be checked and cleaned immediately after petroleum spills; contact appropriate regulatory agencies.

Maintenance of these units should be done by a vacuum truck that will remove the water, sediment, debris, floating hydrocarbons and other materials in unit. Proper cleaning and disposal of the removed materials and liquid must be followed.

Underground Infiltration System

Maintenance is required for the proper operation of the underground infiltration system. Infiltration systems are prone to failure due to clogging if the upstream water quality units are not maintained. The use of pretreatment BMPs will minimize failure and maintenance requirements.

After construction, the infiltration system shall be inspected after every major storm for the first few months to ensure proper stabilization and function. Water levels in the access ports shall be recorded over several days to check the drainage of the systems. It is recommended that a log book be maintained showing the depth of water in the detention/infiltration systems at each observation in order to determine the rate at which the system dewaters after runoff producing storm events. Once the performance characteristics of the detention/infiltration have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data suggests that a more frequent schedule is required.

Preventive maintenance on the infiltration system shall be performed at least twice a year, and sediment shall be removed from any and all pretreatment and collection structures. Sediment shall be removed when deposits approach within six inches of the invert heights of connecting pipes between unit rows, or in sumped inlet structures. Ponded water inside the systems (as visible from the access ports) that remains after several days most likely indicates that the bottom of the systems are clogged and will require cleaning or replacement.

The system is designed with a defined top portal area at the “down-flow” end of the chamber that can be cut out to accept up to a 10-inch diameter riser pipe. The 10-inch riser can be used as an observation well and as access for a vacuum truck tube for use in removing sediment. The “down flow” ends of the units have end walls that are closed on the bottom. The closed bottom functions like a coffer dam, with most of the sediment depositing prior to flowing into the next chamber, facilitating its removal through the riser pipe, which is positioned directly above this area.

Bio-Retention Area

Bio-retention areas require routine maintenance to ensure that the system functions well as a stormwater BMP and maintains an aesthetic element. A landscaping contractor working elsewhere on the site can complete maintenance tasks in many cases.

Systems require careful attention while plants are being established and seasonal landscaping thereafter. Proper selection of plant species and support during establishment of vegetation should minimize—if not eliminate—the need for fertilizers and pesticides.

Bio-retention areas should be inspected on a semi-annual basis and after major storm events. The system should be inspected monthly for erosion. Eroded areas shall be repaired by reseeding or mulching as necessary. Vegetated areas should be properly maintained and mowed to a height of 2-inches. Accumulated litter and debris should be periodically removed to ensure that the storage areas will function properly. Outlet structures should be inspected periodically and after every storm to ensure that the outlet is functioning properly. Paved surfaces directed to the bio-retention area should be cleaned periodically to remove litter, debris, and vehicle-generated residues and other non-point source pollutants to provide increased pollution control.

Vegetation should be inspected twice per year, at the beginning and end of the growing season. Dead and diseased vegetation should be removed and replaced. Weeds and invasive species should be removed and woody vegetation should be pruned as necessary.

Pre-treatment devices, inflow locations, and overflows should be inspected annually to ensure proper functioning. Any sediment build-up should be removed.

Water Quality Swale

Inspect swales during the first few months after installation to make sure that the vegetation in the swales becomes adequately established. Thereafter, inspect swales twice a year. During the inspections, check the swales for slope integrity, soil moisture, vegetative health, soil stability, soil compaction, soil erosion, ponding and sedimentation.

Regular maintenance includes mowing, fertilizing, liming, watering, pruning, and weed and pest control. Mow swales at least once per year. Do not cut the grass shorter than three to four inches, otherwise the effectiveness of the vegetation in reducing flow velocity and removing pollutants may be reduced. Do not let grass height exceed 6 inches. Manually remove sediment and debris at least once per year, and periodically re-seed, if necessary, to maintain a dense growth of vegetation. Take care to protect water quality swales from snow removal and disposal practices and off-street parking.

Drywells

Inspect after every major storm in the first few months after construction to ensure proper stabilization and function. Thereafter, inspect at least four times per year. Sediments should be removed via vacuum truck when sediment height exceeds 12-inches. Inspect bottom of drywell after sediment removal and replace crushed stone as necessary.

Pipe Outlet Protection

The outlet protection should be checked at least annually and after every major storm. If the rip-rap has been displaced, undermined or damaged, it should be repaired immediately. The channel immediately below the outlet should be checked to see that erosion is not occurring. The downstream channel should be kept clear of obstructions such as fallen trees, debris, and sediment that could change flow patterns and/or tailwater depths on the pipes. Repairs must be carried out immediately to avoid additional damage to the outlet protection apron.

PROVISIONS FOR MAINTENANCE OF LAWNS, GARDENS AND OTHER LANDSCAPE AREAS

Suggested Maintenance Operations

A. Trees and Shrubs

Disease and Pest Management - Prevention of disease or infestation is the first step of Pest Management. A plant that is in overall good health is far less susceptible to disease. Good general landscape maintenance can reduce problems from disease.

Inspections of plant materials for signs of disease or infestation are to be performed monthly by the Landscape Maintenance Contractor's Certified Arborist. This is a critical step for early diagnosis. Trees and Shrubs that have been diagnosed to have a plant disease or an infestation of insect pests are to be treated promptly with an appropriate material by a licensed applicator.

Fertilization - Trees and shrubs live outside their natural environment and should be given proper care to maintain health and vigor. Fertilizing trees and shrubs provides the plants with nutrients needed to resist insect attack, to resist drought and to grow thicker foliage. Fertilizing of new and old trees may be done in one of three ways, in either the early spring or the late fall.

- Systemic Injection of new and existing trees on trees 2 inches or greater in diameter. You must be licensed to apply this method.
- Soil Injection – a liquid fertilizer with a product such as Arbor Green or Rapid Grow injected into the soil under the drip zone of a tree or shrub. Material must be used according to manufacturers' specifications to be effective. Outside contracting is recommended.
- Punch Bar Method – a dry fertilizer such as 10-10-10, may be used by punched holes in the drip zone of the tree 12-18" deep, two feet apart around the circumference, to the edge of the drip line. Three pounds of fertilizer should be used per diameter inch for trees with trunks six inches or more in diameter.
- Fertilizer of shrubs – use a fertilizer such as 10-10-10, broadcast over the planting area according to the manufacturers' rate and water in.

- All fertilization must be noted on daily maintenance log.

Watering - Trees and Shrubs will need supplemental watering to remain in vigorous health. All new plants need to be watered once a week in cool weather, twice a week during warm weather, and up to three times in a week during periods of extreme heat and drought. Trees and shrubs should be watered in such a manner as to totally saturate the soil in the root zone area. Over-watering or constant saturation of the soil must be avoided as this could lead to root rot and other disease problems. The use of a soil moisture meter can help you monitor the soil's water intake.

Plant Replacement - Unhealthy plants that may cause widespread infestation of other nearby plants shall be immediately removed from the site. Any vegetation removed from the site must be recorded and submitted with the daily maintenance log. The area shall be treated to prevent further infestation. The plant shall then be replaced with a healthy specimen of the same species and size. This work shall have a pre-established budget allowance for the year.

A spring inspection of all plant materials shall be performed to identify those plant materials that are not in vigorously healthy condition. Unhealthy plant materials shall be evaluated. If the problem is determined to be minor the plant material shall be given appropriate restorative care in accordance with this maintenance guideline until it is restored to a vigorously healthy condition. Unhealthy plant materials that do not respond to restorative care or are determined to be beyond saving shall be replaced with a healthy specimen of the same species and size. In the case of the necessity of replacing extremely large plant materials the Landscape Architect shall determine the size of the replacement plant.

Pruning - Proper pruning is the selective removal of branches without changing the plant's natural appearance, or habit of growth. All tree pruning is to be performed by a licensed Arborist. All branches that are dead, broken, scared or crossing should be removed. All cuts should be made at the collar and not cut flush with the base.

Pruning on the site shall be done for the following purposes;

- To maintain or reduce the size of a tree or shrub
- To remove dead, diseased or damaged branches
- To rejuvenate old shrubs and encourage new growth
- To stimulate future flower and fruit development
- To maximize the visibility of twig color
- To prevent damage and reduce hazards to people and properties

All shrubs are recommended to be pruned on an annual basis to prevent the shrub from becoming overgrown and eliminate the need for drastic pruning. There are several types of pruning for deciduous shrubs. Hand snips should be used to maintain a more natural look or hand shears can be used for a more formal appearance.

Winter Protection - All trees and shrubs are to be watered, fertilized, and mulched before the first frost. All stakes should be checked and ties adjusted. Damaged branches should be pruned.

Broadleaf and Coniferous Evergreen plant materials are to be sprayed with an anti-desiccant product to prevent winter burn. The application shall be repeated during a suitable mid-winter thaw.

Shrubs located in areas likely to be piled with snow during snow removal (but not designated as Snow Storage Areas) shall be marked by six-foot high poles with bright green banner flags. Stockpiles of snow are not to be located in these areas due to potential damage to the plant materials from both the weight of the snow and the snow melting chemicals.

At the fall landscape maintenance conference parameters will be discussed between the Landscape Maintenance Contractor and the snow removal contractor to assure minimal damage and loss of landscape amenities during the winter season.

Seasonal Clean Up - A thorough spring cleanup is to be performed. This includes the removal and replacement of dead or unhealthy plant materials and the cleanup of plant debris and any general debris that has accumulated over the winter season. Mulch is to be lightly raked to clean debris from the surface without removing any mulch. Twigs and debris are to be removed from the planting beds throughout the growing season.

Mulching - Planting beds shall be mulched with a treated shredded hardwood mulch free from dirt, debris, and insects. A sample of this mulch shall be given to the Owner for approval prior to installation.

Maintain a 2-3" maximum depth and keep free of weeds either by hand weeding or by the use of a pre-emergent weed control such as Treflan or Serfian. Seasonal re-mulching shall occur as necessary in the spring and the fall to maintain this minimum depth. When new mulch is added to the planting bed it shall be spread to create a total depth of no more than three inches. Edges should be maintained in a cleanly edged fashion.

Mulch shall not be placed directly against the trunk of any tree or shrub.

B. Groundcover and Perennials

Disease and Pest Management – Pesticides and herbicides should be applied only as problems occur, with the proper chemical applied only by a trained professional or in the case of pesticide, a Certified Pesticide Applicator. Plants should be monitored weekly and treated accordingly.

Fertilizer – The health of the plants can be maintained or improved, and their growth encouraged by an application of complete fertilizer. Apply a fertilizer such as 4-12-4 as growth becomes apparent and before mulching. Apply to all groundcover and perennial planting areas by hand and avoid letting the fertilizer come in contact with the foliage, or use a liquid fertilizer and apply by soaking the soil. Apply according to the manufacturers' specifications.

Fertilization shall stop at the end of July.

Water – Groundcovers and Perennials will need supplemental watering in order to become established, healthy plants. All new plants need to be watered once a week in cool weather, twice a week during warm weather, and up to three times in a week during periods of extreme heat and drought. Until established, groundcovers and perennials should be watered in such a manner as to totally saturate the soil in the root zone area, to a depth of 6 inches. Once established, perennials shall continue to be watered as necessary to maintain them in a vigorous healthy condition. Over-watering or constant saturation of the soil must be avoided as this could lead to root rot and other disease problems. The use of a soil moisture meter can help you monitor the soil's water intake.

On-site water shall be furnished by the Owner. Hose and other watering equipment shall be furnished by the Landscape Maintenance Contractor.

Replacement – Any unhealthy plant/s that may cause widespread infestation of other nearby plants shall be immediately removed from the site. Any vegetation removed from the site must be recorded and submitted with the landscape maintenance log. The area shall be treated to prevent further infestation. The plant/s shall then be replaced with healthy specimen/s of the same species and size. Old Forge shall have a pre-established budget allowance for this type of replacement, each year.

Plant material that is damaged as a result of other landscape maintenance activities, such as mowing, shall be replaced with healthy specimens of the same species and size, at no additional cost to the owner.

Deadheading – Perennials shall be checked on a weekly basis and dead-headed once flowers have faded or as necessary based on plant type and duration of flower. Spent flowers can be pinched off with the thumb and forefinger. Continue to remove all faded flowers until Fall. All associated debris shall be removed from site daily.

Staking – Upright-growing perennials need support especially when in flower. Use of bamboo stakes, galvanized wire hoops or mesh may be necessary for their support. Supports should be put in place before they have become too difficult to handle. The supports should not be taller than the mature height of the perennial plant.

Division of Perennials – Two or three-year-old perennials are easily divided in the spring if more plants are needed. To divide, cut out the entire section of plant to be divided, including roots. The larger divisions (those with three or more shoots), can be set out immediately in their permanent location, where they can be expected to bloom the same season. Smaller divisions are best planted in an out-of-the-way planting bed until the following autumn or spring, when they can be moved to their permanent location.

Weeding – All planting beds should be kept weed-free. Weed either by hand or with a pre-emergent herbicide such as Treflen used according to manufacturers' specifications. Manual weeding is to be used in combination with the use of spot applications of herbicides. Both live and dead weeds are to be pulled and removed from the site.

All herbicide applications shall be documented in the Landscape Maintenance Log. The actual product label or the manufacturer's product specification sheet for the specific product shall also be included in the Log.

Only personnel with appropriate applicator licenses shall supervise and/or perform the application of pesticide products requiring a license.

Winterizing – Perennial gardens should be cleaned-up when growth ceases in the fall. Remove foliage of plants that normally die down to the ground. Divide and replant over-grown clumps.

C. Lawn Areas - Turf Systems

Mowing – Proper mowing is an integral part of any good turf maintenance program. Without it, the finest in fertilization, watering and other vital maintenance practices would be completely ineffective. Proper mowing will help control dicot weeds; help the turf survive during periods of extreme heat, and gain strength and vigor to resist disease and other infestations.

Mowing height – The proper mowing height will vary somewhat according to the type of grass. The most common type of seed & sod lawns contain a mixture of bluegrass, fine fescue and perennial rye, which should be mowed at 2-3 inches.

Mowing frequency – The basic rule of thumb for mowing frequency is to never remove more than 1/3 of the grass blade in one mowing. Example: if you want to mow your turf at 2 inches, you should cut it when it reaches 3 inches. Removing more than ½ of the grass plant at a time can put the plant into shock, thus making it more susceptible to stress disease and weed infestation.

Mowing frequency will vary with the growing season and should be set by the plant height and not a set date. It will often be necessary to mow twice a week during periods of surge growth to help maintain plant health and color. Mowing should be cut back during periods of stress.

Grass clippings should be removed whenever they are thick enough to layer the turf. The return of clippings to the soil actually adds nutrients and helps retain moisture. Heavily clumped grass clippings are a sign of infrequent mowing, calling for an adjustment in the mowing schedule.

When mowing any area, try to alternate mowing patterns. This tends to keep grass blades more erect and assures an even cut. A dull mower will cause color loss due to tearing of the turf plant, and since mowing will ultimately determine the appearance of any turf area there is an absolute necessity for a clean sharp cut.

Weed & Pest Control and Fertilizing- In order to maintain turf grass health, vigor color, and nutrients, fertilizer must be added to the soil. Recommendations for fertilization of lawn areas are as follows; fertilize at the rate of one (1) pound of nitrogen per thousand square feet, per year is optimum. Fertilizer should be a balanced slow release, sulfur coated type fertilizer.

Weed Control - All turf areas will require some weed control, for both weed grasses and dicot weeds. Weeds should be treated at the appropriate time and with a material labeled for the target weed. Please refer to the fertilizer weed and pest schedule for timing.

Pest Control - All turf areas will require some pest control. Pests should be treated at the appropriate time with a material labeled for the target pest. Please refer to the fertilizer, weed and pest schedule for timing.

Lime - A common cause for an unhealthy lawn is acidic soil. When the pH is below the neutral range (between 6-7) vital plant nutrients become fixed in the soil and cannot be absorbed by the grass plant. Lime corrects an acid soil

condition, supplies calcium for plant growth and improves air and water circulation. Limestone applied at the rate of 50 lbs. per thousand square feet will adjust the soil pH one point over a period of 6-9 months.

D. Fertilizer, Weed & Pest Control Schedule – Turf Systems

Spring - (April)	Fertilize one (1) pound of nitrogen per 1,000 square feet Pre-emergent weed grass control Broadleaf weed control
Late Spring - (June)	Fertilize one (1) pound of nitrogen per 1,000 square feet Pre-emergent weed grass control Broadleaf weed control Insect Control (if needed)
*Summer - (August)	Fertilize one (1) pound of nitrogen per 1,000 square feet Broadleaf weed control (if needed) Insect Control (if needed)
Fall - (September)	Fertilize one (1) pound of nitrogen per 1,000 square feet

*Omit if area is not to be irrigated

Lawn Maintenance Task Schedule

MARCH (Weather permitting)
- Clean up winter debris, sand, leaves, trash etc.
- Re-edge mulch beds, maintain at 2-3" maximum.
- Fertilize plants
- Aerate and thatch turf (conditions permitting)

APRIL
- Reseed or sod all areas needing attention.
- Fertilize and weed control
- Lime
- Start mowing when grass reaches 2-1/2", mow to 2"

MAY
- Mow turf to 2-2-1/2"
- Weed as necessary.
- Check for disease and pest problems in both turf and plants.

JUNE
- Mow turf to 2-1/2" – 3"
- Fertilize and weed control.
- Weed
- Check for disease and pest problems in both turf and plants, treat as necessary.

PROVISIONS FOR SOLID WASTE MANAGEMENT (SITE TRASH)

Trash will be placed in on-site dumpsters and the Owner will make provisions for its regular and timely removal.

SNOW DISPOSAL AND PLOWING PLANS

The purpose of the snow and snowmelt management plan is to provide guidelines regarding snow disposal site selection, site preparation and maintenance that are acceptable to the Department of Environmental Protection. For the areas that require snow removal, snow storage onsite will largely be accomplished by using pervious areas along the shoulder of the roadway and development as windrowed by plows.

- Avoid dumping of snow into any water body, including rivers, ponds, or wetlands. In addition to water quality impacts and flooding, snow disposed of in open water can cause navigational hazards when it freezes into ice blocks.
- Avoid disposing of snow on top of storm drain catch basins or in stormwater basins. Snow combined with sand and debris may block a storm drainage system, causing localized flooding. A high volume of sand, sediment, and litter released from melting snow also may be quickly transported through the system into surface water.
- In significant storm events, the melting or off-site trucking of snow may be implemented. These activities shall be conducted in accordance with all local, state and federal regulations.

WINTER ROAD SALT AND/OR SAND USE AND STORAGE RESTRICTIONS

The applicant will be responsible for sanding and salting the site. No storage on site.

STREET SWEEPING SCHEDULES

There are three types of sweepers: Mechanical, Regenerative Air, and Vacuum Filter.

1) Mechanical: Mechanical sweepers use brooms or rotary brushes to scour the pavement.
2) Regenerative Air: These sweepers blow air onto the road or parking lot surface, causing fines to rise where they are vacuumed.
3) Vacuum filter: These sweepers remove fines along roads. Two general types of vacuum filter sweepers are available - wet and dry. The dry type uses a broom in combination with the vacuum. The wet type uses water for dust suppression

Regardless of the type chosen, the efficiency of street sweeping is increased when sweepers are operated in tandem.

This project has not included street sweeping as part of the TSS removal calculations. However, it is recommended that street sweeping of the parking areas occur four times a year, including once after the spring snow melt.

Reuse and Disposal of Street Sweepings

Once removed from paved surfaces, the sweepings must be handled and disposed of properly. Mass DEP's Bureau of Waste Prevention has issued a written policy regarding the reuse and disposal of street sweepings. These sweepings are regulated as a solid waste, and can be used in three ways:

- In one of the ways already approved by Mass DEP (e.g., daily cover in a landfill, additive to compost, fill in a public way)
- If approved under a Beneficial Use Determination
- Disposed in a landfill

TRAINING OF STAFF OR PERSONNEL INVOLVED WITH IMPLEMENTING LONG-TERM POLLUTION PREVENTION PLAN

The Long-Term Pollution Prevention Plan is to be implemented by property owner of the site. Trained and, if required, licensed Professionals are to be hired by the owner as applicable to implement the Long-Term Pollution Prevention Plan.

LIST OF EMERGENCY CONTACTS FOR IMPLEMENTING LONG-TERM POLLUTION PREVENTION PLAN

The applicant will be required to implement the Long-Term Pollution Prevention Plan and will create and maintain a list of emergency contacts.

POST CONSTRUCTION PHASE INSPECTION SCHEDULE AND EVALUATION CHECKLIST

Inspection Date	Inspector	BMP Inspected	Inspection Frequency Requirements	Comments	Recommendation	Follow-up Inspection Required (yes/no)
		Catch Basin	Four times a year			
		Water Quality Units	Four times a year			
		Infiltration System	Twice a year			
		Bio-Retention Area	Twice a year			
		Water Quality Swale	Twice a year			
		Drywells	Four times a year			
		Pipe Outlet Protection	Once a year			

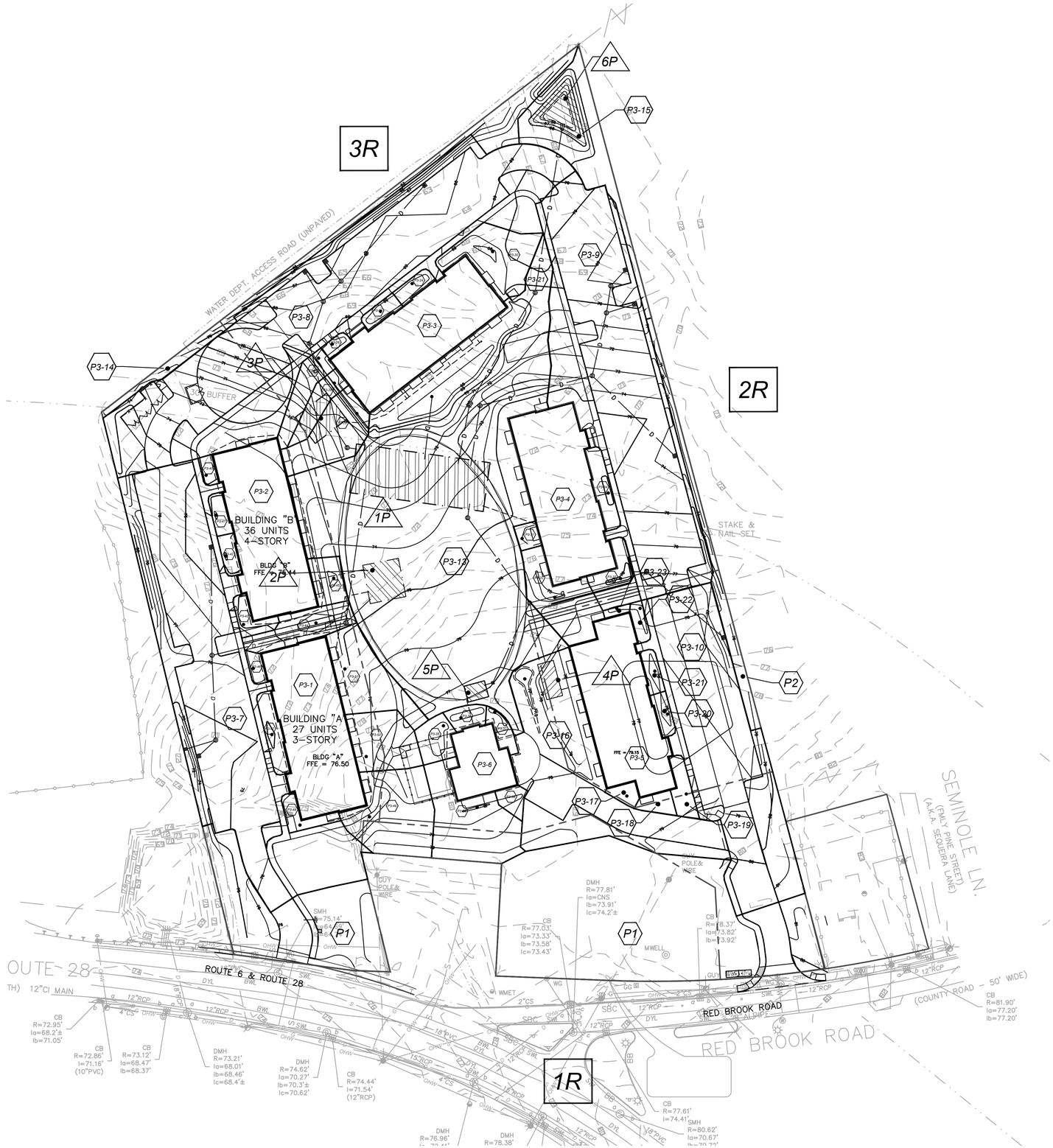
1. Refer to the Massachusetts Stormwater Handbook Volume Two: Stormwater Technical Handbook (February 2008) for recommendations regarding frequency for inspections and maintenance of specific BMP's

2. Inspections to be conducted by a qualified professional such as an environmental scientist or civil engineer.

3. Limited or no use of sodium chloride salts, fertilizers or pesticides recommended.

4. Other Notes: (Include deviations from Conservation Commission Approvals, Planning Board Approvals and Approved Plans)

PROPOSED WATERSHED PLAN



LEGEND

4S — SUBCATCHMENT ID

SUBCATCHMENT LIMITS

2P — POND ID

3R — DESIGN POINT ID

WOODLAND COVE - JANUARY 12, 2018

WOODLAND COVE

3102 CRANBERRY HIGHWAY
IN
WAREHAM
MASSACHUSETTS

PROPOSED WATERSHED PLAN

JULY 20, 2018

REVISIONS:

1	03/15/24	BUILDING GRADES

PREPARED FOR:
DAKOTA PARTNERS
1264 MAIN STREET
WALTHAM, MA 02451

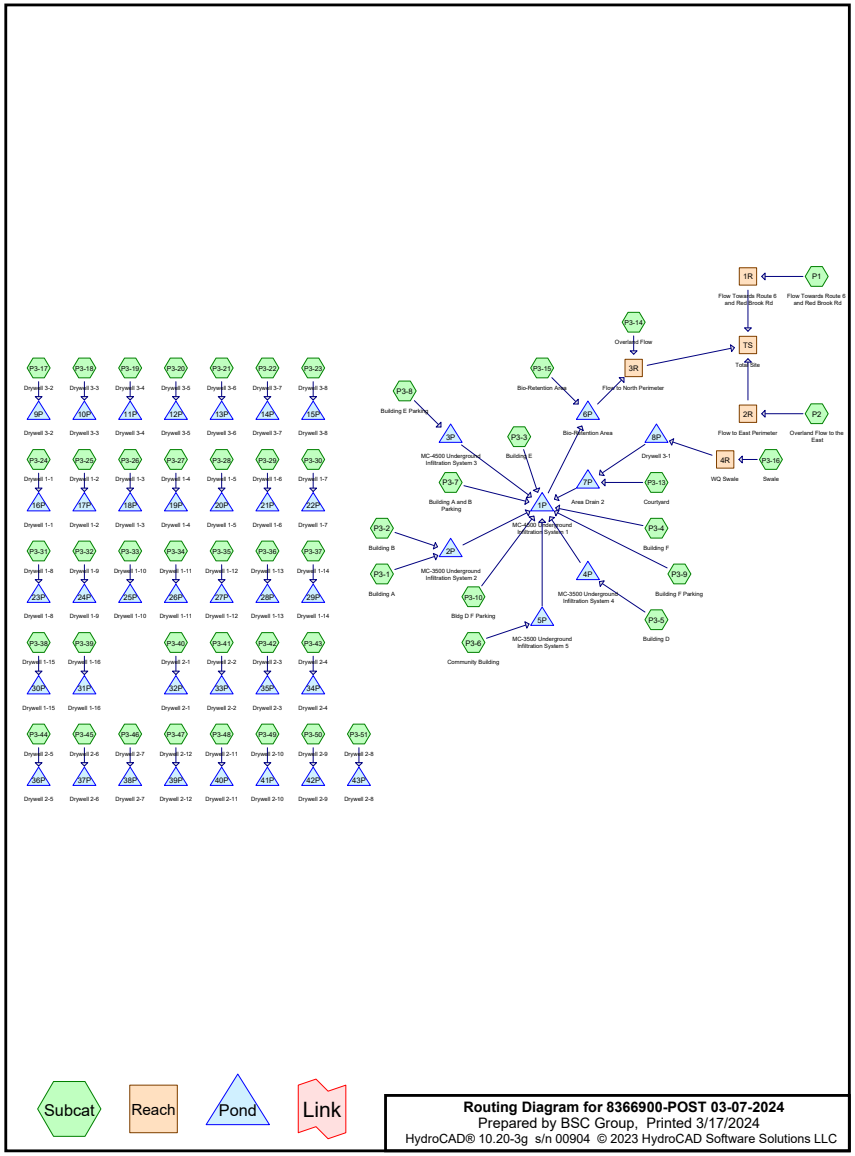
BSC GROUP
803 Summer Street
Boston, Massachusetts 02127-1601
860 652 8227

SCALE: 1" = 5E+01'_XREF
0 25 50 100 FEET

FILE: 2024-03-06 8366900-PR-WS.DWG
DWG. NO:
JOB. NO: 83669.00

FIGURE 2

PROPOSED HYDROLOGY CALCULATIONS (HYDROCAD™ PRINTOUTS)



8366900-POST 03-07-2024
Prepared by BSC Group

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-year	Type III 24-hr		Default	24.00	1	3.50	2
2	10-year	Type III 24-hr		Default	24.00	1	4.80	2
3	100-year	Type III 24-hr		Default	24.00	1	7.10	2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
4.661	39	>75% Grass cover, Good, HSG A (P1, P2, P3-10, P3-13, P3-14, P3-15, P3-16, P3-17, P3-18, P3-19, P3-20, P3-21, P3-22, P3-23, P3-24, P3-25, P3-26, P3-27, P3-28, P3-29, P3-30, P3-31, P3-32, P3-33, P3-34, P3-35, P3-36, P3-37, P3-38, P3-39, P3-40, P3-41, P3-42, P3-43, P3-44, P3-45, P3-46, P3-47, P3-48, P3-49, P3-50, P3-51, P3-7, P3-8, P3-9)
2.552	98	Paved parking, HSG A (P1, P3-10, P3-16, P3-7, P3-8, P3-9)
1.282	98	Roofs, HSG A (P3-1, P3-13, P3-18, P3-2, P3-3, P3-30, P3-31, P3-4, P3-44, P3-45, P3-48, P3-49, P3-5, P3-50, P3-51, P3-6)
0.028	98	Stone Dust Walk, HSG A (P3-49, P3-50, P3-51)
0.135	98	Stone Dust, HSG A (P3-13, P3-7)
0.060	98	Unconnected pavement, HSG A (P3-13, P3-27, P3-28, P3-29, P3-32, P3-33, P3-35, P3-37, P3-39, P3-44, P3-48)
8.718	**66**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
8.718	HSG A	P1, P2, P3-1, P3-10, P3-13, P3-14, P3-15, P3-16, P3-17, P3-18, P3-19, P3-2, P3-20, P3-21, P3-22, P3-23, P3-24, P3-25, P3-26, P3-27, P3-28, P3-29, P3-3, P3-30, P3-31, P3-32, P3-33, P3-34, P3-35, P3-36, P3-37, P3-38, P3-39, P3-4, P3-40, P3-41, P3-42, P3-43, P3-44, P3-45, P3-46, P3-47, P3-48, P3-49, P3-5, P3-50, P3-51, P3-6, P3-7, P3-8, P3-9
0.000	HSG B	
0.000	HSG C	
0.000	HSG D	
0.000	Other	
8.718		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
4.661	0.000	0.000	0.000	0.000	4.661	>75% Grass cover, Good	P1, P2, P3-10, P3-13, P3-14, P3-15, P3-16, P3-17, P3-18, P3-19, P3-20, P3-21, P3-22, P3-23, P3-24, P3-25, P3-26, P3-27, P3-28, P3-29, P3-30, P3-31, P3-32, P3-33, P3-34, P3-35, P3-36, P3-37, P3-38, P3-39, P3-40, P3-41, P3-42, P3-43, P3-44, P3-45, P3-46, P3-47, P3-48, P3-49, P3-50, P3-51, P3-7, P3-8, P3-9

Ground Covers (all nodes) (continued)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
2.552	0.000	0.000	0.000	0.000	2.552	Paved parking	P1, P3-10, P3-16, P3-7, P3-8, P3-9
1.282	0.000	0.000	0.000	0.000	1.282	Roofs	P3-1, P3-13, P3-18, P3-2, P3-3, P3-30, P3-31, P3-4, P3-44, P3-45, P3-48, P3-49, P3-5, P3-50, P3-51, P3-6
0.135	0.000	0.000	0.000	0.000	0.135	Stone Dust	P3-13, P3-7
0.028	0.000	0.000	0.000	0.000	0.028	Stone Dust Walk	P3-49, P3-50, P3-51
0.060	0.000	0.000	0.000	0.000	0.060	Unconnected pavement	P3-13, P3-27, P3-28, P3-29, P3-32, P3-33, P3-35, P3-37, P3-39, P3-44, P3-48
8.718	**0.000**	**0.000**	**0.000**	**0.000**	**8.718**	**TOTAL AREA**	

Time span=0.00-26.00 hrs, dt=0.01 hrs, 2601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentP1: Flow Towards Route 6 Runoff Area=48,499 sf 8.97% Impervious Runoff Depth=0.07"
Tc=6.0 min CN=44 Runoff=0.01 cfs 0.006 af

SubcatchmentP2: Overland Flow to the East Runoff Area=2,885 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-1: Building A Runoff Area=10,546 sf 100.00% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=98 Runoff=0.82 cfs 0.066 af

SubcatchmentP3-10: Bldg D F Parking Runoff Area=21,907 sf 82.68% Impervious Runoff Depth=2.27"
Tc=6.0 min CN=88 Runoff=1.33 cfs 0.095 af

SubcatchmentP3-13: Courtyard Runoff Area=60,671 sf 10.97% Impervious Runoff Depth=0.08"
Tc=6.0 min CN=45 Runoff=0.02 cfs 0.010 af

SubcatchmentP3-14: Overland Flow Runoff Area=5,263 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-15: Bio-Retention Area Runoff Area=6,714 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-16: Swale Runoff Area=16,983 sf 39.46% Impervious Runoff Depth=0.62"
Tc=6.0 min CN=62 Runoff=0.21 cfs 0.020 af

SubcatchmentP3-17: Drywell 3-2 Runoff Area=507 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-18: Drywell 3-3 Runoff Area=712 sf 10.25% Impervious Runoff Depth=0.08"
Tc=6.0 min CN=45 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-19: Drywell 3-4 Runoff Area=507 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-2: Building B Runoff Area=10,546 sf 100.00% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=98 Runoff=0.82 cfs 0.066 af

SubcatchmentP3-20: Drywell 3-5 Runoff Area=633 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-21: Drywell 3-6 Runoff Area=637 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-22: Drywell 3-7 Runoff Area=517 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-23: Drywell 3-8 Runoff Area=215 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-24: Drywell 1-1 Runoff Area=636 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-25: Drywell 1-2 Runoff Area=627 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-26: Drywell 1-3 Runoff Area=395 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-27: Drywell 1-4 Runoff Area=1,722 sf 8.54% Impervious Runoff Depth=0.04"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-28: Drywell 1-5 Runoff Area=1,492 sf 8.31% Impervious Runoff Depth=0.03"
Tc=6.0 min UI Adjusted CN=41 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-29: Drywell 1-6 Runoff Area=3,640 sf 6.07% Impervious Runoff Depth=0.03"
Tc=6.0 min UI Adjusted CN=41 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-3: Building E Runoff Area=10,040 sf 100.00% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=98 Runoff=0.78 cfs 0.063 af

SubcatchmentP3-30: Drywell 1-7 Runoff Area=3,902 sf 1.87% Impervious Runoff Depth=0.02"
Tc=6.0 min CN=40 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-31: Drywell 1-8 Runoff Area=513 sf 14.23% Impervious Runoff Depth=0.12"
Tc=6.0 min CN=47 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-32: Drywell 1-9 Runoff Area=3,861 sf 10.33% Impervious Runoff Depth=0.04"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-33: Drywell 1-10 Runoff Area=1,912 sf 12.45% Impervious Runoff Depth=0.05"
Tc=6.0 min UI Adjusted CN=43 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-34: Drywell 1-11 Runoff Area=1,265 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-35: Drywell 1-12 Runoff Area=1,344 sf 9.45% Impervious Runoff Depth=0.04"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-36: Drywell 1-13 Runoff Area=747 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-37: Drywell 1-14 Runoff Area=703 sf 48.51% Impervious Runoff Depth=0.90"
Tc=6.0 min CN=68 Runoff=0.02 cfs 0.001 af

SubcatchmentP3-38: Drywell 1-15 Runoff Area=625 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-39: Drywell 1-16 Runoff Area=5,649 sf 2.28% Impervious Runoff Depth=0.02"
Tc=6.0 min CN=40 Runoff=0.00 cfs 0.000 af

Subcatchment P3-4: Building F Runoff Area=10,071 sf 100.00% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=98 Runoff=0.79 cfs 0.063 af

Subcatchment P3-40: Drywell 2-1 Runoff Area=370 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-41: Drywell 2-2 Runoff Area=588 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-42: Drywell 2-3 Runoff Area=588 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-43: Drywell 2-4 Runoff Area=825 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-44: Drywell 2-5 Runoff Area=2,582 sf 24.83% Impervious Runoff Depth=0.15"
Tc=6.0 min UI Adjusted CN=48 Runoff=0.00 cfs 0.001 af

Subcatchment P3-45: Drywell 2-6 Runoff Area=1,295 sf 5.64% Impervious Runoff Depth=0.04"
Tc=6.0 min CN=42 Runoff=0.00 cfs 0.000 af

Subcatchment P3-46: Drywell 2-7 Runoff Area=416 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-47: Drywell 2-12 Runoff Area=1,169 sf 0.00% Impervious Runoff Depth=0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-48: Drywell 2-11 Runoff Area=823 sf 22.48% Impervious Runoff Depth=0.15"
Tc=6.0 min UI Adjusted CN=48 Runoff=0.00 cfs 0.000 af

Subcatchment P3-49: Drywell 2-10 Runoff Area=5,744 sf 8.44% Impervious Runoff Depth=0.07"
Tc=6.0 min CN=44 Runoff=0.00 cfs 0.001 af

Subcatchment P3-5: Building D Runoff Area=9,842 sf 100.00% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=98 Runoff=0.77 cfs 0.062 af

Subcatchment P3-50: Drywell 2-9 Runoff Area=3,294 sf 22.53% Impervious Runoff Depth=0.25"
Tc=6.0 min CN=52 Runoff=0.01 cfs 0.002 af

Subcatchment P3-51: Drywell 2-8 Runoff Area=4,300 sf 8.53% Impervious Runoff Depth=0.07"
Tc=6.0 min CN=44 Runoff=0.00 cfs 0.001 af

Subcatchment P3-6: Community Building Runoff Area=3,116 sf 100.00% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=98 Runoff=0.24 cfs 0.019 af

Subcatchment P3-7: Building A and B Runoff Area=35,316 sf 75.32% Impervious Runoff Depth=1.86"
Tc=6.0 min CN=83 Runoff=1.77 cfs 0.126 af

Subcatchment P3-8: Building E Parking Runoff Area=40,318 sf 71.68% Impervious Runoff Depth=1.71"
Tc=6.0 min CN=81 Runoff=1.85 cfs 0.132 af

Subcatchment P3-9: Building F Parking Runoff Area=32,295 sf 83.02% Impervious Runoff Depth=2.27"
Tc=6.0 min CN=88 Runoff=1.96 cfs 0.140 af

Reach 1R: Flow Towards Route 6 and Red Brook Rd Inflow=0.01 cfs 0.006 af
Outflow=0.01 cfs 0.006 af

Reach 2R: Flow to East Perimeter Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Reach 3R: Flow to North Perimeter Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Reach 4R: WQ Swale Avg. Flow Depth=0.10' Max Vel=1.72 fps Inflow=0.21 cfs 0.020 af
n=0.022 L=75.0' S=0.0200 '/' Capacity=5.35 cfs Outflow=0.21 cfs 0.020 af

Reach TS: Total Site Inflow=0.01 cfs 0.006 af
Outflow=0.01 cfs 0.006 af

Pond 1P: MC-4500 Underground Infiltration Peak Elev=64.04' Storage=3,176 cf Inflow=6.63 cfs 0.496 af
Discarded=2.27 cfs 0.496 af Primary=0.00 cfs 0.000 af Outflow=2.27 cfs 0.496 af

Pond 2P: MC-3500 Underground Infiltration Peak Elev=69.28' Storage=892 cf Inflow=1.65 cfs 0.132 af
Discarded=0.54 cfs 0.132 af Primary=0.00 cfs 0.000 af Outflow=0.54 cfs 0.132 af

Pond 3P: MC-4500 Underground Infiltration Peak Elev=64.61' Storage=1,166 cf Inflow=1.85 cfs 0.132 af
Discarded=0.52 cfs 0.132 af Primary=0.00 cfs 0.000 af Outflow=0.52 cfs 0.132 af

Pond 4P: MC-3500 Underground Infiltration Peak Elev=71.87' Storage=426 cf Inflow=0.77 cfs 0.062 af
Discarded=0.25 cfs 0.062 af Primary=0.00 cfs 0.000 af Outflow=0.25 cfs 0.062 af

Pond 5P: MC-3500 Underground Infiltration Peak Elev=70.00' Storage=63 cf Inflow=0.24 cfs 0.019 af
Discarded=0.13 cfs 0.019 af Primary=0.00 cfs 0.000 af Outflow=0.13 cfs 0.019 af

Pond 6P: Bio-Retention Area Peak Elev=65.51' Storage=5 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 7P: Area Drain 2 Peak Elev=65.56' Storage=0 cf Inflow=0.02 cfs 0.010 af
12.0" Round Culvert n=0.013 L=55.0' S=0.0200 '/' Outflow=0.02 cfs 0.010 af

Pond 8P: Drywell 3-1 Peak Elev=77.21' Storage=154 cf Inflow=0.21 cfs 0.020 af
Discarded=0.08 cfs 0.020 af Primary=0.00 cfs 0.000 af Outflow=0.08 cfs 0.020 af

Pond 9P: Drywell 3-2 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 10P: Drywell 3-3 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 11P: Drywell 3-4 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 12P: Drywell 3-5 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 13P: Drywell 3-6 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 14P: Drywell 3-7 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 15P: Drywell 3-8 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 16P: Drywell 1-1 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 17P: Drywell 1-2 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 18P: Drywell 1-3 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 19P: Drywell 1-4 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 20P: Drywell 1-5 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 21P: Drywell 1-6 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 22P: Drywell 1-7 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 23P: Drywell 1-8 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 24P: Drywell 1-9 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 25P: Drywell 1-10 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 26P: Drywell 1-11 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 27P: Drywell 1-12 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 28P: Drywell 1-13 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 29P: Drywell 1-14 Peak Elev=0.18' Storage=2 cf Inflow=0.02 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 30P: Drywell 1-15 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 31P: Drywell 1-16 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 32P: Drywell 2-1 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 33P: Drywell 2-2 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 34P: Drywell 2-4 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 35P: Drywell 2-3 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 36P: Drywell 2-5 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 37P: Drywell 2-6 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 38P: Drywell 2-7 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 39P: Drywell 2-12 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 40P: Drywell 2-11 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 41P: Drywell 2-10 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 42P: Drywell 2-9 Peak Elev=0.02' Storage=0 cf Inflow=0.01 cfs 0.002 af
Outflow=0.01 cfs 0.002 af

Pond 43P: Drywell 2-8 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Total Runoff Area = 8.718 ac Runoff Volume = 0.874 af Average Runoff Depth = 1.20"
53.47% Pervious = 4.661 ac 46.53% Impervious = 4.057 ac

Summary for Subcatchment P1: Flow Towards Route 6 and Red Brook Rd

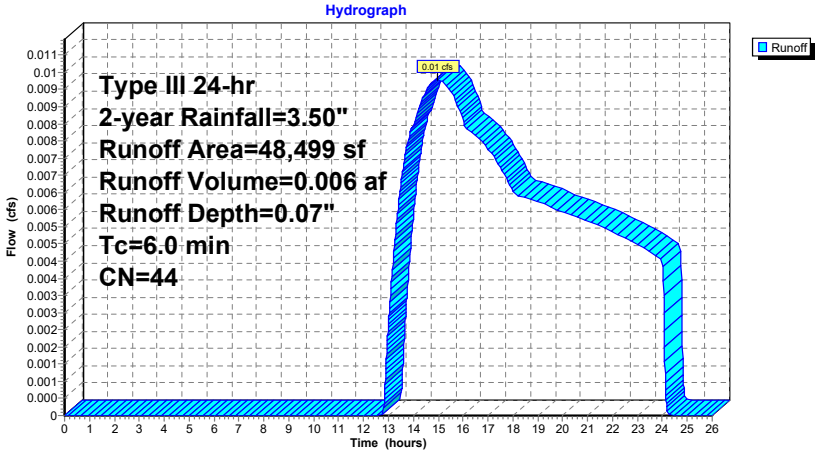
Runoff = 0.01 cfs @ 14.98 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Reach 1R : Flow Towards Route 6 and Red Brook Rd

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
4,348	98	Paved parking, HSG A
44,151	39	>75% Grass cover, Good, HSG A
48,499	44	Weighted Average
44,151		91.03% Pervious Area
4,348		8.97% Impervious Area

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

Subcatchment P1: Flow Towards Route 6 and Red Brook Rd



Summary for Subcatchment P2: Overland Flow to the East

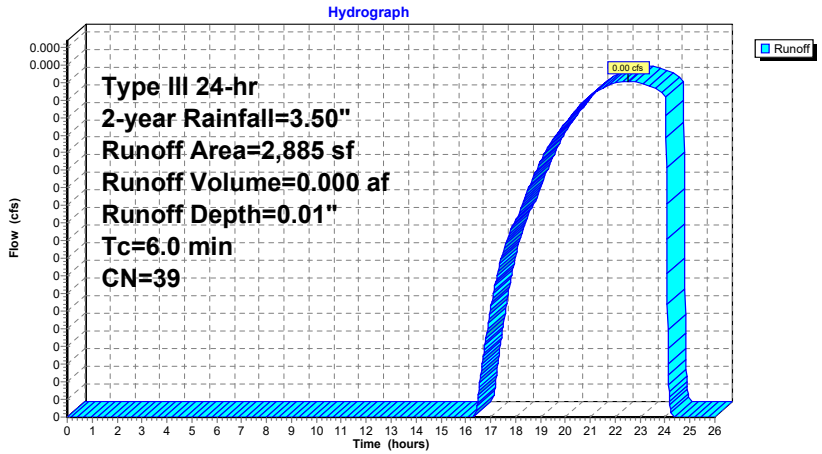
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Reach 2R : Flow to East Perimeter

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
2,885	39	>75% Grass cover, Good, HSG A
2,885		100.00% Pervious Area

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

Subcatchment P2: Overland Flow to the East



Summary for Subcatchment P3-1: Building A

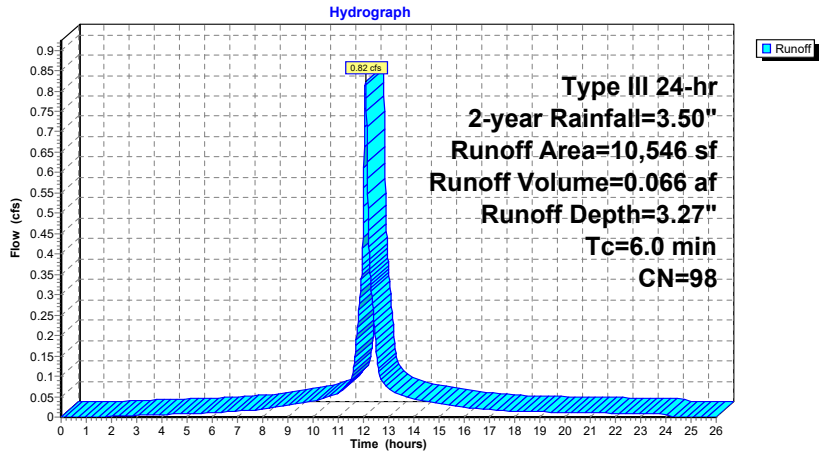
Runoff = 0.82 cfs @ 12.08 hrs, Volume= 0.066 af, Depth= 3.27"
Routed to Pond 2P : MC-3500 Underground Infiltration System 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
10,546	98	Roofs, HSG A
10,546		100.00% Impervious Area

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

Subcatchment P3-1: Building A



Summary for Subcatchment P3-10: Bldg D F Parking

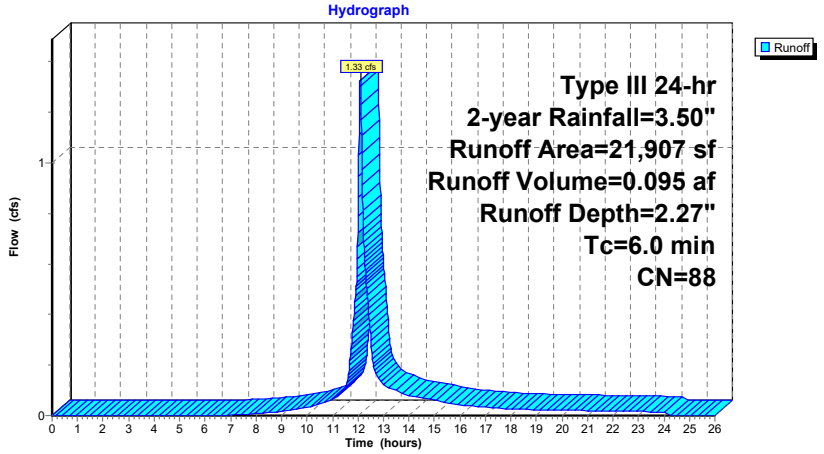
Runoff = 1.33 cfs @ 12.09 hrs, Volume= 0.095 af, Depth= 2.27"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
18,113	98	Paved parking, HSG A
3,794	39	>75% Grass cover, Good, HSG A
21,907	88	Weighted Average
3,794		17.32% Pervious Area
18,113		82.68% Impervious Area

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

Subcatchment P3-10: Bldg D F Parking



Summary for Subcatchment P3-13: Courtyard

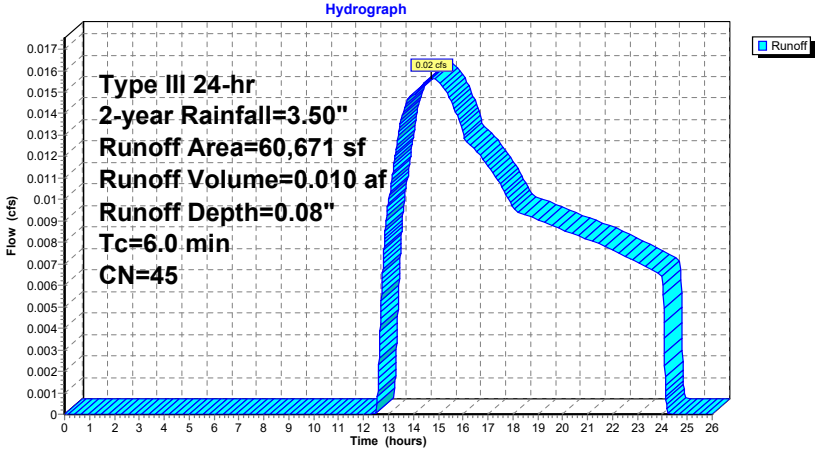
Runoff = 0.02 cfs @ 14.74 hrs, Volume= 0.010 af, Depth= 0.08"
Routed to Pond 7P : Area Drain 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

	Area (sf)	CN	Description
	54,018	39	>75% Grass cover, Good, HSG A
	275	98	Unconnected pavement, HSG A
	803	98	Roofs, HSG A
*	5,575	98	Stone Dust, HSG A
	60,671	45	Weighted Average
	54,018		89.03% Pervious Area
	6,653		10.97% Impervious Area
	275		4.13% Unconnected

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

Subcatchment P3-13: Courtyard



Summary for Subcatchment P3-14: Overland Flow

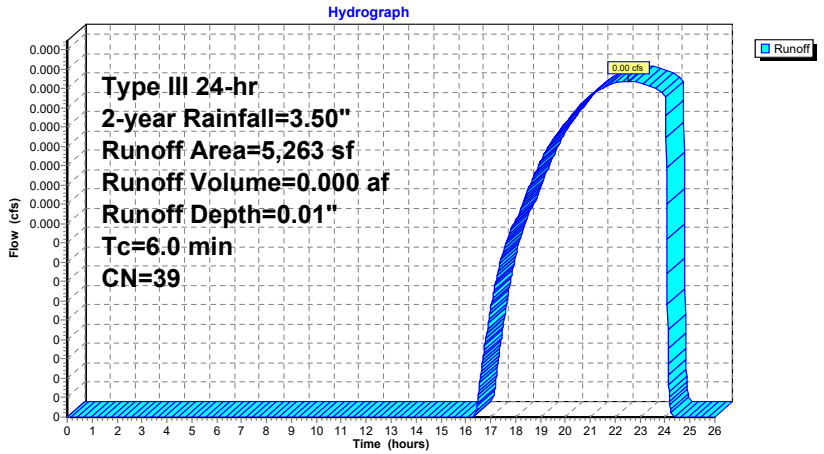
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Reach 3R : Flow to North Perimeter

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
5,263	39	>75% Grass cover, Good, HSG A
5,263		100.00% Pervious Area

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

Subcatchment P3-14: Overland Flow



Summary for Subcatchment P3-15: Bio-Retention Area

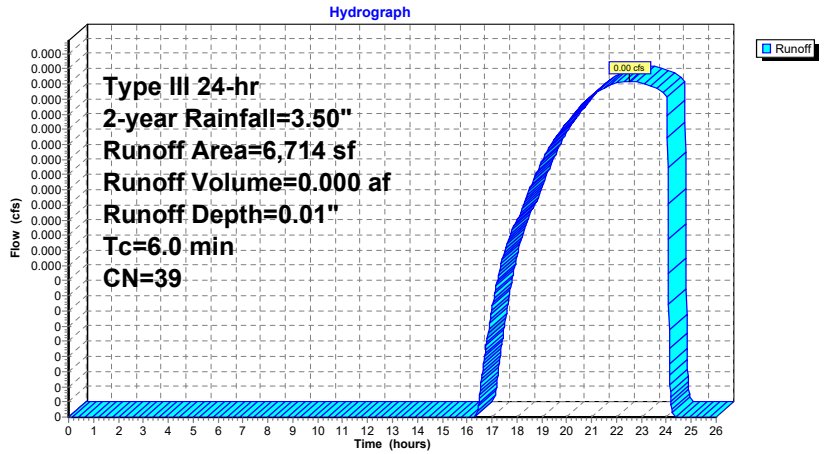
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 6P : Bio-Retention Area

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
6,714	39	>75% Grass cover, Good, HSG A
6,714		100.00% Pervious Area

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

Subcatchment P3-15: Bio-Retention Area



Summary for Subcatchment P3-16: Swale

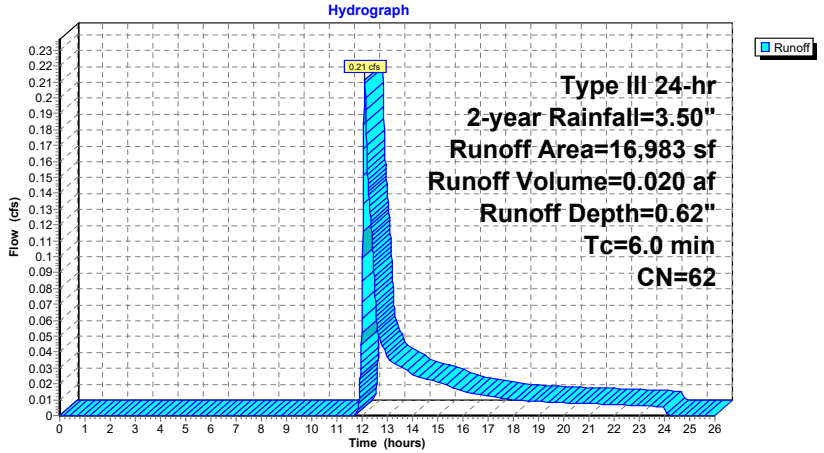
Runoff = 0.21 cfs @ 12.11 hrs, Volume= 0.020 af, Depth= 0.62"
Routed to Reach 4R : WQ Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
6,702	98	Paved parking, HSG A
10,281	39	>75% Grass cover, Good, HSG A
16,983	62	Weighted Average
10,281		60.54% Pervious Area
6,702		39.46% Impervious Area

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

Subcatchment P3-16: Swale



Summary for Subcatchment P3-17: Drywell 3-2

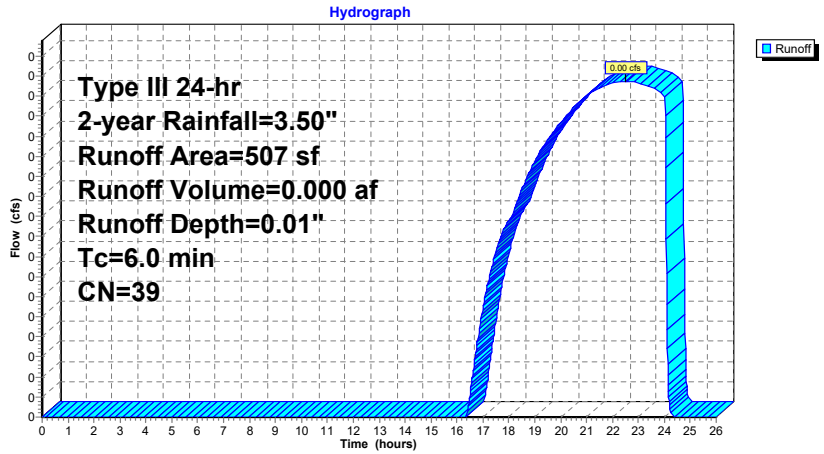
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 9P : Drywell 3-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
507	39	>75% Grass cover, Good, HSG A
507		100.00% Pervious Area

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

Subcatchment P3-17: Drywell 3-2



Summary for Subcatchment P3-18: Drywell 3-3

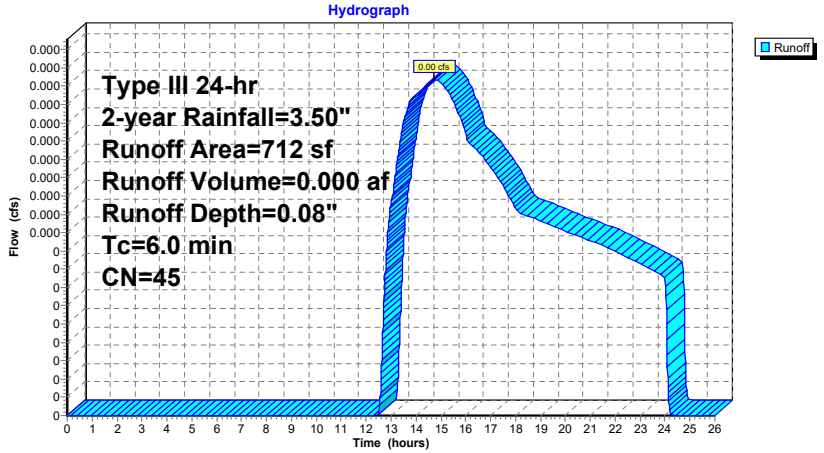
Runoff = 0.00 cfs @ 14.74 hrs, Volume= 0.000 af, Depth= 0.08"
Routed to Pond 10P : Drywell 3-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
73	98	Roofs, HSG A
639	39	>75% Grass cover, Good, HSG A
712	45	Weighted Average
639		89.75% Pervious Area
73		10.25% Impervious Area

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

Subcatchment P3-18: Drywell 3-3



Summary for Subcatchment P3-19: Drywell 3-4

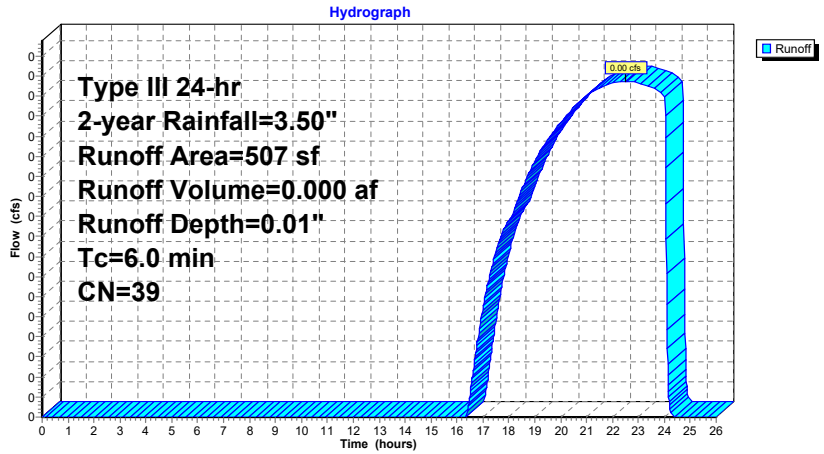
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 11P : Drywell 3-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
507	39	>75% Grass cover, Good, HSG A
507		100.00% Pervious Area

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

Subcatchment P3-19: Drywell 3-4



Summary for Subcatchment P3-2: Building B

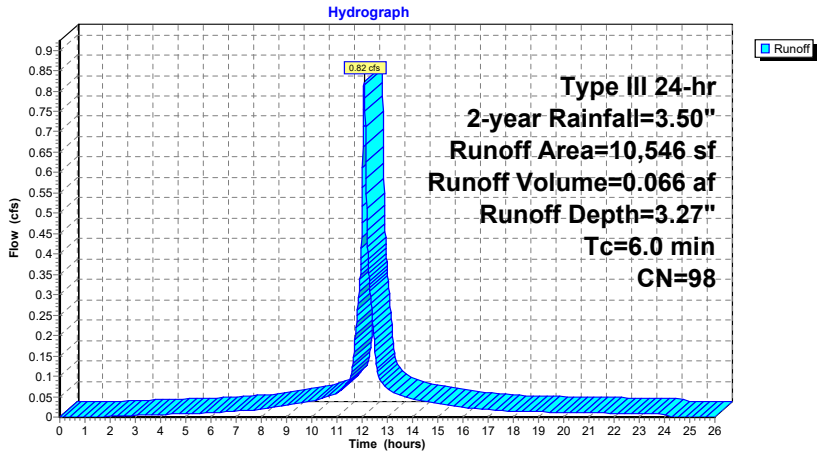
Runoff = 0.82 cfs @ 12.08 hrs, Volume= 0.066 af, Depth= 3.27"
Routed to Pond 2P : MC-3500 Underground Infiltration System 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
10,546	98	Roofs, HSG A
10,546		100.00% Impervious Area

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

Subcatchment P3-2: Building B



Summary for Subcatchment P3-20: Drywell 3-5

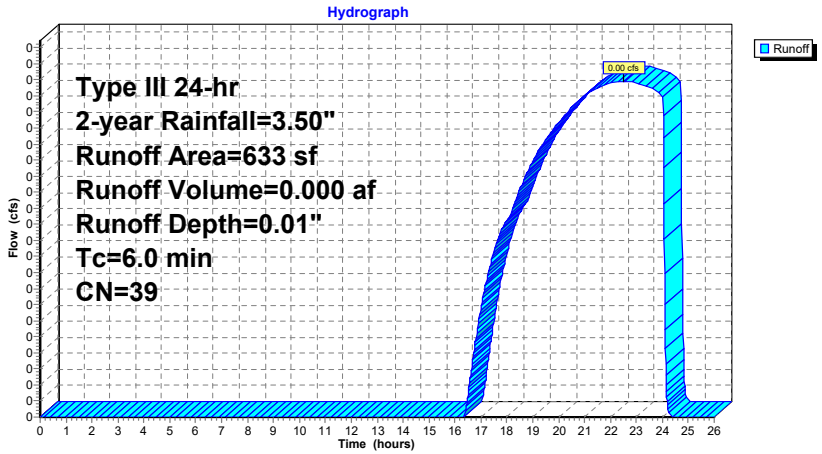
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 12P : Drywell 3-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
633	39	>75% Grass cover, Good, HSG A
633		100.00% Pervious Area

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

Subcatchment P3-20: Drywell 3-5



Summary for Subcatchment P3-21: Drywell 3-6

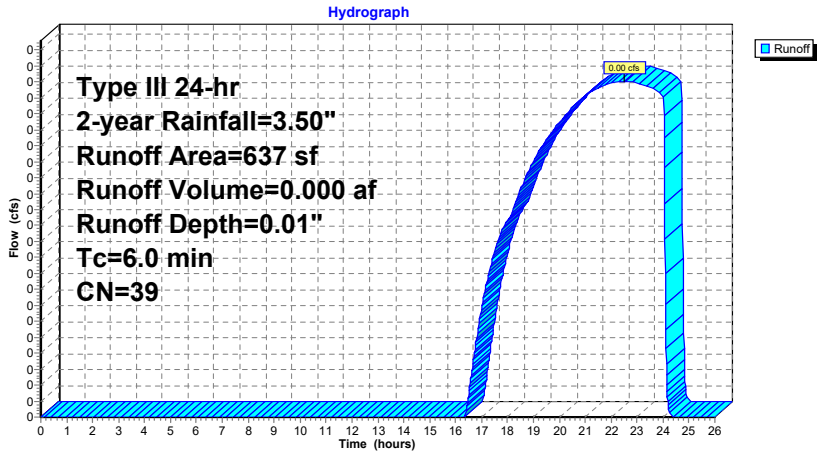
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 13P : Drywell 3-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
637	39	>75% Grass cover, Good, HSG A
637		100.00% Pervious Area

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

Subcatchment P3-21: Drywell 3-6



Summary for Subcatchment P3-22: Drywell 3-7

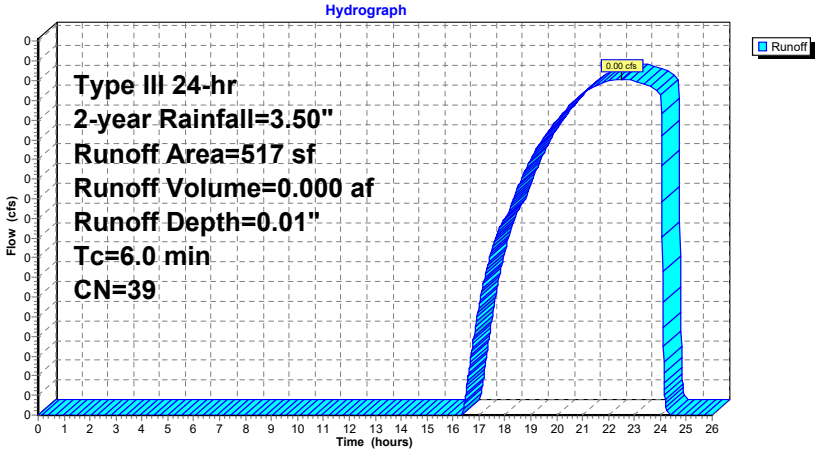
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 14P : Drywell 3-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
517	39	>75% Grass cover, Good, HSG A
517		100.00% Pervious Area

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

Subcatchment P3-22: Drywell 3-7



Summary for Subcatchment P3-23: Drywell 3-8

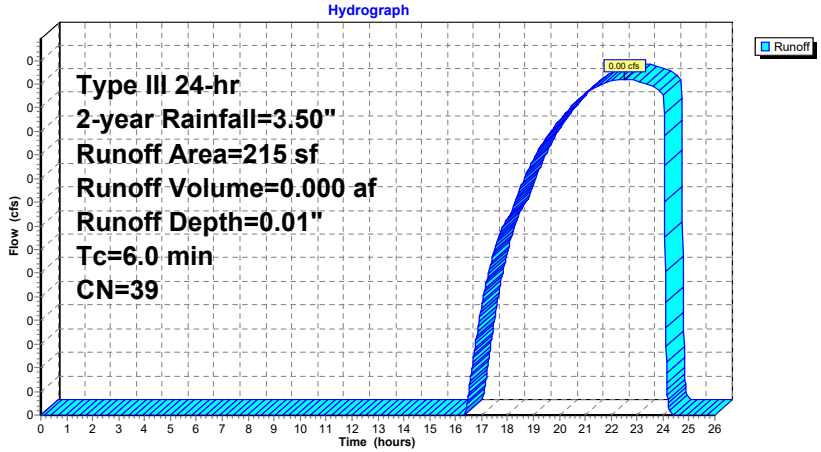
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 15P : Drywell 3-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
215	39	>75% Grass cover, Good, HSG A
215		100.00% Pervious Area

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

Subcatchment P3-23: Drywell 3-8



Summary for Subcatchment P3-24: Drywell 1-1

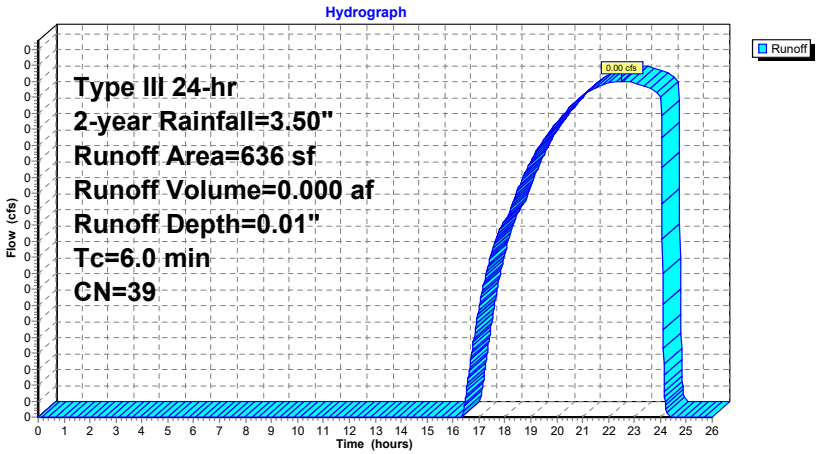
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 16P : Drywell 1-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
636	39	>75% Grass cover, Good, HSG A
636		100.00% Pervious Area

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

Subcatchment P3-24: Drywell 1-1



Summary for Subcatchment P3-25: Drywell 1-2

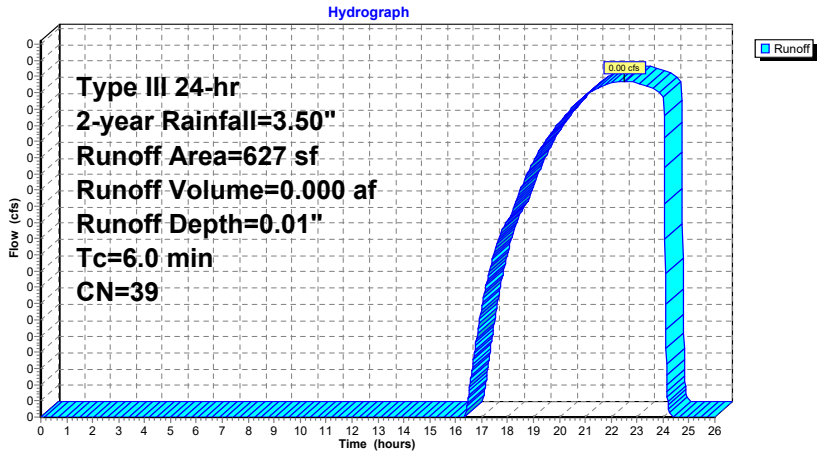
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 17P : Drywell 1-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
627	39	>75% Grass cover, Good, HSG A
627		100.00% Pervious Area

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

Subcatchment P3-25: Drywell 1-2



Summary for Subcatchment P3-26: Drywell 1-3

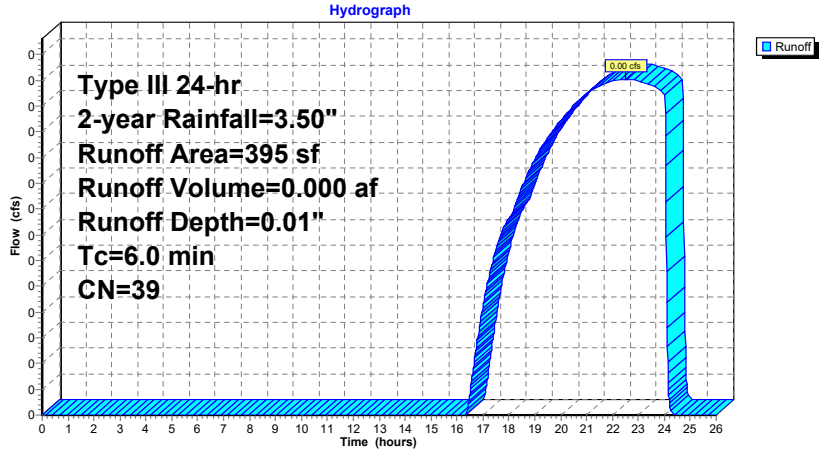
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 18P : Drywell 1-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
395	39	>75% Grass cover, Good, HSG A
395		100.00% Pervious Area

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

Subcatchment P3-26: Drywell 1-3



Summary for Subcatchment P3-27: Drywell 1-4

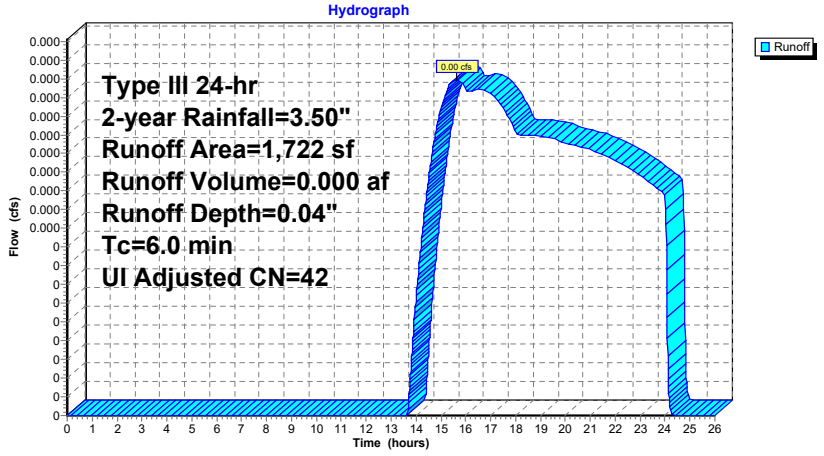
Runoff = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af, Depth= 0.04"
Routed to Pond 19P : Drywell 1-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
1,575	39		>75% Grass cover, Good, HSG A
147	98		Unconnected pavement, HSG A
1,722	44	42	Weighted Average, UI Adjusted
1,575			91.46% Pervious Area
147			8.54% Impervious Area
147			100.00% Unconnected

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

Subcatchment P3-27: Drywell 1-4



Summary for Subcatchment P3-28: Drywell 1-5

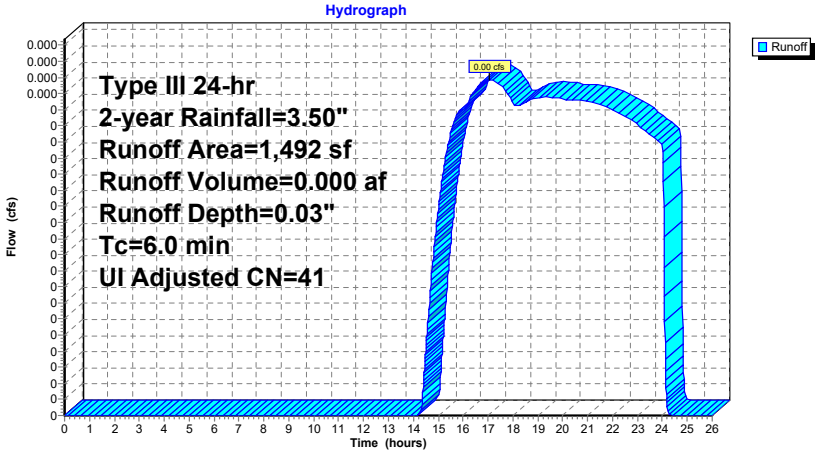
Runoff = 0.00 cfs @ 17.06 hrs, Volume= 0.000 af, Depth= 0.03"
Routed to Pond 20P : Drywell 1-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
1,368	39		>75% Grass cover, Good, HSG A
124	98		Unconnected pavement, HSG A
1,492	44	41	Weighted Average, UI Adjusted
1,368			91.69% Pervious Area
124			8.31% Impervious Area
124			100.00% Unconnected

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

Subcatchment P3-28: Drywell 1-5



Summary for Subcatchment P3-29: Drywell 1-6

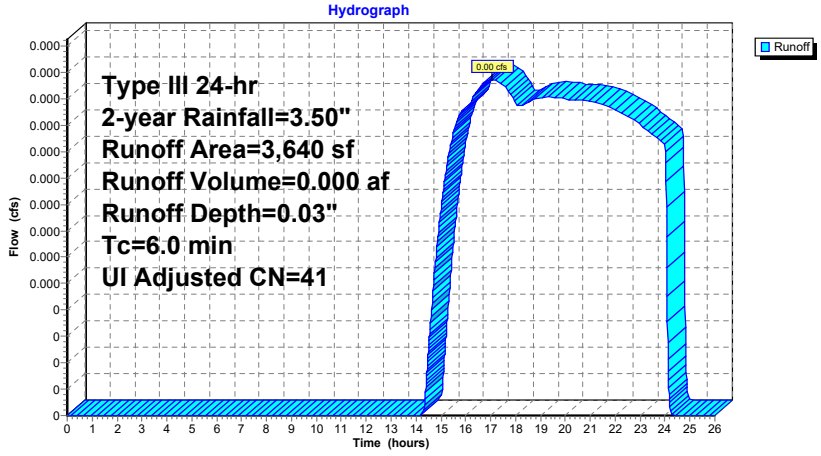
Runoff = 0.00 cfs @ 17.06 hrs, Volume= 0.000 af, Depth= 0.03"
Routed to Pond 21P : Drywell 1-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
3,419	39		>75% Grass cover, Good, HSG A
221	98		Unconnected pavement, HSG A
3,640	43	41	Weighted Average, UI Adjusted
3,419			93.93% Pervious Area
221			6.07% Impervious Area
221			100.00% Unconnected

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

Subcatchment P3-29: Drywell 1-6



Summary for Subcatchment P3-3: Building E

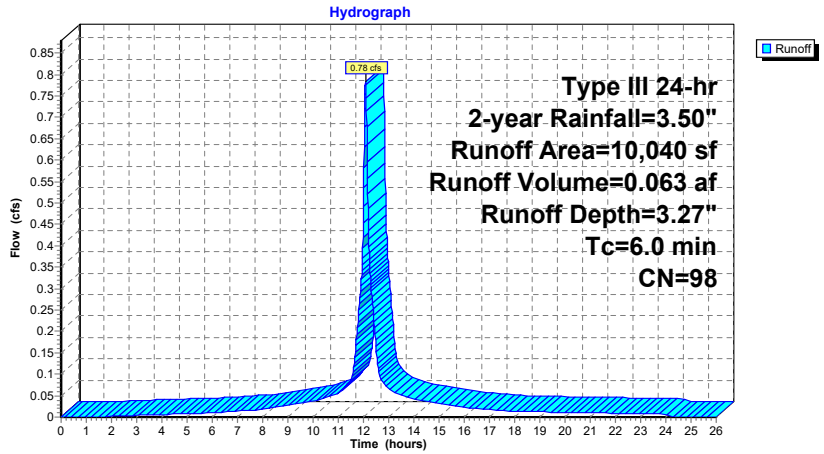
Runoff = 0.78 cfs @ 12.08 hrs, Volume= 0.063 af, Depth= 3.27"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
10,040	98	Roofs, HSG A
10,040		100.00% Impervious Area

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

Subcatchment P3-3: Building E



Summary for Subcatchment P3-30: Drywell 1-7

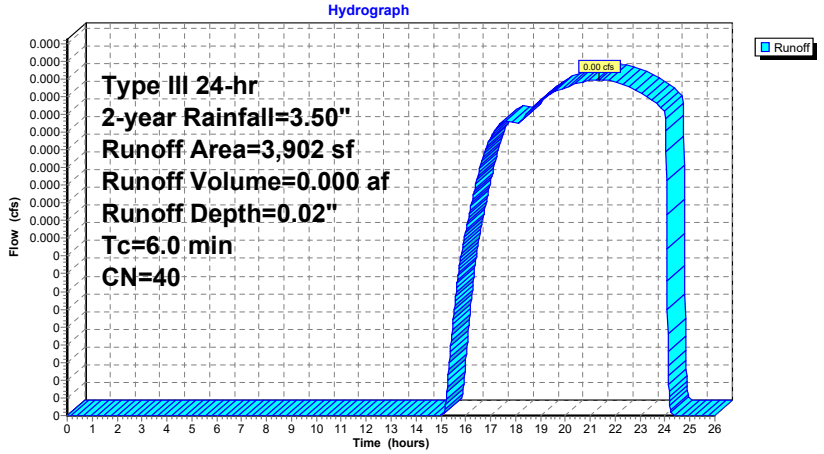
Runoff = 0.00 cfs @ 21.34 hrs, Volume= 0.000 af, Depth= 0.02"
Routed to Pond 22P : Drywell 1-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
3,829	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
3,902	40	Weighted Average
3,829		98.13% Pervious Area
73		1.87% Impervious Area

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

Subcatchment P3-30: Drywell 1-7



Summary for Subcatchment P3-31: Drywell 1-8

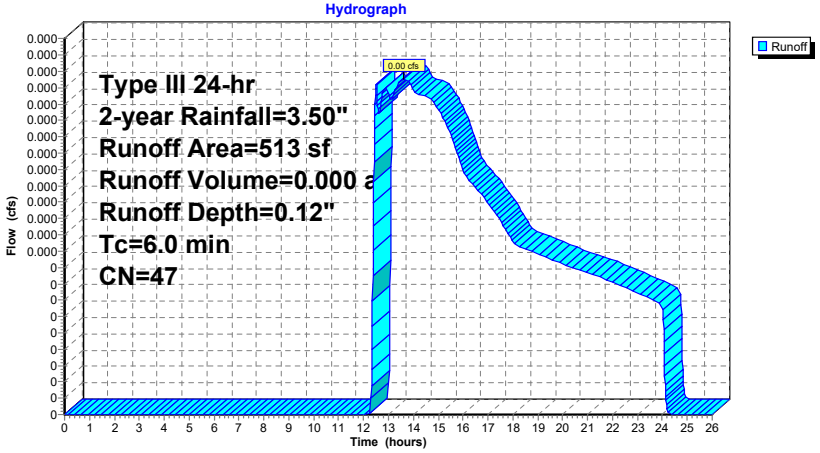
Runoff = 0.00 cfs @ 13.62 hrs, Volume= 0.000 af, Depth= 0.12"
Routed to Pond 23P : Drywell 1-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
440	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
513	47	Weighted Average
440		85.77% Pervious Area
73		14.23% Impervious Area

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

Subcatchment P3-31: Drywell 1-8



Summary for Subcatchment P3-32: Drywell 1-9

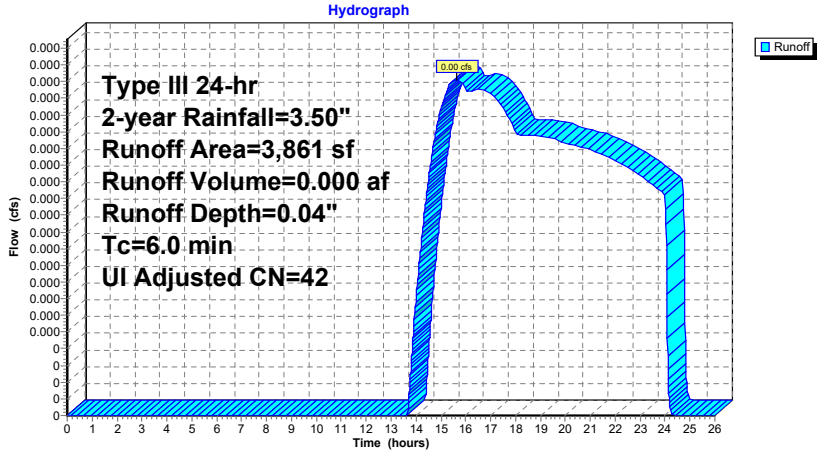
Runoff = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af, Depth= 0.04"
Routed to Pond 24P : Drywell 1-9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
3,462	39		>75% Grass cover, Good, HSG A
399	98		Unconnected pavement, HSG A
3,861	45	42	Weighted Average, UI Adjusted
3,462			89.67% Pervious Area
399			10.33% Impervious Area
399			100.00% Unconnected

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

Subcatchment P3-32: Drywell 1-9



Summary for Subcatchment P3-33: Drywell 1-10

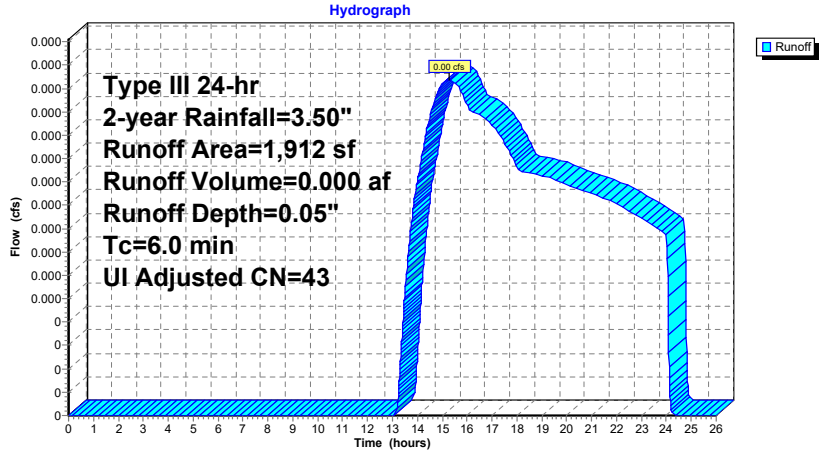
Runoff = 0.00 cfs @ 15.30 hrs, Volume= 0.000 af, Depth= 0.05"
Routed to Pond 25P : Drywell 1-10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
1,674	39		>75% Grass cover, Good, HSG A
238	98		Unconnected pavement, HSG A
1,912	46	43	Weighted Average, UI Adjusted
1,674			87.55% Pervious Area
238			12.45% Impervious Area
238			100.00% Unconnected

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

Subcatchment P3-33: Drywell 1-10



Summary for Subcatchment P3-34: Drywell 1-11

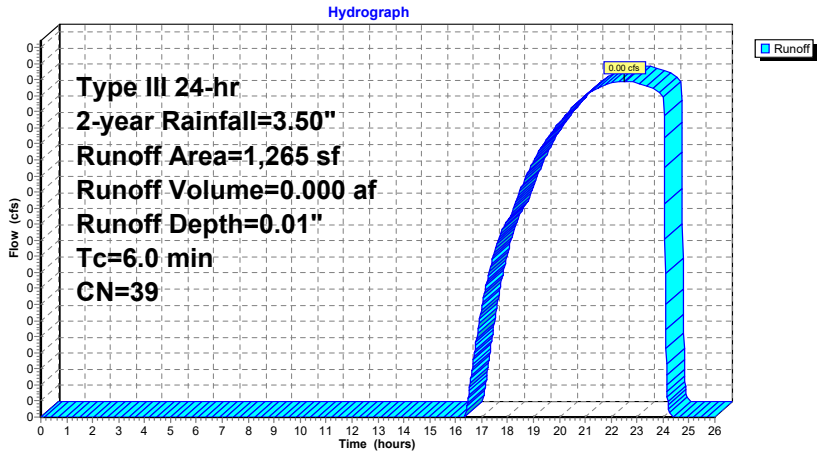
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 26P : Drywell 1-11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
1,265	39	>75% Grass cover, Good, HSG A
1,265		100.00% Pervious Area

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

Subcatchment P3-34: Drywell 1-11



Summary for Subcatchment P3-35: Drywell 1-12

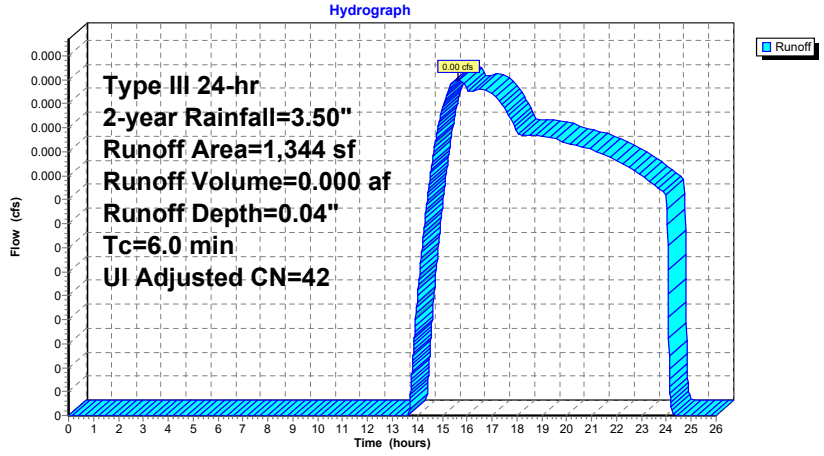
Runoff = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af, Depth= 0.04"
Routed to Pond 27P : Drywell 1-12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
1,217	39		>75% Grass cover, Good, HSG A
127	98		Unconnected pavement, HSG A
1,344	45	42	Weighted Average, UI Adjusted
1,217			90.55% Pervious Area
127			9.45% Impervious Area
127			100.00% Unconnected

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

Subcatchment P3-35: Drywell 1-12



Summary for Subcatchment P3-36: Drywell 1-13

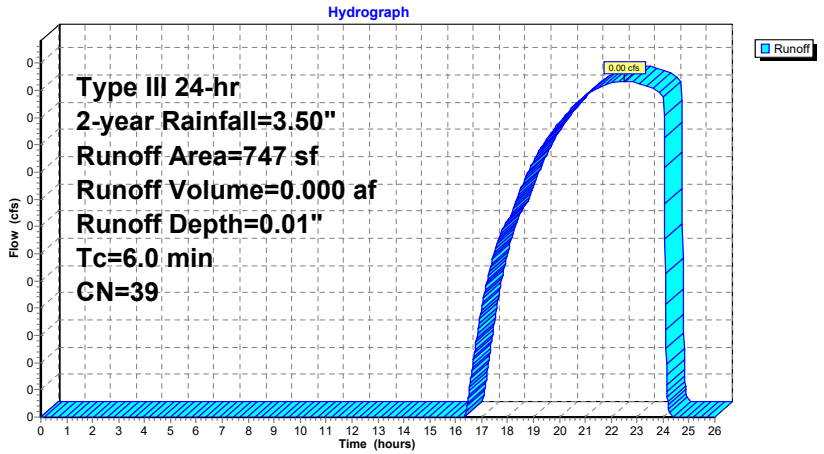
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 28P : Drywell 1-13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
747	39	>75% Grass cover, Good, HSG A
747		100.00% Pervious Area

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

Subcatchment P3-36: Drywell 1-13



Summary for Subcatchment P3-37: Drywell 1-14

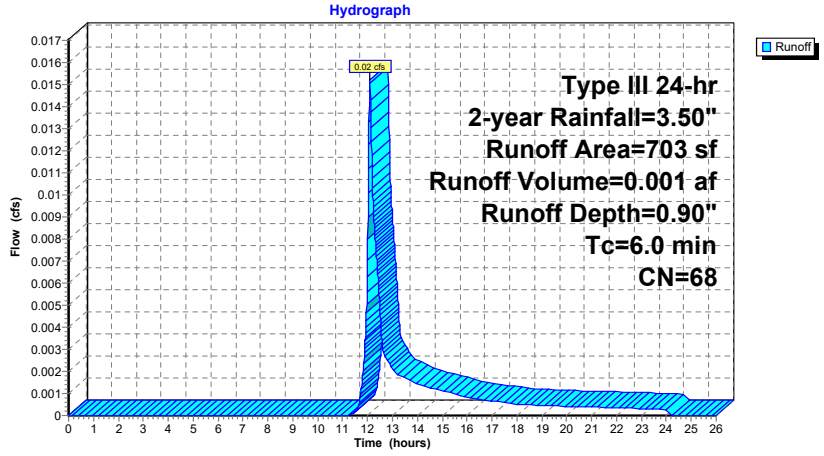
Runoff = 0.02 cfs @ 12.10 hrs, Volume= 0.001 af, Depth= 0.90"
Routed to Pond 29P : Drywell 1-14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
362	39	>75% Grass cover, Good, HSG A
341	98	Unconnected pavement, HSG A
703	68	Weighted Average
362		51.49% Pervious Area
341		48.51% Impervious Area
341		100.00% Unconnected

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

Subcatchment P3-37: Drywell 1-14



Summary for Subcatchment P3-38: Drywell 1-15

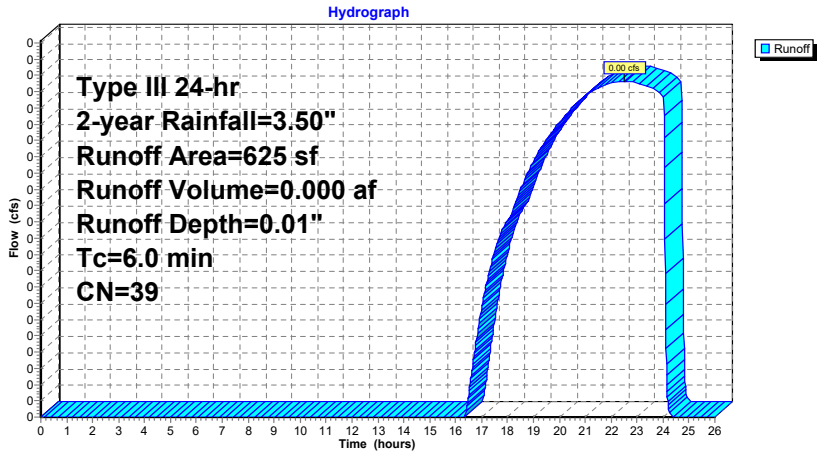
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 30P : Drywell 1-15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
625	39	>75% Grass cover, Good, HSG A
625		100.00% Pervious Area

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

Subcatchment P3-38: Drywell 1-15



Summary for Subcatchment P3-39: Drywell 1-16

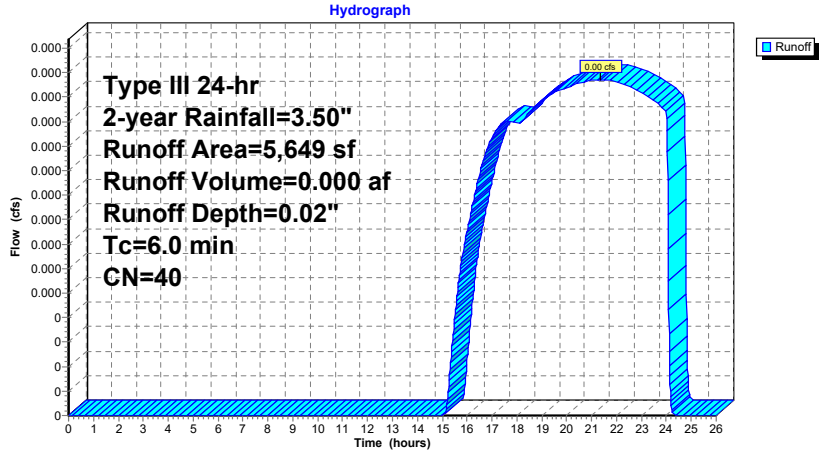
Runoff = 0.00 cfs @ 21.34 hrs, Volume= 0.000 af, Depth= 0.02"
Routed to Pond 31P : Drywell 1-16

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
5,520	39	>75% Grass cover, Good, HSG A
129	98	Unconnected pavement, HSG A
5,649	40	Weighted Average
5,520		97.72% Pervious Area
129		2.28% Impervious Area
129		100.00% Unconnected

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

Subcatchment P3-39: Drywell 1-16



Summary for Subcatchment P3-4: Building F

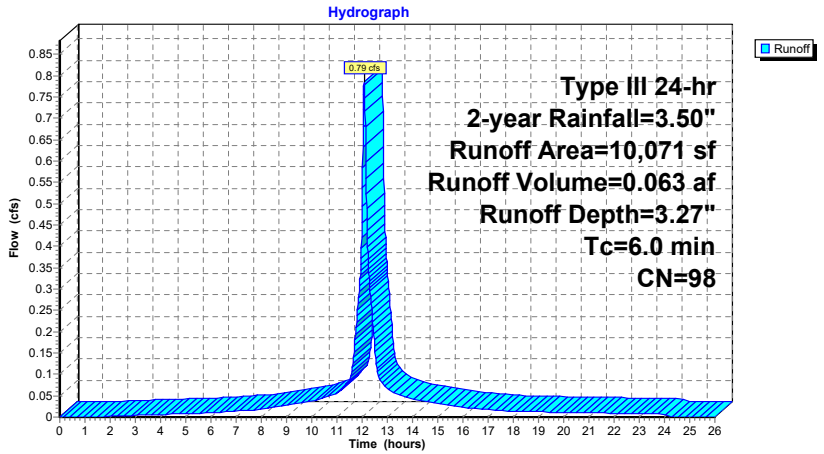
Runoff = 0.79 cfs @ 12.08 hrs, Volume= 0.063 af, Depth= 3.27"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
10,071	98	Roofs, HSG A
10,071		100.00% Impervious Area

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

Subcatchment P3-4: Building F



Summary for Subcatchment P3-40: Drywell 2-1

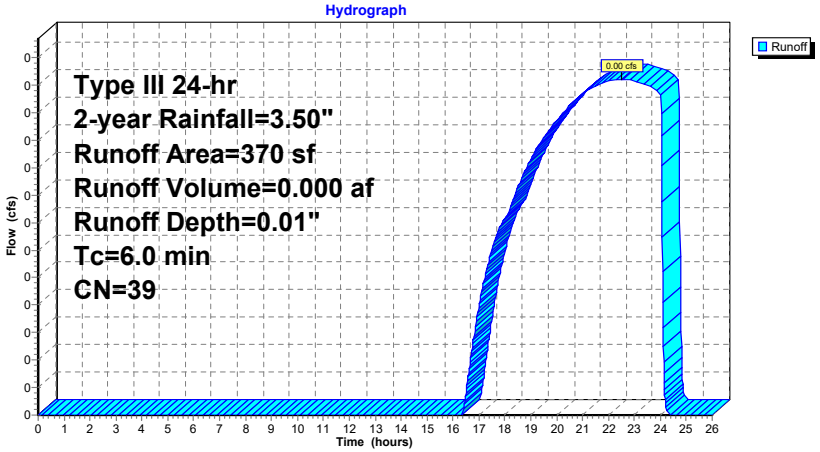
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 32P : Drywell 2-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
370	39	>75% Grass cover, Good, HSG A
370		100.00% Pervious Area

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

Subcatchment P3-40: Drywell 2-1



Summary for Subcatchment P3-41: Drywell 2-2

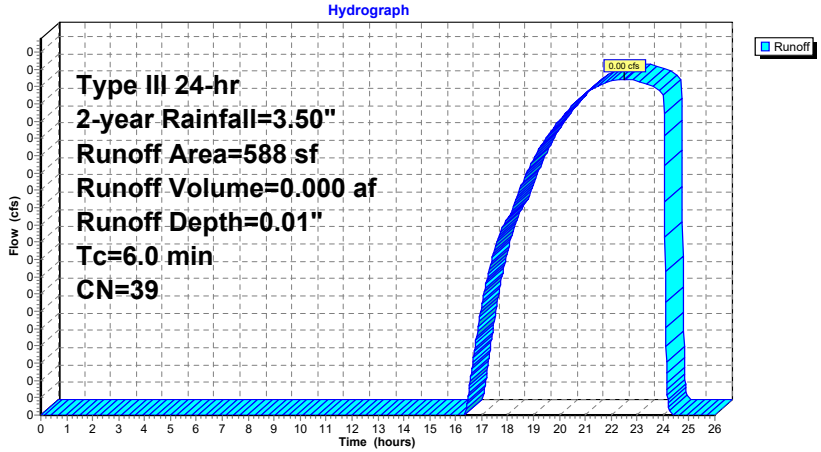
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 33P : Drywell 2-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
588	39	>75% Grass cover, Good, HSG A
588		100.00% Pervious Area

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

Subcatchment P3-41: Drywell 2-2



Summary for Subcatchment P3-42: Drywell 2-3

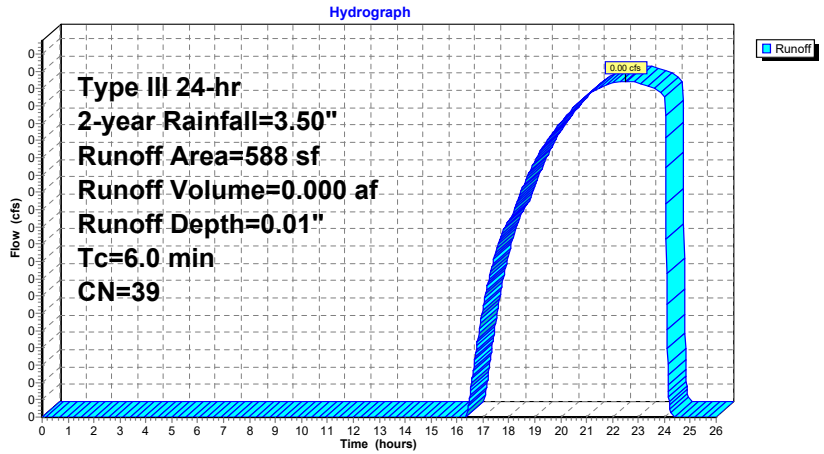
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 35P : Drywell 2-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
588	39	>75% Grass cover, Good, HSG A
588		100.00% Pervious Area

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

Subcatchment P3-42: Drywell 2-3



Summary for Subcatchment P3-43: Drywell 2-4

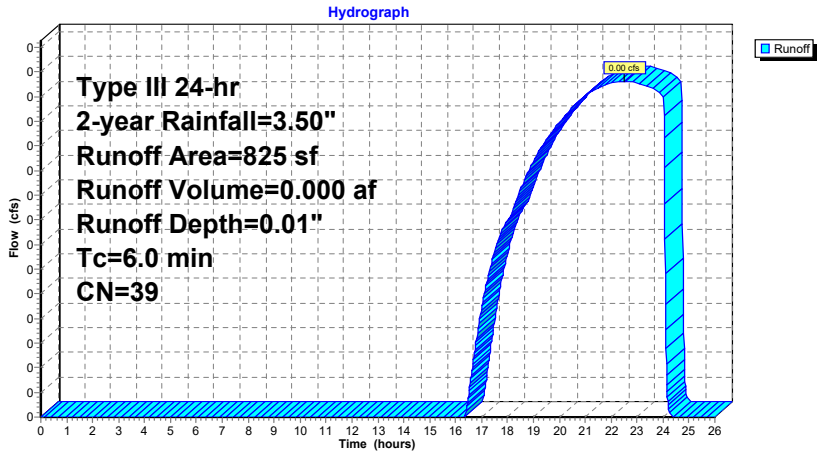
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 34P : Drywell 2-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
825	39	>75% Grass cover, Good, HSG A
825		100.00% Pervious Area

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

Subcatchment P3-43: Drywell 2-4



Summary for Subcatchment P3-44: Drywell 2-5

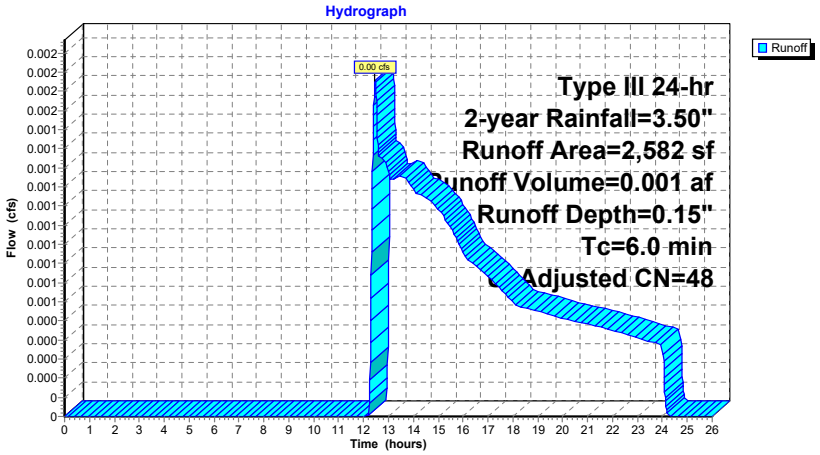
Runoff = 0.00 cfs @ 12.47 hrs, Volume= 0.001 af, Depth= 0.15"
Routed to Pond 36P : Drywell 2-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
1,941	39		>75% Grass cover, Good, HSG A
495	98		Unconnected pavement, HSG A
146	98		Roofs, HSG A
2,582	54	48	Weighted Average, UI Adjusted
1,941			75.17% Pervious Area
641			24.83% Impervious Area
495			77.22% Unconnected

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

Subcatchment P3-44: Drywell 2-5



Summary for Subcatchment P3-45: Drywell 2-6

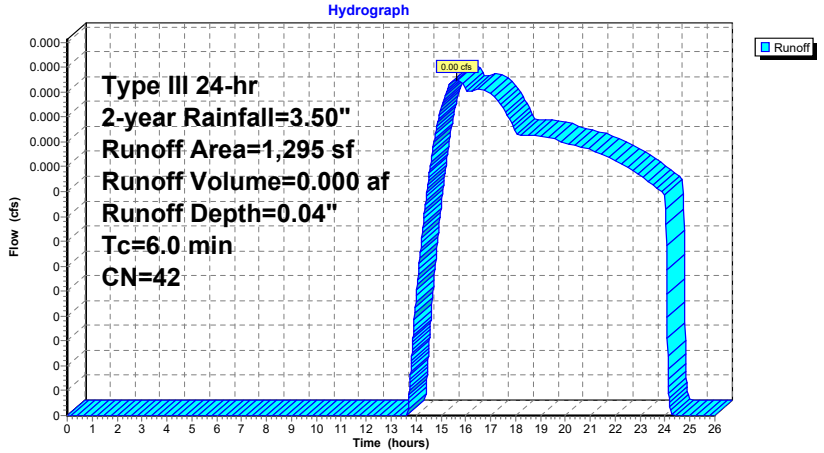
Runoff = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af, Depth= 0.04"
Routed to Pond 37P : Drywell 2-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
1,222	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
1,295	42	Weighted Average
1,222		94.36% Pervious Area
73		5.64% Impervious Area

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

Subcatchment P3-45: Drywell 2-6



Summary for Subcatchment P3-46: Drywell 2-7

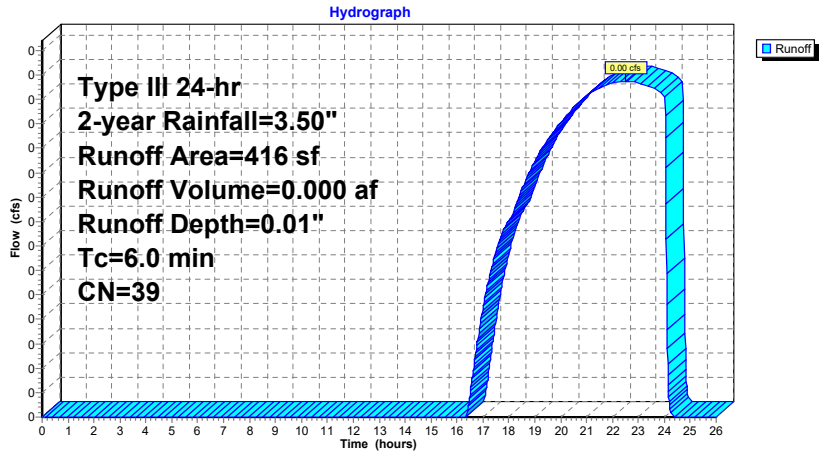
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 38P : Drywell 2-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
416	39	>75% Grass cover, Good, HSG A
416		100.00% Pervious Area

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

Subcatchment P3-46: Drywell 2-7



Summary for Subcatchment P3-47: Drywell 2-12

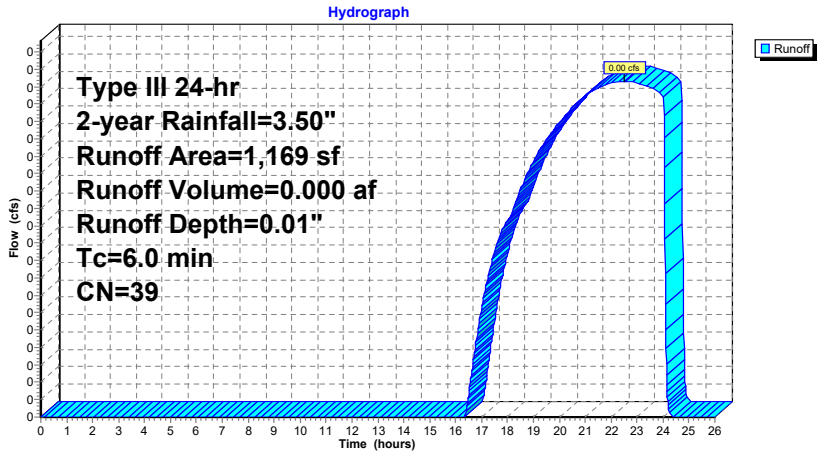
Runoff = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Depth= 0.01"
Routed to Pond 39P : Drywell 2-12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
1,169	39	>75% Grass cover, Good, HSG A
1,169		100.00% Pervious Area

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

Subcatchment P3-47: Drywell 2-12



Summary for Subcatchment P3-48: Drywell 2-11

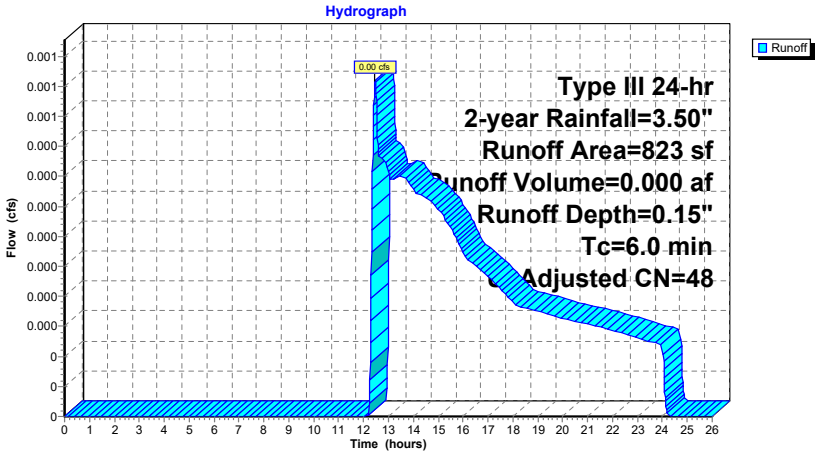
Runoff = 0.00 cfs @ 12.47 hrs, Volume= 0.000 af, Depth= 0.15"
Routed to Pond 40P : Drywell 2-11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Adj	Description
638	39		>75% Grass cover, Good, HSG A
112	98		Unconnected pavement, HSG A
73	98		Roofs, HSG A
823	52	48	Weighted Average, UI Adjusted
638			77.52% Pervious Area
185			22.48% Impervious Area
112			60.54% Unconnected

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

Subcatchment P3-48: Drywell 2-11



Summary for Subcatchment P3-49: Drywell 2-10

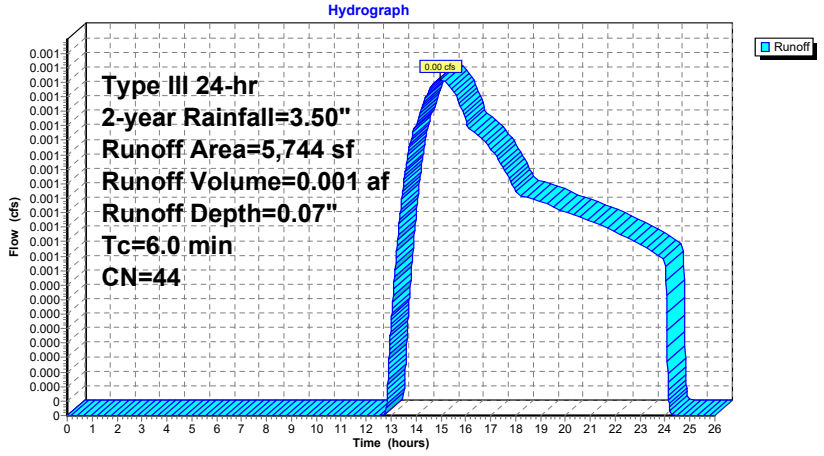
Runoff = 0.00 cfs @ 14.98 hrs, Volume= 0.001 af, Depth= 0.07"
Routed to Pond 41P : Drywell 2-10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

	Area (sf)	CN	Description
	5,259	39	>75% Grass cover, Good, HSG A
*	412	98	Stone Dust Walk, HSG A
	73	98	Roofs, HSG A
	5,744	44	Weighted Average
	5,259		91.56% Pervious Area
	485		8.44% Impervious Area

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

Subcatchment P3-49: Drywell 2-10



Summary for Subcatchment P3-5: Building D

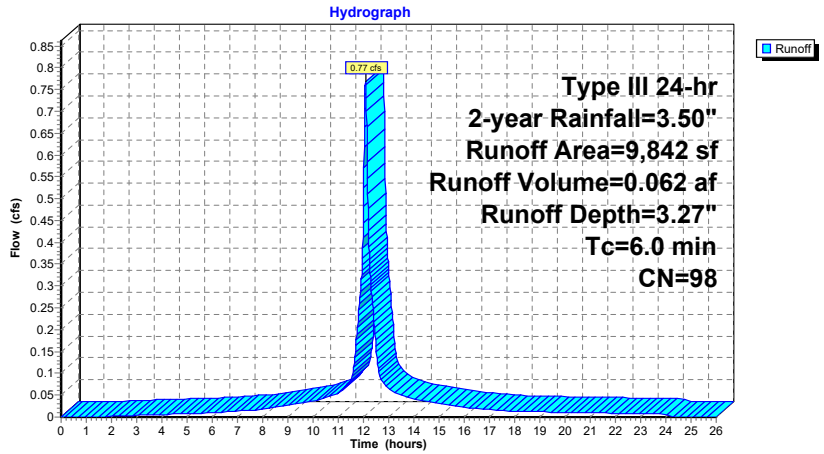
Runoff = 0.77 cfs @ 12.08 hrs, Volume= 0.062 af, Depth= 3.27"
Routed to Pond 4P : MC-3500 Underground Infiltration System 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
9,842	98	Roofs, HSG A
9,842		100.00% Impervious Area

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

Subcatchment P3-5: Building D



Summary for Subcatchment P3-50: Drywell 2-9

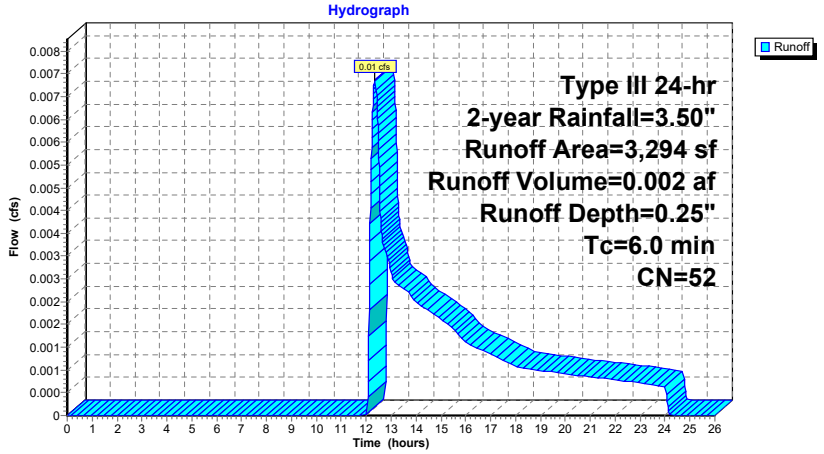
Runoff = 0.01 cfs @ 12.35 hrs, Volume= 0.002 af, Depth= 0.25"
Routed to Pond 42P : Drywell 2-9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

	Area (sf)	CN	Description
	2,552	39	>75% Grass cover, Good, HSG A
*	596	98	Stone Dust Walk, HSG A
	146	98	Roofs, HSG A
	3,294	52	Weighted Average
	2,552		77.47% Pervious Area
	742		22.53% Impervious Area

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

Subcatchment P3-50: Drywell 2-9



Summary for Subcatchment P3-51: Drywell 2-8

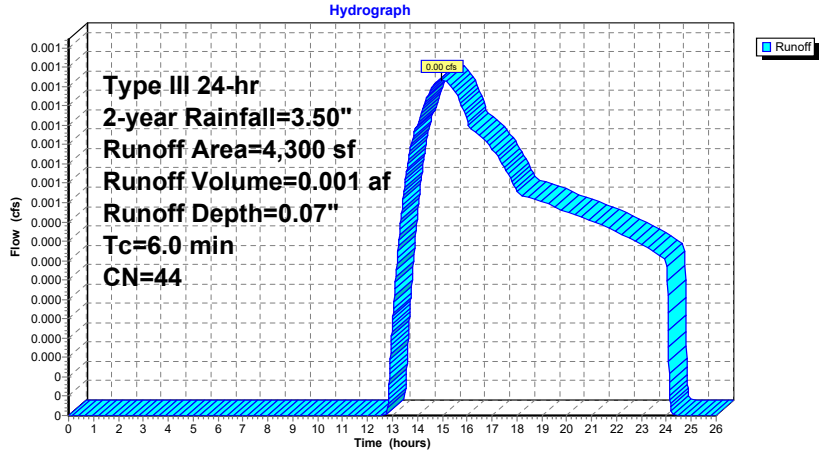
Runoff = 0.00 cfs @ 14.98 hrs, Volume= 0.001 af, Depth= 0.07"
Routed to Pond 43P : Drywell 2-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

	Area (sf)	CN	Description
	3,933	39	>75% Grass cover, Good, HSG A
*	221	98	Stone Dust Walk, HSG A
	146	98	Roofs, HSG A
	4,300	44	Weighted Average
	3,933		91.47% Pervious Area
	367		8.53% Impervious Area

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

Subcatchment P3-51: Drywell 2-8



Summary for Subcatchment P3-6: Community Building

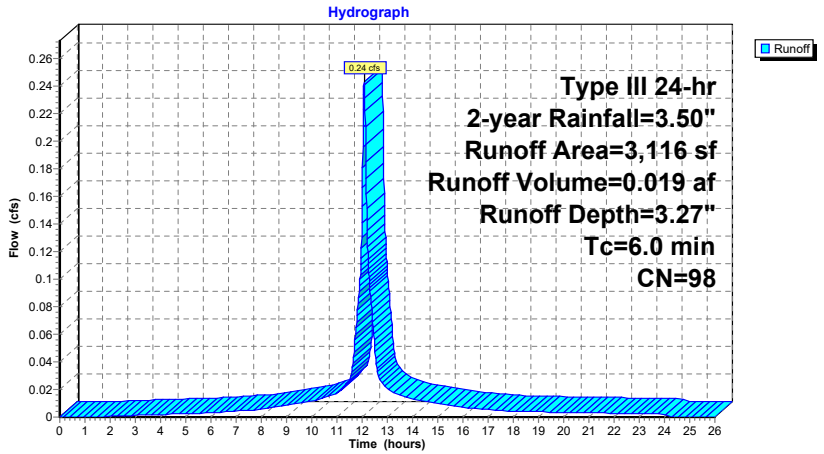
Runoff = 0.24 cfs @ 12.08 hrs, Volume= 0.019 af, Depth= 3.27"
Routed to Pond 5P : MC-3500 Underground Infiltration System 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
3,116	98	Roofs, HSG A
3,116		100.00% Impervious Area

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

Subcatchment P3-6: Community Building



Summary for Subcatchment P3-7: Building A and B Parking

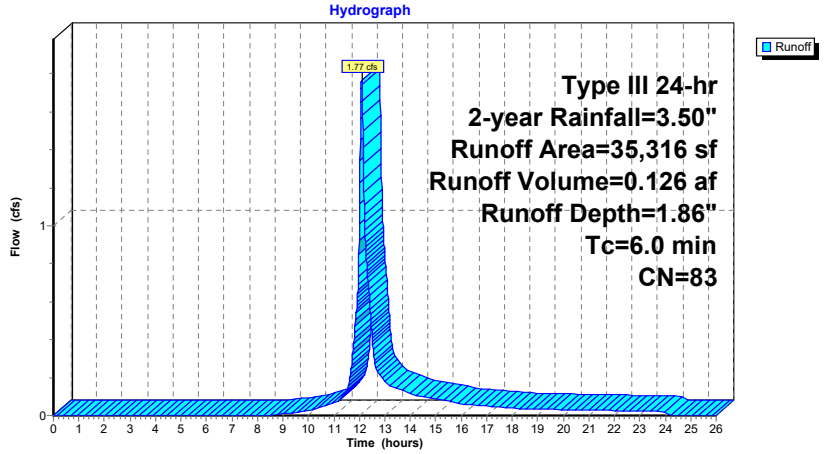
Runoff = 1.77 cfs @ 12.09 hrs, Volume= 0.126 af, Depth= 1.86"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

	Area (sf)	CN	Description
	26,290	98	Paved parking, HSG A
	8,717	39	>75% Grass cover, Good, HSG A
*	309	98	Stone Dust, HSG A
	35,316	83	Weighted Average
	8,717		24.68% Pervious Area
	26,599		75.32% Impervious Area

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

Subcatchment P3-7: Building A and B Parking



Summary for Subcatchment P3-8: Building E Parking

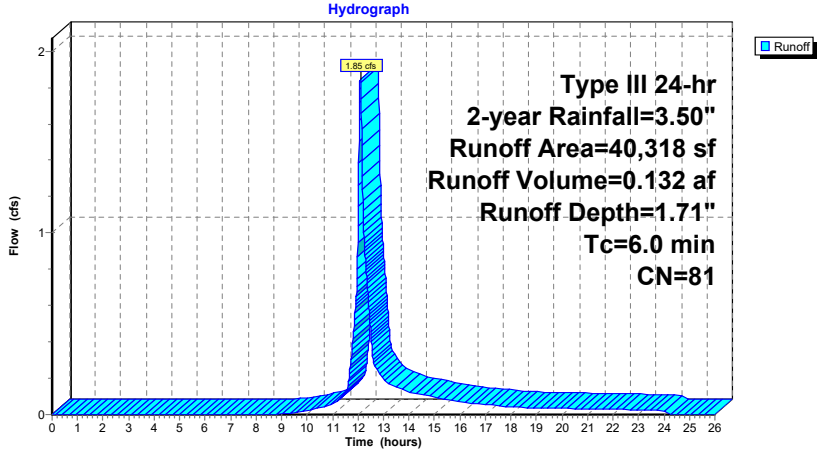
Runoff = 1.85 cfs @ 12.09 hrs, Volume= 0.132 af, Depth= 1.71"
Routed to Pond 3P : MC-4500 Underground Infiltration System 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
28,898	98	Paved parking, HSG A
11,420	39	>75% Grass cover, Good, HSG A
40,318	81	Weighted Average
11,420		28.32% Pervious Area
28,898		71.68% Impervious Area

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

Subcatchment P3-8: Building E Parking



Summary for Subcatchment P3-9: Building F Parking

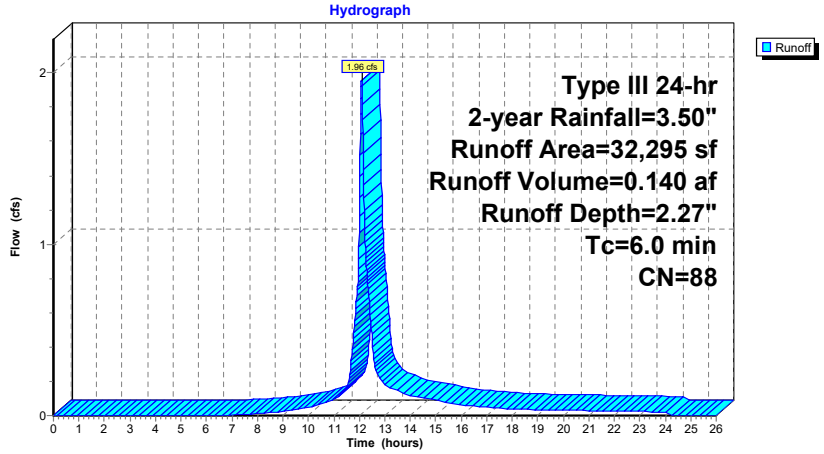
Runoff = 1.96 cfs @ 12.09 hrs, Volume= 0.140 af, Depth= 2.27"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 2-year Rainfall=3.50"

Area (sf)	CN	Description
26,810	98	Paved parking, HSG A
5,485	39	>75% Grass cover, Good, HSG A
32,295	88	Weighted Average
5,485		16.98% Pervious Area
26,810		83.02% Impervious Area

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

Subcatchment P3-9: Building F Parking

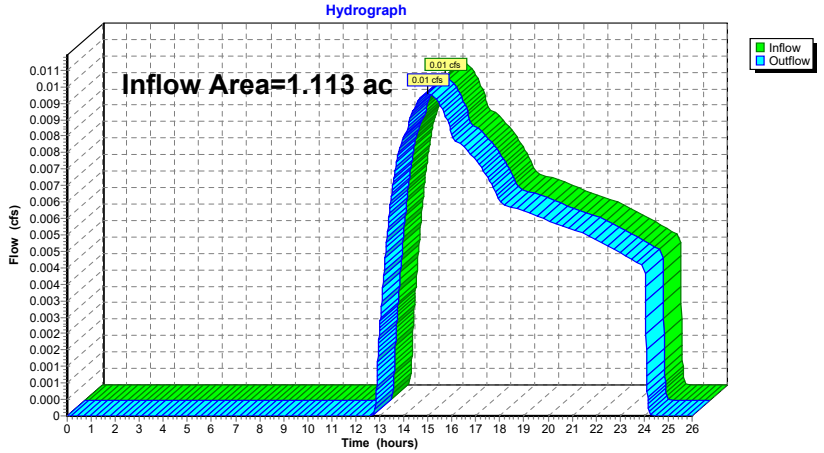


Summary for Reach 1R: Flow Towards Route 6 and Red Brook Rd

Inflow Area = 1.113 ac, 8.97% Impervious, Inflow Depth = 0.07" for 2-year event
Inflow = 0.01 cfs @ 14.98 hrs, Volume= 0.006 af
Outflow = 0.01 cfs @ 14.98 hrs, Volume= 0.006 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 1R: Flow Towards Route 6 and Red Brook Rd

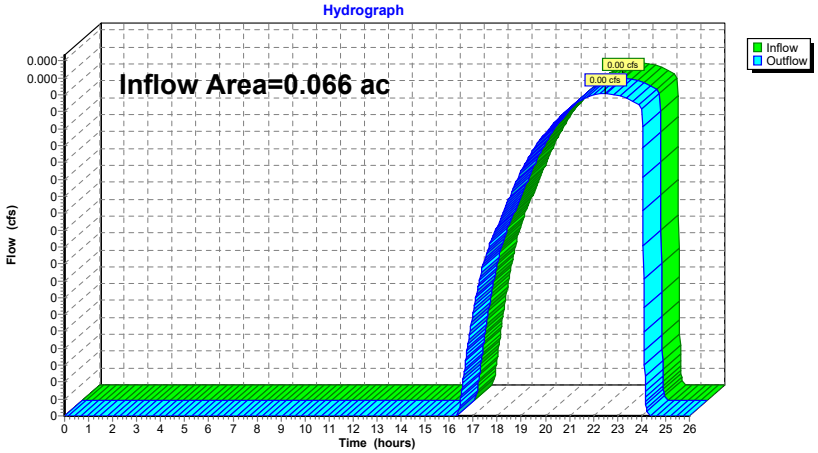


Summary for Reach 2R: Flow to East Perimeter

Inflow Area = 0.066 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 2R: Flow to East Perimeter

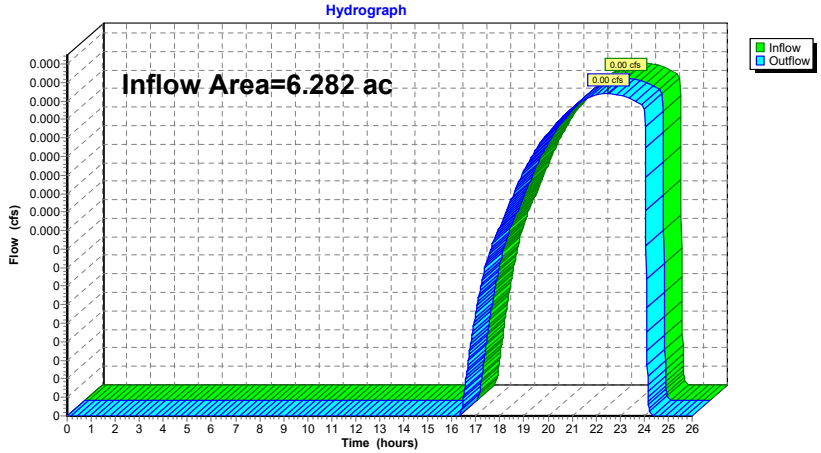


Summary for Reach 3R: Flow to North Perimeter

Inflow Area = 6.282 ac, 61.37% Impervious, Inflow Depth = 0.00" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 3R: Flow to North Perimeter



Summary for Reach 4R: WQ Swale

Inflow Area = 0.390 ac, 39.46% Impervious, Inflow Depth = 0.62" for 2-year event
Inflow = 0.21 cfs @ 12.11 hrs, Volume= 0.020 af
Outflow = 0.21 cfs @ 12.13 hrs, Volume= 0.020 af, Atten= 1%, Lag= 1.3 min
Routed to Pond 8P : Drywell 3-1

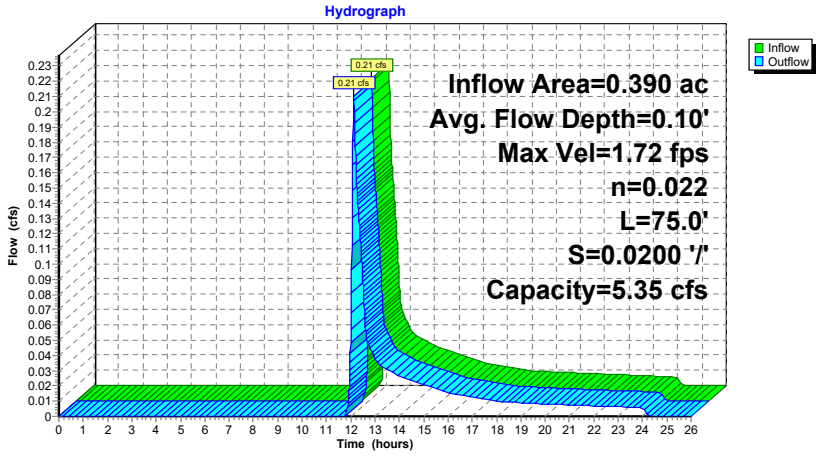
Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Max. Velocity= 1.72 fps, Min. Travel Time= 0.7 min
Avg. Velocity = 0.67 fps, Avg. Travel Time= 1.9 min

Peak Storage= 9 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 1.57'
Bank-Full Depth= 0.50' Flow Area= 1.3 sf, Capacity= 5.35 cfs

1.00' x 0.50' deep channel, n= 0.022 Earth, clean & straight
Side Slope Z-value= 3.0 '/' Top Width= 4.00'
Length= 75.0' Slope= 0.0200 '/'
Inlet Invert= 77.91', Outlet Invert= 76.41'

‡

Reach 4R: WQ Swale

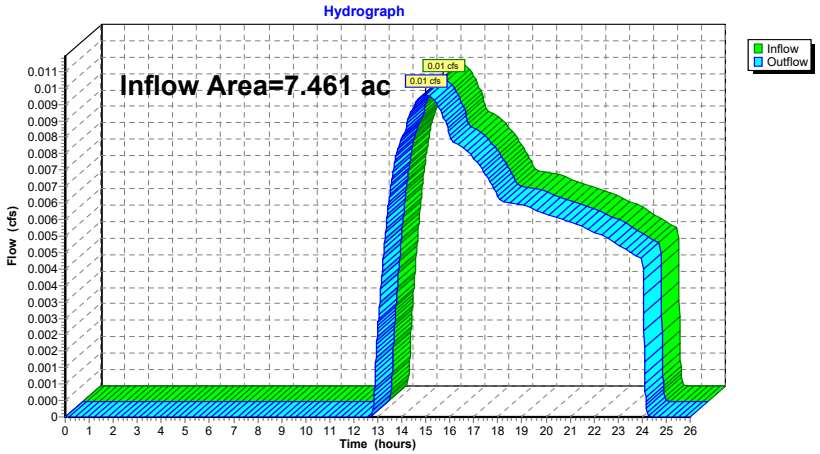


Summary for Reach TS: Total Site

Inflow Area = 7.461 ac, 53.01% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.01 cfs @ 14.98 hrs, Volume= 0.006 af
Outflow = 0.01 cfs @ 14.98 hrs, Volume= 0.006 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach TS: Total Site



Summary for Pond 1P: MC-4500 Underground Infiltration System 1

Inflow Area = 6.007 ac, 64.18% Impervious, Inflow Depth = 0.99" for 2-year event
Inflow = 6.63 cfs @ 12.09 hrs, Volume= 0.496 af
Outflow = 2.27 cfs @ 12.38 hrs, Volume= 0.496 af, Atten= 66%, Lag= 17.5 min
Discarded = 2.27 cfs @ 12.38 hrs, Volume= 0.496 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 6P : Bio-Retention Area

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 64.04' @ 12.38 hrs Surf.Area= 5,779 sf Storage= 3,176 cf
Flood Elev= 69.75' Surf.Area= 5,779 sf Storage= 25,083 cf

Plug-Flow detention time= 6.9 min calculated for 0.496 af (100% of inflow)
Center-of-Mass det. time= 6.9 min (813.1 - 806.2)

Volume	Invert	Avail.Storage	Storage Description
#1A	63.00'	9,285 cf	**46.67'W x 123.84'L x 6.75'H Field A** 39,010 cf Overall - 15,798 cf Embedded = 23,212 cf x 40.0% Voids
#2A	63.75'	15,798 cf	**ADS_StormTech MC-4500 +Cap** x 145 Inside #1 Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap 145 Chambers in 5 Rows Cap Storage= 35.7 cf x 2 x 5 rows = 357.0 cf
		25,083 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	63.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	66.72'	**12.0" Round Culvert** L= 50.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 66.72' / 66.47' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	68.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Discarded OutFlow Max=2.27 cfs @ 12.38 hrs HW=64.04' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 2.27 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=63.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)
↑**3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 1P: MC-4500 Underground Infiltration System 1 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-4500 +Cap (ADS StormTech®MC-4500 with cap, use MC-4500 b for new designs)
Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf
Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap
Cap Storage= 35.7 cf x 2 x 5 rows = 357.0 cf

100.0" Wide + 9.0" Spacing = 109.0" C-C Row Spacing

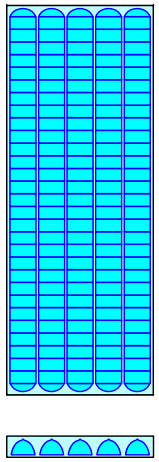
29 Chambers/Row x 4.02' Long +2.56' Cap Length x 2 = 121.84' Row Length +12.0" End Stone x 2 = 123.84' Base Length
5 Rows x 100.0" Wide + 9.0" Spacing x 4 + 12.0" Side Stone x 2 = 46.67' Base Width
9.0" Stone Base + 60.0" Chamber Height + 12.0" Stone Cover = 6.75' Field Height

145 Chambers x 106.5 cf + 35.7 cf Cap Volume x 2 x 5 Rows = 15,798.1 cf Chamber Storage

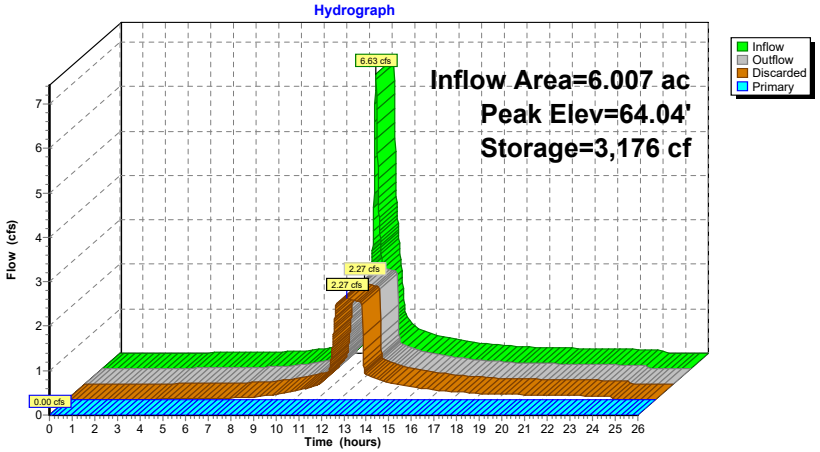
39,010.1 cf Field - 15,798.1 cf Chambers = 23,212.0 cf Stone x 40.0% Voids = 9,284.8 cf Stone Storage

Chamber Storage + Stone Storage = 25,082.9 cf = 0.576 af
Overall Storage Efficiency = 64.3%
Overall System Size = 123.84' x 46.67' x 6.75'

145 Chambers
1,444.8 cy Field
859.7 cy Stone



Pond 1P: MC-4500 Underground Infiltration System 1



Summary for Pond 2P: MC-3500 Underground Infiltration System 2

Inflow Area = 0.484 ac,100.00% Impervious, Inflow Depth = 3.27" for 2-year event
Inflow = 1.65 cfs @ 12.08 hrs, Volume= 0.132 af
Outflow = 0.54 cfs @ 12.37 hrs, Volume= 0.132 af, Atten= 68%, Lag= 17.2 min
Discarded = 0.54 cfs @ 12.37 hrs, Volume= 0.132 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 69.28' @ 12.37 hrs Surf.Area= 1,207 sf Storage= 892 cf
Flood Elev= 73.50' Surf.Area= 1,207 sf Storage= 4,013 cf

Plug-Flow detention time= 7.8 min calculated for 0.132 af (100% of inflow)
Center-of-Mass det. time= 7.8 min (762.4 - 754.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	68.00'	1,751 cf	**15.58'W x 77.47'L x 5.50'H Field A** 6,640 cf Overall - 2,261 cf Embedded = 4,378 cf x 40.0% Voids
#2A	68.75'	2,261 cf	**ADS_StormTech MC-3500 c +Cap** x 20 Inside #1 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 20 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		4,013 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	68.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	71.51'	**6.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 71.51' / 71.41' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.54 cfs @ 12.37 hrs HW=69.28' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.54 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=68.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 2P: MC-3500 Underground Infiltration System 2 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

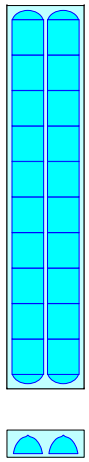
10 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 75.47' Row Length +12.0" End Stone x 2 = 77.47' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

20 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 2,261.4 cf Chamber Storage

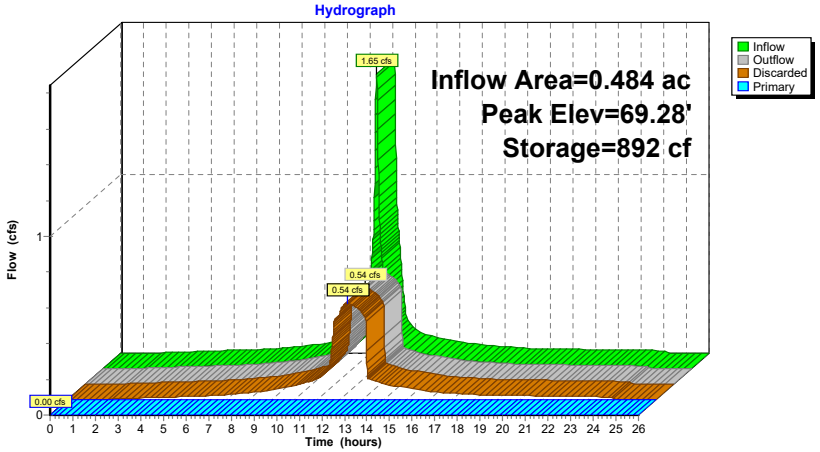
6,639.5 cf Field - 2,261.4 cf Chambers = 4,378.1 cf Stone x 40.0% Voids = 1,751.2 cf Stone Storage

Chamber Storage + Stone Storage = 4,012.7 cf = 0.092 af
Overall Storage Efficiency = 60.4%
Overall System Size = 77.47' x 15.58' x 5.50'

20 Chambers
245.9 cy Field
162.2 cy Stone



Pond 2P: MC-3500 Underground Infiltration System 2



Summary for Pond 3P: MC-4500 Underground Infiltration System 3

Inflow Area = 0.926 ac, 71.68% Impervious, Inflow Depth = 1.71" for 2-year event
Inflow = 1.85 cfs @ 12.09 hrs, Volume= 0.132 af
Outflow = 0.52 cfs @ 12.47 hrs, Volume= 0.132 af, Atten= 72%, Lag= 22.7 min
Discarded = 0.52 cfs @ 12.47 hrs, Volume= 0.132 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 64.61' @ 12.47 hrs Surf.Area= 1,175 sf Storage= 1,166 cf
Flood Elev= 69.75' Surf.Area= 1,175 sf Storage= 4,878 cf

Plug-Flow detention time= 12.8 min calculated for 0.132 af (100% of inflow)
Center-of-Mass det. time= 12.7 min (847.9 - 835.1)

Volume	Invert	Avail.Storage	Storage Description
#1A	63.00'	2,036 cf	**37.58'W x 31.27'L x 6.75'H Field A** 7,932 cf Overall - 2,841 cf Embedded = 5,091 cf x 40.0% Voids
#2A	63.75'	2,841 cf	**ADS_StormTech MC-4500 +Cap** x 24 Inside #1 Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap 24 Chambers in 4 Rows Cap Storage= 35.7 cf x 2 x 4 rows = 285.6 cf
		4,878 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	63.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	66.90'	**12.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 66.90' / 65.90' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.52 cfs @ 12.47 hrs HW=64.61' (Free Discharge)
↳**1=Exfiltration** (Exfiltration Controls 0.52 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=63.00' (Free Discharge)
↳**2=Culvert** (Controls 0.00 cfs)

Pond 3P: MC-4500 Underground Infiltration System 3 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-4500 +Cap (ADS StormTech®MC-4500 with cap, use MC-4500 b for new designs)
Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf
Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap
Cap Storage= 35.7 cf x 2 x 4 rows = 285.6 cf

100.0" Wide + 9.0" Spacing = 109.0" C-C Row Spacing

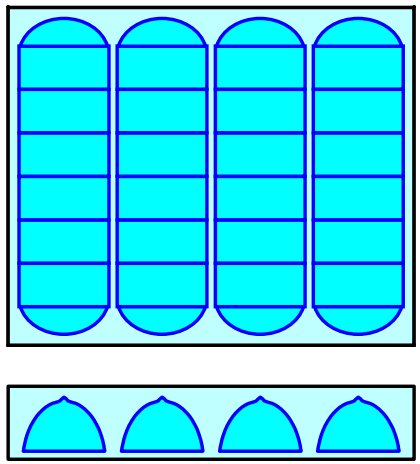
6 Chambers/Row x 4.02' Long +2.56' Cap Length x 2 = 29.27' Row Length +12.0" End Stone x 2 = 31.27' Base Length
4 Rows x 100.0" Wide + 9.0" Spacing x 3 + 12.0" Side Stone x 2 = 37.58' Base Width
9.0" Stone Base + 60.0" Chamber Height + 12.0" Stone Cover = 6.75' Field Height

24 Chambers x 106.5 cf + 35.7 cf Cap Volume x 2 x 4 Rows = 2,841.4 cf Chamber Storage

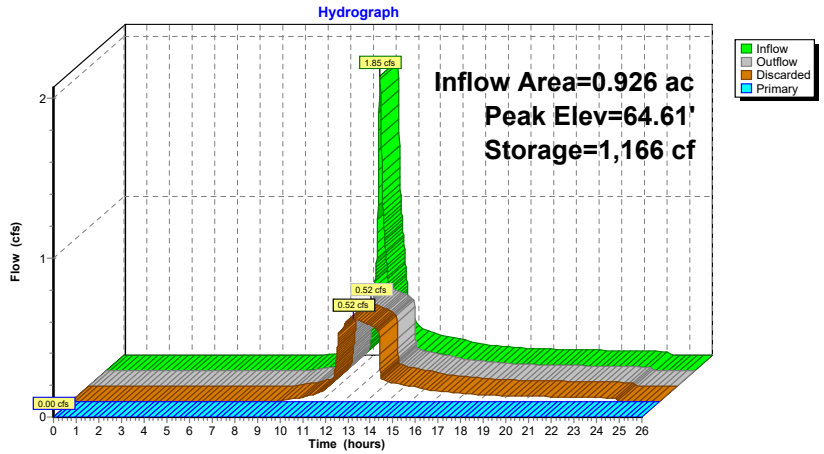
7,932.0 cf Field - 2,841.4 cf Chambers = 5,090.6 cf Stone x 40.0% Voids = 2,036.2 cf Stone Storage

Chamber Storage + Stone Storage = 4,877.6 cf = 0.112 af
Overall Storage Efficiency = 61.5%
Overall System Size = 31.27' x 37.58' x 6.75'

24 Chambers
293.8 cy Field
188.5 cy Stone



Pond 3P: MC-4500 Underground Infiltration System 3



Summary for Pond 4P: MC-3500 Underground Infiltration System 4

Inflow Area = 0.226 ac,100.00% Impervious, Inflow Depth = 3.27" for 2-year event
Inflow = 0.77 cfs @ 12.08 hrs, Volume= 0.062 af
Outflow = 0.25 cfs @ 12.37 hrs, Volume= 0.062 af, Atten= 68%, Lag= 17.2 min
Discarded = 0.25 cfs @ 12.37 hrs, Volume= 0.062 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 71.87' @ 12.37 hrs Surf.Area= 537 sf Storage= 426 cf
Flood Elev= 76.00' Surf.Area= 537 sf Storage= 1,746 cf

Plug-Flow detention time= 8.1 min calculated for 0.061 af (100% of inflow)
Center-of-Mass det. time= 8.1 min (762.7 - 754.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	70.50'	804 cf	**15.58'W x 34.45'L x 5.50'H Field A** 2,952 cf Overall - 942 cf Embedded = 2,010 cf x 40.0% Voids
#2A	71.25'	942 cf	**ADS_StormTech MC-3500 c +Cap** x 8 Inside #1 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 8 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		1,746 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	70.50'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	74.01'	**6.0" Round Culvert** L= 56.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 74.01' / 73.73' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.25 cfs @ 12.37 hrs HW=71.87' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.25 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=70.50' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 4P: MC-3500 Underground Infiltration System 4 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

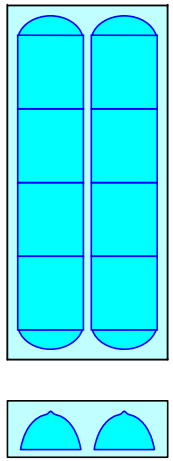
4 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 32.45' Row Length +12.0" End Stone x 2 = 34.45' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

8 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 942.0 cf Chamber Storage

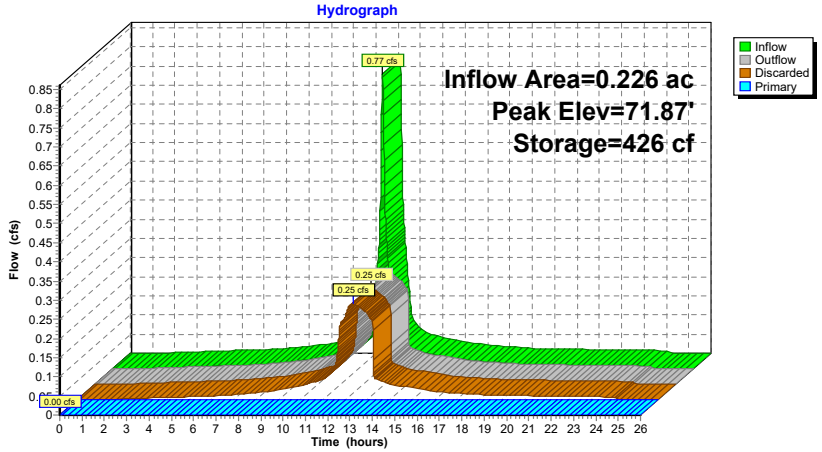
2,952.4 cf Field - 942.0 cf Chambers = 2,010.4 cf Stone x 40.0% Voids = 804.1 cf Stone Storage

Chamber Storage + Stone Storage = 1,746.2 cf = 0.040 af
Overall Storage Efficiency = 59.1%
Overall System Size = 34.45' x 15.58' x 5.50'

8 Chambers
109.3 cy Field
74.5 cy Stone



Pond 4P: MC-3500 Underground Infiltration System 4



Summary for Pond 5P: MC-3500 Underground Infiltration System 5

Inflow Area = 0.072 ac,100.00% Impervious, Inflow Depth = 3.27" for 2-year event
Inflow = 0.24 cfs @ 12.08 hrs, Volume= 0.019 af
Outflow = 0.13 cfs @ 12.21 hrs, Volume= 0.019 af, Atten= 47%, Lag= 7.6 min
Discarded = 0.13 cfs @ 12.21 hrs, Volume= 0.019 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 70.00' @ 12.21 hrs Surf.Area= 313 sf Storage= 63 cf
Flood Elev= 75.00' Surf.Area= 313 sf Storage= 991 cf

Plug-Flow detention time= 2.3 min calculated for 0.019 af (100% of inflow)
Center-of-Mass det. time= 2.3 min (756.9 - 754.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	69.50'	488 cf	**15.58'W x 20.11'L x 5.50'H Field A** 1,723 cf Overall - 502 cf Embedded = 1,221 cf x 40.0% Voids
#2A	70.25'	502 cf	**ADS_StormTech MC-3500 c +Cap** x 4 Inside #1 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 4 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		991 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	69.50'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	73.01'	**6.0" Round Culvert** L= 110.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 73.01' / 72.46' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.13 cfs @ 12.21 hrs HW=70.00' (Free Discharge)
↳**1=Exfiltration** (Exfiltration Controls 0.13 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=69.50' (Free Discharge)
↳**2=Culvert** (Controls 0.00 cfs)

Pond 5P: MC-3500 Underground Infiltration System 5 - Chamber Wizard Field A

Chamber Model = ADS_StormTech MC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

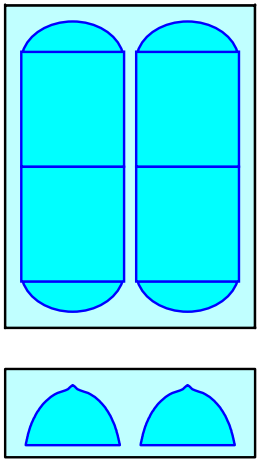
2 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 18.11' Row Length +12.0" End Stone x 2 = 20.11' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

4 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 502.2 cf Chamber Storage

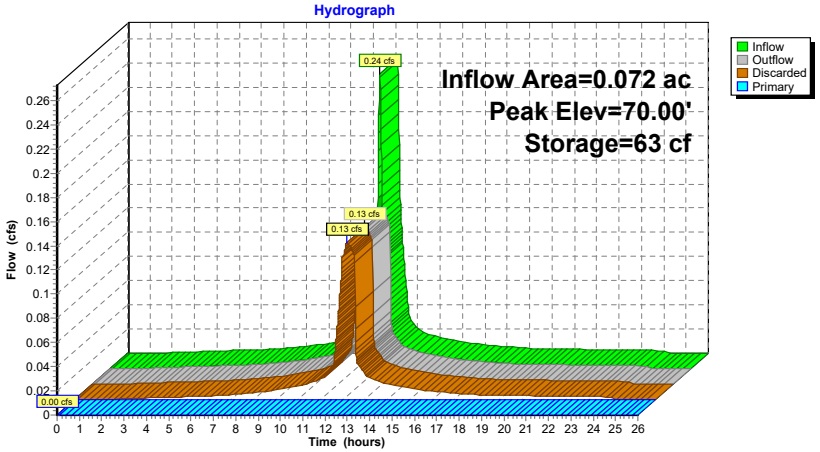
1,723.3 cf Field - 502.2 cf Chambers = 1,221.1 cf Stone x 40.0% Voids = 488.4 cf Stone Storage

Chamber Storage + Stone Storage = 990.6 cf = 0.023 af
Overall Storage Efficiency = 57.5%
Overall System Size = 20.11' x 15.58' x 5.50'

4 Chambers
63.8 cy Field
45.2 cy Stone



Pond 5P: MC-3500 Underground Infiltration System 5



Summary for Pond 6P: Bio-Retention Area

Inflow Area = 6.161 ac, 62.58% Impervious, Inflow Depth = 0.00" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach 3R : Flow to North Perimeter

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 65.51' @ 24.34 hrs Surf.Area= 473 sf Storage= 5 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

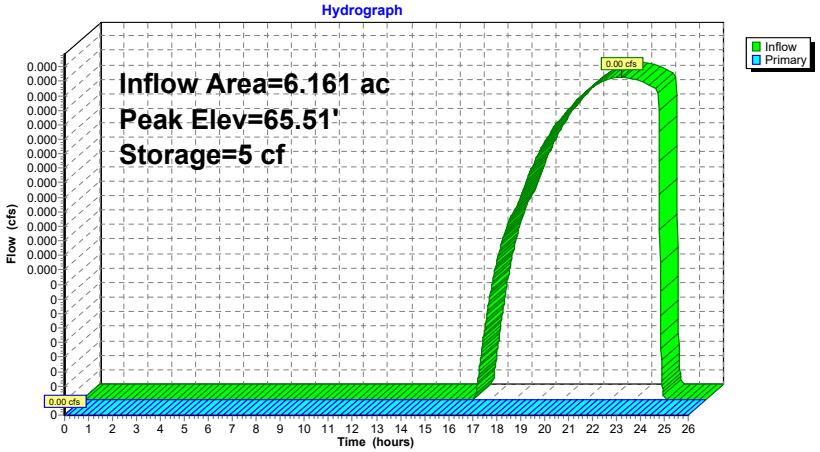
Volume	Invert	Avail.Storage	Storage Description
#1	65.50'	6,749 cf	**Ponding Area (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
65.50	470	101.0	0	0	470
66.00	628	110.0	274	274	630
67.00	1,053	148.0	831	1,105	1,421
68.00	1,583	183.0	1,309	2,414	2,357
69.00	2,160	202.0	1,864	4,278	2,971
70.00	2,795	220.0	2,471	6,749	3,611

Device	Routing	Invert	Outlet Devices
#1	Primary	67.00'	**20.0' long x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=65.50' (Free Discharge)
↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 6P: Bio-Retention Area



Summary for Pond 7P: Area Drain 2

Inflow Area = 1.783 ac, 17.20% Impervious, Inflow Depth = 0.07" for 2-year event
Inflow = 0.02 cfs @ 14.74 hrs, Volume= 0.010 af
Outflow = 0.02 cfs @ 14.74 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min
Primary = 0.02 cfs @ 14.74 hrs, Volume= 0.010 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 65.56' @ 14.74 hrs Surf.Area= 3 sf Storage= 0 cf

Plug-Flow detention time= 0.2 min calculated for 0.010 af (100% of inflow)
Center-of-Mass det. time= 0.2 min (1,056.3 - 1,056.1)

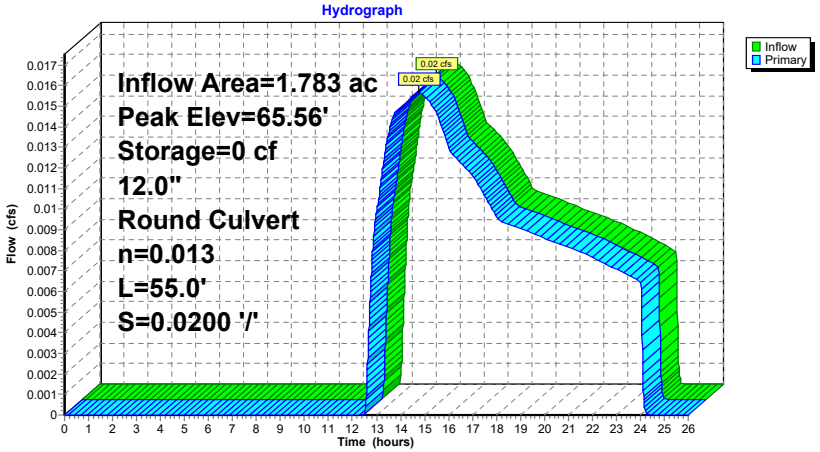
Volume	Invert	Avail.Storage	Storage Description
#1	65.50'	9 cf	**2.00'D x 3.00'H Area Drain 2**
#2	67.50'	4,615 cf	**Low Point (Irregular)**Listed below (Recalc)
		4,624 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
67.50	0	0.0	0	0	0
68.00	873	160.0	146	146	2,038
69.00	1,556	193.0	1,198	1,344	2,981
70.00	5,368	376.0	3,271	4,615	11,272

Device	Routing	Invert	Outlet Devices
#1	Primary	65.50'	**12.0" Round Culvert** L= 55.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 65.50' / 64.40' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 0.79 sf

Primary OutFlow Max=0.01 cfs @ 14.74 hrs HW=65.56' (Free Discharge)
1=Culvert (Inlet Controls 0.01 cfs @ 0.81 fps)

Pond 7P: Area Drain 2



Summary for Pond 8P: Drywell 3-1

Inflow Area = 0.390 ac, 39.46% Impervious, Inflow Depth = 0.62" for 2-year event
Inflow = 0.21 cfs @ 12.13 hrs, Volume= 0.020 af
Outflow = 0.08 cfs @ 12.51 hrs, Volume= 0.020 af, Atten= 60%, Lag= 22.8 min
Discarded = 0.08 cfs @ 12.51 hrs, Volume= 0.020 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 7P : Area Drain 2

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 6
Peak Elev= 77.21' @ 12.51 hrs Surf.Area= 229 sf Storage= 154 cf

Plug-Flow detention time= 50.9 min calculated for 0.020 af (100% of inflow)
Center-of-Mass det. time= 50.9 min (952.6 - 901.6)

Volume	Invert	Avail.Storage	Storage Description
#1	76.41'	137 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)
#2	72.50'	36 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 50 cf Embedded = 91 cf x 40.0% Voids
#3	73.50'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2
		224 cf	Total Available Storage

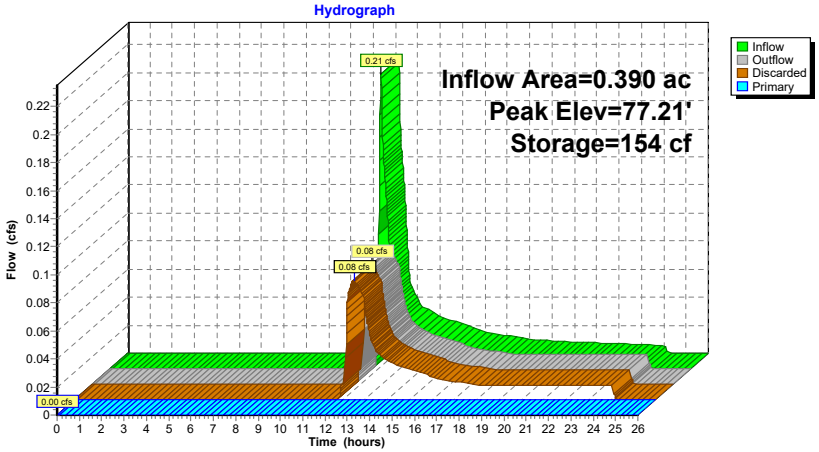
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
76.41	0	0.0	0	0	0
77.00	170	47.0	33	33	176
77.50	247	57.0	104	137	263

Device	Routing	Invert	Outlet Devices
#1	Discarded	72.50'	**16.000 in/hr Exfiltration over Surface area**
#2	Primary	77.49'	**5.0' long x 1.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32

Discarded OutFlow Max=0.08 cfs @ 12.51 hrs HW=77.21' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.08 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=72.50' (Free Discharge)
↑**2=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 8P: Drywell 3-1



Summary for Pond 9P: Drywell 3-2

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

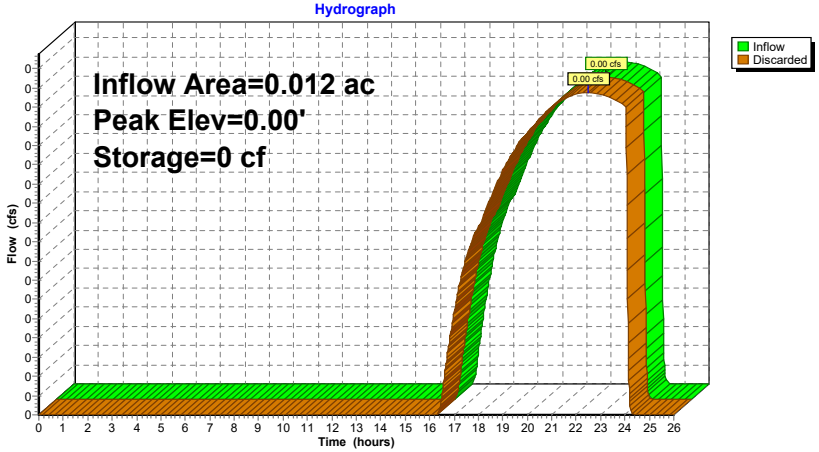
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 9P: Drywell 3-2



Summary for Pond 10P: Drywell 3-3

Inflow Area = 0.016 ac, 10.25% Impervious, Inflow Depth = 0.08" for 2-year event
Inflow = 0.00 cfs @ 14.74 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 14.75 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 14.75 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 14.75 hrs Surf.Area= 28 sf Storage= 0 cf

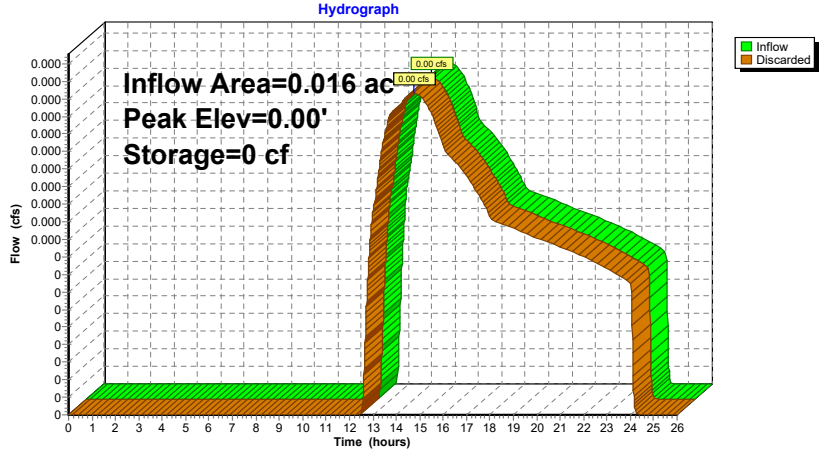
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,056.8 - 1,056.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 14.75 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 10P: Drywell 3-3



Summary for Pond 11P: Drywell 3-4

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

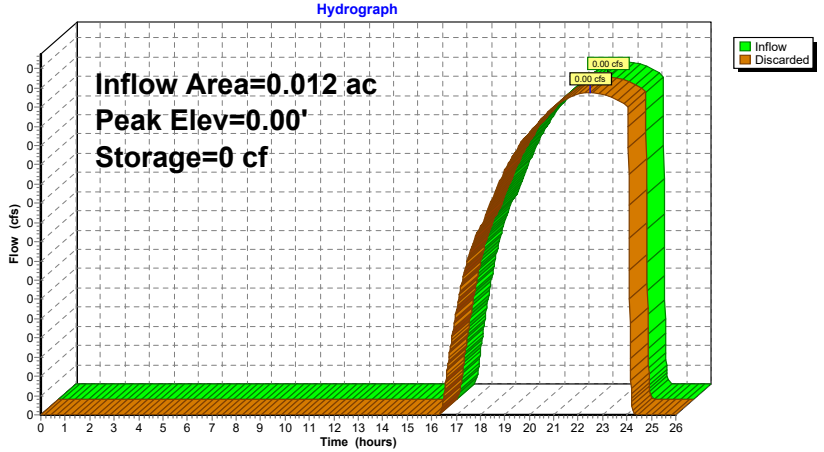
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 11P: Drywell 3-4



Summary for Pond 12P: Drywell 3-5

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

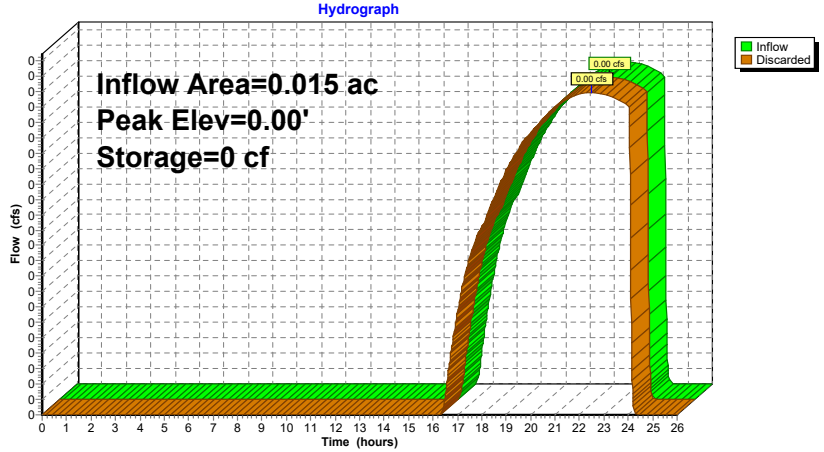
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 12P: Drywell 3-5



Summary for Pond 13P: Drywell 3-6

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

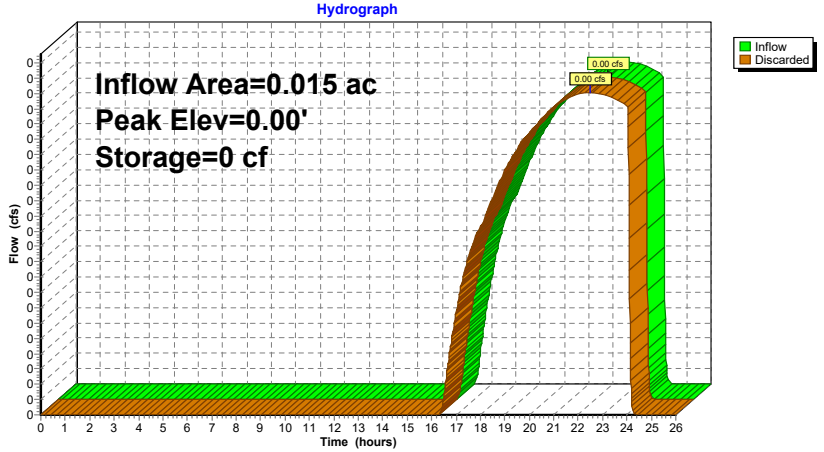
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 13P: Drywell 3-6



Summary for Pond 14P: Drywell 3-7

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

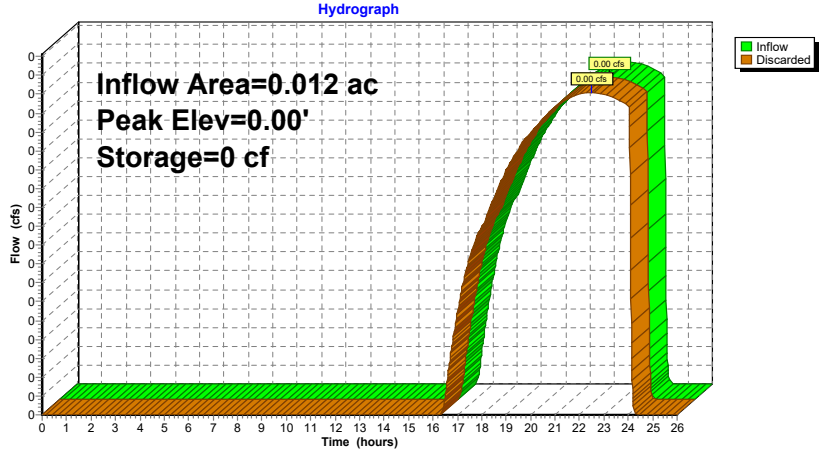
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 14P: Drywell 3-7



Summary for Pond 15P: Drywell 3-8

Inflow Area = 0.005 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

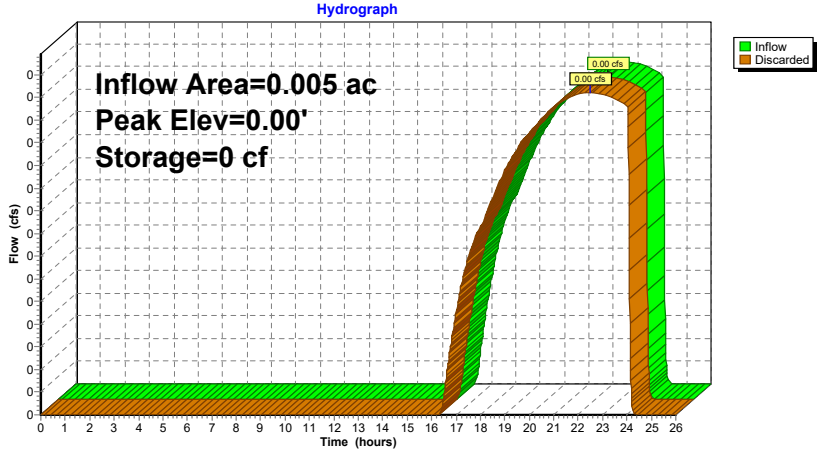
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 15P: Drywell 3-8



Summary for Pond 16P: Drywell 1-1

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

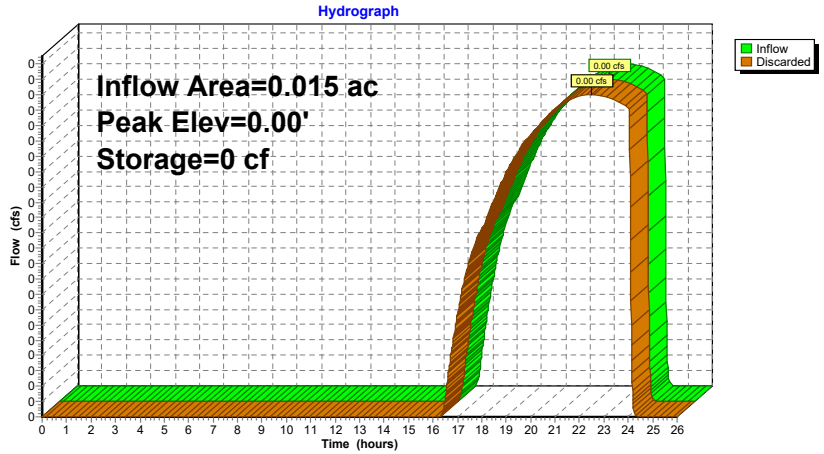
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 16P: Drywell 1-1



Summary for Pond 17P: Drywell 1-2

Inflow Area = 0.014 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

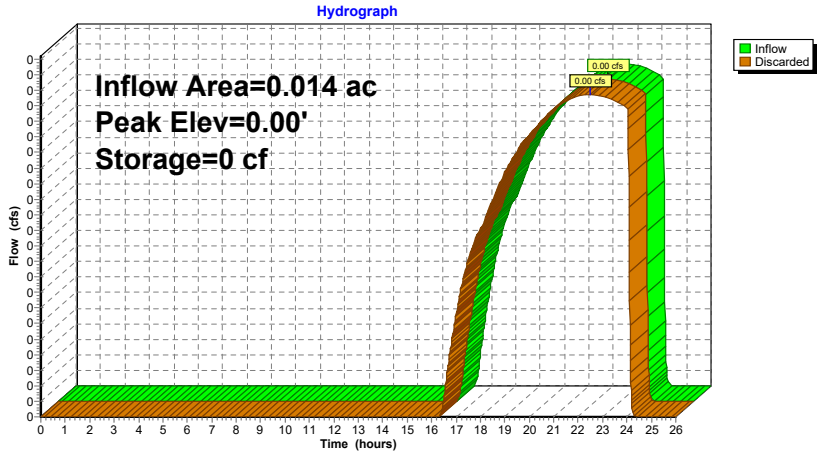
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 17P: Drywell 1-2



Summary for Pond 18P: Drywell 1-3

Inflow Area = 0.009 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

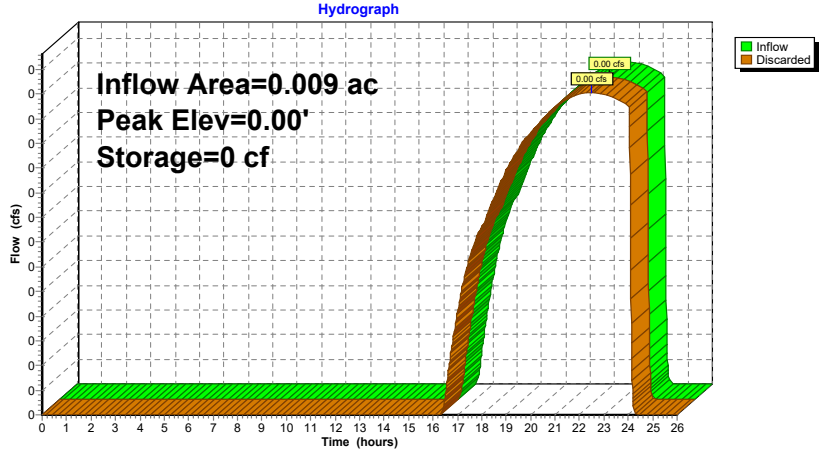
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 18P: Drywell 1-3



Summary for Pond 19P: Drywell 1-4

Inflow Area = 0.040 ac, 8.54% Impervious, Inflow Depth = 0.04" for 2-year event
Inflow = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 15.63 hrs Surf.Area= 28 sf Storage= 0 cf

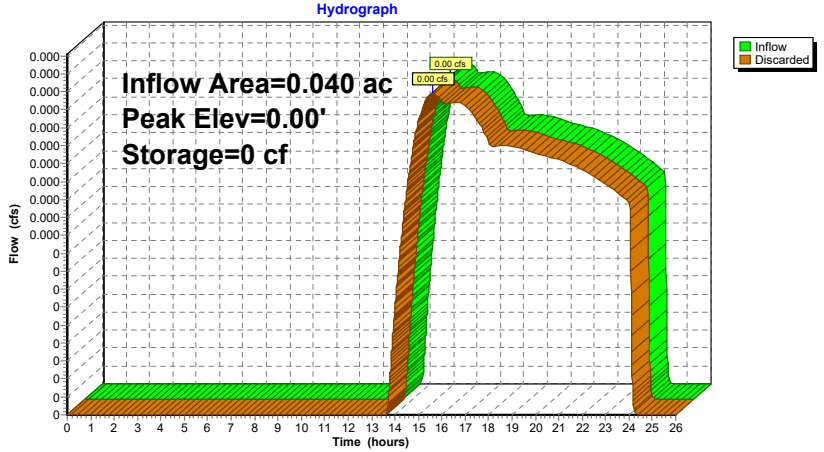
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,130.6 - 1,129.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 15.63 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 19P: Drywell 1-4



Summary for Pond 20P: Drywell 1-5

Inflow Area = 0.034 ac, 8.31% Impervious, Inflow Depth = 0.03" for 2-year event
Inflow = 0.00 cfs @ 17.06 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 17.07 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 17.07 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 17.07 hrs Surf.Area= 28 sf Storage= 0 cf

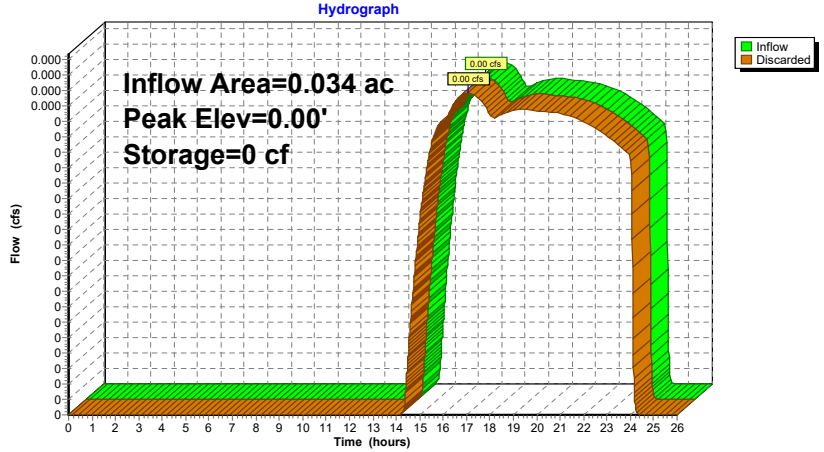
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,164.0 - 1,163.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 17.07 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 20P: Drywell 1-5



Summary for Pond 21P: Drywell 1-6

Inflow Area = 0.084 ac, 6.07% Impervious, Inflow Depth = 0.03" for 2-year event
Inflow = 0.00 cfs @ 17.06 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 17.07 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.6 min
Discarded = 0.00 cfs @ 17.07 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 17.07 hrs Surf.Area= 28 sf Storage= 0 cf

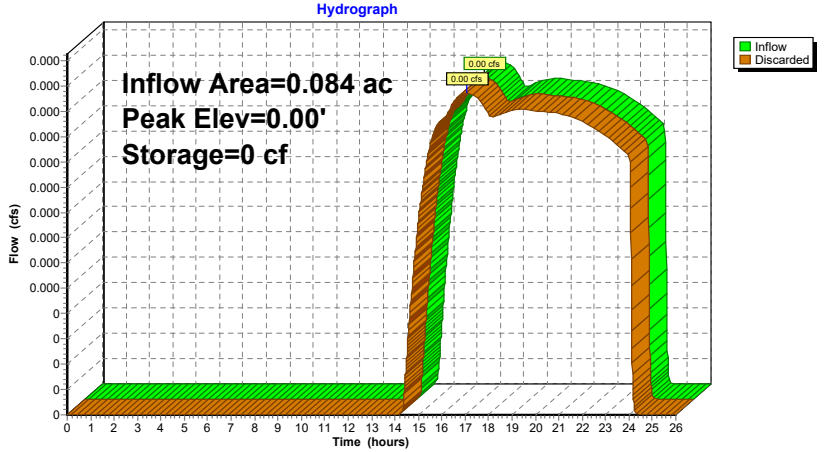
Plug-Flow detention time= 0.9 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (1,164.2 - 1,163.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2 73 cf Overall - 5.0" Wall Thickness = 50 cf
#2	0.00'	27 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 73 cf Embedded = 68 cf x 40.0% Voids
		77 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 17.07 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 21P: Drywell 1-6



Summary for Pond 22P: Drywell 1-7

Inflow Area = 0.090 ac, 1.87% Impervious, Inflow Depth = 0.02" for 2-year event
Inflow = 0.00 cfs @ 21.34 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 21.35 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 21.35 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 21.35 hrs Surf.Area= 28 sf Storage= 0 cf

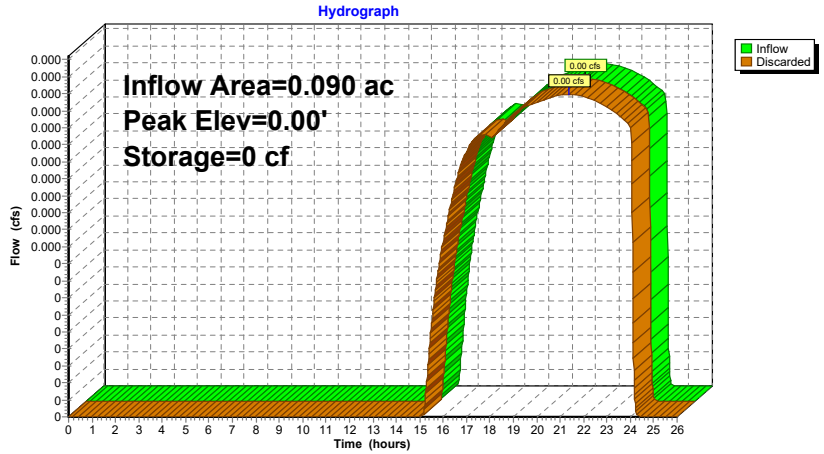
Plug-Flow detention time= 0.9 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (1,204.5 - 1,203.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2 73 cf Overall - 5.0" Wall Thickness = 50 cf
#2	0.00'	27 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 73 cf Embedded = 68 cf x 40.0% Voids
		77 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 21.35 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 22P: Drywell 1-7



Summary for Pond 23P: Drywell 1-8

Inflow Area = 0.012 ac, 14.23% Impervious, Inflow Depth = 0.12" for 2-year event
Inflow = 0.00 cfs @ 13.62 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.63 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.6 min
Discarded = 0.00 cfs @ 13.63 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.63 hrs Surf.Area= 28 sf Storage= 0 cf

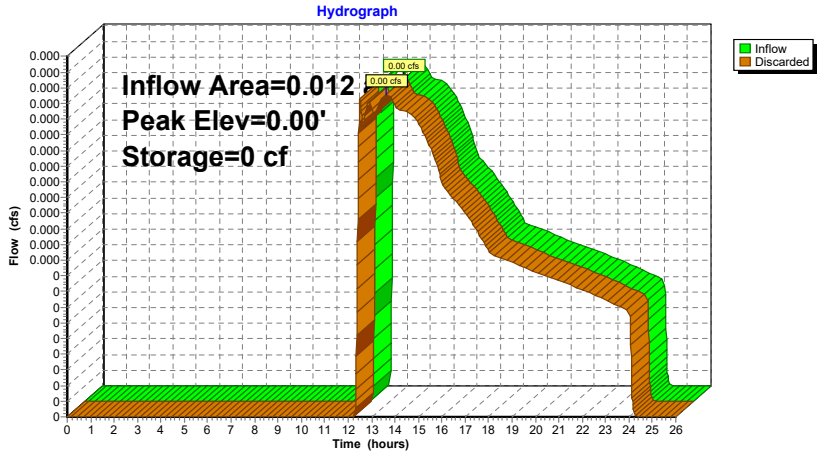
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,021.9 - 1,021.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.63 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 23P: Drywell 1-8



Summary for Pond 24P: Drywell 1-9

Inflow Area = 0.089 ac, 10.33% Impervious, Inflow Depth = 0.04" for 2-year event
Inflow = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 15.63 hrs Surf.Area= 38 sf Storage= 0 cf

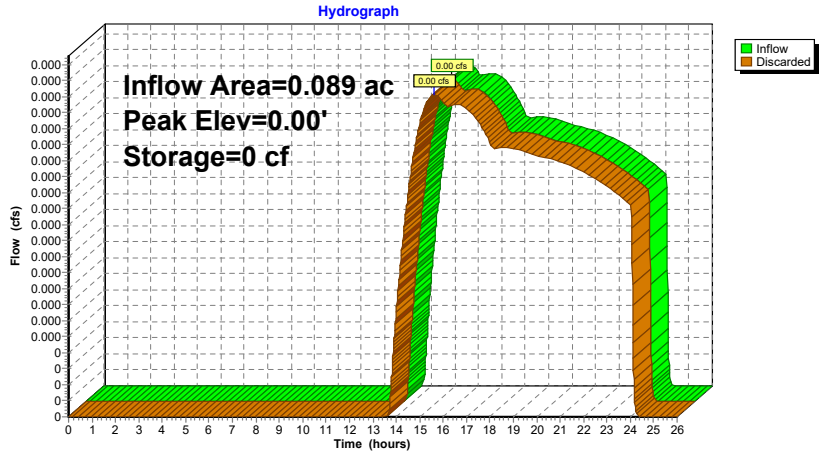
Plug-Flow detention time= 1.1 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 1.1 min (1,131.0 - 1,129.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	98 cf	**5.00'D x 5.00'H Dry Well** Inside #2 134 cf Overall - 5.0" Wall Thickness = 98 cf
#2	0.00'	39 cf	**7.00'D x 6.00'H Crushed Stone** 231 cf Overall - 134 cf Embedded = 97 cf x 40.0% Voids
		137 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 15.63 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 24P: Drywell 1-9



Summary for Pond 25P: Drywell 1-10

Inflow Area = 0.044 ac, 12.45% Impervious, Inflow Depth = 0.05" for 2-year event
Inflow = 0.00 cfs @ 15.30 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 15.31 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.4 min
Discarded = 0.00 cfs @ 15.31 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 15.31 hrs Surf.Area= 28 sf Storage= 0 cf

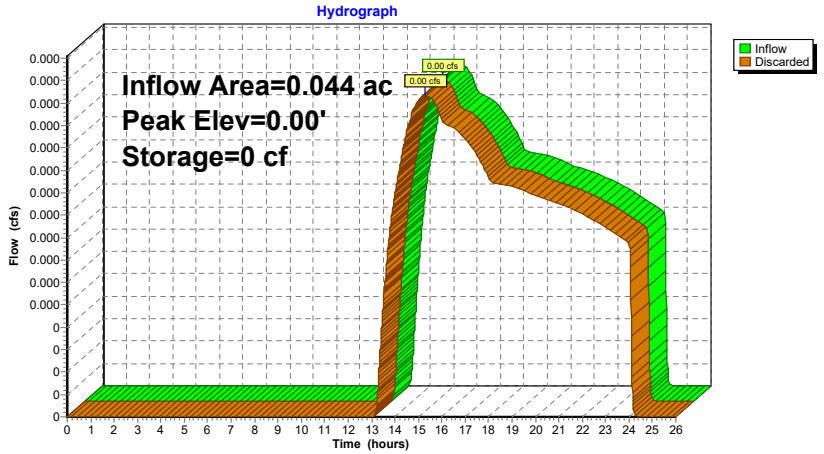
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,102.3 - 1,101.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 15.31 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 25P: Drywell 1-10



Summary for Pond 26P: Drywell 1-11

Inflow Area = 0.029 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

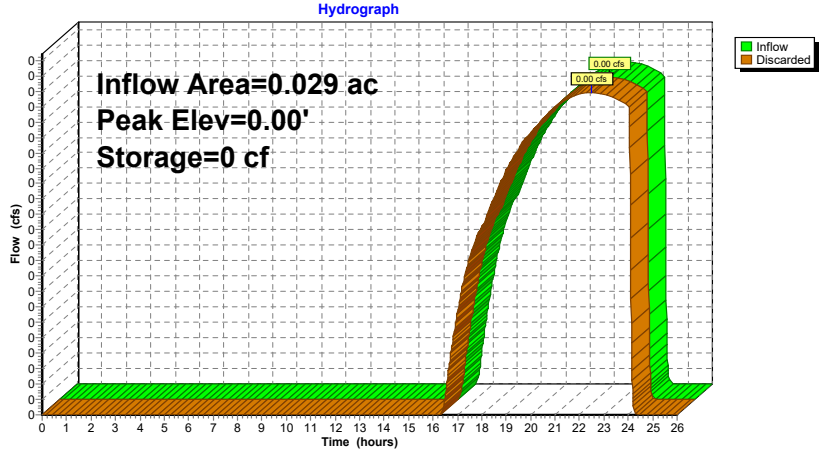
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 26P: Drywell 1-11



Summary for Pond 27P: Drywell 1-12

Inflow Area = 0.031 ac, 9.45% Impervious, Inflow Depth = 0.04" for 2-year event
Inflow = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 15.63 hrs Surf.Area= 28 sf Storage= 0 cf

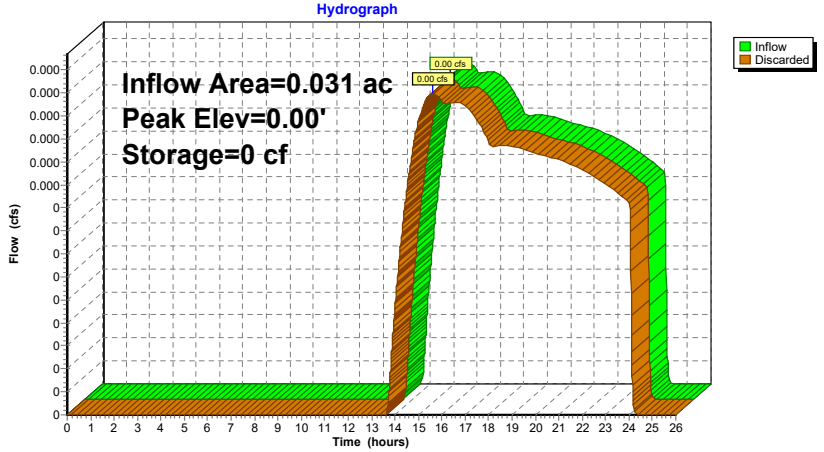
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,130.6 - 1,129.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 15.63 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 27P: Drywell 1-12



Summary for Pond 28P: Drywell 1-13

Inflow Area = 0.017 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

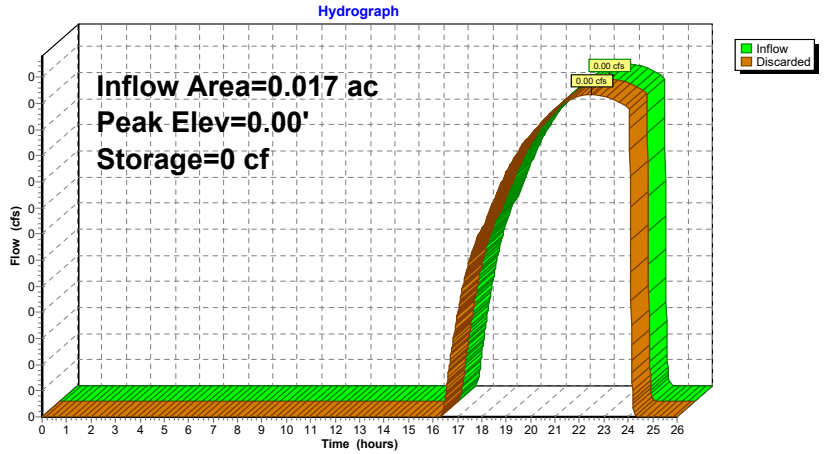
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 28P: Drywell 1-13



Summary for Pond 29P: Drywell 1-14

Inflow Area = 0.016 ac, 48.51% Impervious, Inflow Depth = 0.90" for 2-year event
Inflow = 0.02 cfs @ 12.10 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.05 hrs, Volume= 0.001 af, Atten= 31%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.05 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.18' @ 12.20 hrs Surf.Area= 28 sf Storage= 2 cf

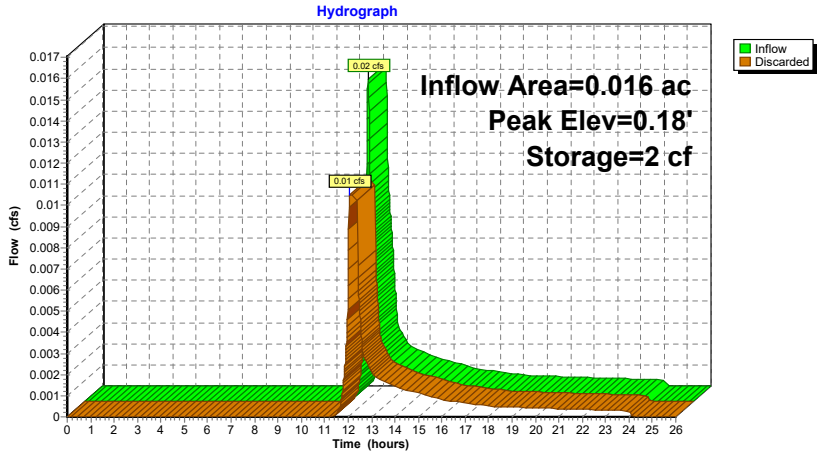
Plug-Flow detention time= 1.1 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 1.1 min (877.2 - 876.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.05 hrs HW=0.04' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 29P: Drywell 1-14



Summary for Pond 30P: Drywell 1-15

Inflow Area = 0.014 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

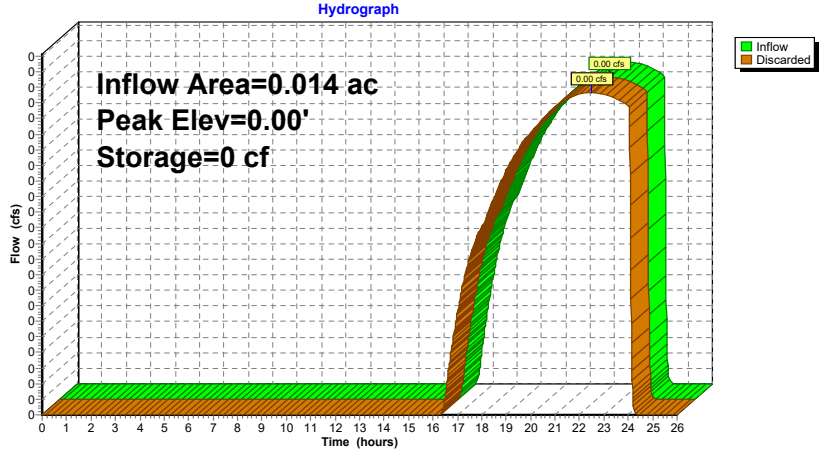
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 30P: Drywell 1-15



Summary for Pond 31P: Drywell 1-16

Inflow Area = 0.130 ac, 2.28% Impervious, Inflow Depth = 0.02" for 2-year event
Inflow = 0.00 cfs @ 21.34 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 21.35 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 21.35 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 21.35 hrs Surf.Area= 38 sf Storage= 0 cf

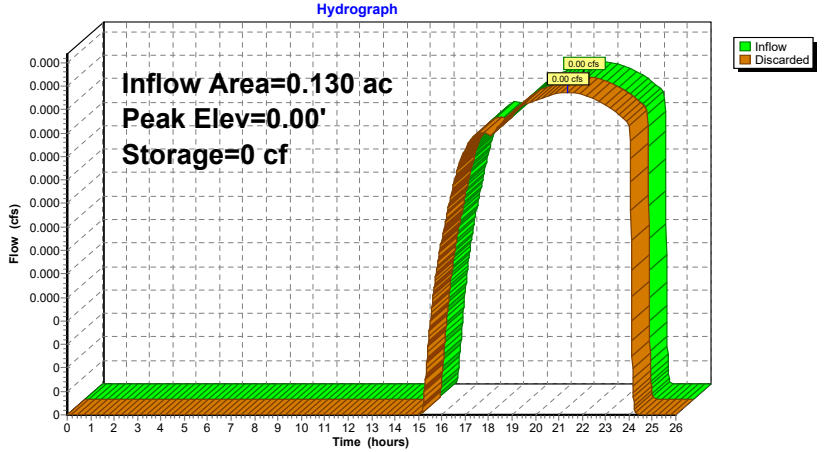
Plug-Flow detention time= 0.9 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (1,204.5 - 1,203.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	79 cf	**5.00'D x 4.00'H Dry Well** Inside #2 107 cf Overall - 5.0" Wall Thickness = 79 cf
#2	0.00'	34 cf	**7.00'D x 5.00'H Crushed Stone** 192 cf Overall - 107 cf Embedded = 86 cf x 40.0% Voids
		113 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 21.35 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 31P: Drywell 1-16



Summary for Pond 32P: Drywell 2-1

Inflow Area = 0.008 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

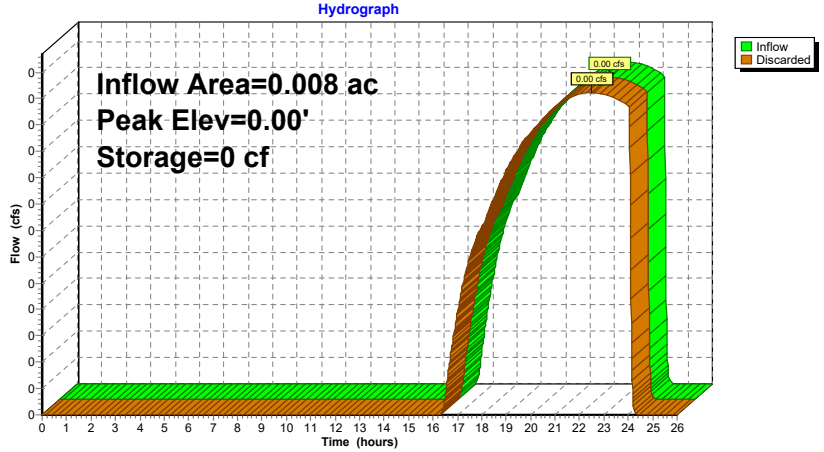
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 32P: Drywell 2-1



Summary for Pond 33P: Drywell 2-2

Inflow Area = 0.013 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

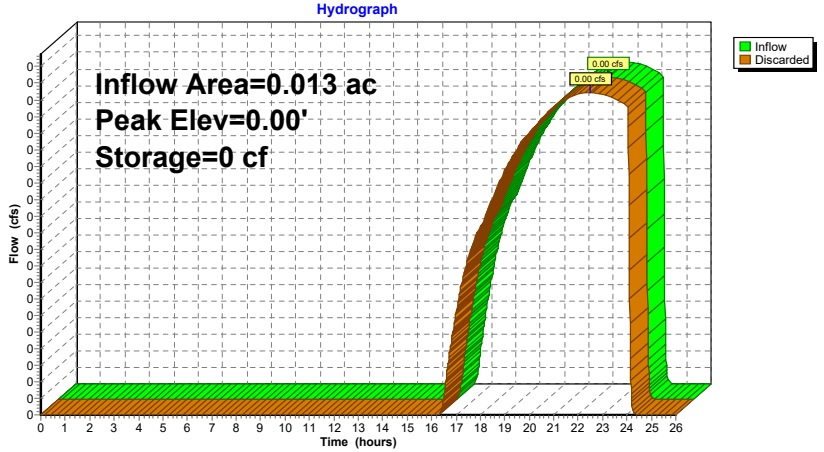
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 33P: Drywell 2-2



Summary for Pond 34P: Drywell 2-4

Inflow Area = 0.019 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

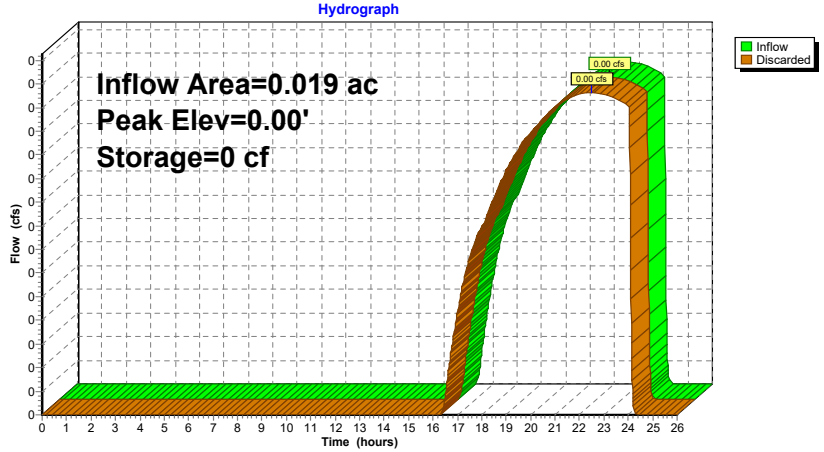
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 34P: Drywell 2-4



Summary for Pond 35P: Drywell 2-3

Inflow Area = 0.013 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

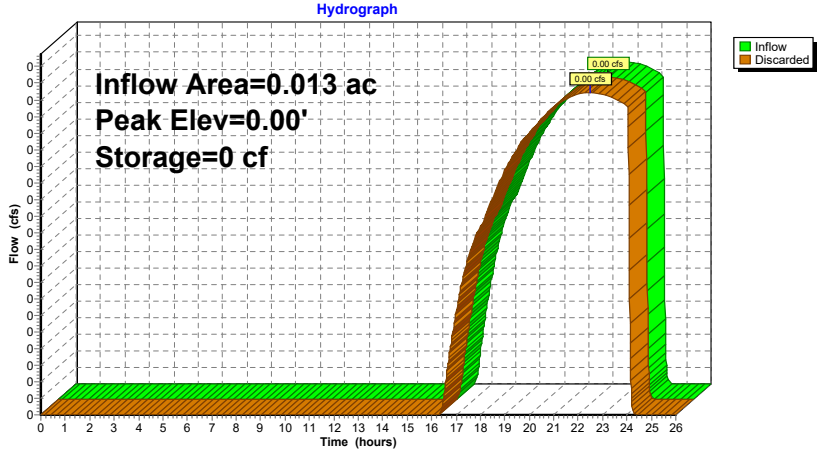
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 35P: Drywell 2-3



Summary for Pond 36P: Drywell 2-5

Inflow Area = 0.059 ac, 24.83% Impervious, Inflow Depth = 0.15" for 2-year event
Inflow = 0.00 cfs @ 12.47 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.48 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 12.48 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 12.48 hrs Surf.Area= 38 sf Storage= 0 cf

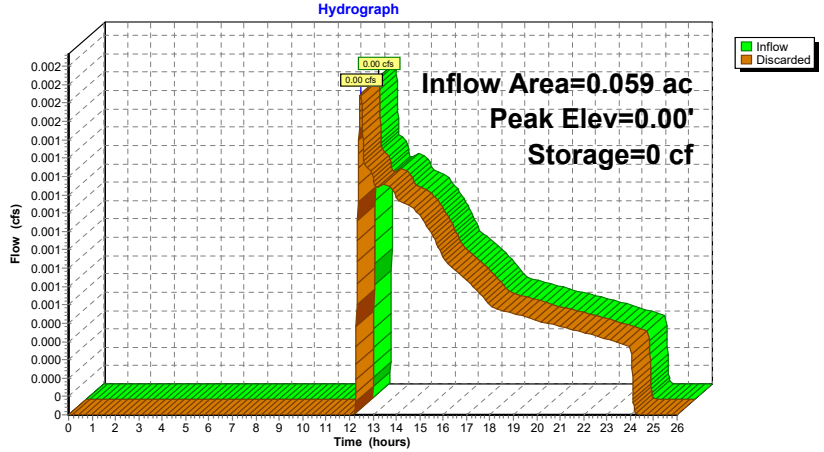
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,007.4 - 1,006.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	59 cf	**5.00'D x 3.00'H Dry Well** Inside #2 80 cf Overall - 5.0" Wall Thickness = 59 cf
#2	0.00'	30 cf	**7.00'D x 4.00'H Crushed Stone** 154 cf Overall - 80 cf Embedded = 74 cf x 40.0% Voids
		88 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.48 hrs HW=0.00' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.01 cfs)

Pond 36P: Drywell 2-5



Summary for Pond 37P: Drywell 2-6

Inflow Area = 0.030 ac, 5.64% Impervious, Inflow Depth = 0.04" for 2-year event
Inflow = 0.00 cfs @ 15.62 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 15.63 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 15.63 hrs Surf.Area= 28 sf Storage= 0 cf

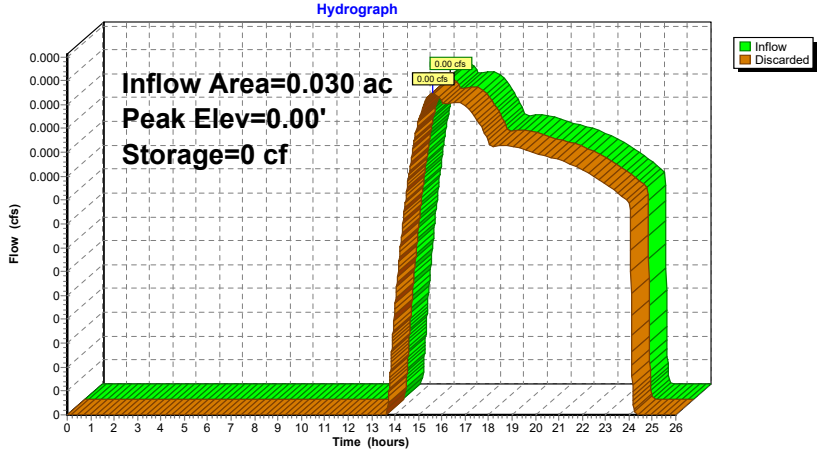
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,130.6 - 1,129.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 15.63 hrs HW=0.00' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.01 cfs)

Pond 37P: Drywell 2-6



Summary for Pond 38P: Drywell 2-7

Inflow Area = 0.010 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

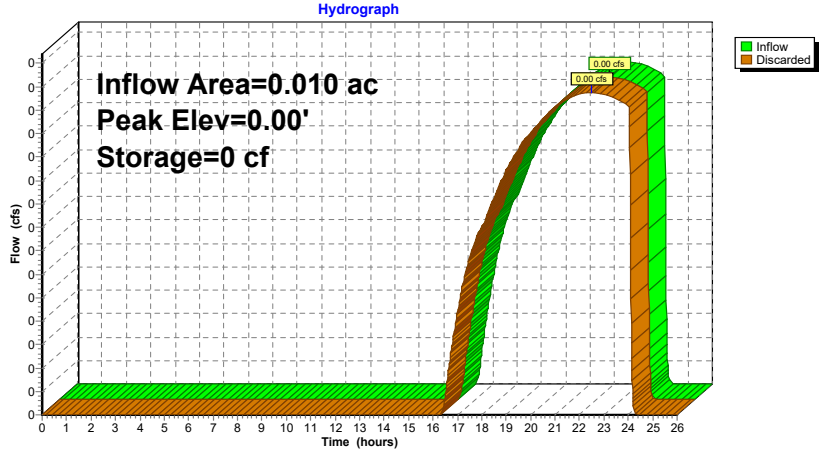
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 38P: Drywell 2-7



Summary for Pond 39P: Drywell 2-12

Inflow Area = 0.027 ac, 0.00% Impervious, Inflow Depth = 0.01" for 2-year event
Inflow = 0.00 cfs @ 22.50 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.5 min
Discarded = 0.00 cfs @ 22.51 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 22.51 hrs Surf.Area= 28 sf Storage= 0 cf

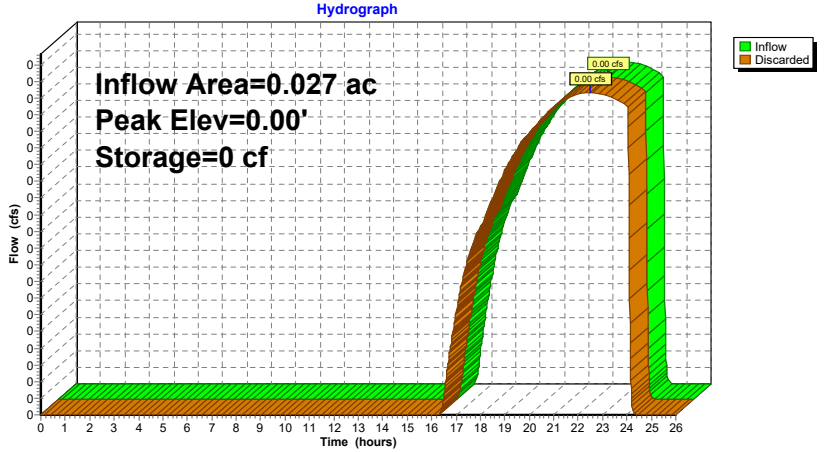
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,253.5 - 1,252.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 22.51 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 39P: Drywell 2-12



Summary for Pond 40P: Drywell 2-11

Inflow Area = 0.019 ac, 22.48% Impervious, Inflow Depth = 0.15" for 2-year event
Inflow = 0.00 cfs @ 12.47 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 12.48 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 12.48 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 12.48 hrs Surf.Area= 28 sf Storage= 0 cf

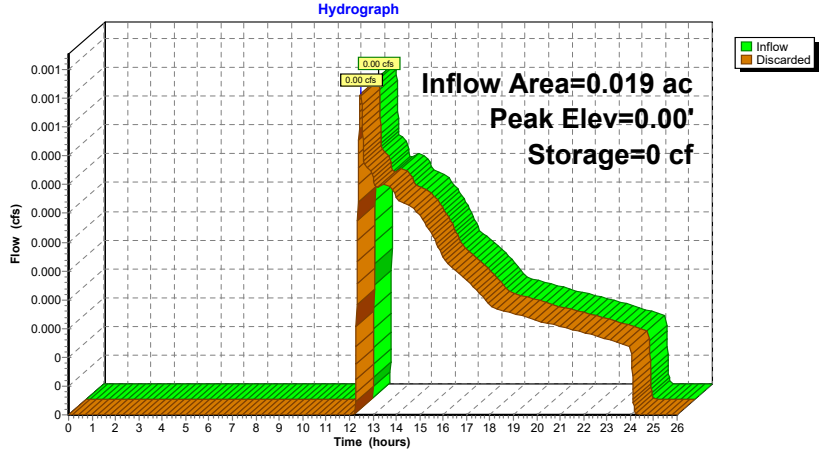
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,007.4 - 1,006.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.48 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 40P: Drywell 2-11



Summary for Pond 41P: Drywell 2-10

Inflow Area = 0.132 ac, 8.44% Impervious, Inflow Depth = 0.07" for 2-year event
Inflow = 0.00 cfs @ 14.98 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 15.03 hrs, Volume= 0.001 af, Atten= 0%, Lag= 2.7 min
Discarded = 0.00 cfs @ 15.03 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 15.03 hrs Surf.Area= 50 sf Storage= 0 cf

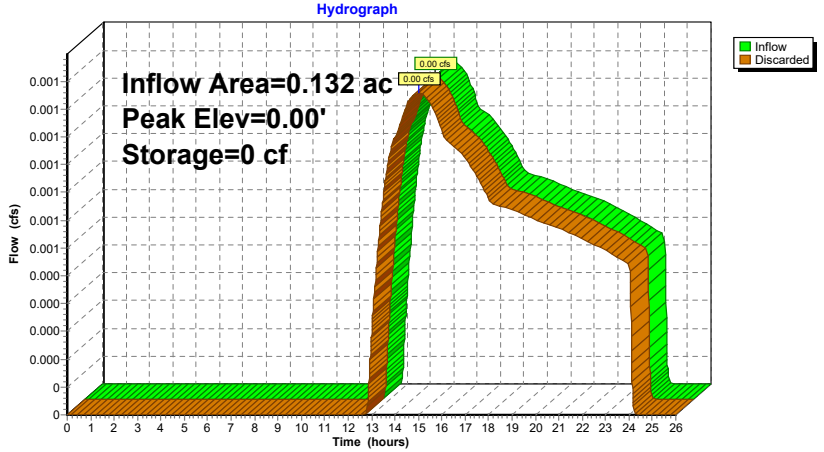
Plug-Flow detention time= 1.1 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 1.1 min (1,078.3 - 1,077.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	141 cf	**6.00'D x 5.00'H Dry Well** Inside #2 183 cf Overall - 5.0" Wall Thickness = 141 cf
#2	0.00'	47 cf	**8.00'D x 6.00'H Crushed Stone** 302 cf Overall - 183 cf Embedded = 118 cf x 40.0% Voids
		189 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 15.03 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

Pond 41P: Drywell 2-10



Summary for Pond 42P: Drywell 2-9

Inflow Area = 0.076 ac, 22.53% Impervious, Inflow Depth = 0.25" for 2-year event
Inflow = 0.01 cfs @ 12.35 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 12.37 hrs, Volume= 0.002 af, Atten= 0%, Lag= 1.2 min
Discarded = 0.01 cfs @ 12.37 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.37 hrs Surf.Area= 50 sf Storage= 0 cf

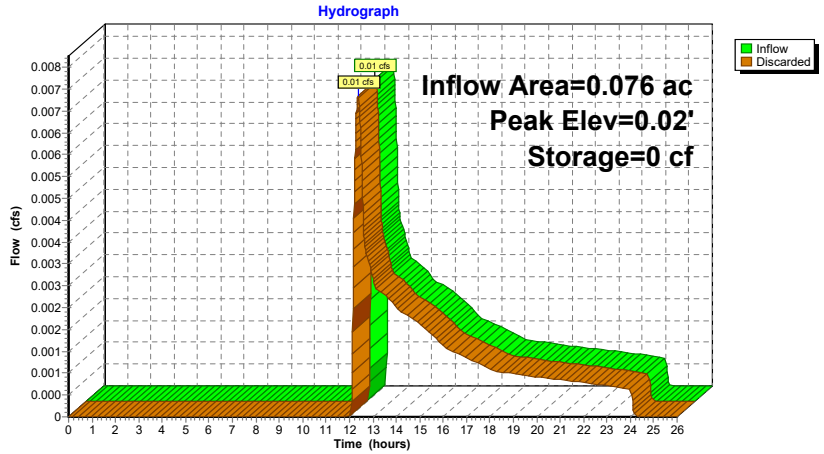
Plug-Flow detention time= 1.1 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 1.1 min (963.2 - 962.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	141 cf	**6.00'D x 5.00'H Dry Well** Inside #2 183 cf Overall - 5.0" Wall Thickness = 141 cf
#2	0.00'	47 cf	**8.00'D x 6.00'H Crushed Stone** 302 cf Overall - 183 cf Embedded = 118 cf x 40.0% Voids
		189 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 12.37 hrs HW=0.02' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.02 cfs)

Pond 42P: Drywell 2-9



Summary for Pond 43P: Drywell 2-8

Inflow Area = 0.099 ac, 8.53% Impervious, Inflow Depth = 0.07" for 2-year event
Inflow = 0.00 cfs @ 14.98 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 15.03 hrs, Volume= 0.001 af, Atten= 0%, Lag= 2.7 min
Discarded = 0.00 cfs @ 15.03 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 15.03 hrs Surf.Area= 50 sf Storage= 0 cf

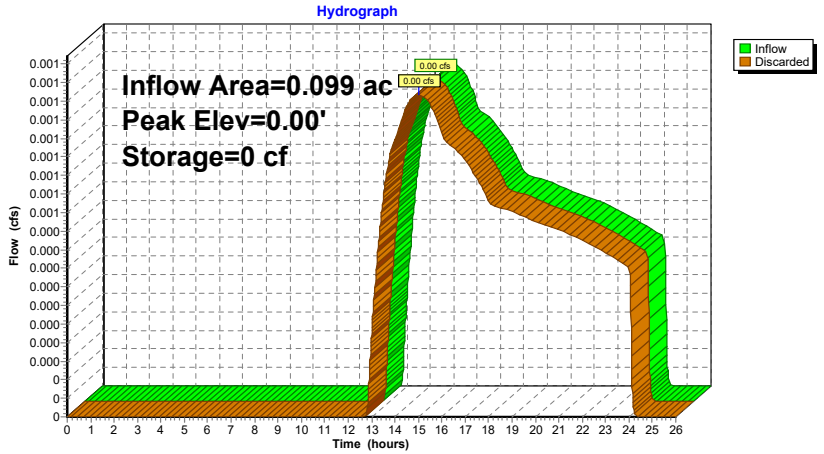
Plug-Flow detention time= 0.9 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (1,078.1 - 1,077.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	113 cf	**6.00'D x 4.00'H Dry Well** Inside #2 147 cf Overall - 5.0" Wall Thickness = 113 cf
#2	0.00'	42 cf	**8.00'D x 5.00'H Crushed Stone** 251 cf Overall - 147 cf Embedded = 105 cf x 40.0% Voids
		155 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 15.03 hrs HW=0.00' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.02 cfs)

Pond 43P: Drywell 2-8



Time span=0.00-26.00 hrs, dt=0.01 hrs, 2601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentP1: Flow Towards Route 6 Runoff Area=48,499 sf 8.97% Impervious Runoff Depth=0.34"
Tc=6.0 min CN=44 Runoff=0.14 cfs 0.031 af

SubcatchmentP2: Overland Flow to the East Runoff Area=2,885 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-1: Building A Runoff Area=10,546 sf 100.00% Impervious Runoff Depth=4.56"
Tc=6.0 min CN=98 Runoff=1.14 cfs 0.092 af

SubcatchmentP3-10: Bldg D F Parking Runoff Area=21,907 sf 82.68% Impervious Runoff Depth=3.48"
Tc=6.0 min CN=88 Runoff=2.01 cfs 0.146 af

SubcatchmentP3-13: Courtyard Runoff Area=60,671 sf 10.97% Impervious Runoff Depth=0.38"
Tc=6.0 min CN=45 Runoff=0.22 cfs 0.044 af

SubcatchmentP3-14: Overland Flow Runoff Area=5,263 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.002 af

SubcatchmentP3-15: Bio-Retention Area Runoff Area=6,714 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.002 af

SubcatchmentP3-16: Swale Runoff Area=16,983 sf 39.46% Impervious Runoff Depth=1.32"
Tc=6.0 min CN=62 Runoff=0.55 cfs 0.043 af

SubcatchmentP3-17: Drywell 3-2 Runoff Area=507 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-18: Drywell 3-3 Runoff Area=712 sf 10.25% Impervious Runoff Depth=0.38"
Tc=6.0 min CN=45 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-19: Drywell 3-4 Runoff Area=507 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-2: Building B Runoff Area=10,546 sf 100.00% Impervious Runoff Depth=4.56"
Tc=6.0 min CN=98 Runoff=1.14 cfs 0.092 af

SubcatchmentP3-20: Drywell 3-5 Runoff Area=633 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-21: Drywell 3-6 Runoff Area=637 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-22: Drywell 3-7 Runoff Area=517 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-23: Drywell 3-8 Runoff Area=215 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-24: Drywell 1-1 Runoff Area=636 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-25: Drywell 1-2 Runoff Area=627 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-26: Drywell 1-3 Runoff Area=395 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-27: Drywell 1-4 Runoff Area=1,722 sf 8.54% Impervious Runoff Depth=0.26"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-28: Drywell 1-5 Runoff Area=1,492 sf 8.31% Impervious Runoff Depth=0.23"
Tc=6.0 min UI Adjusted CN=41 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-29: Drywell 1-6 Runoff Area=3,640 sf 6.07% Impervious Runoff Depth=0.23"
Tc=6.0 min UI Adjusted CN=41 Runoff=0.00 cfs 0.002 af

SubcatchmentP3-3: Building E Runoff Area=10,040 sf 100.00% Impervious Runoff Depth=4.56"
Tc=6.0 min CN=98 Runoff=1.08 cfs 0.088 af

SubcatchmentP3-30: Drywell 1-7 Runoff Area=3,902 sf 1.87% Impervious Runoff Depth=0.19"
Tc=6.0 min CN=40 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-31: Drywell 1-8 Runoff Area=513 sf 14.23% Impervious Runoff Depth=0.47"
Tc=6.0 min CN=47 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-32: Drywell 1-9 Runoff Area=3,861 sf 10.33% Impervious Runoff Depth=0.26"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.01 cfs 0.002 af

SubcatchmentP3-33: Drywell 1-10 Runoff Area=1,912 sf 12.45% Impervious Runoff Depth=0.30"
Tc=6.0 min UI Adjusted CN=43 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-34: Drywell 1-11 Runoff Area=1,265 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-35: Drywell 1-12 Runoff Area=1,344 sf 9.45% Impervious Runoff Depth=0.26"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-36: Drywell 1-13 Runoff Area=747 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-37: Drywell 1-14 Runoff Area=703 sf 48.51% Impervious Runoff Depth=1.74"
Tc=6.0 min CN=68 Runoff=0.03 cfs 0.002 af

SubcatchmentP3-38: Drywell 1-15 Runoff Area=625 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-39: Drywell 1-16 Runoff Area=5,649 sf 2.28% Impervious Runoff Depth=0.19"
Tc=6.0 min CN=40 Runoff=0.00 cfs 0.002 af

Subcatchment P3-4: Building F Runoff Area=10,071 sf 100.00% Impervious Runoff Depth=4.56"
Tc=6.0 min CN=98 Runoff=1.09 cfs 0.088 af

Subcatchment P3-40: Drywell 2-1 Runoff Area=370 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-41: Drywell 2-2 Runoff Area=588 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-42: Drywell 2-3 Runoff Area=588 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-43: Drywell 2-4 Runoff Area=825 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-44: Drywell 2-5 Runoff Area=2,582 sf 24.83% Impervious Runoff Depth=0.51"
Tc=6.0 min UI Adjusted CN=48 Runoff=0.02 cfs 0.003 af

Subcatchment P3-45: Drywell 2-6 Runoff Area=1,295 sf 5.64% Impervious Runoff Depth=0.26"
Tc=6.0 min CN=42 Runoff=0.00 cfs 0.001 af

Subcatchment P3-46: Drywell 2-7 Runoff Area=416 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-47: Drywell 2-12 Runoff Area=1,169 sf 0.00% Impervious Runoff Depth=0.16"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment P3-48: Drywell 2-11 Runoff Area=823 sf 22.48% Impervious Runoff Depth=0.51"
Tc=6.0 min UI Adjusted CN=48 Runoff=0.01 cfs 0.001 af

Subcatchment P3-49: Drywell 2-10 Runoff Area=5,744 sf 8.44% Impervious Runoff Depth=0.34"
Tc=6.0 min CN=44 Runoff=0.02 cfs 0.004 af

Subcatchment P3-5: Building D Runoff Area=9,842 sf 100.00% Impervious Runoff Depth=4.56"
Tc=6.0 min CN=98 Runoff=1.06 cfs 0.086 af

Subcatchment P3-50: Drywell 2-9 Runoff Area=3,294 sf 22.53% Impervious Runoff Depth=0.72"
Tc=6.0 min CN=52 Runoff=0.04 cfs 0.005 af

Subcatchment P3-51: Drywell 2-8 Runoff Area=4,300 sf 8.53% Impervious Runoff Depth=0.34"
Tc=6.0 min CN=44 Runoff=0.01 cfs 0.003 af

Subcatchment P3-6: Community Building Runoff Area=3,116 sf 100.00% Impervious Runoff Depth=4.56"
Tc=6.0 min CN=98 Runoff=0.34 cfs 0.027 af

Subcatchment P3-7: Building A and B Runoff Area=35,316 sf 75.32% Impervious Runoff Depth=2.99"
Tc=6.0 min CN=83 Runoff=2.84 cfs 0.202 af

Subcatchment P3-8: Building E Parking Runoff Area=40,318 sf 71.68% Impervious Runoff Depth=2.81"
Tc=6.0 min CN=81 Runoff=3.05 cfs 0.217 af

Subcatchment P3-9: Building F Parking Runoff Area=32,295 sf 83.02% Impervious Runoff Depth=3.48"
Tc=6.0 min CN=88 Runoff=2.96 cfs 0.215 af

Reach 1R: Flow Towards Route 6 and Red Brook Rd Inflow=0.14 cfs 0.031 af
Outflow=0.14 cfs 0.031 af

Reach 2R: Flow to East Perimeter Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Reach 3R: Flow to North Perimeter Inflow=0.00 cfs 0.002 af
Outflow=0.00 cfs 0.002 af

Reach 4R: WQ Swale Avg. Flow Depth=0.16' Max Vel=2.30 fps Inflow=0.55 cfs 0.043 af
n=0.022 L=75.0' S=0.0200 '/' Capacity=5.35 cfs Outflow=0.55 cfs 0.043 af

Reach TS: Total Site Inflow=0.15 cfs 0.034 af
Outflow=0.15 cfs 0.034 af

Pond 1P: MC-4500 Underground Infiltration Peak Elev=64.91' Storage=7,474 cf Inflow=10.02 cfs 0.785 af
Discarded=2.38 cfs 0.785 af Primary=0.00 cfs 0.000 af Outflow=2.38 cfs 0.785 af

Pond 2P: MC-3500 Underground Infiltration Peak Elev=70.03' Storage=1,613 cf Inflow=2.27 cfs 0.184 af
Discarded=0.59 cfs 0.184 af Primary=0.00 cfs 0.000 af Outflow=0.59 cfs 0.184 af

Pond 3P: MC-4500 Underground Infiltration Peak Elev=66.23' Storage=2,631 cf Inflow=3.05 cfs 0.217 af
Discarded=0.60 cfs 0.217 af Primary=0.00 cfs 0.000 af Outflow=0.60 cfs 0.217 af

Pond 4P: MC-3500 Underground Infiltration Peak Elev=72.67' Storage=756 cf Inflow=1.06 cfs 0.086 af
Discarded=0.28 cfs 0.086 af Primary=0.00 cfs 0.000 af Outflow=0.28 cfs 0.086 af

Pond 5P: MC-3500 Underground Infiltration Peak Elev=70.41' Storage=132 cf Inflow=0.34 cfs 0.027 af
Discarded=0.14 cfs 0.027 af Primary=0.00 cfs 0.000 af Outflow=0.14 cfs 0.027 af

Pond 6P: Bio-Retention Area Peak Elev=65.68' Storage=90 cf Inflow=0.00 cfs 0.002 af
Outflow=0.00 cfs 0.000 af

Pond 7P: Area Drain 2 Peak Elev=65.81' Storage=1 cf Inflow=0.39 cfs 0.047 af
12.0" Round Culvert n=0.013 L=55.0' S=0.0200 '/' Outflow=0.39 cfs 0.047 af

Pond 8P: Drywell 3-1 Peak Elev=77.56' Storage=224 cf Inflow=0.55 cfs 0.043 af
Discarded=0.10 cfs 0.035 af Primary=0.30 cfs 0.002 af Outflow=0.40 cfs 0.038 af

Pond 9P: Drywell 3-2 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 10P: Drywell 3-3 Peak Elev=0.01' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 11P: Drywell 3-4 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 12P: Drywell 3-5 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 13P: Drywell 3-6 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 14P: Drywell 3-7 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 15P: Drywell 3-8 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 16P: Drywell 1-1 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 17P: Drywell 1-2 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 18P: Drywell 1-3 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 19P: Drywell 1-4 Peak Elev=0.01' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 20P: Drywell 1-5 Peak Elev=0.01' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 21P: Drywell 1-6 Peak Elev=0.02' Storage=0 cf Inflow=0.00 cfs 0.002 af
Outflow=0.00 cfs 0.002 af

Pond 22P: Drywell 1-7 Peak Elev=0.02' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 23P: Drywell 1-8 Peak Elev=0.01' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 24P: Drywell 1-9 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.002 af
Outflow=0.01 cfs 0.002 af

Pond 25P: Drywell 1-10 Peak Elev=0.02' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 26P: Drywell 1-11 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 27P: Drywell 1-12 Peak Elev=0.01' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 28P: Drywell 1-13 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 29P: Drywell 1-14 Peak Elev=1.29' Storage=16 cf Inflow=0.03 cfs 0.002 af
Outflow=0.01 cfs 0.002 af

Pond 30P: Drywell 1-15 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 31P: Drywell 1-16 Peak Elev=0.02' Storage=0 cf Inflow=0.00 cfs 0.002 af
Outflow=0.00 cfs 0.002 af

Pond 32P: Drywell 2-1 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 33P: Drywell 2-2 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 34P: Drywell 2-4 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 35P: Drywell 2-3 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 36P: Drywell 2-5 Peak Elev=0.11' Storage=2 cf Inflow=0.02 cfs 0.003 af
Outflow=0.01 cfs 0.003 af

Pond 37P: Drywell 2-6 Peak Elev=0.01' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 38P: Drywell 2-7 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 39P: Drywell 2-12 Peak Elev=0.00' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 40P: Drywell 2-11 Peak Elev=0.02' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 41P: Drywell 2-10 Peak Elev=0.06' Storage=1 cf Inflow=0.02 cfs 0.004 af
Outflow=0.02 cfs 0.004 af

Pond 42P: Drywell 2-9 Peak Elev=1.01' Storage=21 cf Inflow=0.04 cfs 0.005 af
Outflow=0.02 cfs 0.005 af

Pond 43P: Drywell 2-8 Peak Elev=0.03' Storage=1 cf Inflow=0.01 cfs 0.003 af
Outflow=0.01 cfs 0.003 af

Total Runoff Area = 8.718 ac Runoff Volume = 1.408 af Average Runoff Depth = 1.94"
53.47% Pervious = 4.661 ac 46.53% Impervious = 4.057 ac

Summary for Subcatchment P1: Flow Towards Route 6 and Red Brook Rd

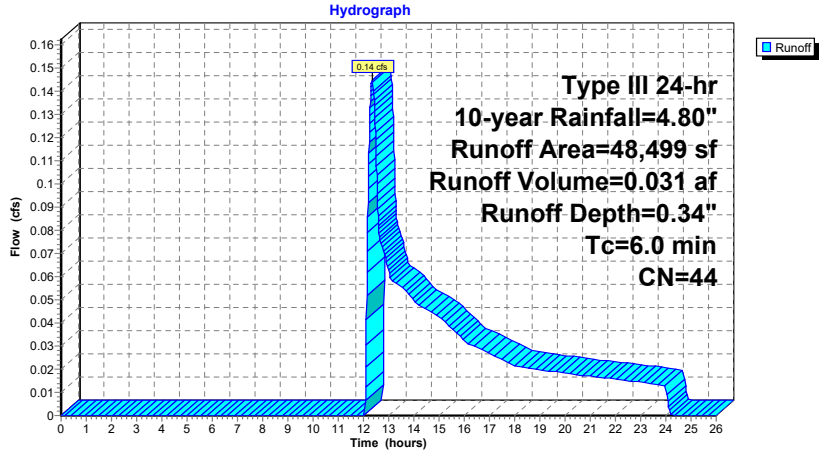
Runoff = 0.14 cfs @ 12.35 hrs, Volume= 0.031 af, Depth= 0.34"
Routed to Reach 1R : Flow Towards Route 6 and Red Brook Rd

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
4,348	98	Paved parking, HSG A
44,151	39	>75% Grass cover, Good, HSG A
48,499	44	Weighted Average
44,151		91.03% Pervious Area
4,348		8.97% Impervious Area

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

Subcatchment P1: Flow Towards Route 6 and Red Brook Rd



Summary for Subcatchment P2: Overland Flow to the East

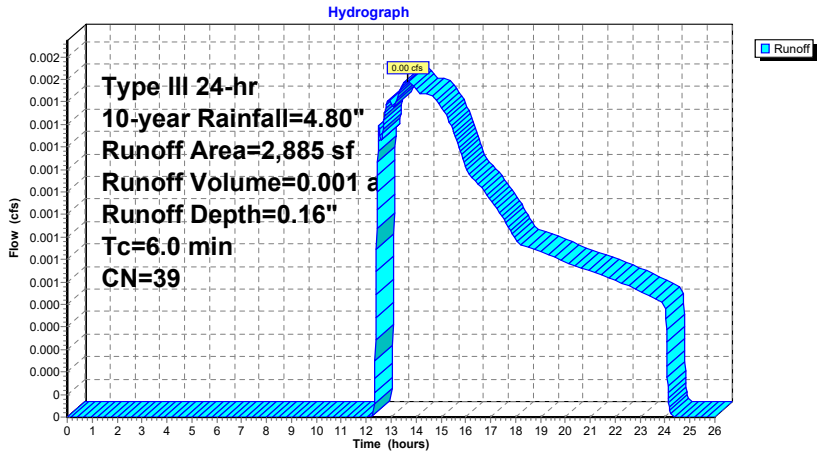
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.001 af, Depth= 0.16"
Routed to Reach 2R : Flow to East Perimeter

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
2,885	39	>75% Grass cover, Good, HSG A
2,885		100.00% Pervious Area

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

Subcatchment P2: Overland Flow to the East



Summary for Subcatchment P3-1: Building A

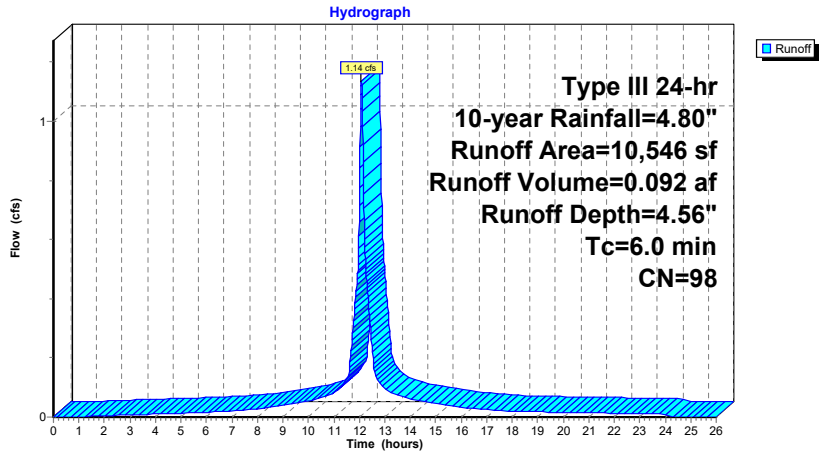
Runoff = 1.14 cfs @ 12.08 hrs, Volume= 0.092 af, Depth= 4.56"
Routed to Pond 2P : MC-3500 Underground Infiltration System 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
10,546	98	Roofs, HSG A
10,546		100.00% Impervious Area

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

Subcatchment P3-1: Building A



Summary for Subcatchment P3-10: Bldg D F Parking

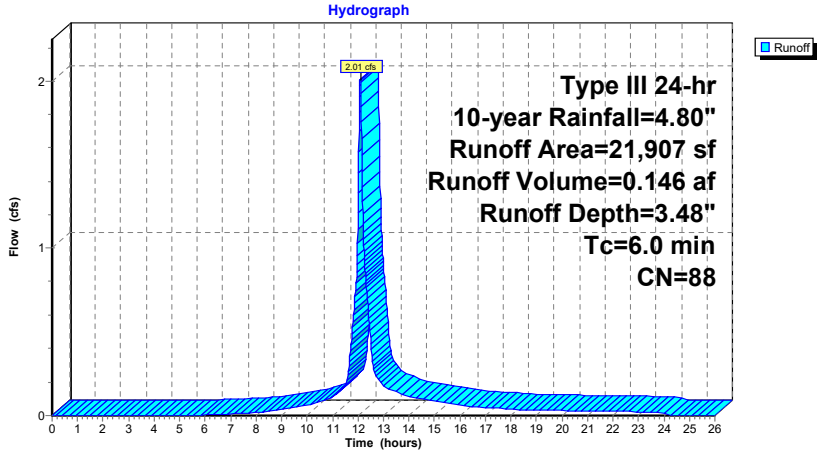
Runoff = 2.01 cfs @ 12.09 hrs, Volume= 0.146 af, Depth= 3.48"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
18,113	98	Paved parking, HSG A
3,794	39	>75% Grass cover, Good, HSG A
21,907	88	Weighted Average
3,794		17.32% Pervious Area
18,113		82.68% Impervious Area

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

Subcatchment P3-10: Bldg D F Parking



Summary for Subcatchment P3-13: Courtyard

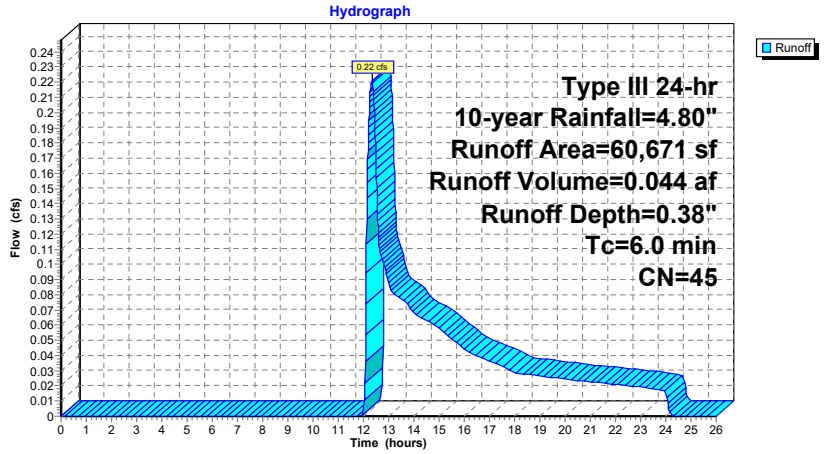
Runoff = 0.22 cfs @ 12.33 hrs, Volume= 0.044 af, Depth= 0.38"
Routed to Pond 7P : Area Drain 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

	Area (sf)	CN	Description
	54,018	39	>75% Grass cover, Good, HSG A
	275	98	Unconnected pavement, HSG A
	803	98	Roofs, HSG A
*	5,575	98	Stone Dust, HSG A
	60,671	45	Weighted Average
	54,018		89.03% Pervious Area
	6,653		10.97% Impervious Area
	275		4.13% Unconnected

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

Subcatchment P3-13: Courtyard



Summary for Subcatchment P3-14: Overland Flow

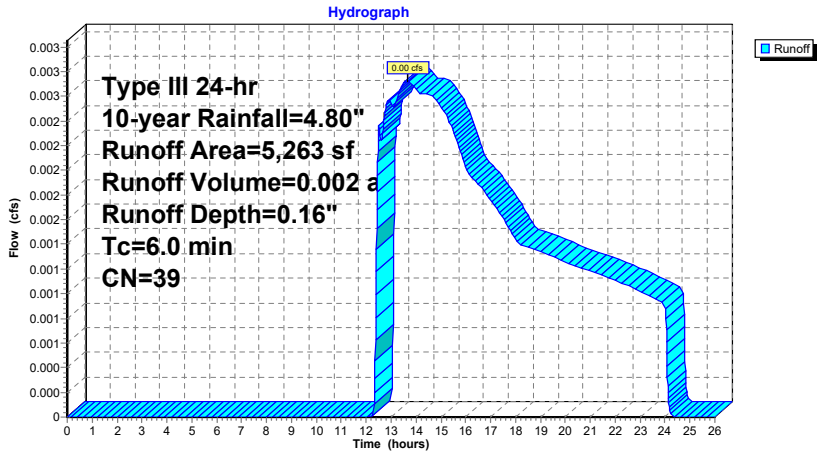
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.002 af, Depth= 0.16"
Routed to Reach 3R : Flow to North Perimeter

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
5,263	39	>75% Grass cover, Good, HSG A
5,263		100.00% Pervious Area

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

Subcatchment P3-14: Overland Flow



Summary for Subcatchment P3-15: Bio-Retention Area

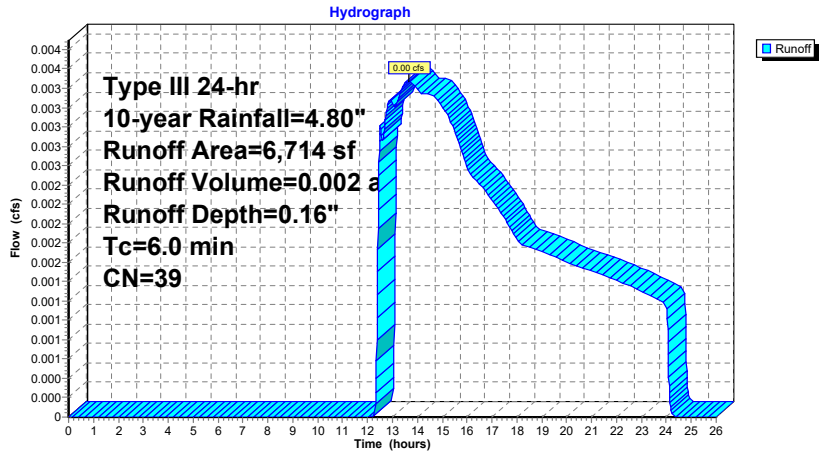
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.002 af, Depth= 0.16"
Routed to Pond 6P : Bio-Retention Area

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
6,714	39	>75% Grass cover, Good, HSG A
6,714		100.00% Pervious Area

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

Subcatchment P3-15: Bio-Retention Area



Summary for Subcatchment P3-16: Swale

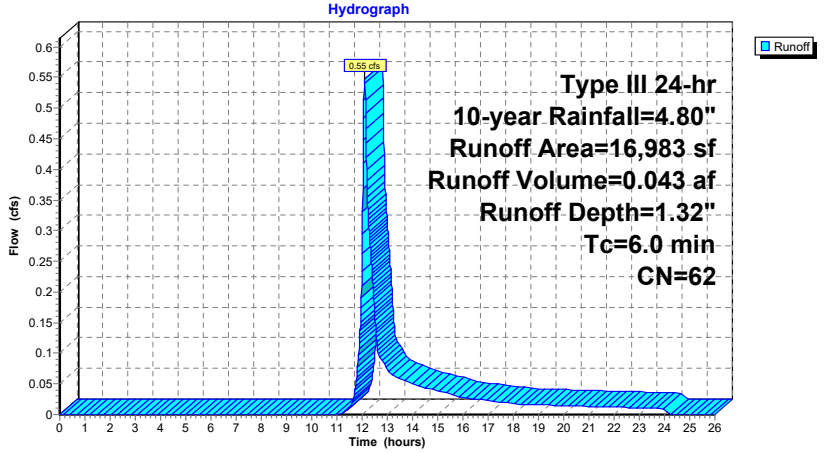
Runoff = 0.55 cfs @ 12.10 hrs, Volume= 0.043 af, Depth= 1.32"
Routed to Reach 4R : WQ Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
6,702	98	Paved parking, HSG A
10,281	39	>75% Grass cover, Good, HSG A
16,983	62	Weighted Average
10,281		60.54% Pervious Area
6,702		39.46% Impervious Area

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

Subcatchment P3-16: Swale



Summary for Subcatchment P3-17: Drywell 3-2

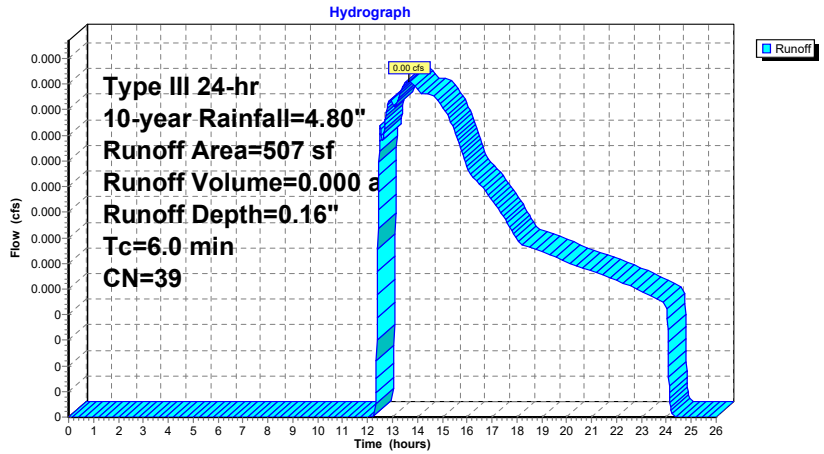
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 9P : Drywell 3-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
507	39	>75% Grass cover, Good, HSG A
507		100.00% Pervious Area

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

Subcatchment P3-17: Drywell 3-2



Summary for Subcatchment P3-18: Drywell 3-3

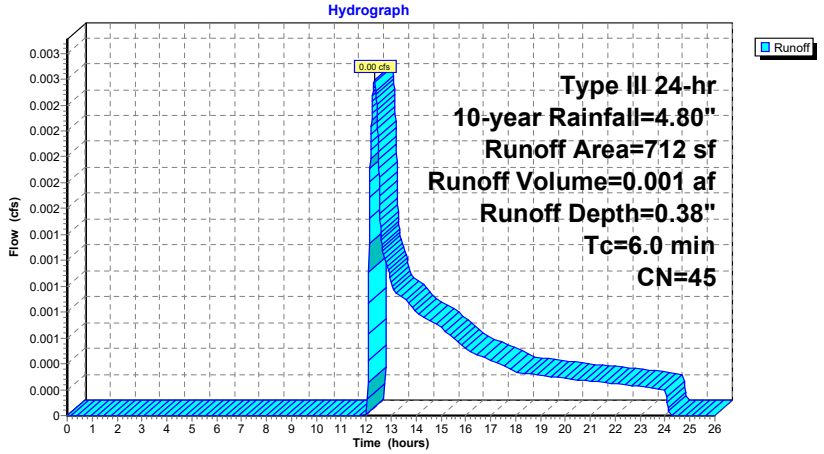
Runoff = 0.00 cfs @ 12.33 hrs, Volume= 0.001 af, Depth= 0.38"
Routed to Pond 10P : Drywell 3-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
73	98	Roofs, HSG A
639	39	>75% Grass cover, Good, HSG A
712	45	Weighted Average
639		89.75% Pervious Area
73		10.25% Impervious Area

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

Subcatchment P3-18: Drywell 3-3



Summary for Subcatchment P3-19: Drywell 3-4

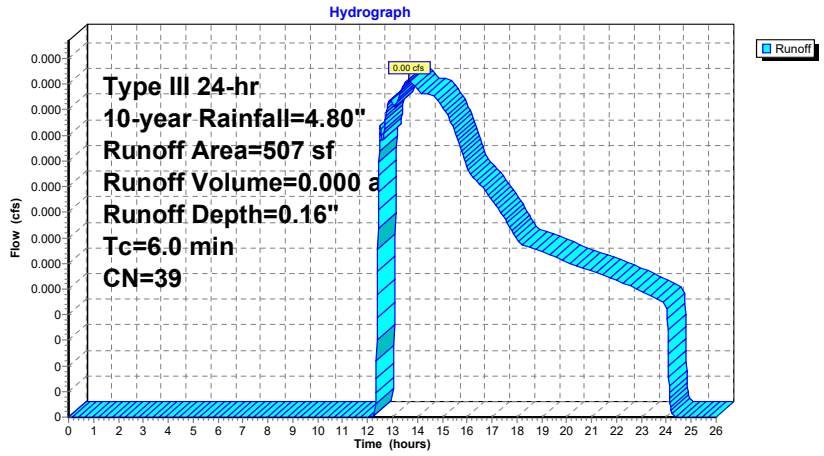
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 11P : Drywell 3-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
507	39	>75% Grass cover, Good, HSG A
507		100.00% Pervious Area

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

Subcatchment P3-19: Drywell 3-4



Summary for Subcatchment P3-2: Building B

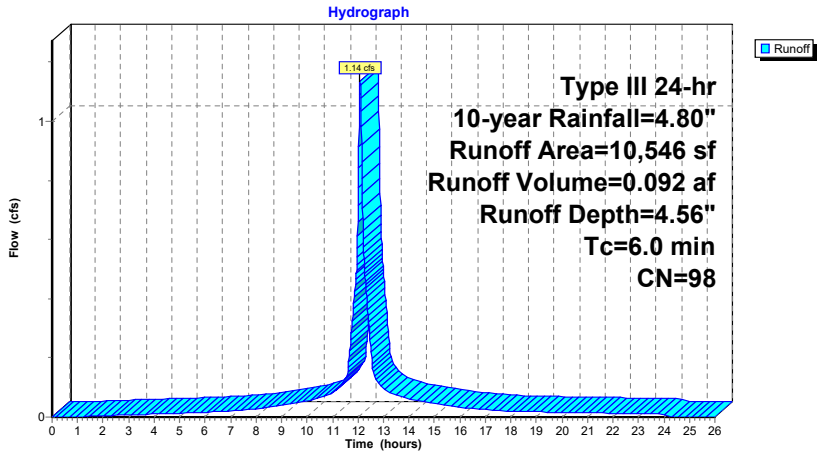
Runoff = 1.14 cfs @ 12.08 hrs, Volume= 0.092 af, Depth= 4.56"
Routed to Pond 2P : MC-3500 Underground Infiltration System 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
10,546	98	Roofs, HSG A
10,546		100.00% Impervious Area

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

Subcatchment P3-2: Building B



Summary for Subcatchment P3-20: Drywell 3-5

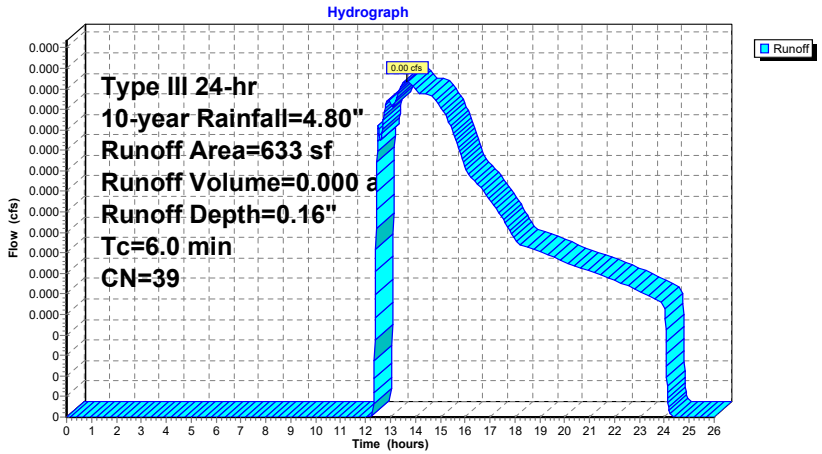
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 12P : Drywell 3-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
633	39	>75% Grass cover, Good, HSG A
633		100.00% Pervious Area

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

Subcatchment P3-20: Drywell 3-5



Summary for Subcatchment P3-21: Drywell 3-6

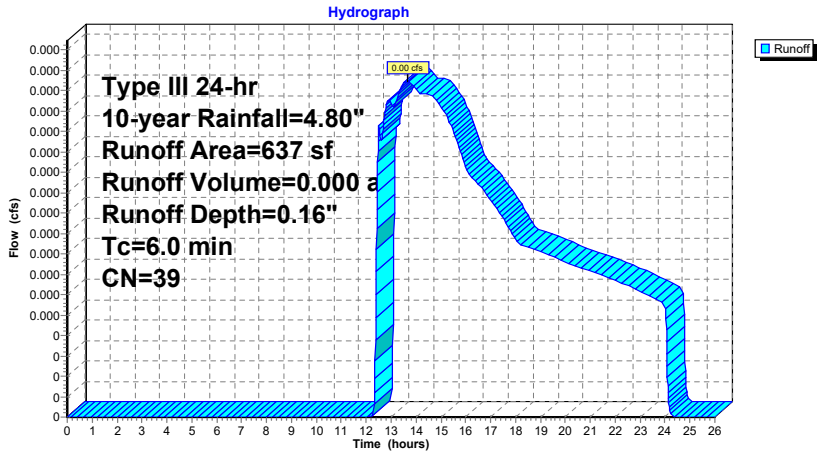
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 13P : Drywell 3-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
637	39	>75% Grass cover, Good, HSG A
637		100.00% Pervious Area

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

Subcatchment P3-21: Drywell 3-6



Summary for Subcatchment P3-22: Drywell 3-7

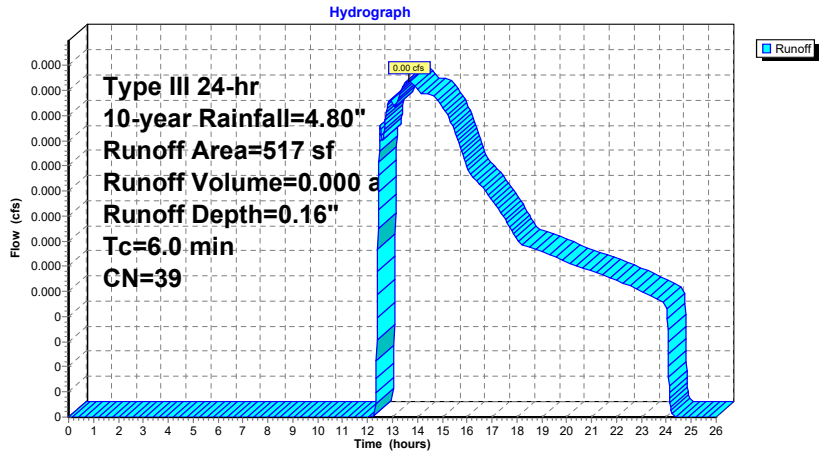
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 14P : Drywell 3-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
517	39	>75% Grass cover, Good, HSG A
517		100.00% Pervious Area

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

Subcatchment P3-22: Drywell 3-7



Summary for Subcatchment P3-23: Drywell 3-8

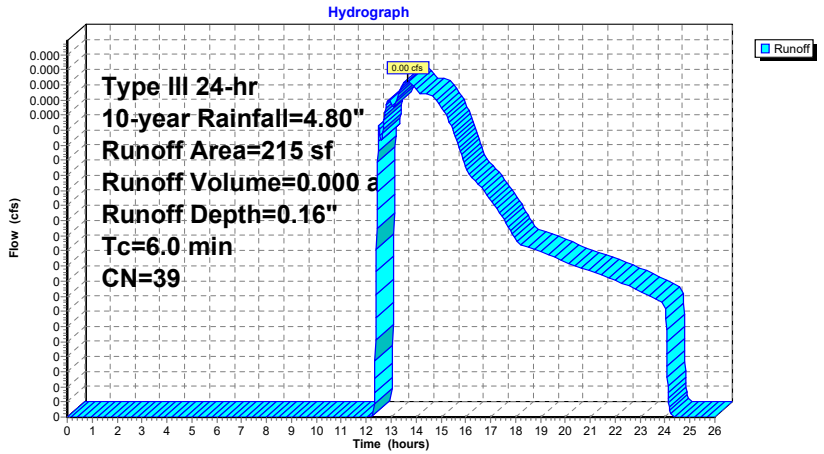
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 15P : Drywell 3-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
215	39	>75% Grass cover, Good, HSG A
215		100.00% Pervious Area

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

Subcatchment P3-23: Drywell 3-8



Summary for Subcatchment P3-24: Drywell 1-1

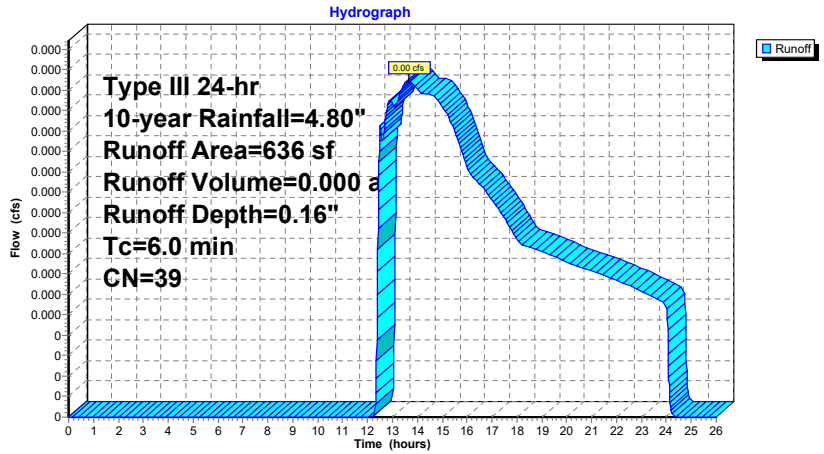
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 16P : Drywell 1-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
636	39	>75% Grass cover, Good, HSG A
636		100.00% Pervious Area

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

Subcatchment P3-24: Drywell 1-1



Summary for Subcatchment P3-25: Drywell 1-2

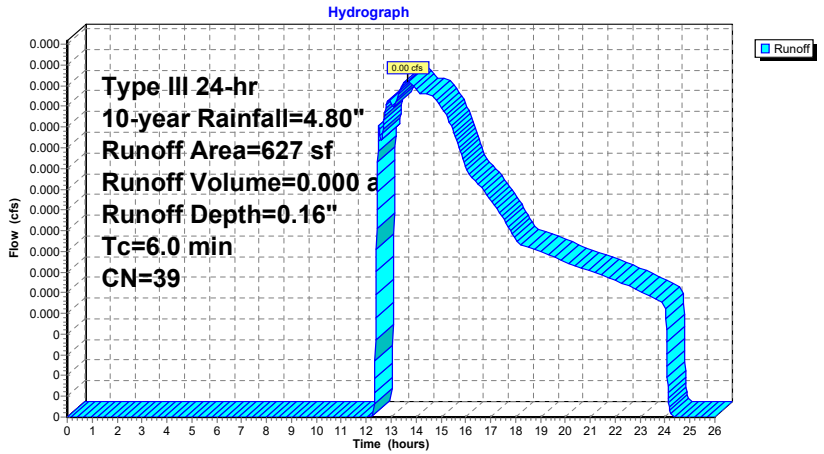
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 17P : Drywell 1-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
627	39	>75% Grass cover, Good, HSG A
627		100.00% Pervious Area

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

Subcatchment P3-25: Drywell 1-2



Summary for Subcatchment P3-26: Drywell 1-3

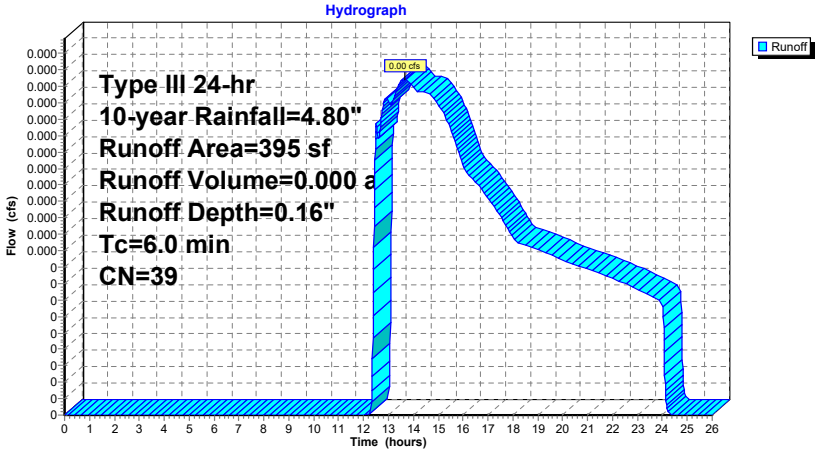
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 18P : Drywell 1-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
395	39	>75% Grass cover, Good, HSG A
395		100.00% Pervious Area

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

Subcatchment P3-26: Drywell 1-3



Summary for Subcatchment P3-27: Drywell 1-4

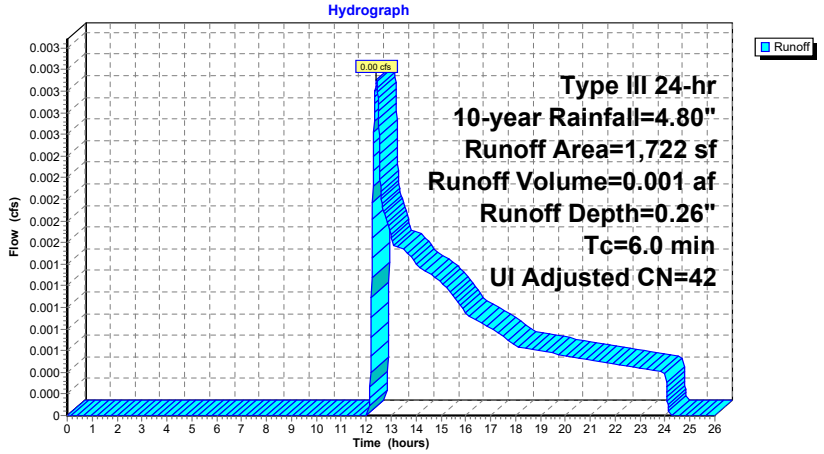
Runoff = 0.00 cfs @ 12.41 hrs, Volume= 0.001 af, Depth= 0.26"
Routed to Pond 19P : Drywell 1-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
1,575	39		>75% Grass cover, Good, HSG A
147	98		Unconnected pavement, HSG A
1,722	44	42	Weighted Average, UI Adjusted
1,575			91.46% Pervious Area
147			8.54% Impervious Area
147			100.00% Unconnected

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

Subcatchment P3-27: Drywell 1-4



Summary for Subcatchment P3-28: Drywell 1-5

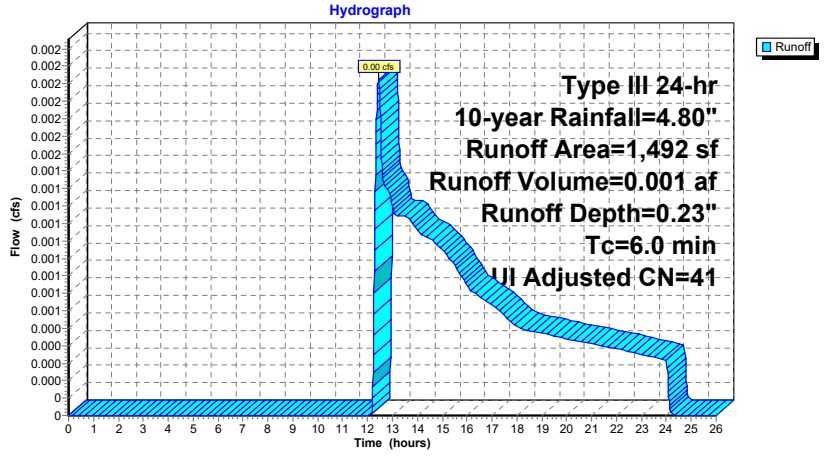
Runoff = 0.00 cfs @ 12.44 hrs, Volume= 0.001 af, Depth= 0.23"
Routed to Pond 20P : Drywell 1-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
1,368	39		>75% Grass cover, Good, HSG A
124	98		Unconnected pavement, HSG A
1,492	44	41	Weighted Average, UI Adjusted
1,368			91.69% Pervious Area
124			8.31% Impervious Area
124			100.00% Unconnected

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

Subcatchment P3-28: Drywell 1-5



Summary for Subcatchment P3-29: Drywell 1-6

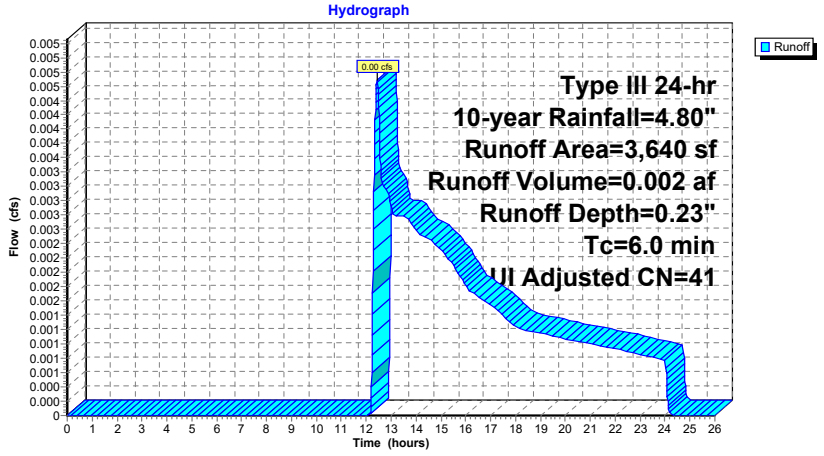
Runoff = 0.00 cfs @ 12.44 hrs, Volume= 0.002 af, Depth= 0.23"
Routed to Pond 21P : Drywell 1-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
3,419	39		>75% Grass cover, Good, HSG A
221	98		Unconnected pavement, HSG A
3,640	43	41	Weighted Average, UI Adjusted
3,419			93.93% Pervious Area
221			6.07% Impervious Area
221			100.00% Unconnected

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

Subcatchment P3-29: Drywell 1-6



Summary for Subcatchment P3-3: Building E

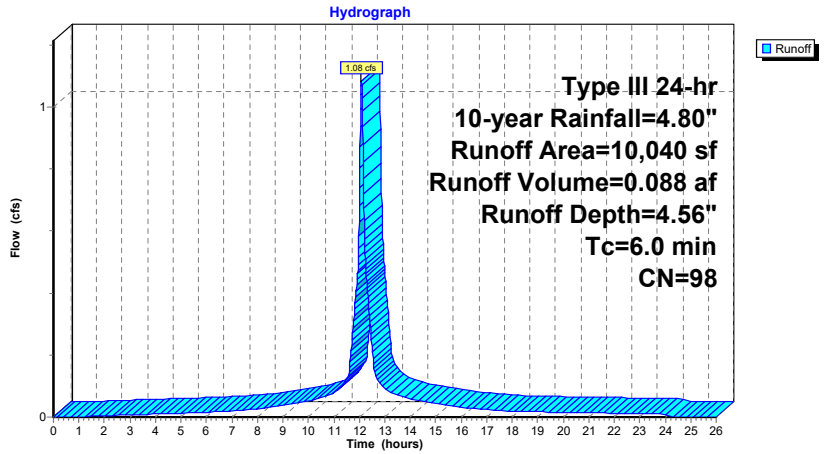
Runoff = 1.08 cfs @ 12.08 hrs, Volume= 0.088 af, Depth= 4.56"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
10,040	98	Roofs, HSG A
10,040		100.00% Impervious Area

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

Subcatchment P3-3: Building E



Summary for Subcatchment P3-30: Drywell 1-7

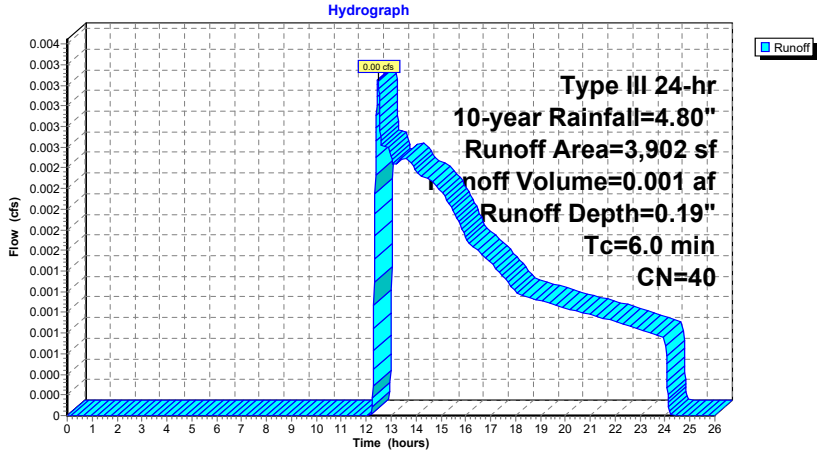
Runoff = 0.00 cfs @ 12.47 hrs, Volume= 0.001 af, Depth= 0.19"
Routed to Pond 22P : Drywell 1-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
3,829	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
3,902	40	Weighted Average
3,829		98.13% Pervious Area
73		1.87% Impervious Area

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

Subcatchment P3-30: Drywell 1-7



Summary for Subcatchment P3-31: Drywell 1-8

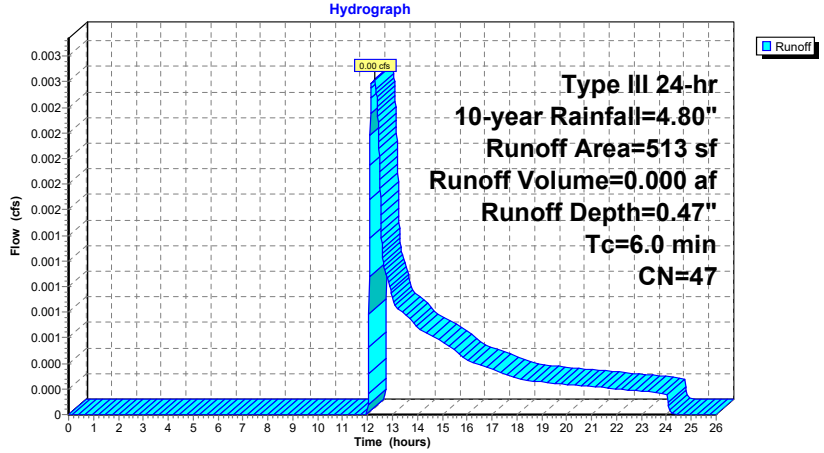
Runoff = 0.00 cfs @ 12.27 hrs, Volume= 0.000 af, Depth= 0.47"
Routed to Pond 23P : Drywell 1-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
440	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
513	47	Weighted Average
440		85.77% Pervious Area
73		14.23% Impervious Area

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

Subcatchment P3-31: Drywell 1-8



Summary for Subcatchment P3-32: Drywell 1-9

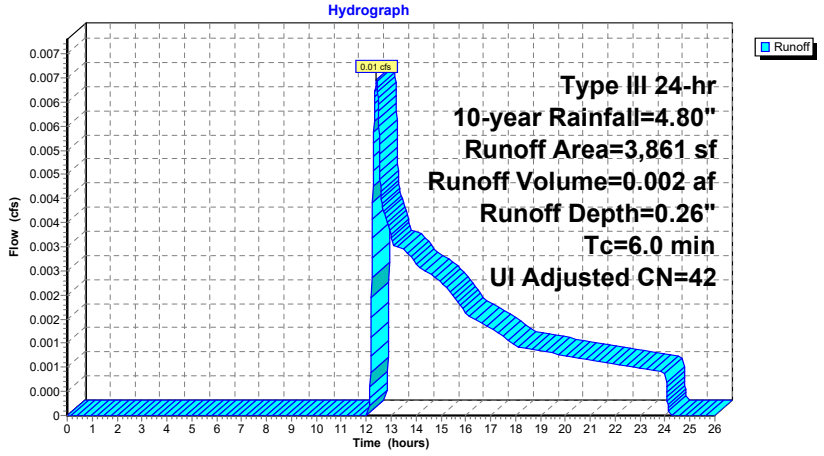
Runoff = 0.01 cfs @ 12.41 hrs, Volume= 0.002 af, Depth= 0.26"
Routed to Pond 24P : Drywell 1-9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
3,462	39		>75% Grass cover, Good, HSG A
399	98		Unconnected pavement, HSG A
3,861	45	42	Weighted Average, UI Adjusted
3,462			89.67% Pervious Area
399			10.33% Impervious Area
399			100.00% Unconnected

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

Subcatchment P3-32: Drywell 1-9



Summary for Subcatchment P3-33: Drywell 1-10

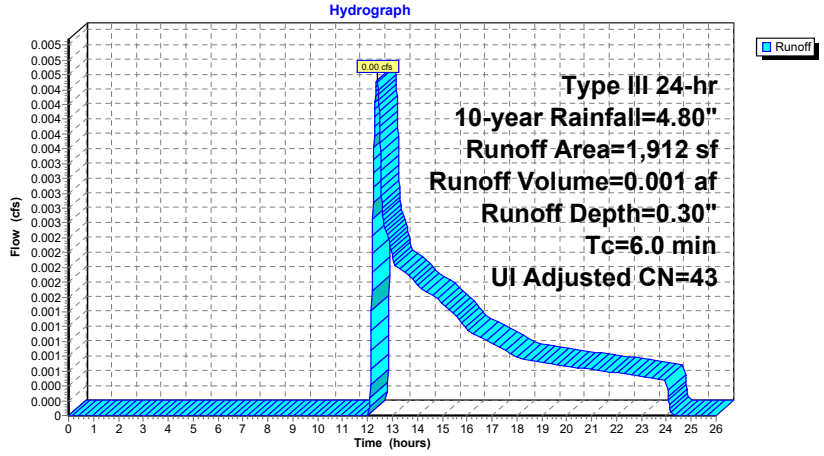
Runoff = 0.00 cfs @ 12.38 hrs, Volume= 0.001 af, Depth= 0.30"
Routed to Pond 25P : Drywell 1-10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
1,674	39		>75% Grass cover, Good, HSG A
238	98		Unconnected pavement, HSG A
1,912	46	43	Weighted Average, UI Adjusted
1,674			87.55% Pervious Area
238			12.45% Impervious Area
238			100.00% Unconnected

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

Subcatchment P3-33: Drywell 1-10



Summary for Subcatchment P3-34: Drywell 1-11

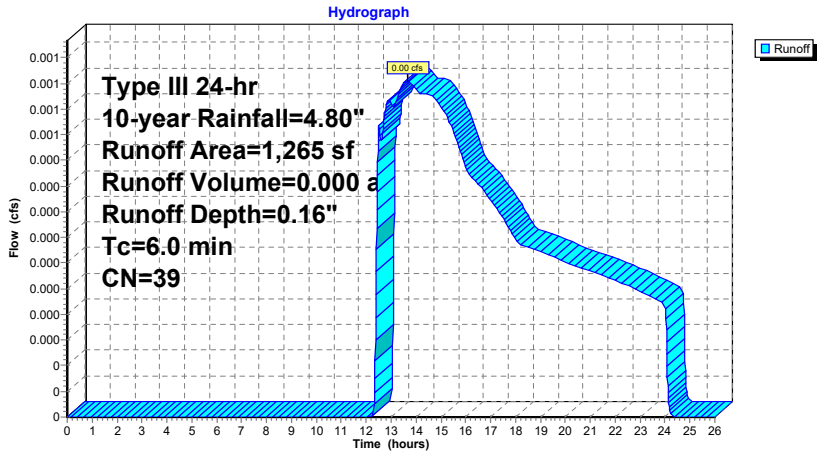
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 26P : Drywell 1-11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
1,265	39	>75% Grass cover, Good, HSG A
1,265		100.00% Pervious Area

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

Subcatchment P3-34: Drywell 1-11



Summary for Subcatchment P3-35: Drywell 1-12

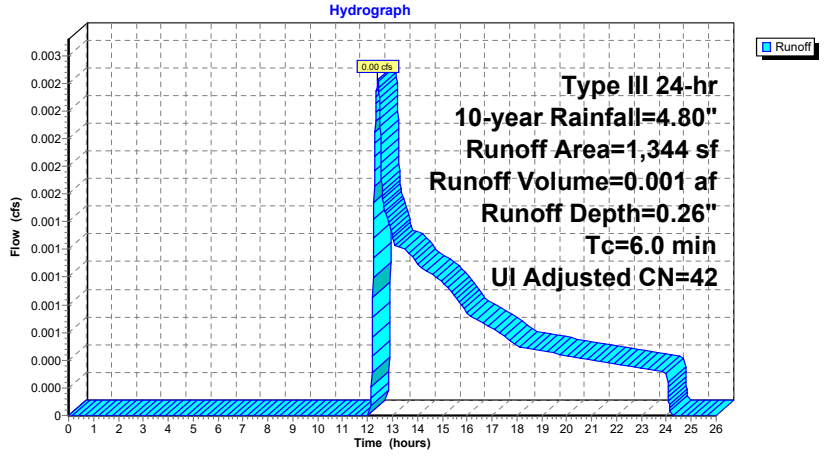
Runoff = 0.00 cfs @ 12.41 hrs, Volume= 0.001 af, Depth= 0.26"
Routed to Pond 27P : Drywell 1-12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
1,217	39		>75% Grass cover, Good, HSG A
127	98		Unconnected pavement, HSG A
1,344	45	42	Weighted Average, UI Adjusted
1,217			90.55% Pervious Area
127			9.45% Impervious Area
127			100.00% Unconnected

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

Subcatchment P3-35: Drywell 1-12



Summary for Subcatchment P3-36: Drywell 1-13

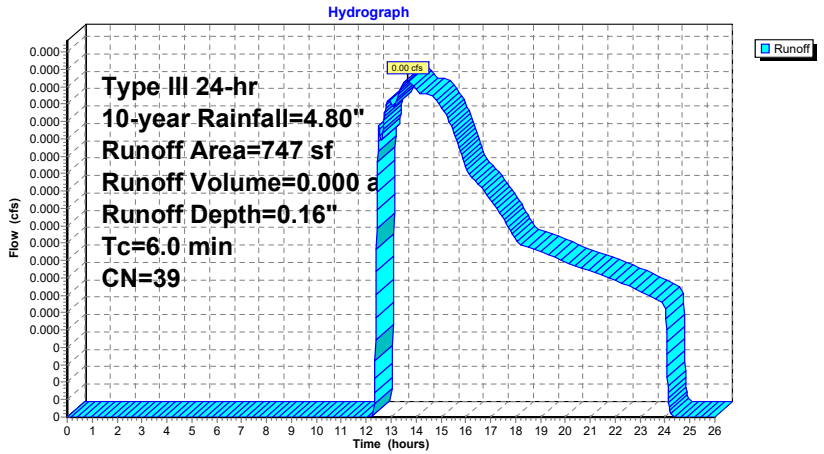
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 28P : Drywell 1-13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
747	39	>75% Grass cover, Good, HSG A
747		100.00% Pervious Area

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

Subcatchment P3-36: Drywell 1-13



Summary for Subcatchment P3-37: Drywell 1-14

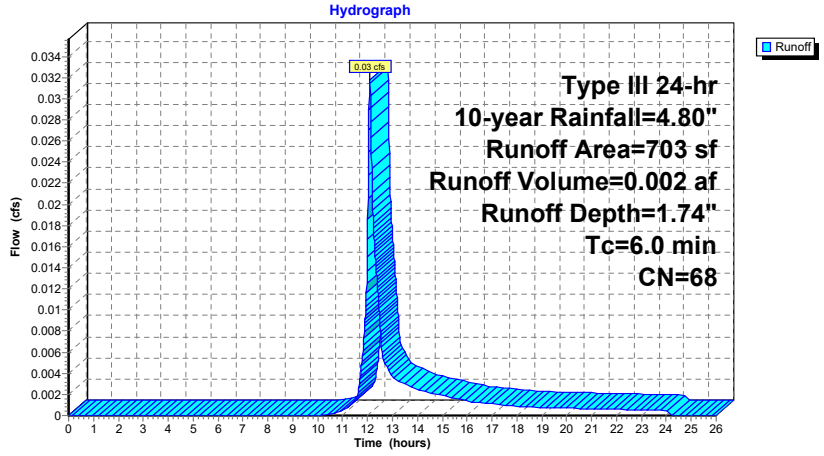
Runoff = 0.03 cfs @ 12.09 hrs, Volume= 0.002 af, Depth= 1.74"
Routed to Pond 29P : Drywell 1-14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
362	39	>75% Grass cover, Good, HSG A
341	98	Unconnected pavement, HSG A
703	68	Weighted Average
362		51.49% Pervious Area
341		48.51% Impervious Area
341		100.00% Unconnected

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

Subcatchment P3-37: Drywell 1-14



Summary for Subcatchment P3-38: Drywell 1-15

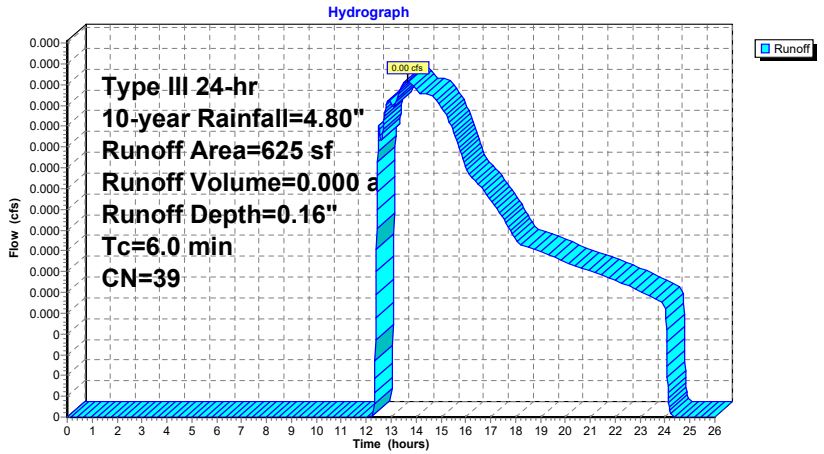
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 30P : Drywell 1-15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
625	39	>75% Grass cover, Good, HSG A
625		100.00% Pervious Area

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

Subcatchment P3-38: Drywell 1-15



Summary for Subcatchment P3-39: Drywell 1-16

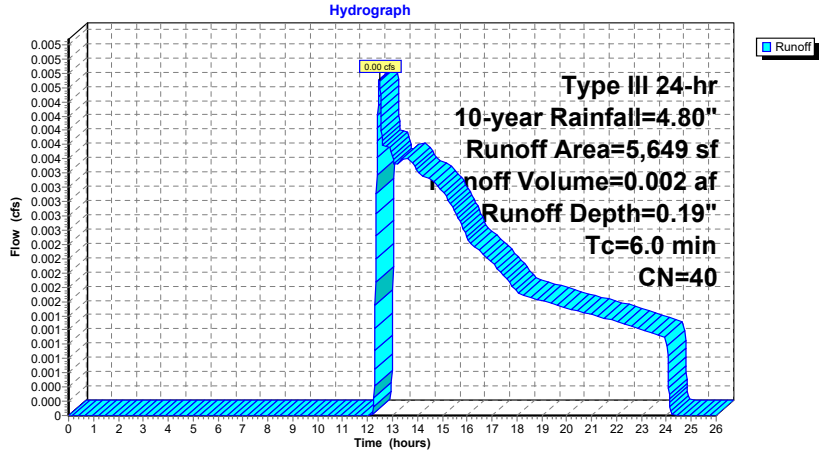
Runoff = 0.00 cfs @ 12.47 hrs, Volume= 0.002 af, Depth= 0.19"
Routed to Pond 31P : Drywell 1-16

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
5,520	39	>75% Grass cover, Good, HSG A
129	98	Unconnected pavement, HSG A
5,649	40	Weighted Average
5,520		97.72% Pervious Area
129		2.28% Impervious Area
129		100.00% Unconnected

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

Subcatchment P3-39: Drywell 1-16



Summary for Subcatchment P3-4: Building F

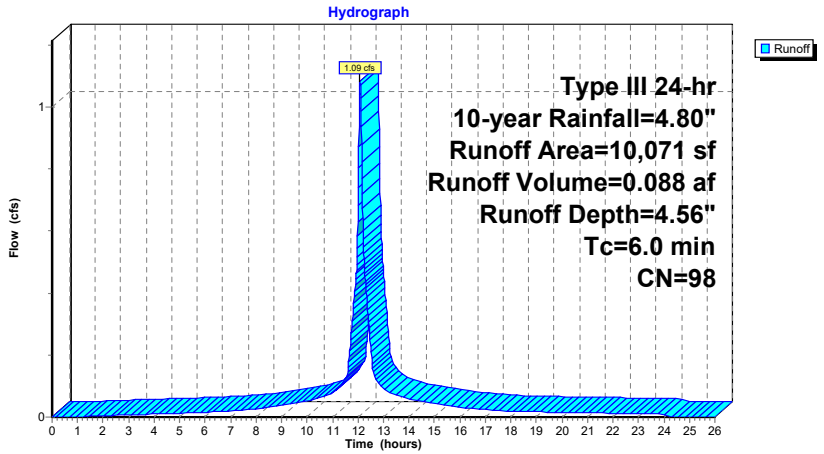
Runoff = 1.09 cfs @ 12.08 hrs, Volume= 0.088 af, Depth= 4.56"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
10,071	98	Roofs, HSG A
10,071		100.00% Impervious Area

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

Subcatchment P3-4: Building F



Summary for Subcatchment P3-40: Drywell 2-1

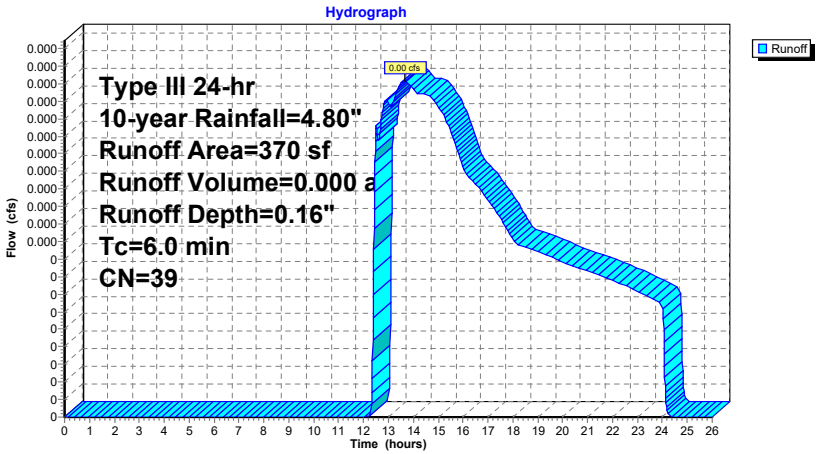
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 32P : Drywell 2-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
370	39	>75% Grass cover, Good, HSG A
370		100.00% Pervious Area

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

Subcatchment P3-40: Drywell 2-1



Summary for Subcatchment P3-41: Drywell 2-2

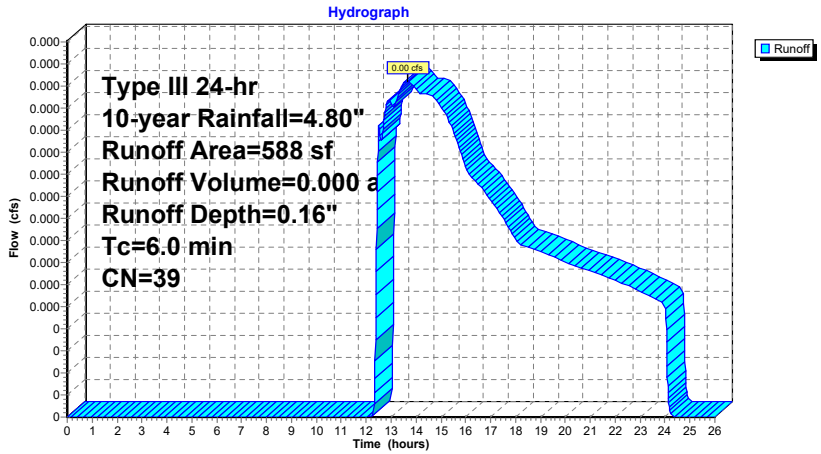
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 33P : Drywell 2-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
588	39	>75% Grass cover, Good, HSG A
588		100.00% Pervious Area

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

Subcatchment P3-41: Drywell 2-2



Summary for Subcatchment P3-42: Drywell 2-3

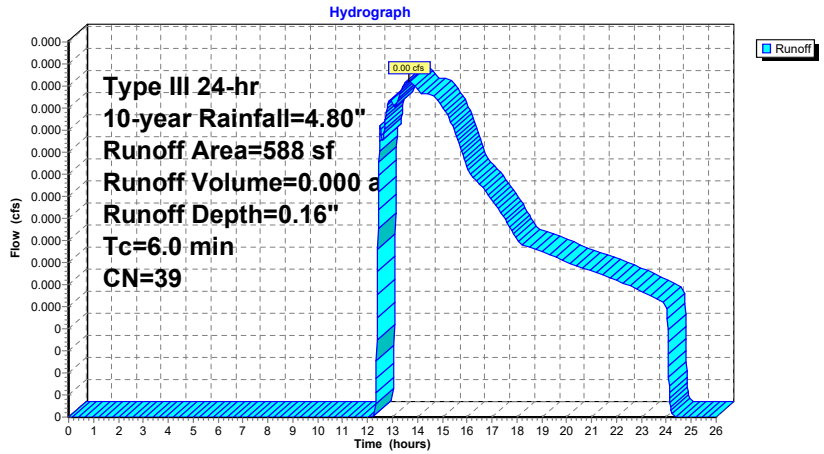
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 35P : Drywell 2-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
588	39	>75% Grass cover, Good, HSG A
588		100.00% Pervious Area

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

Subcatchment P3-42: Drywell 2-3



Summary for Subcatchment P3-43: Drywell 2-4

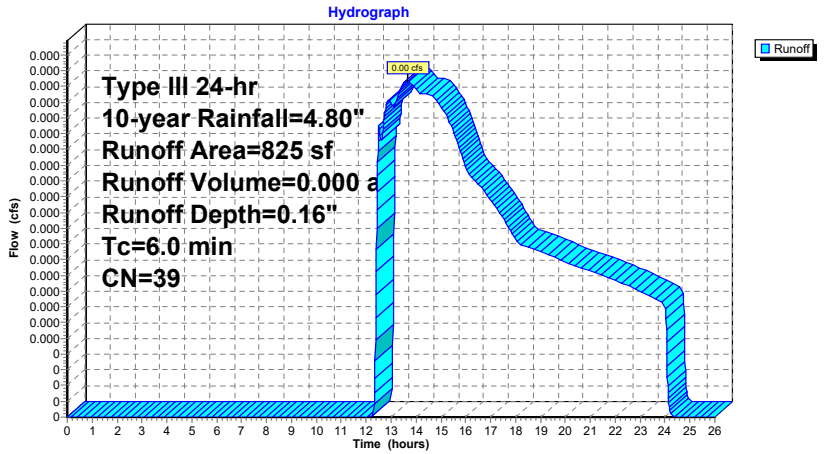
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 34P : Drywell 2-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
825	39	>75% Grass cover, Good, HSG A
825		100.00% Pervious Area

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

Subcatchment P3-43: Drywell 2-4



Summary for Subcatchment P3-44: Drywell 2-5

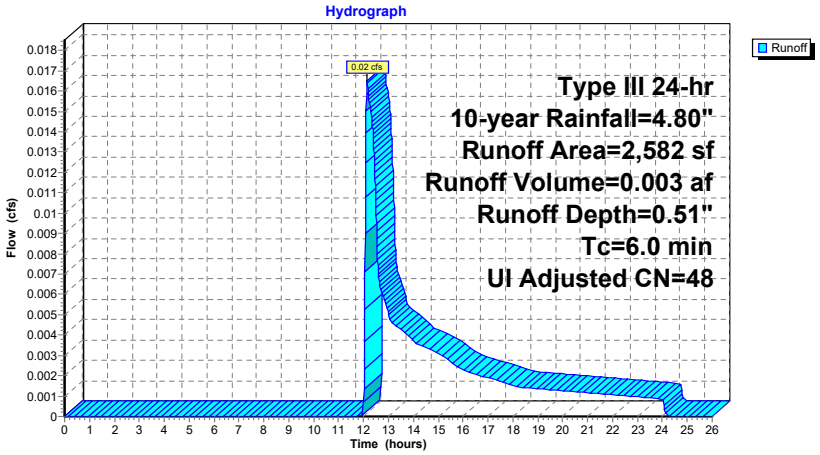
Runoff = 0.02 cfs @ 12.14 hrs, Volume= 0.003 af, Depth= 0.51"
Routed to Pond 36P : Drywell 2-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
1,941	39		>75% Grass cover, Good, HSG A
495	98		Unconnected pavement, HSG A
146	98		Roofs, HSG A
2,582	54	48	Weighted Average, UI Adjusted
1,941			75.17% Pervious Area
641			24.83% Impervious Area
495			77.22% Unconnected

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

Subcatchment P3-44: Drywell 2-5



Summary for Subcatchment P3-45: Drywell 2-6

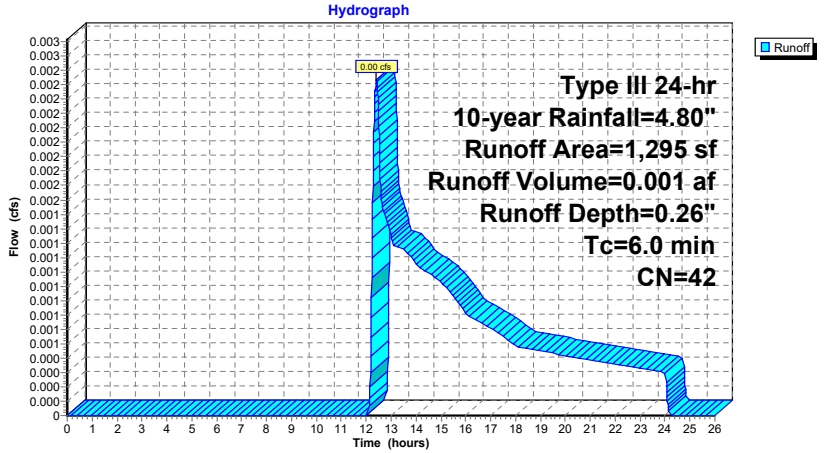
Runoff = 0.00 cfs @ 12.41 hrs, Volume= 0.001 af, Depth= 0.26"
Routed to Pond 37P : Drywell 2-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
1,222	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
1,295	42	Weighted Average
1,222		94.36% Pervious Area
73		5.64% Impervious Area

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

Subcatchment P3-45: Drywell 2-6



Summary for Subcatchment P3-46: Drywell 2-7

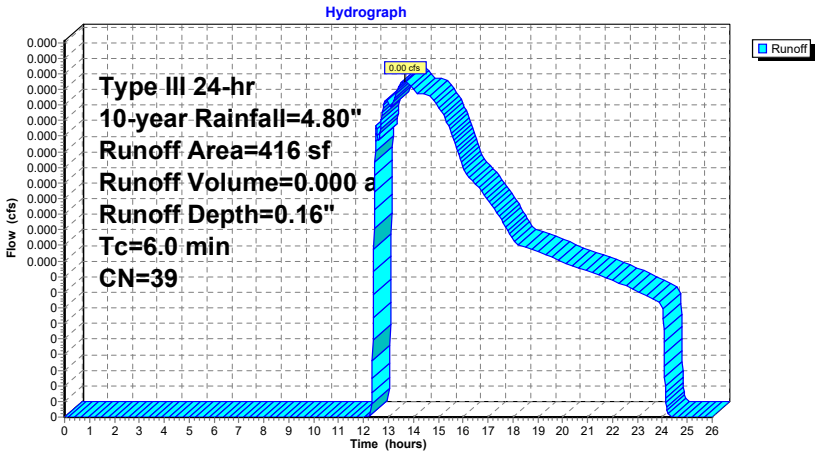
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 38P : Drywell 2-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
416	39	>75% Grass cover, Good, HSG A
416		100.00% Pervious Area

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

Subcatchment P3-46: Drywell 2-7



Summary for Subcatchment P3-47: Drywell 2-12

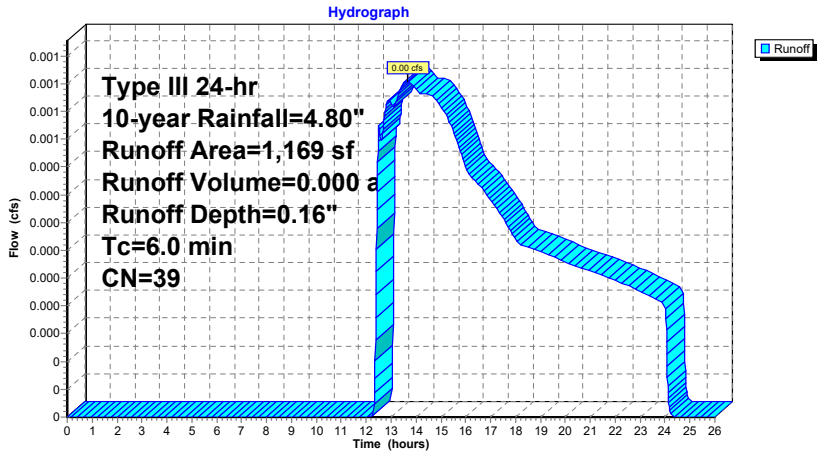
Runoff = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af, Depth= 0.16"
Routed to Pond 39P : Drywell 2-12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
1,169	39	>75% Grass cover, Good, HSG A
1,169		100.00% Pervious Area

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

Subcatchment P3-47: Drywell 2-12



Summary for Subcatchment P3-48: Drywell 2-11

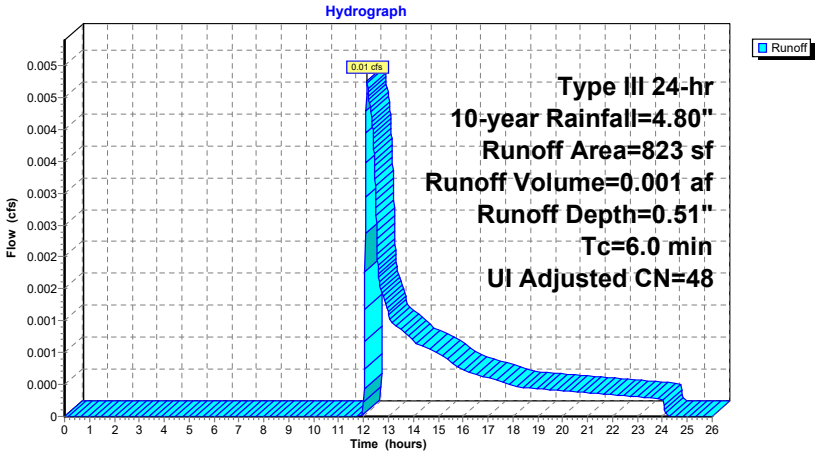
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.51"
Routed to Pond 40P : Drywell 2-11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Adj	Description
638	39		>75% Grass cover, Good, HSG A
112	98		Unconnected pavement, HSG A
73	98		Roofs, HSG A
823	52	48	Weighted Average, UI Adjusted
638			77.52% Pervious Area
185			22.48% Impervious Area
112			60.54% Unconnected

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

Subcatchment P3-48: Drywell 2-11



Summary for Subcatchment P3-49: Drywell 2-10

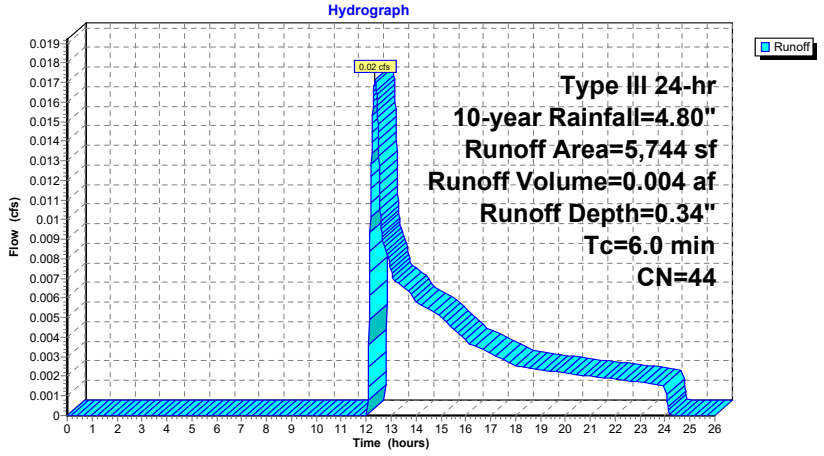
Runoff = 0.02 cfs @ 12.35 hrs, Volume= 0.004 af, Depth= 0.34"
Routed to Pond 41P : Drywell 2-10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

	Area (sf)	CN	Description
	5,259	39	>75% Grass cover, Good, HSG A
*	412	98	Stone Dust Walk, HSG A
	73	98	Roofs, HSG A
	5,744	44	Weighted Average
	5,259		91.56% Pervious Area
	485		8.44% Impervious Area

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

Subcatchment P3-49: Drywell 2-10



Summary for Subcatchment P3-5: Building D

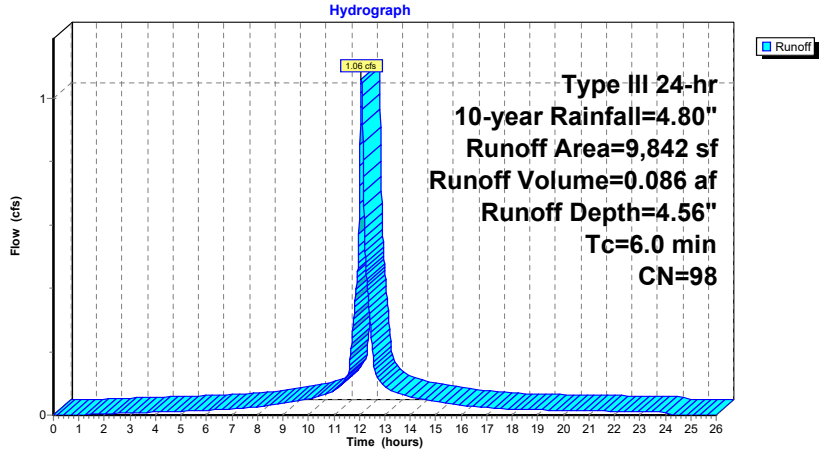
Runoff = 1.06 cfs @ 12.08 hrs, Volume= 0.086 af, Depth= 4.56"
Routed to Pond 4P : MC-3500 Underground Infiltration System 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
9,842	98	Roofs, HSG A
9,842		100.00% Impervious Area

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

Subcatchment P3-5: Building D



Summary for Subcatchment P3-50: Drywell 2-9

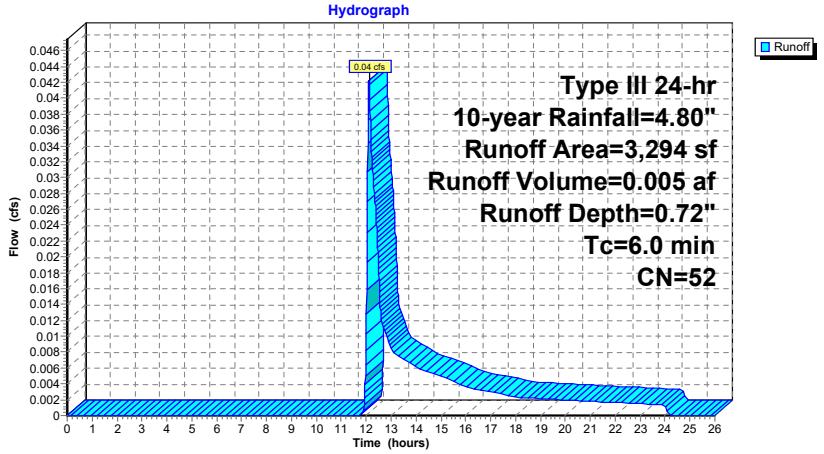
Runoff = 0.04 cfs @ 12.12 hrs, Volume= 0.005 af, Depth= 0.72"
Routed to Pond 42P : Drywell 2-9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

	Area (sf)	CN	Description
	2,552	39	>75% Grass cover, Good, HSG A
*	596	98	Stone Dust Walk, HSG A
	146	98	Roofs, HSG A
	3,294	52	Weighted Average
	2,552		77.47% Pervious Area
	742		22.53% Impervious Area

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

Subcatchment P3-50: Drywell 2-9



Summary for Subcatchment P3-51: Drywell 2-8

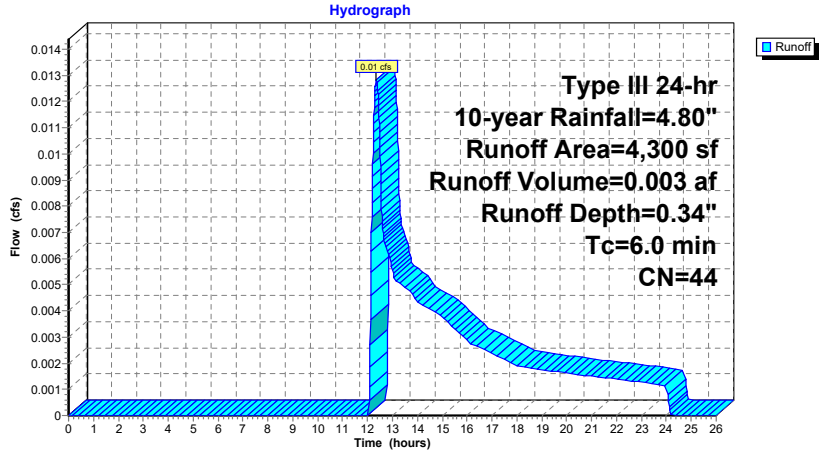
Runoff = 0.01 cfs @ 12.35 hrs, Volume= 0.003 af, Depth= 0.34"
Routed to Pond 43P : Drywell 2-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

	Area (sf)	CN	Description
	3,933	39	>75% Grass cover, Good, HSG A
*	221	98	Stone Dust Walk, HSG A
	146	98	Roofs, HSG A
	4,300	44	Weighted Average
	3,933		91.47% Pervious Area
	367		8.53% Impervious Area

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

Subcatchment P3-51: Drywell 2-8



Summary for Subcatchment P3-6: Community Building

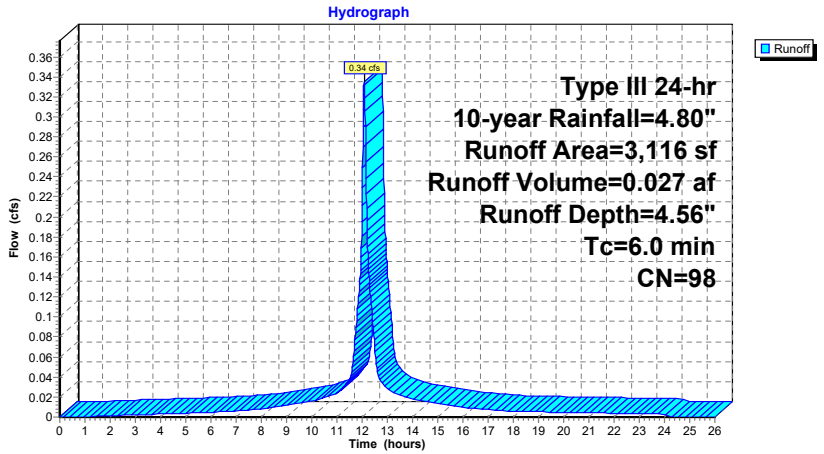
Runoff = 0.34 cfs @ 12.08 hrs, Volume= 0.027 af, Depth= 4.56"
Routed to Pond 5P : MC-3500 Underground Infiltration System 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

	Area (sf)	CN	Description
	3,116	98	Roofs, HSG A
	3,116		100.00% Impervious Area

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

Subcatchment P3-6: Community Building



Summary for Subcatchment P3-7: Building A and B Parking

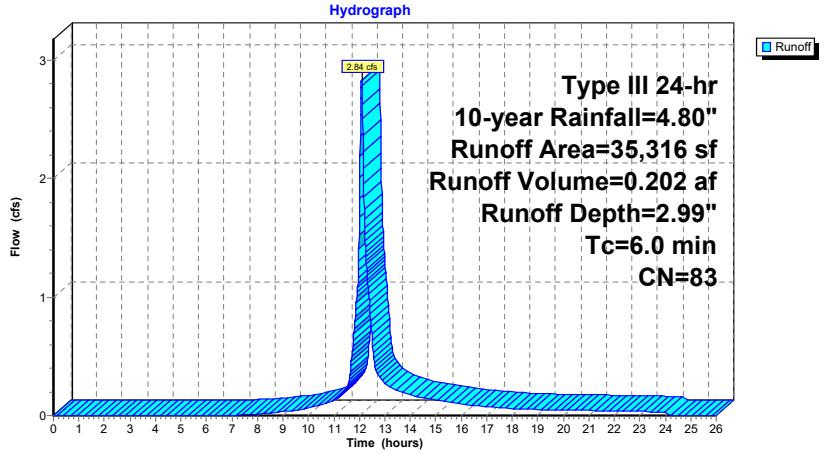
Runoff = 2.84 cfs @ 12.09 hrs, Volume= 0.202 af, Depth= 2.99"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

	Area (sf)	CN	Description
	26,290	98	Paved parking, HSG A
	8,717	39	>75% Grass cover, Good, HSG A
*	309	98	Stone Dust, HSG A
	35,316	83	Weighted Average
	8,717		24.68% Pervious Area
	26,599		75.32% Impervious Area

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

Subcatchment P3-7: Building A and B Parking



Summary for Subcatchment P3-8: Building E Parking

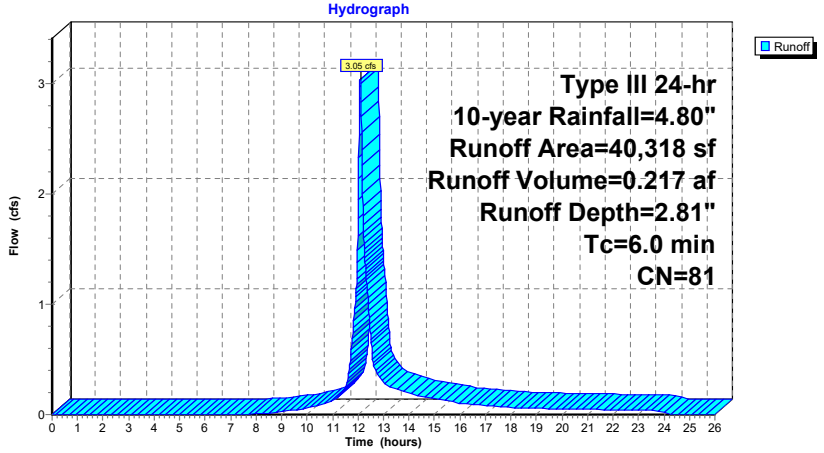
Runoff = 3.05 cfs @ 12.09 hrs, Volume= 0.217 af, Depth= 2.81"
Routed to Pond 3P : MC-4500 Underground Infiltration System 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
28,898	98	Paved parking, HSG A
11,420	39	>75% Grass cover, Good, HSG A
40,318	81	Weighted Average
11,420		28.32% Pervious Area
28,898		71.68% Impervious Area

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

Subcatchment P3-8: Building E Parking



Summary for Subcatchment P3-9: Building F Parking

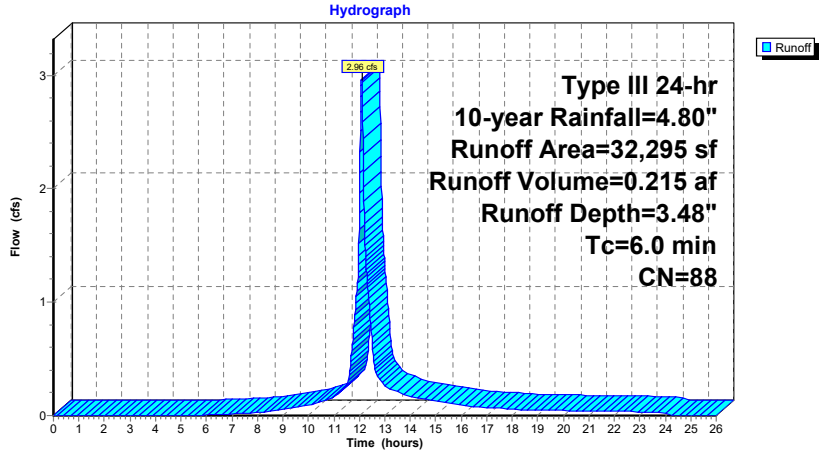
Runoff = 2.96 cfs @ 12.09 hrs, Volume= 0.215 af, Depth= 3.48"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-year Rainfall=4.80"

Area (sf)	CN	Description
26,810	98	Paved parking, HSG A
5,485	39	>75% Grass cover, Good, HSG A
32,295	88	Weighted Average
5,485		16.98% Pervious Area
26,810		83.02% Impervious Area

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

Subcatchment P3-9: Building F Parking

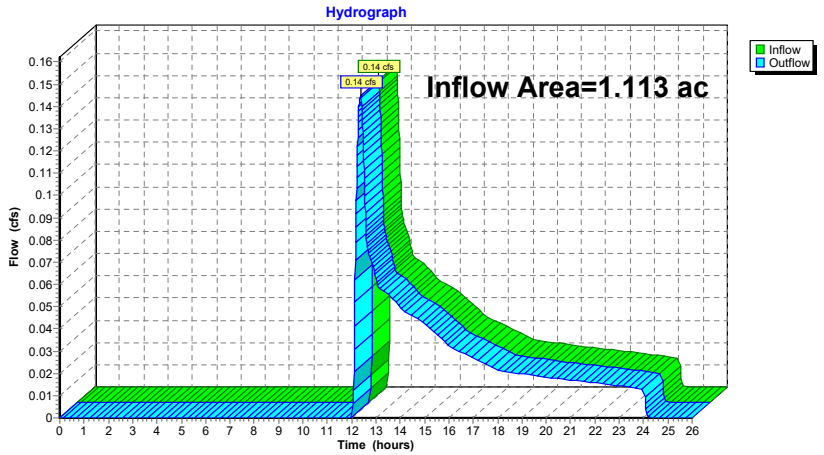


Summary for Reach 1R: Flow Towards Route 6 and Red Brook Rd

Inflow Area = 1.113 ac, 8.97% Impervious, Inflow Depth = 0.34" for 10-year event
Inflow = 0.14 cfs @ 12.35 hrs, Volume= 0.031 af
Outflow = 0.14 cfs @ 12.35 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 1R: Flow Towards Route 6 and Red Brook Rd

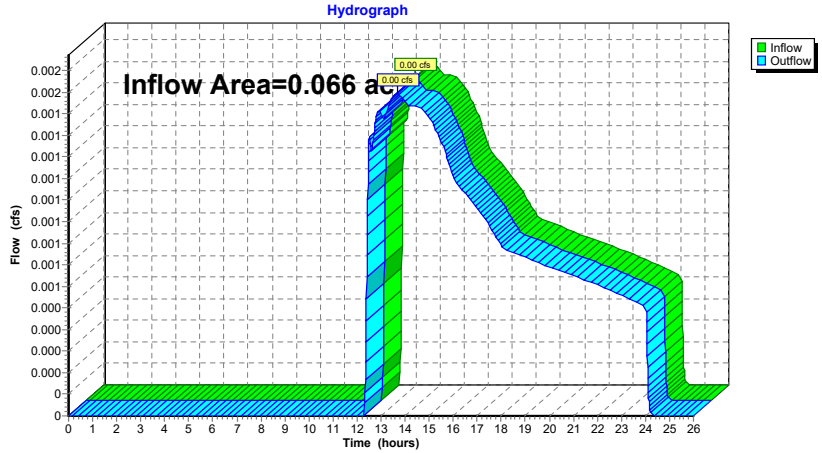


Summary for Reach 2R: Flow to East Perimeter

Inflow Area = 0.066 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 13.66 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 2R: Flow to East Perimeter

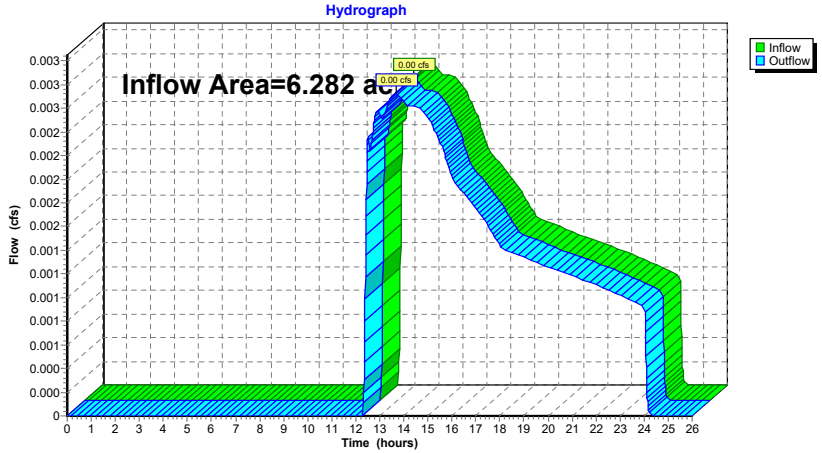


Summary for Reach 3R: Flow to North Perimeter

Inflow Area = 6.282 ac, 61.37% Impervious, Inflow Depth = 0.00" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.002 af
Outflow = 0.00 cfs @ 13.66 hrs, Volume= 0.002 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 3R: Flow to North Perimeter



Summary for Reach 4R: WQ Swale

Inflow Area = 0.390 ac, 39.46% Impervious, Inflow Depth = 1.32" for 10-year event
Inflow = 0.55 cfs @ 12.10 hrs, Volume= 0.043 af
Outflow = 0.55 cfs @ 12.11 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.9 min
Routed to Pond 8P : Drywell 3-1

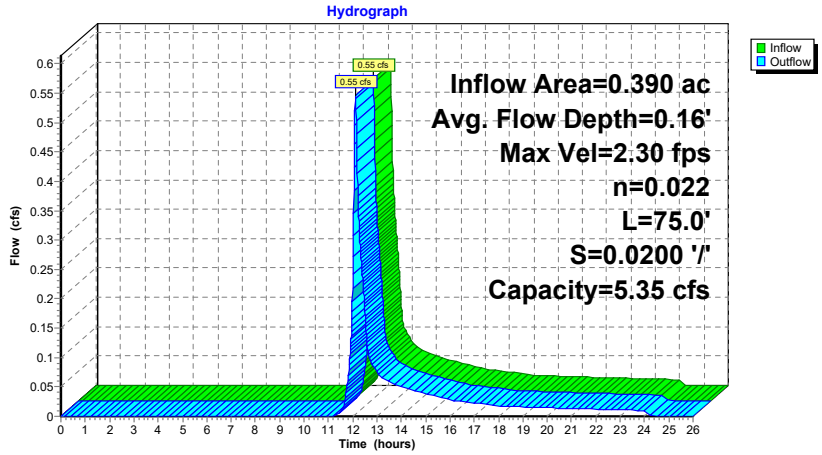
Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.30 fps, Min. Travel Time= 0.5 min
Avg. Velocity = 0.83 fps, Avg. Travel Time= 1.5 min

Peak Storage= 18 cf @ 12.11 hrs
Average Depth at Peak Storage= 0.16' , Surface Width= 1.96'
Bank-Full Depth= 0.50' Flow Area= 1.3 sf, Capacity= 5.35 cfs

1.00' x 0.50' deep channel, n= 0.022 Earth, clean & straight
Side Slope Z-value= 3.0 '/' Top Width= 4.00'
Length= 75.0' Slope= 0.0200 '/'
Inlet Invert= 77.91', Outlet Invert= 76.41'

‡

Reach 4R: WQ Swale

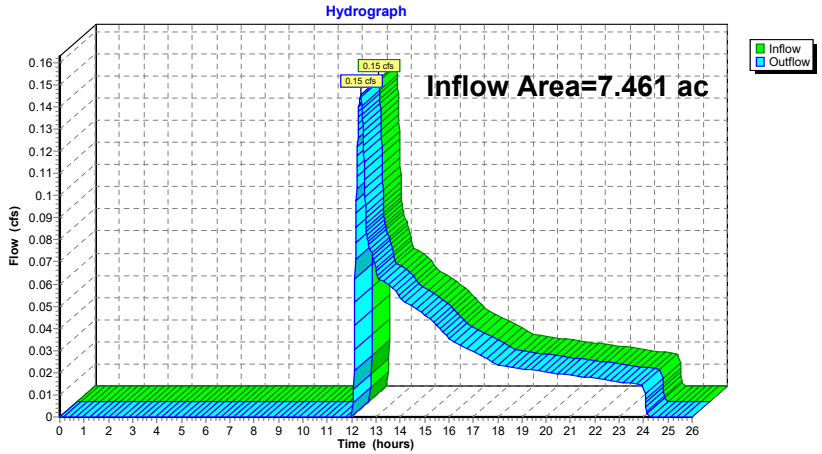


Summary for Reach TS: Total Site

Inflow Area = 7.461 ac, 53.01% Impervious, Inflow Depth = 0.05" for 10-year event
Inflow = 0.15 cfs @ 12.36 hrs, Volume= 0.034 af
Outflow = 0.15 cfs @ 12.36 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach TS: Total Site



Summary for Pond 1P: MC-4500 Underground Infiltration System 1

Inflow Area = 6.007 ac, 64.18% Impervious, Inflow Depth = 1.57" for 10-year event
Inflow = 10.02 cfs @ 12.09 hrs, Volume= 0.785 af
Outflow = 2.38 cfs @ 12.50 hrs, Volume= 0.785 af, Atten= 76%, Lag= 24.7 min
Discarded = 2.38 cfs @ 12.50 hrs, Volume= 0.785 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 6P : Bio-Retention Area

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 64.91' @ 12.50 hrs Surf.Area= 5,779 sf Storage= 7,474 cf
Flood Elev= 69.75' Surf.Area= 5,779 sf Storage= 25,083 cf

Plug-Flow detention time= 17.0 min calculated for 0.785 af (100% of inflow)
Center-of-Mass det. time= 17.0 min (817.6 - 800.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	63.00'	9,285 cf	**46.67'W x 123.84'L x 6.75'H Field A** 39,010 cf Overall - 15,798 cf Embedded = 23,212 cf x 40.0% Voids
#2A	63.75'	15,798 cf	**ADS_StormTech MC-4500 +Cap** x 145 Inside #1 Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap 145 Chambers in 5 Rows Cap Storage= 35.7 cf x 2 x 5 rows = 357.0 cf
		25,083 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	63.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	66.72'	**12.0" Round Culvert** L= 50.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 66.72' / 66.47' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	68.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Discarded OutFlow Max=2.38 cfs @ 12.50 hrs HW=64.91' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 2.38 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=63.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)
↑**3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 1P: MC-4500 Underground Infiltration System 1 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-4500 +Cap (ADS StormTech®MC-4500 with cap, use MC-4500 b for new designs)
Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf
Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap
Cap Storage= 35.7 cf x 2 x 5 rows = 357.0 cf

100.0" Wide + 9.0" Spacing = 109.0" C-C Row Spacing

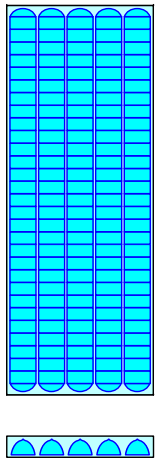
29 Chambers/Row x 4.02' Long +2.56' Cap Length x 2 = 121.84' Row Length +12.0" End Stone x 2 = 123.84' Base Length
5 Rows x 100.0" Wide + 9.0" Spacing x 4 + 12.0" Side Stone x 2 = 46.67' Base Width
9.0" Stone Base + 60.0" Chamber Height + 12.0" Stone Cover = 6.75' Field Height

145 Chambers x 106.5 cf + 35.7 cf Cap Volume x 2 x 5 Rows = 15,798.1 cf Chamber Storage

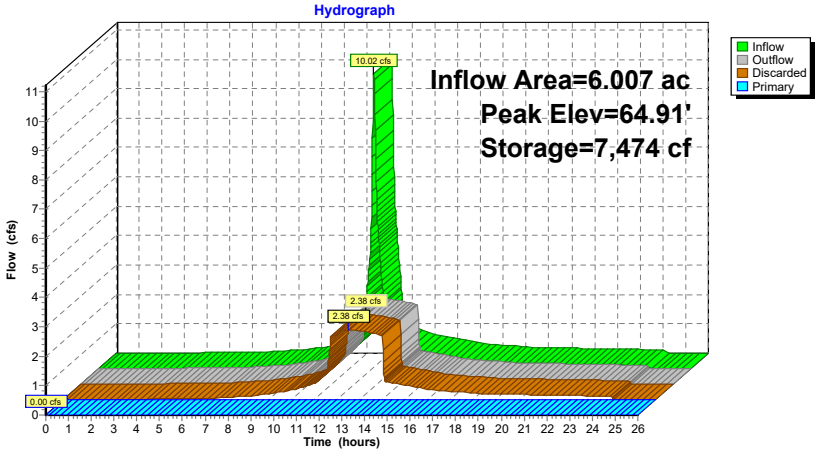
39,010.1 cf Field - 15,798.1 cf Chambers = 23,212.0 cf Stone x 40.0% Voids = 9,284.8 cf Stone Storage

Chamber Storage + Stone Storage = 25,082.9 cf = 0.576 af
Overall Storage Efficiency = 64.3%
Overall System Size = 123.84' x 46.67' x 6.75'

145 Chambers
1,444.8 cy Field
859.7 cy Stone



Pond 1P: MC-4500 Underground Infiltration System 1



Summary for Pond 2P: MC-3500 Underground Infiltration System 2

Inflow Area = 0.484 ac,100.00% Impervious, Inflow Depth = 4.56" for 10-year event
Inflow = 2.27 cfs @ 12.08 hrs, Volume= 0.184 af
Outflow = 0.59 cfs @ 12.44 hrs, Volume= 0.184 af, Atten= 74%, Lag= 21.5 min
Discarded = 0.59 cfs @ 12.44 hrs, Volume= 0.184 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 70.03' @ 12.44 hrs Surf.Area= 1,207 sf Storage= 1,613 cf
Flood Elev= 73.50' Surf.Area= 1,207 sf Storage= 4,013 cf

Plug-Flow detention time= 13.9 min calculated for 0.184 af (100% of inflow)
Center-of-Mass det. time= 14.0 min (762.7 - 748.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	68.00'	1,751 cf	**15.58'W x 77.47'L x 5.50'H Field A** 6,640 cf Overall - 2,261 cf Embedded = 4,378 cf x 40.0% Voids
#2A	68.75'	2,261 cf	**ADS_StormTech MC-3500 c +Cap**x 20 Inside #1 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 20 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		4,013 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	68.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	71.51'	**6.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 71.51' / 71.41' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.59 cfs @ 12.44 hrs HW=70.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.59 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=68.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 2P: MC-3500 Underground Infiltration System 2 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

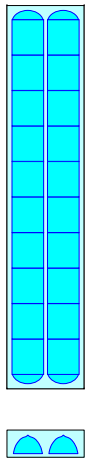
10 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 75.47' Row Length +12.0" End Stone x 2 = 77.47' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

20 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 2,261.4 cf Chamber Storage

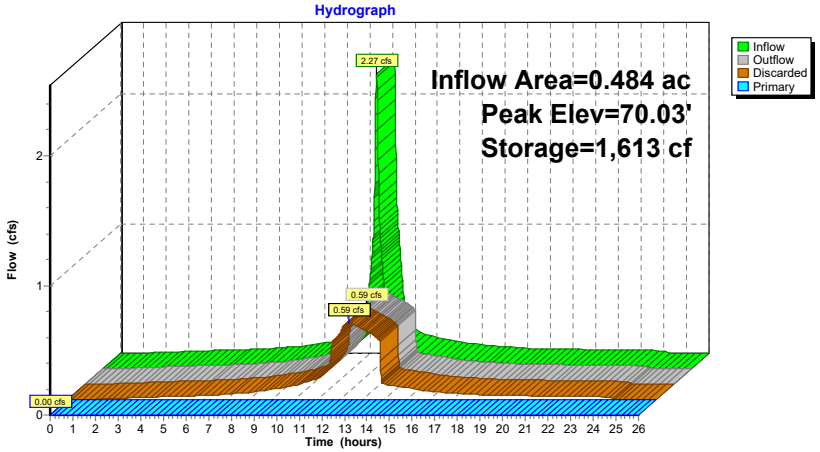
6,639.5 cf Field - 2,261.4 cf Chambers = 4,378.1 cf Stone x 40.0% Voids = 1,751.2 cf Stone Storage

Chamber Storage + Stone Storage = 4,012.7 cf = 0.092 af
Overall Storage Efficiency = 60.4%
Overall System Size = 77.47' x 15.58' x 5.50'

20 Chambers
245.9 cy Field
162.2 cy Stone



Pond 2P: MC-3500 Underground Infiltration System 2



Summary for Pond 3P: MC-4500 Underground Infiltration System 3

Inflow Area = 0.926 ac, 71.68% Impervious, Inflow Depth = 2.81" for 10-year event
Inflow = 3.05 cfs @ 12.09 hrs, Volume= 0.217 af
Outflow = 0.60 cfs @ 12.54 hrs, Volume= 0.217 af, Atten= 80%, Lag= 26.9 min
Discarded = 0.60 cfs @ 12.54 hrs, Volume= 0.217 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 66.23' @ 12.54 hrs Surf.Area= 1,175 sf Storage= 2,631 cf
Flood Elev= 69.75' Surf.Area= 1,175 sf Storage= 4,878 cf

Plug-Flow detention time= 29.6 min calculated for 0.217 af (100% of inflow)
Center-of-Mass det. time= 29.6 min (850.4 - 820.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	63.00'	2,036 cf	**37.58'W x 31.27'L x 6.75'H Field A** 7,932 cf Overall - 2,841 cf Embedded = 5,091 cf x 40.0% Voids
#2A	63.75'	2,841 cf	**ADS_StormTech MC-4500 +Cap** x 24 Inside #1 Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap 24 Chambers in 4 Rows Cap Storage= 35.7 cf x 2 x 4 rows = 285.6 cf
		4,878 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	63.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	66.90'	**12.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 66.90' / 65.90' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.60 cfs @ 12.54 hrs HW=66.23' (Free Discharge)
↳**1=Exfiltration** (Exfiltration Controls 0.60 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=63.00' (Free Discharge)
↳**2=Culvert** (Controls 0.00 cfs)

Pond 3P: MC-4500 Underground Infiltration System 3 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-4500 +Cap (ADS StormTech®MC-4500 with cap, use MC-4500 b for new designs)
Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf
Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap
Cap Storage= 35.7 cf x 2 x 4 rows = 285.6 cf

100.0" Wide + 9.0" Spacing = 109.0" C-C Row Spacing

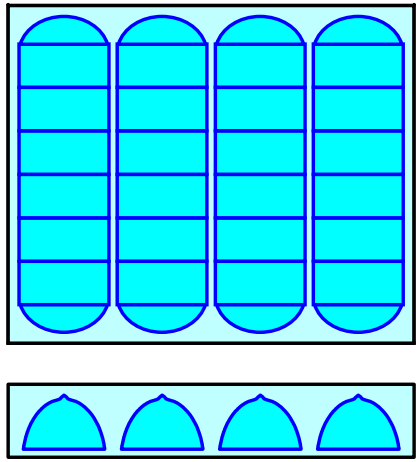
6 Chambers/Row x 4.02' Long +2.56' Cap Length x 2 = 29.27' Row Length +12.0" End Stone x 2 = 31.27' Base Length
4 Rows x 100.0" Wide + 9.0" Spacing x 3 + 12.0" Side Stone x 2 = 37.58' Base Width
9.0" Stone Base + 60.0" Chamber Height + 12.0" Stone Cover = 6.75' Field Height

24 Chambers x 106.5 cf + 35.7 cf Cap Volume x 2 x 4 Rows = 2,841.4 cf Chamber Storage

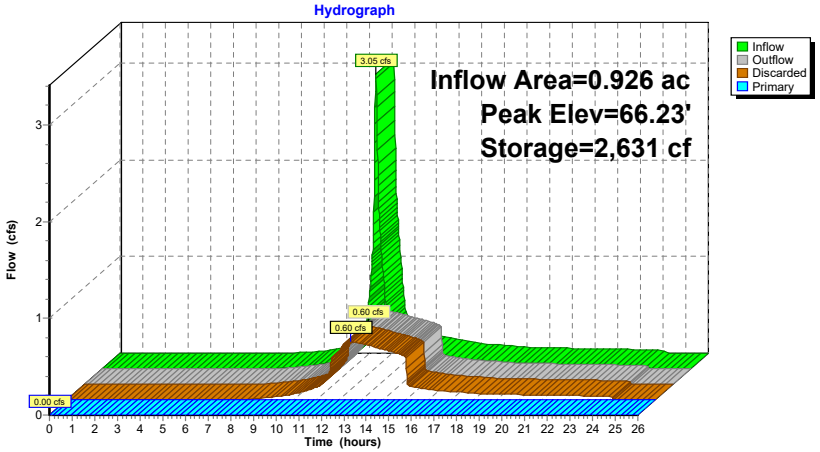
7,932.0 cf Field - 2,841.4 cf Chambers = 5,090.6 cf Stone x 40.0% Voids = 2,036.2 cf Stone Storage

Chamber Storage + Stone Storage = 4,877.6 cf = 0.112 af
Overall Storage Efficiency = 61.5%
Overall System Size = 31.27' x 37.58' x 6.75'

24 Chambers
293.8 cy Field
188.5 cy Stone



Pond 3P: MC-4500 Underground Infiltration System 3



Summary for Pond 4P: MC-3500 Underground Infiltration System 4

Inflow Area = 0.226 ac,100.00% Impervious, Inflow Depth = 4.56" for 10-year event
Inflow = 1.06 cfs @ 12.08 hrs, Volume= 0.086 af
Outflow = 0.28 cfs @ 12.44 hrs, Volume= 0.086 af, Atten= 74%, Lag= 21.2 min
Discarded = 0.28 cfs @ 12.44 hrs, Volume= 0.086 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 72.67' @ 12.44 hrs Surf.Area= 537 sf Storage= 756 cf
Flood Elev= 76.00' Surf.Area= 537 sf Storage= 1,746 cf

Plug-Flow detention time= 14.0 min calculated for 0.086 af (100% of inflow)
Center-of-Mass det. time= 14.0 min (762.7 - 748.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	70.50'	804 cf	**15.58'W x 34.45'L x 5.50'H Field A** 2,952 cf Overall - 942 cf Embedded = 2,010 cf x 40.0% Voids
#2A	71.25'	942 cf	**ADS_StormTech MC-3500 c +Cap** x 8 Inside #1 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 8 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		1,746 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	70.50'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	74.01'	**6.0" Round Culvert** L= 56.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 74.01' / 73.73' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.28 cfs @ 12.44 hrs HW=72.67' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.28 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=70.50' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 4P: MC-3500 Underground Infiltration System 4 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

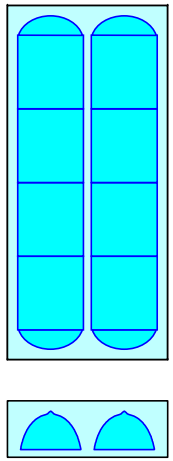
4 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 32.45' Row Length +12.0" End Stone x 2 = 34.45' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

8 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 942.0 cf Chamber Storage

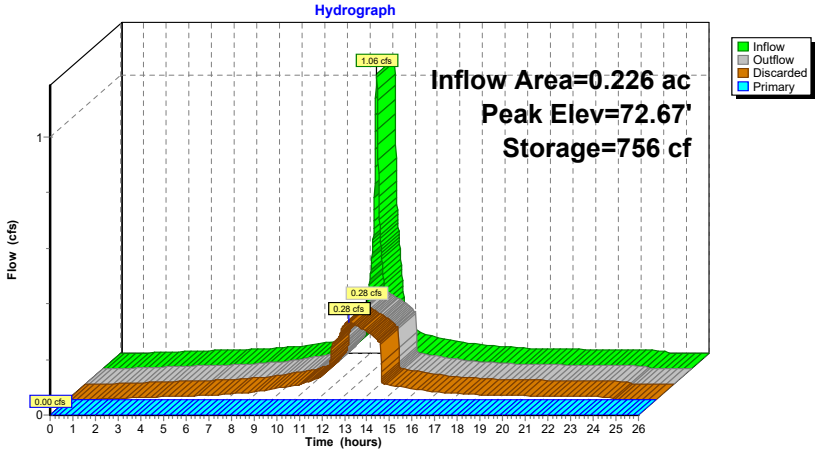
2,952.4 cf Field - 942.0 cf Chambers = 2,010.4 cf Stone x 40.0% Voids = 804.1 cf Stone Storage

Chamber Storage + Stone Storage = 1,746.2 cf = 0.040 af
Overall Storage Efficiency = 59.1%
Overall System Size = 34.45' x 15.58' x 5.50'

8 Chambers
109.3 cy Field
74.5 cy Stone



Pond 4P: MC-3500 Underground Infiltration System 4



Summary for Pond 5P: MC-3500 Underground Infiltration System 5

Inflow Area = 0.072 ac,100.00% Impervious, Inflow Depth = 4.56" for 10-year event
Inflow = 0.34 cfs @ 12.08 hrs, Volume= 0.027 af
Outflow = 0.14 cfs @ 12.28 hrs, Volume= 0.027 af, Atten= 58%, Lag= 11.7 min
Discarded = 0.14 cfs @ 12.28 hrs, Volume= 0.027 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 70.41' @ 12.28 hrs Surf.Area= 313 sf Storage= 132 cf
Flood Elev= 75.00' Surf.Area= 313 sf Storage= 991 cf

Plug-Flow detention time= 4.3 min calculated for 0.027 af (100% of inflow)
Center-of-Mass det. time= 4.3 min (753.0 - 748.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	69.50'	488 cf	**15.58'W x 20.11'L x 5.50'H Field A** 1,723 cf Overall - 502 cf Embedded = 1,221 cf x 40.0% Voids
#2A	70.25'	502 cf	**ADS_StormTech MC-3500 c +Cap** x 4 Inside #1 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 4 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		991 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	69.50'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	73.01'	**6.0" Round Culvert** L= 110.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 73.01' / 72.46' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.14 cfs @ 12.28 hrs HW=70.41' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.14 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=69.50' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 5P: MC-3500 Underground Infiltration System 5 - Chamber Wizard Field A

Chamber Model = ADS_StormTech MC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

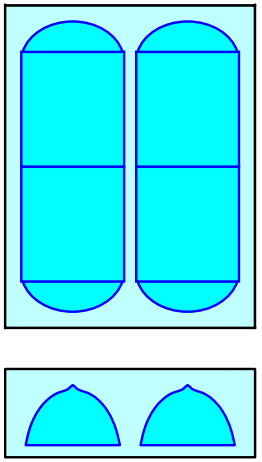
2 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 18.11' Row Length +12.0" End Stone x 2 = 20.11' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

4 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 502.2 cf Chamber Storage

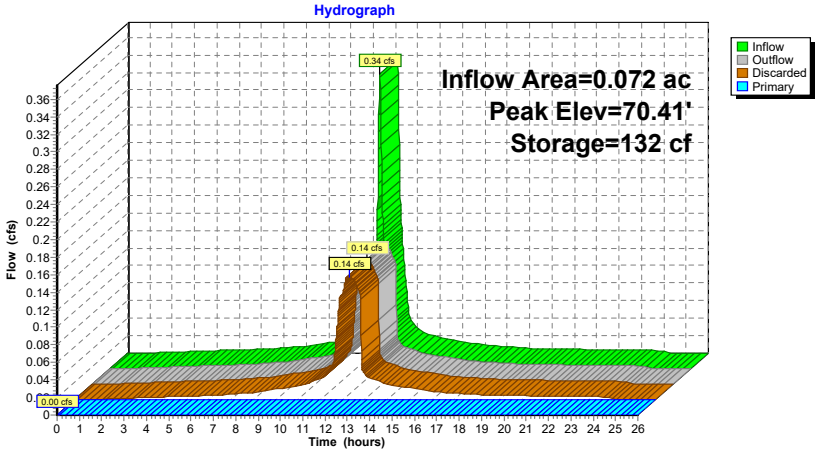
1,723.3 cf Field - 502.2 cf Chambers = 1,221.1 cf Stone x 40.0% Voids = 488.4 cf Stone Storage

Chamber Storage + Stone Storage = 990.6 cf = 0.023 af
Overall Storage Efficiency = 57.5%
Overall System Size = 20.11' x 15.58' x 5.50'

4 Chambers
63.8 cy Field
45.2 cy Stone



Pond 5P: MC-3500 Underground Infiltration System 5



Summary for Pond 6P: Bio-Retention Area

Inflow Area = 6.161 ac, 62.58% Impervious, Inflow Depth = 0.00" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.002 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach 3R : Flow to North Perimeter

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 65.68' @ 24.34 hrs Surf.Area= 525 sf Storage= 90 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

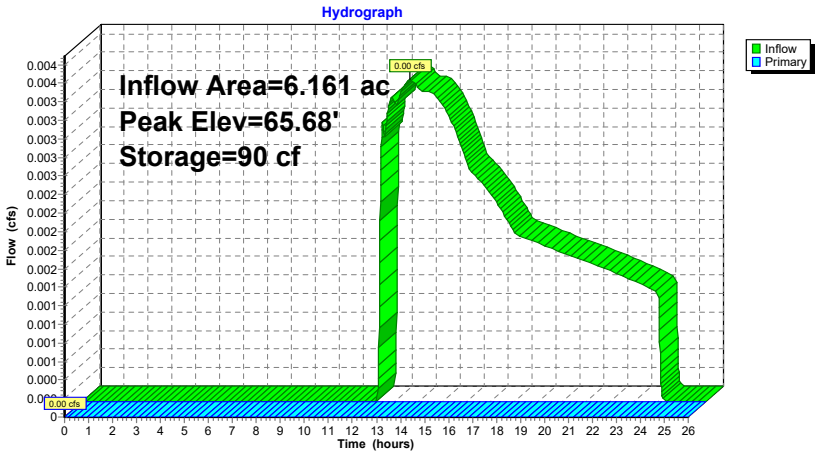
Volume	Invert	Avail.Storage	Storage Description
#1	65.50'	6,749 cf	**Ponding Area (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
65.50	470	101.0	0	0	470
66.00	628	110.0	274	274	630
67.00	1,053	148.0	831	1,105	1,421
68.00	1,583	183.0	1,309	2,414	2,357
69.00	2,160	202.0	1,864	4,278	2,971
70.00	2,795	220.0	2,471	6,749	3,611

Device	Routing	Invert	Outlet Devices
#1	Primary	67.00'	**20.0' long x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=65.50' (Free Discharge)
↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 6P: Bio-Retention Area



Summary for Pond 7P: Area Drain 2

Inflow Area = 1.783 ac, 17.20% Impervious, Inflow Depth = 0.31" for 10-year event
Inflow = 0.39 cfs @ 12.13 hrs, Volume= 0.047 af
Outflow = 0.39 cfs @ 12.13 hrs, Volume= 0.047 af, Atten= 0%, Lag= 0.0 min
Primary = 0.39 cfs @ 12.13 hrs, Volume= 0.047 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 65.81' @ 12.13 hrs Surf.Area= 3 sf Storage= 1 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 0.1 min (943.3 - 943.3)

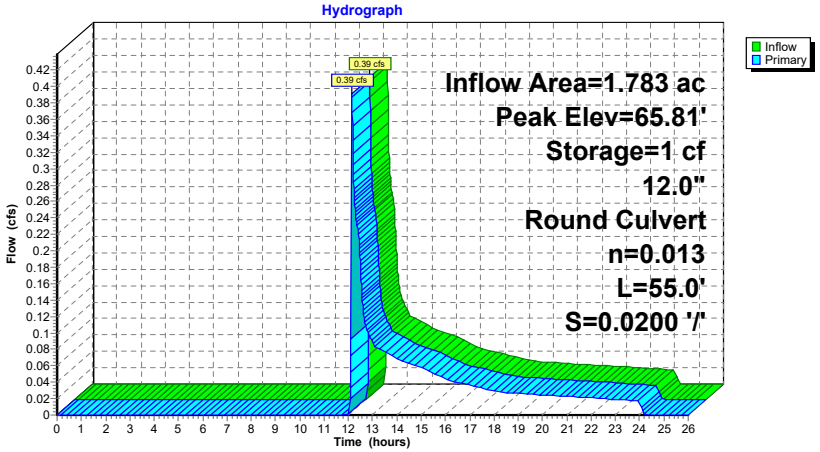
Volume	Invert	Avail.Storage	Storage Description
#1	65.50'	9 cf	**2.00'D x 3.00'H Area Drain 2**
#2	67.50'	4,615 cf	**Low Point (Irregular)**Listed below (Recalc)
		4,624 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
67.50	0	0.0	0	0	0
68.00	873	160.0	146	146	2,038
69.00	1,556	193.0	1,198	1,344	2,981
70.00	5,368	376.0	3,271	4,615	11,272

Device	Routing	Invert	Outlet Devices
#1	Primary	65.50'	**12.0" Round Culvert** L= 55.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 65.50' / 64.40' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 0.79 sf

Primary OutFlow Max=0.39 cfs @ 12.13 hrs HW=65.81' (Free Discharge)
1=Culvert (Inlet Controls 0.39 cfs @ 1.89 fps)

Pond 7P: Area Drain 2



Summary for Pond 8P: Drywell 3-1

Inflow Area = 0.390 ac, 39.46% Impervious, Inflow Depth = 1.32" for 10-year event
Inflow = 0.55 cfs @ 12.11 hrs, Volume= 0.043 af
Outflow = 0.40 cfs @ 12.12 hrs, Volume= 0.038 af, Atten= 26%, Lag= 0.6 min
Discarded = 0.10 cfs @ 12.12 hrs, Volume= 0.035 af
Primary = 0.30 cfs @ 12.12 hrs, Volume= 0.002 af
Routed to Pond 7P : Area Drain 2

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 6
Peak Elev= 77.56' @ 12.12 hrs Surf.Area= 275 sf Storage= 224 cf

Plug-Flow detention time= 116.1 min calculated for 0.038 af (88% of inflow)
Center-of-Mass det. time= 61.1 min (935.0 - 873.9)

Volume	Invert	Avail.Storage	Storage Description
#1	76.41'	137 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)
#2	72.50'	36 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 50 cf Embedded = 91 cf x 40.0% Voids
#3	73.50'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2
		224 cf	Total Available Storage

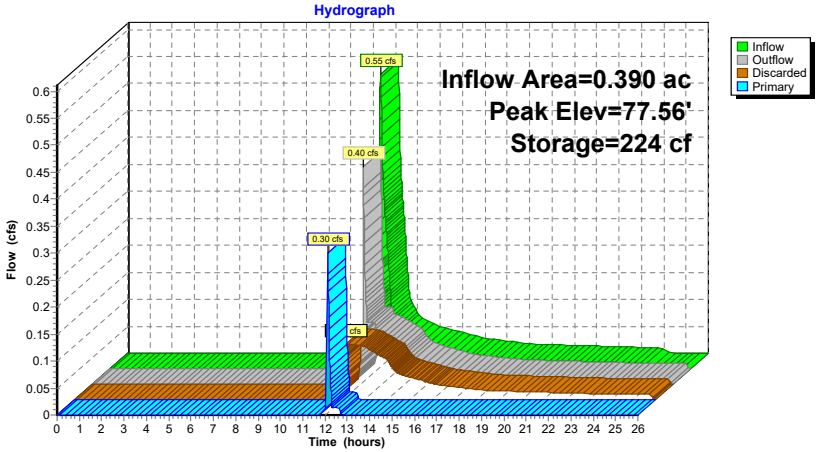
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
76.41	0	0.0	0	0	0
77.00	170	47.0	33	33	176
77.50	247	57.0	104	137	263

Device	Routing	Invert	Outlet Devices
#1	Discarded	72.50'	**16.000 in/hr Exfiltration over Surface area**
#2	Primary	77.49'	**5.0' long x 1.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32

Discarded OutFlow Max=0.10 cfs @ 12.12 hrs HW=77.56' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.10 cfs)

Primary OutFlow Max=0.26 cfs @ 12.12 hrs HW=77.56' (Free Discharge)
↑**2=Broad-Crested Rectangular Weir** (Weir Controls 0.26 cfs @ 0.72 fps)

Pond 8P: Drywell 3-1



Summary for Pond 9P: Drywell 3-2

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

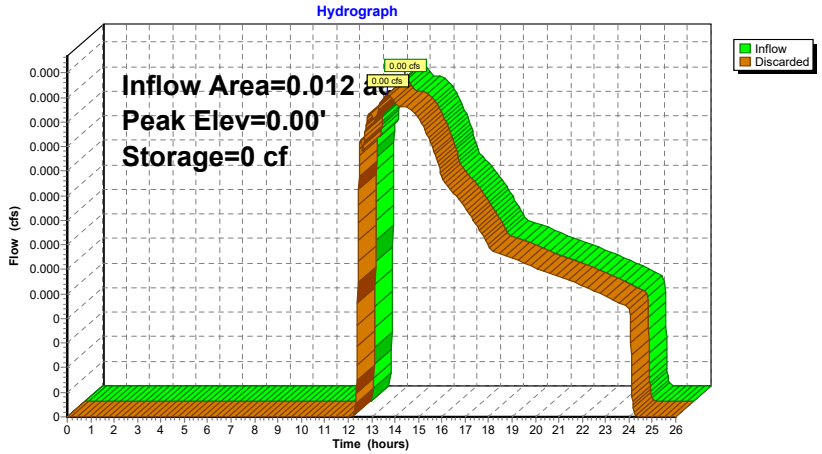
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 9P: Drywell 3-2



Summary for Pond 10P: Drywell 3-3

Inflow Area = 0.016 ac, 10.25% Impervious, Inflow Depth = 0.38" for 10-year event
Inflow = 0.00 cfs @ 12.33 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.34 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 12.34 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.01' @ 12.34 hrs Surf.Area= 28 sf Storage= 0 cf

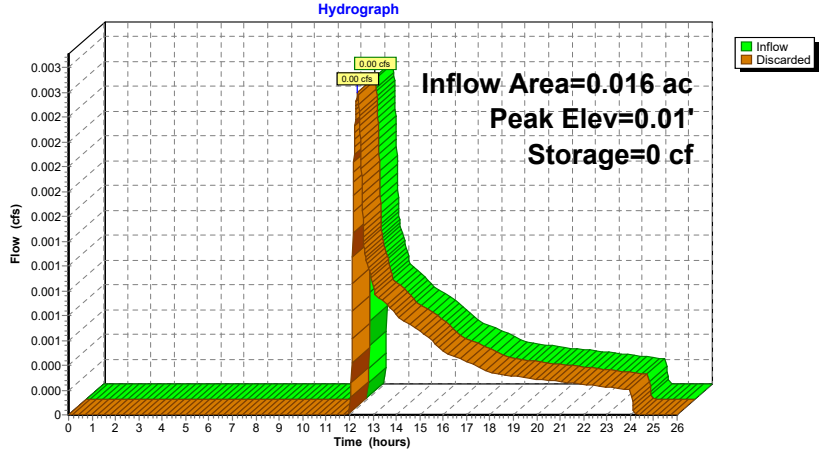
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (955.2 - 954.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.34 hrs HW=0.01' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 10P: Drywell 3-3



Summary for Pond 11P: Drywell 3-4

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

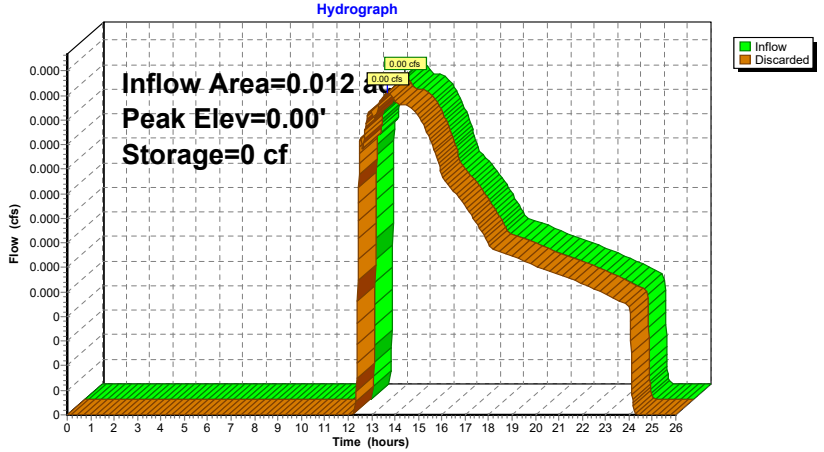
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 11P: Drywell 3-4



Summary for Pond 12P: Drywell 3-5

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

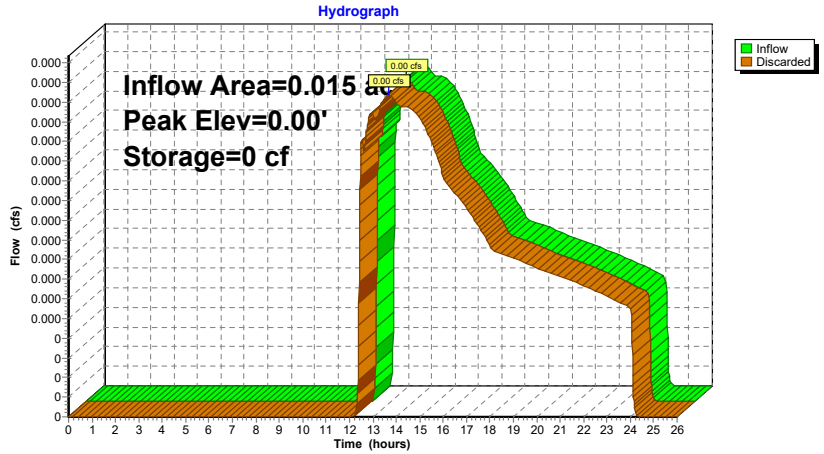
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 12P: Drywell 3-5



Summary for Pond 13P: Drywell 3-6

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

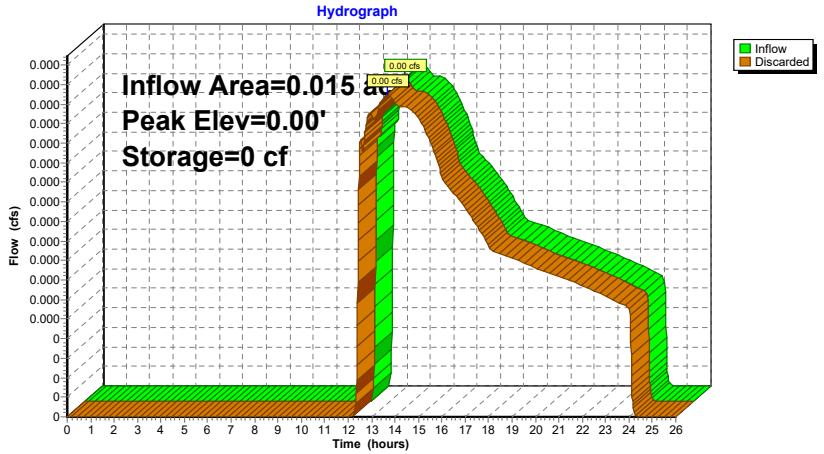
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 13P: Drywell 3-6



Summary for Pond 14P: Drywell 3-7

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

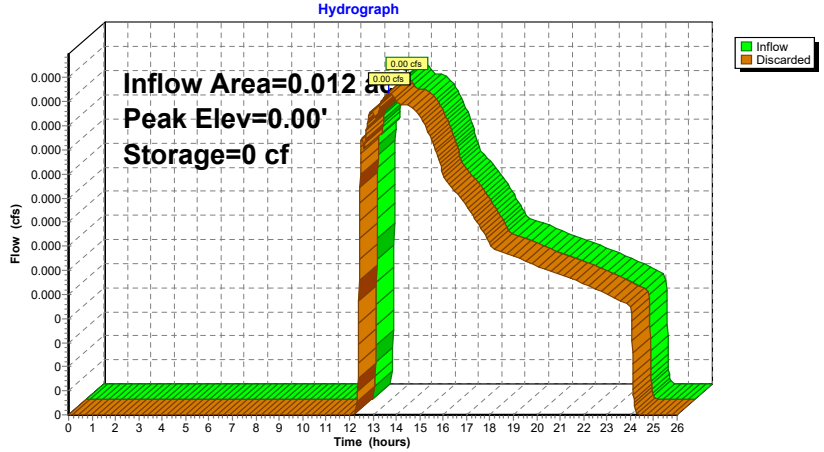
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 14P: Drywell 3-7



Summary for Pond 15P: Drywell 3-8

Inflow Area = 0.005 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

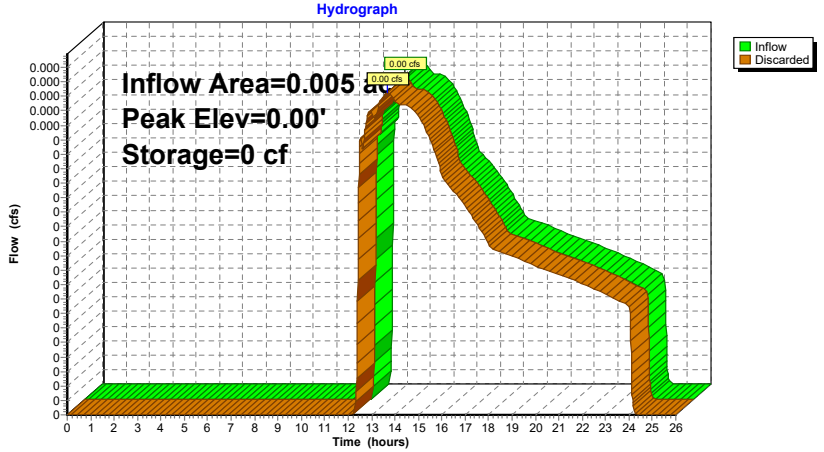
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 15P: Drywell 3-8



Summary for Pond 16P: Drywell 1-1

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

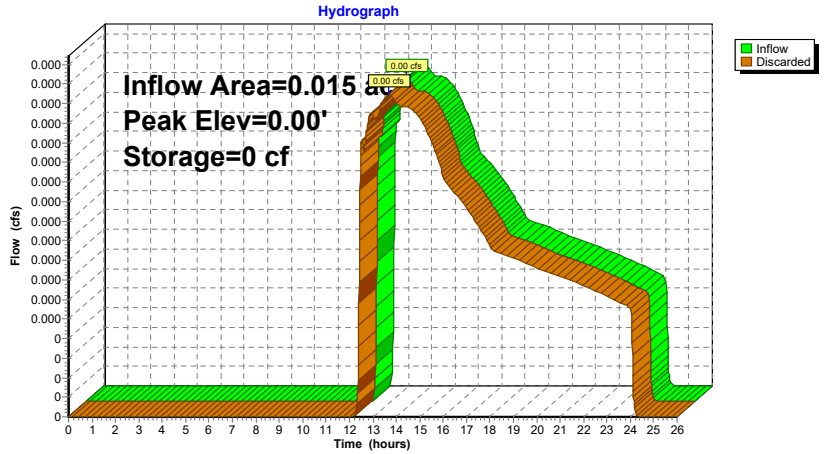
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 16P: Drywell 1-1



Summary for Pond 17P: Drywell 1-2

Inflow Area = 0.014 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

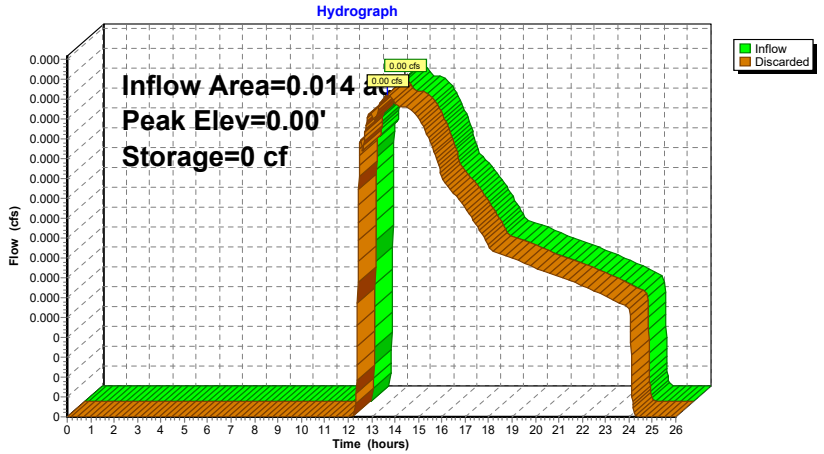
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 17P: Drywell 1-2



Summary for Pond 18P: Drywell 1-3

Inflow Area = 0.009 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

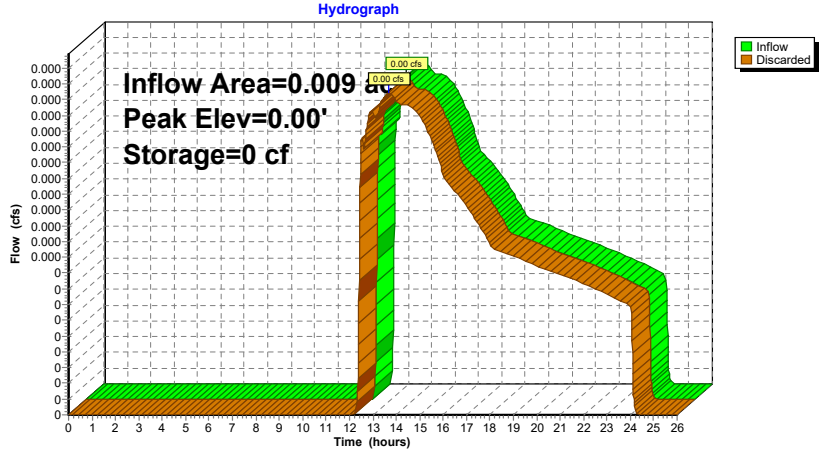
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 18P: Drywell 1-3



Summary for Pond 19P: Drywell 1-4

Inflow Area = 0.040 ac, 8.54% Impervious, Inflow Depth = 0.26" for 10-year event
Inflow = 0.00 cfs @ 12.41 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.42 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 12.42 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.01' @ 12.42 hrs Surf.Area= 28 sf Storage= 0 cf

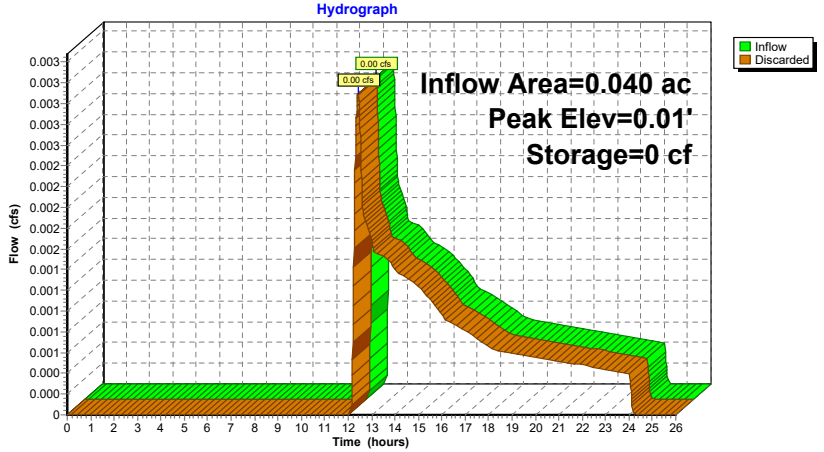
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (984.8 - 984.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.42 hrs HW=0.01' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 19P: Drywell 1-4



Summary for Pond 20P: Drywell 1-5

Inflow Area = 0.034 ac, 8.31% Impervious, Inflow Depth = 0.23" for 10-year event
Inflow = 0.00 cfs @ 12.44 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.45 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.8 min
Discarded = 0.00 cfs @ 12.45 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.01' @ 12.45 hrs Surf.Area= 28 sf Storage= 0 cf

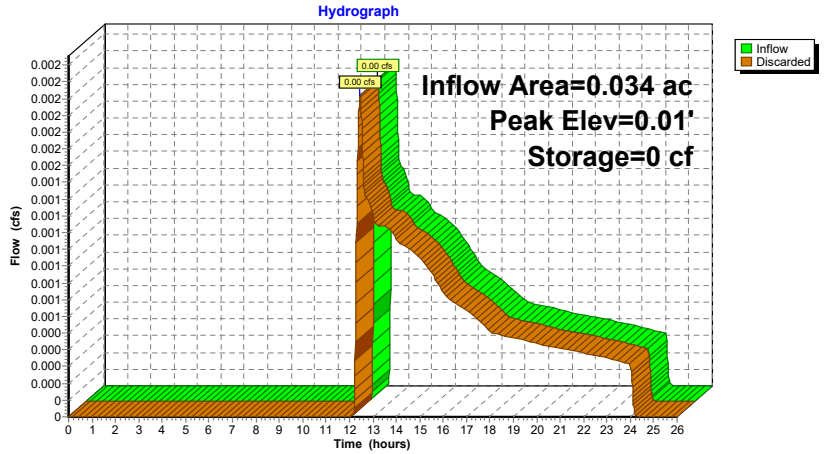
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (996.9 - 996.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.45 hrs HW=0.01' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 20P: Drywell 1-5



Summary for Pond 21P: Drywell 1-6

Inflow Area = 0.084 ac, 6.07% Impervious, Inflow Depth = 0.23" for 10-year event
Inflow = 0.00 cfs @ 12.44 hrs, Volume= 0.002 af
Outflow = 0.00 cfs @ 12.45 hrs, Volume= 0.002 af, Atten= 0%, Lag= 0.9 min
Discarded = 0.00 cfs @ 12.45 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.45 hrs Surf.Area= 28 sf Storage= 0 cf

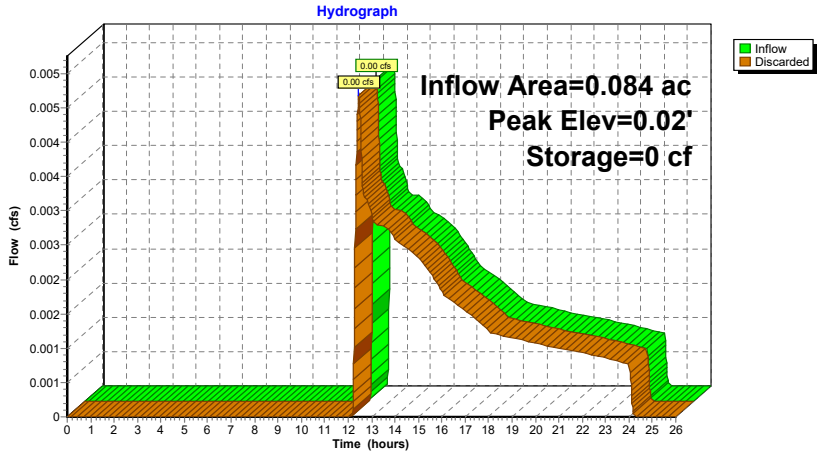
Plug-Flow detention time= 0.9 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (997.1 - 996.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2 73 cf Overall - 5.0" Wall Thickness = 50 cf
#2	0.00'	27 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 73 cf Embedded = 68 cf x 40.0% Voids
		77 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.45 hrs HW=0.02' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 21P: Drywell 1-6



Summary for Pond 22P: Drywell 1-7

Inflow Area = 0.090 ac, 1.87% Impervious, Inflow Depth = 0.19" for 10-year event
Inflow = 0.00 cfs @ 12.47 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.49 hrs, Volume= 0.001 af, Atten= 1%, Lag= 1.0 min
Discarded = 0.00 cfs @ 12.49 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.49 hrs Surf.Area= 28 sf Storage= 0 cf

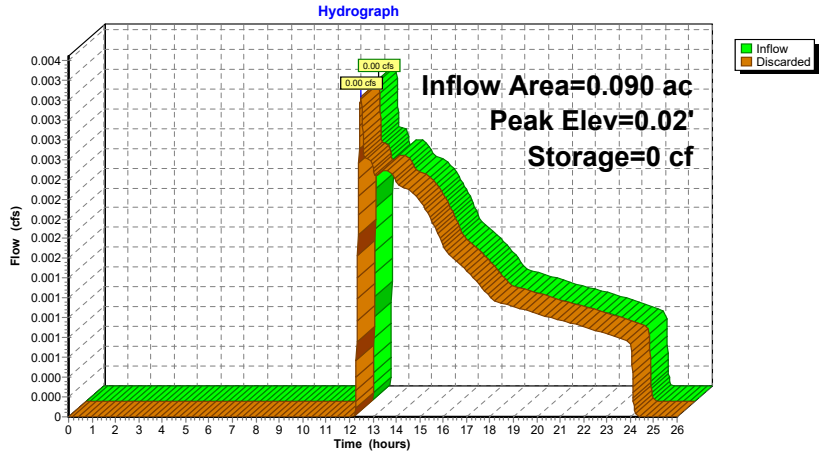
Plug-Flow detention time= 0.9 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (1,010.9 - 1,010.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2 73 cf Overall - 5.0" Wall Thickness = 50 cf
#2	0.00'	27 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 73 cf Embedded = 68 cf x 40.0% Voids
		77 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.49 hrs HW=0.02' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 22P: Drywell 1-7



Summary for Pond 23P: Drywell 1-8

Inflow Area = 0.012 ac, 14.23% Impervious, Inflow Depth = 0.47" for 10-year event
Inflow = 0.00 cfs @ 12.27 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 12.29 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.8 min
Discarded = 0.00 cfs @ 12.29 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.01' @ 12.29 hrs Surf.Area= 28 sf Storage= 0 cf

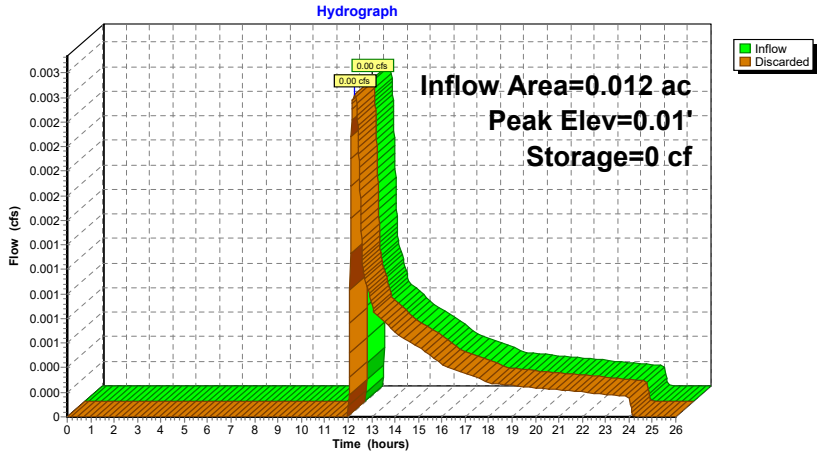
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (939.8 - 939.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.29 hrs HW=0.01' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 23P: Drywell 1-8



Summary for Pond 24P: Drywell 1-9

Inflow Area = 0.089 ac, 10.33% Impervious, Inflow Depth = 0.26" for 10-year event
Inflow = 0.01 cfs @ 12.41 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 12.43 hrs, Volume= 0.002 af, Atten= 0%, Lag= 1.1 min
Discarded = 0.01 cfs @ 12.43 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.43 hrs Surf.Area= 38 sf Storage= 0 cf

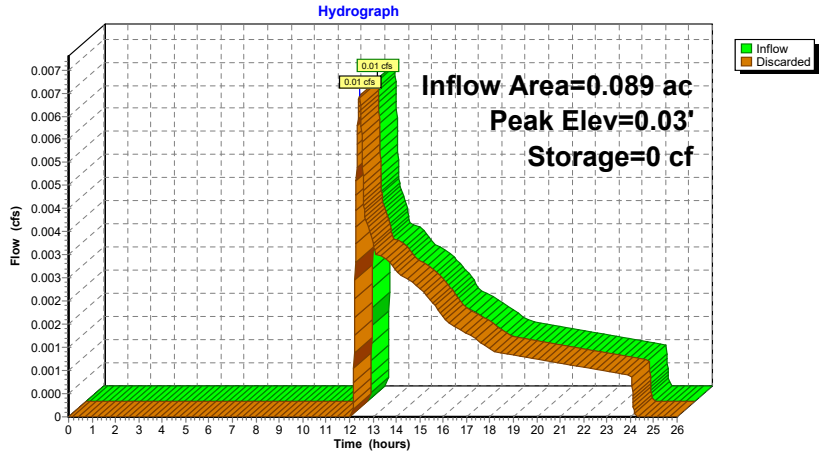
Plug-Flow detention time= 1.1 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 1.1 min (985.1 - 984.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	98 cf	**5.00'D x 5.00'H Dry Well** Inside #2 134 cf Overall - 5.0" Wall Thickness = 98 cf
#2	0.00'	39 cf	**7.00'D x 6.00'H Crushed Stone** 231 cf Overall - 134 cf Embedded = 97 cf x 40.0% Voids
		137 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.43 hrs HW=0.03' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.01 cfs)

Pond 24P: Drywell 1-9



Summary for Pond 25P: Drywell 1-10

Inflow Area = 0.044 ac, 12.45% Impervious, Inflow Depth = 0.30" for 10-year event
Inflow = 0.00 cfs @ 12.38 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.39 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 12.39 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.39 hrs Surf.Area= 28 sf Storage= 0 cf

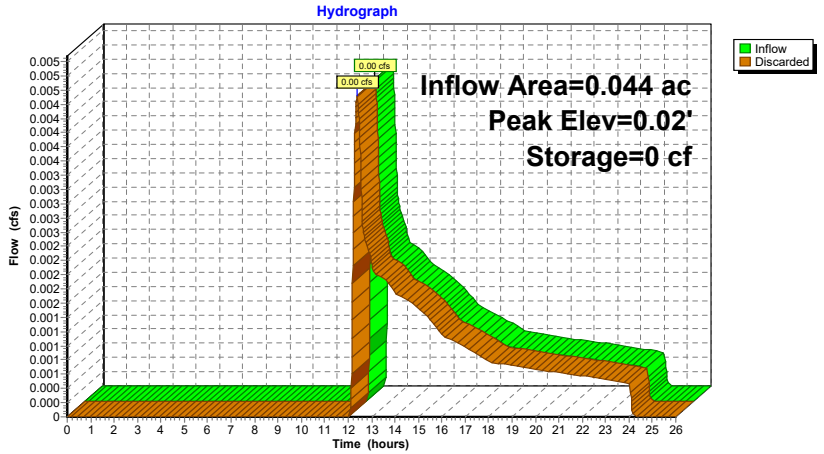
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (973.9 - 973.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.39 hrs HW=0.02' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.01 cfs)

Pond 25P: Drywell 1-10



Summary for Pond 26P: Drywell 1-11

Inflow Area = 0.029 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

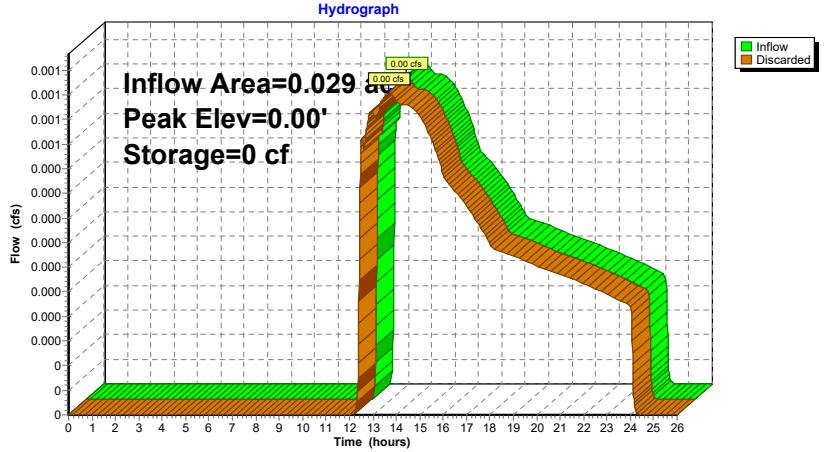
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 26P: Drywell 1-11



Summary for Pond 27P: Drywell 1-12

Inflow Area = 0.031 ac, 9.45% Impervious, Inflow Depth = 0.26" for 10-year event
Inflow = 0.00 cfs @ 12.41 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.42 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 12.42 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.01' @ 12.42 hrs Surf.Area= 28 sf Storage= 0 cf

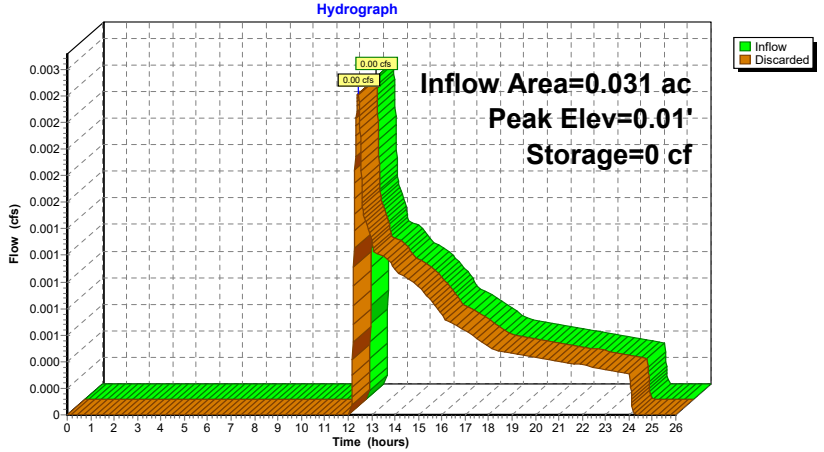
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (984.8 - 984.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.42 hrs HW=0.01' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 27P: Drywell 1-12



Summary for Pond 28P: Drywell 1-13

Inflow Area = 0.017 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

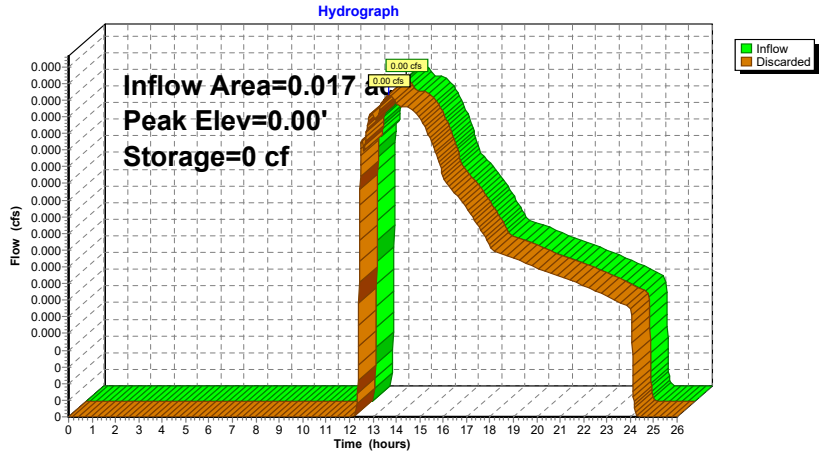
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 28P: Drywell 1-13



Summary for Pond 29P: Drywell 1-14

Inflow Area = 0.016 ac, 48.51% Impervious, Inflow Depth = 1.74" for 10-year event
Inflow = 0.03 cfs @ 12.09 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 11.96 hrs, Volume= 0.002 af, Atten= 67%, Lag= 0.0 min
Discarded = 0.01 cfs @ 11.96 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 1.29' @ 12.45 hrs Surf.Area= 28 sf Storage= 16 cf

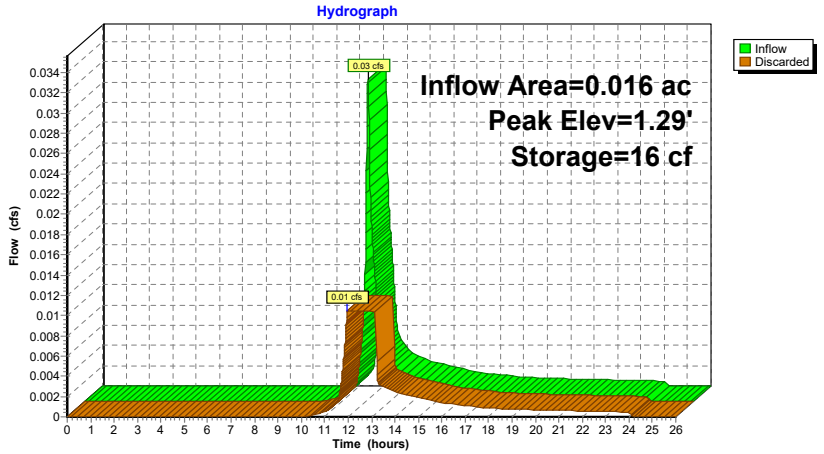
Plug-Flow detention time= 7.7 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 7.7 min (862.9 - 855.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 11.96 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 29P: Drywell 1-14



Summary for Pond 30P: Drywell 1-15

Inflow Area = 0.014 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

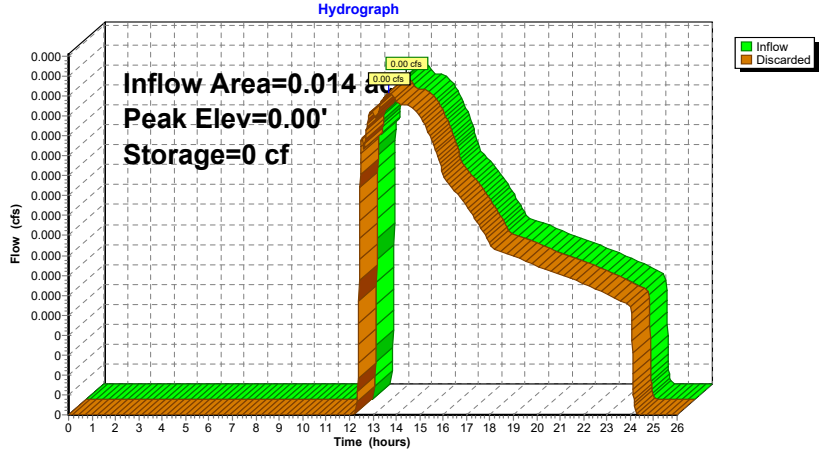
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 30P: Drywell 1-15



Summary for Pond 31P: Drywell 1-16

Inflow Area = 0.130 ac, 2.28% Impervious, Inflow Depth = 0.19" for 10-year event
Inflow = 0.00 cfs @ 12.47 hrs, Volume= 0.002 af
Outflow = 0.00 cfs @ 12.49 hrs, Volume= 0.002 af, Atten= 1%, Lag= 1.0 min
Discarded = 0.00 cfs @ 12.49 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.49 hrs Surf.Area= 38 sf Storage= 0 cf

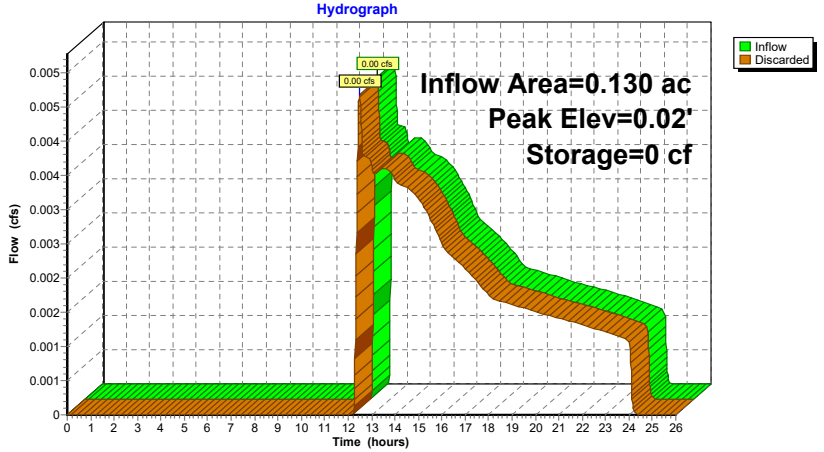
Plug-Flow detention time= 0.9 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (1,010.9 - 1,010.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	79 cf	**5.00'D x 4.00'H Dry Well** Inside #2 107 cf Overall - 5.0" Wall Thickness = 79 cf
#2	0.00'	34 cf	**7.00'D x 5.00'H Crushed Stone** 192 cf Overall - 107 cf Embedded = 86 cf x 40.0% Voids
		113 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.49 hrs HW=0.02' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 31P: Drywell 1-16



Summary for Pond 32P: Drywell 2-1

Inflow Area = 0.008 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

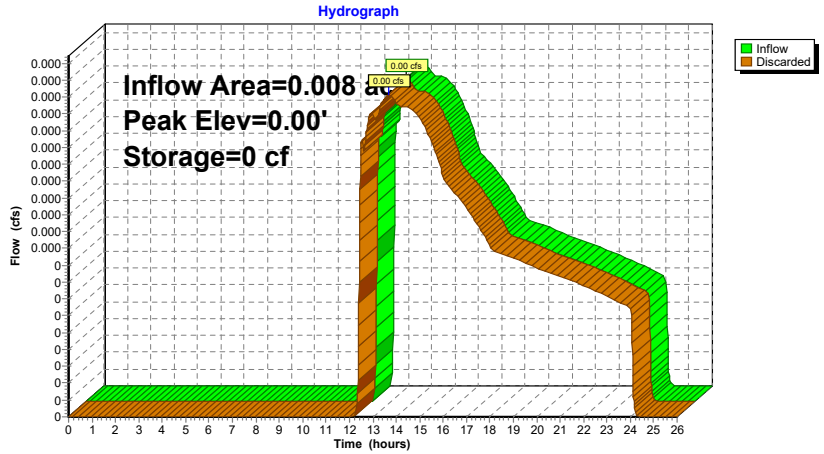
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 32P: Drywell 2-1



Summary for Pond 33P: Drywell 2-2

Inflow Area = 0.013 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

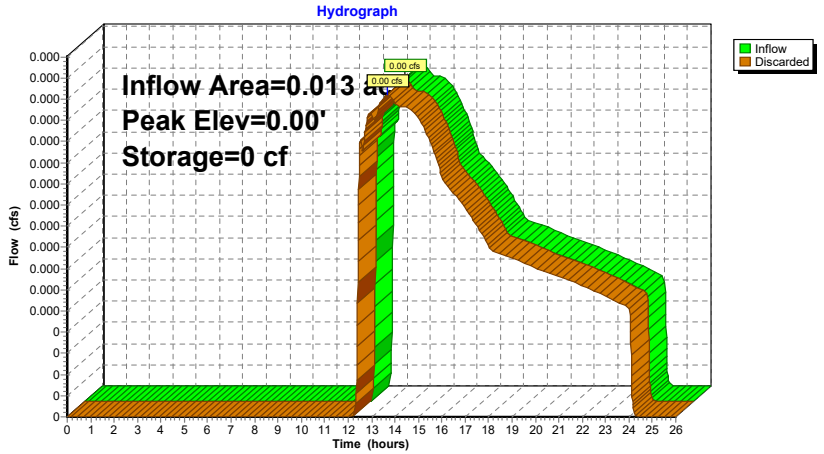
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 33P: Drywell 2-2



Summary for Pond 34P: Drywell 2-4

Inflow Area = 0.019 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

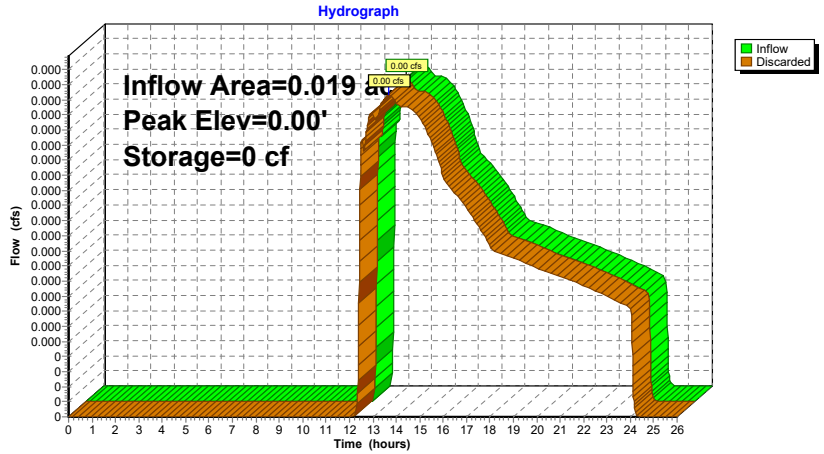
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 34P: Drywell 2-4



Summary for Pond 35P: Drywell 2-3

Inflow Area = 0.013 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

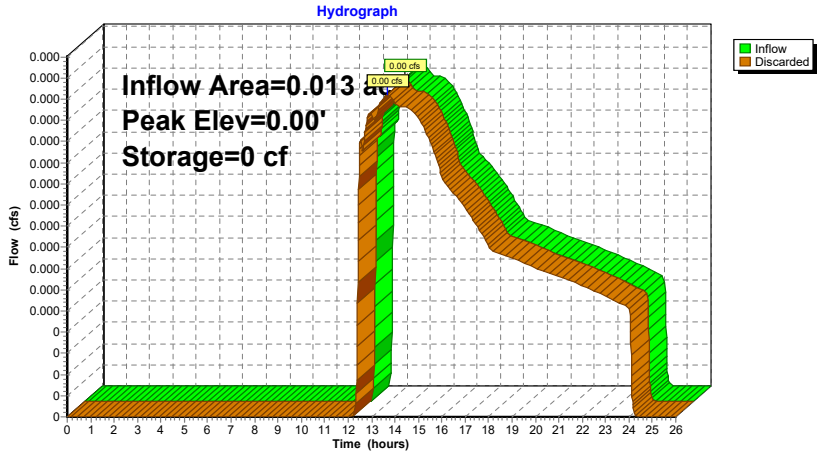
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 35P: Drywell 2-3



Summary for Pond 36P: Drywell 2-5

Inflow Area = 0.059 ac, 24.83% Impervious, Inflow Depth = 0.51" for 10-year event
Inflow = 0.02 cfs @ 12.14 hrs, Volume= 0.003 af
Outflow = 0.01 cfs @ 12.12 hrs, Volume= 0.003 af, Atten= 14%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.12 hrs, Volume= 0.003 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.11' @ 12.36 hrs Surf.Area= 38 sf Storage= 2 cf

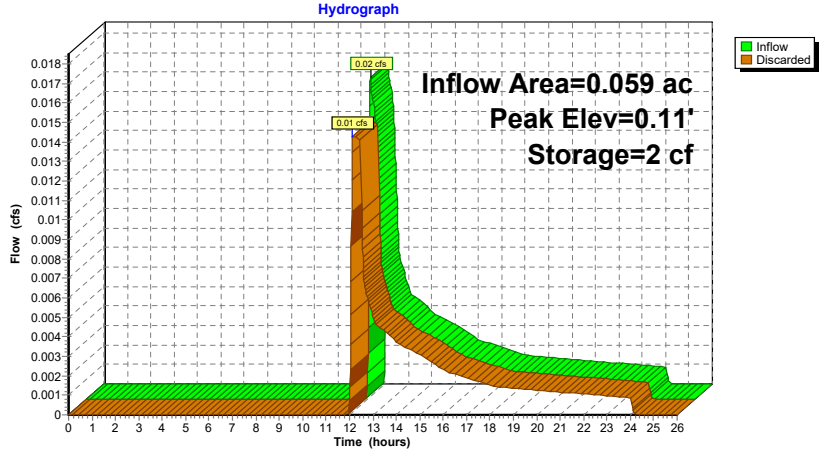
Plug-Flow detention time= 0.9 min calculated for 0.003 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (933.2 - 932.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	59 cf	**5.00'D x 3.00'H Dry Well** Inside #2 80 cf Overall - 5.0" Wall Thickness = 59 cf
#2	0.00'	30 cf	**7.00'D x 4.00'H Crushed Stone** 154 cf Overall - 80 cf Embedded = 74 cf x 40.0% Voids
		88 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.12 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 36P: Drywell 2-5



Summary for Pond 37P: Drywell 2-6

Inflow Area = 0.030 ac, 5.64% Impervious, Inflow Depth = 0.26" for 10-year event
Inflow = 0.00 cfs @ 12.41 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.42 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 12.42 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.01' @ 12.42 hrs Surf.Area= 28 sf Storage= 0 cf

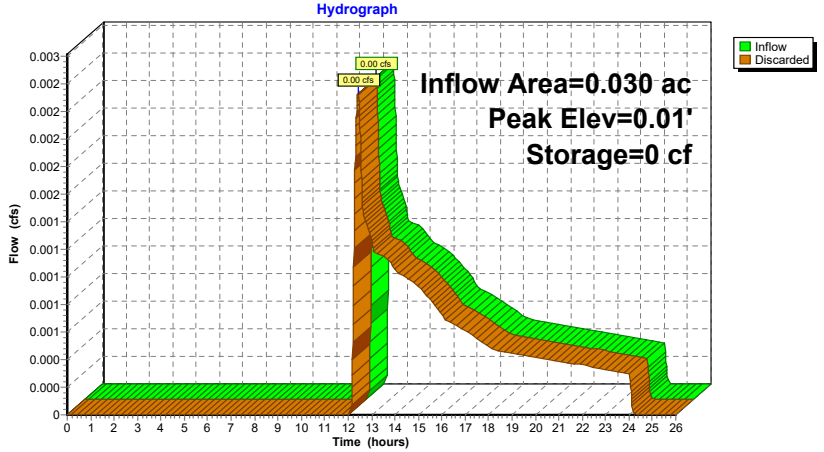
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (984.8 - 984.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.42 hrs HW=0.01' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 37P: Drywell 2-6



Summary for Pond 38P: Drywell 2-7

Inflow Area = 0.010 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

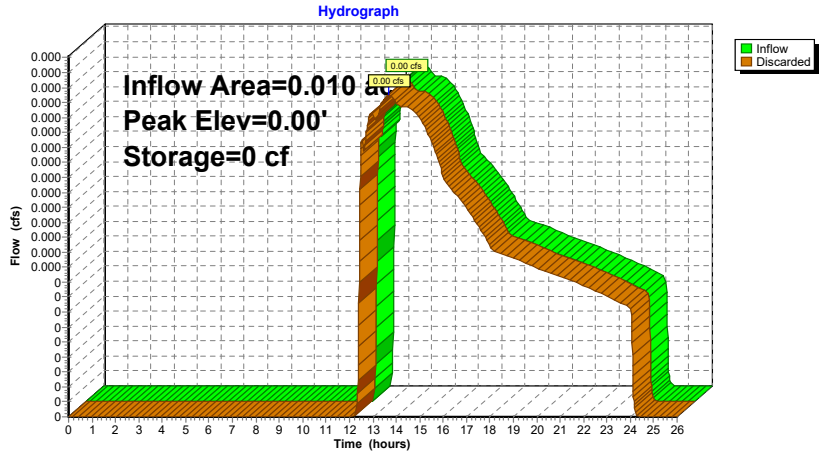
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 38P: Drywell 2-7



Summary for Pond 39P: Drywell 2-12

Inflow Area = 0.027 ac, 0.00% Impervious, Inflow Depth = 0.16" for 10-year event
Inflow = 0.00 cfs @ 13.66 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.7 min
Discarded = 0.00 cfs @ 13.67 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 13.67 hrs Surf.Area= 28 sf Storage= 0 cf

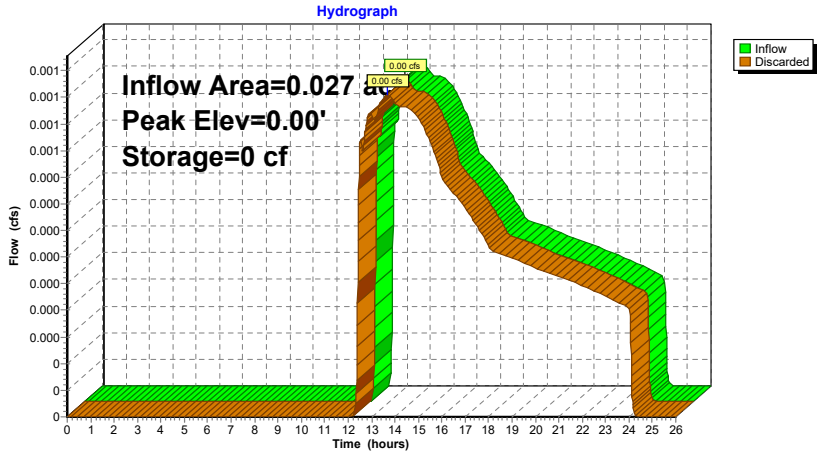
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (1,026.3 - 1,025.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 13.67 hrs HW=0.00' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 39P: Drywell 2-12



Summary for Pond 40P: Drywell 2-11

Inflow Area = 0.019 ac, 22.48% Impervious, Inflow Depth = 0.51" for 10-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.16 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.9 min
Discarded = 0.01 cfs @ 12.16 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.16 hrs Surf.Area= 28 sf Storage= 0 cf

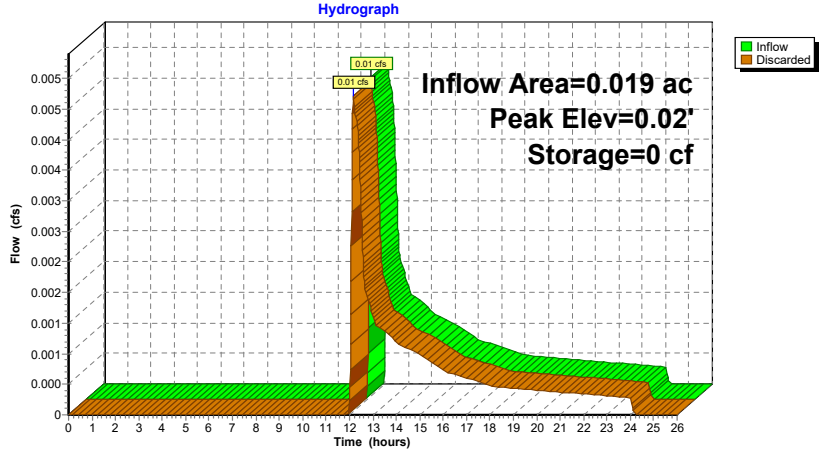
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (933.1 - 932.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.16 hrs HW=0.02' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 40P: Drywell 2-11



Summary for Pond 41P: Drywell 2-10

Inflow Area = 0.132 ac, 8.44% Impervious, Inflow Depth = 0.34" for 10-year event
Inflow = 0.02 cfs @ 12.35 hrs, Volume= 0.004 af
Outflow = 0.02 cfs @ 12.37 hrs, Volume= 0.004 af, Atten= 0%, Lag= 1.2 min
Discarded = 0.02 cfs @ 12.37 hrs, Volume= 0.004 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.06' @ 12.37 hrs Surf.Area= 50 sf Storage= 1 cf

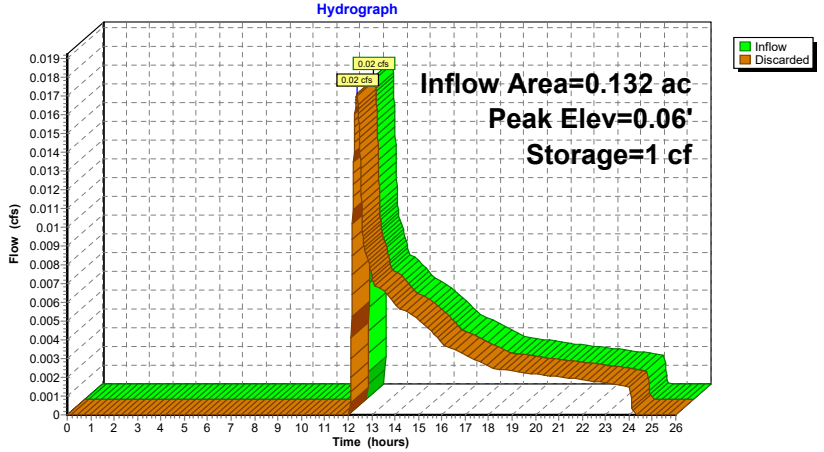
Plug-Flow detention time= 1.1 min calculated for 0.004 af (100% of inflow)
Center-of-Mass det. time= 1.1 min (964.4 - 963.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	141 cf	**6.00'D x 5.00'H Dry Well** Inside #2 183 cf Overall - 5.0" Wall Thickness = 141 cf
#2	0.00'	47 cf	**8.00'D x 6.00'H Crushed Stone** 302 cf Overall - 183 cf Embedded = 118 cf x 40.0% Voids
		189 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 12.37 hrs HW=0.06' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

Pond 41P: Drywell 2-10



Summary for Pond 42P: Drywell 2-9

Inflow Area = 0.076 ac, 22.53% Impervious, Inflow Depth = 0.72" for 10-year event
Inflow = 0.04 cfs @ 12.12 hrs, Volume= 0.005 af
Outflow = 0.02 cfs @ 12.05 hrs, Volume= 0.005 af, Atten= 56%, Lag= 0.0 min
Discarded = 0.02 cfs @ 12.05 hrs, Volume= 0.005 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 1.01' @ 12.50 hrs Surf.Area= 50 sf Storage= 21 cf

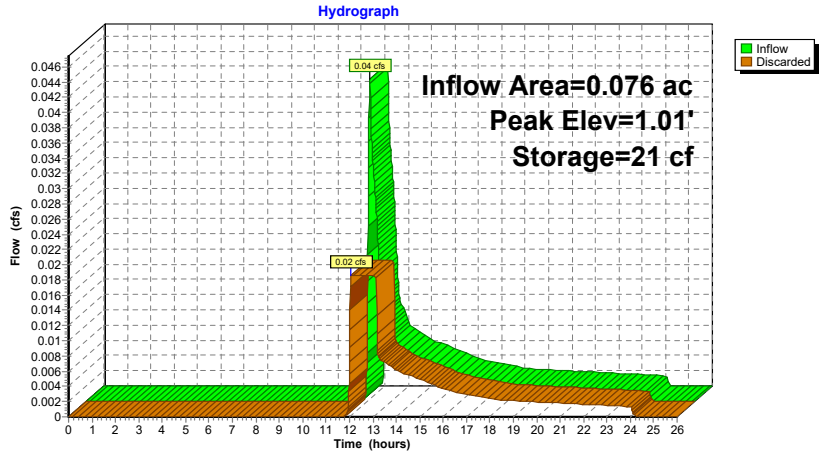
Plug-Flow detention time= 5.0 min calculated for 0.005 af (100% of inflow)
Center-of-Mass det. time= 5.0 min (915.0 - 910.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	141 cf	**6.00'D x 5.00'H Dry Well** Inside #2 183 cf Overall - 5.0" Wall Thickness = 141 cf
#2	0.00'	47 cf	**8.00'D x 6.00'H Crushed Stone** 302 cf Overall - 183 cf Embedded = 118 cf x 40.0% Voids
		189 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 12.05 hrs HW=0.07' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

Pond 42P: Drywell 2-9



Summary for Pond 43P: Drywell 2-8

Inflow Area = 0.099 ac, 8.53% Impervious, Inflow Depth = 0.34" for 10-year event
Inflow = 0.01 cfs @ 12.35 hrs, Volume= 0.003 af
Outflow = 0.01 cfs @ 12.37 hrs, Volume= 0.003 af, Atten= 0%, Lag= 1.0 min
Discarded = 0.01 cfs @ 12.37 hrs, Volume= 0.003 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.37 hrs Surf.Area= 50 sf Storage= 1 cf

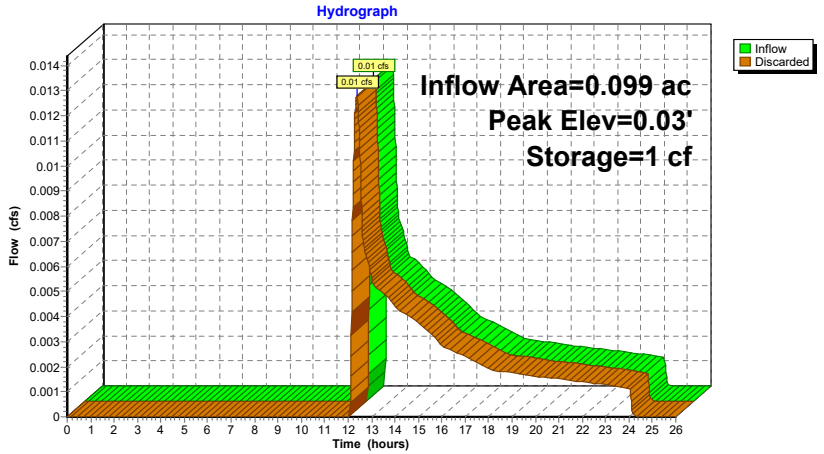
Plug-Flow detention time= 0.9 min calculated for 0.003 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (964.3 - 963.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	113 cf	**6.00'D x 4.00'H Dry Well** Inside #2 147 cf Overall - 5.0" Wall Thickness = 113 cf
#2	0.00'	42 cf	**8.00'D x 5.00'H Crushed Stone** 251 cf Overall - 147 cf Embedded = 105 cf x 40.0% Voids
		155 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 12.37 hrs HW=0.03' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

Pond 43P: Drywell 2-8



Time span=0.00-26.00 hrs, dt=0.01 hrs, 2601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentP1: Flow Towards Route 6 Runoff Area=48,499 sf 8.97% Impervious Runoff Depth=1.20"
Tc=6.0 min CN=44 Runoff=1.15 cfs 0.111 af

SubcatchmentP2: Overland Flow to the East Runoff Area=2,885 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.03 cfs 0.004 af

SubcatchmentP3-1: Building A Runoff Area=10,546 sf 100.00% Impervious Runoff Depth=6.86"
Tc=6.0 min CN=98 Runoff=1.69 cfs 0.138 af

SubcatchmentP3-10: Bldg D F Parking Runoff Area=21,907 sf 82.68% Impervious Runoff Depth=5.69"
Tc=6.0 min CN=88 Runoff=3.21 cfs 0.238 af

SubcatchmentP3-13: Courtyard Runoff Area=60,671 sf 10.97% Impervious Runoff Depth=1.28"
Tc=6.0 min CN=45 Runoff=1.60 cfs 0.149 af

SubcatchmentP3-14: Overland Flow Runoff Area=5,263 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.06 cfs 0.008 af

SubcatchmentP3-15: Bio-Retention Area Runoff Area=6,714 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.07 cfs 0.010 af

SubcatchmentP3-16: Swale Runoff Area=16,983 sf 39.46% Impervious Runoff Depth=2.87"
Tc=6.0 min CN=62 Runoff=1.29 cfs 0.093 af

SubcatchmentP3-17: Drywell 3-2 Runoff Area=507 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-18: Drywell 3-3 Runoff Area=712 sf 10.25% Impervious Runoff Depth=1.28"
Tc=6.0 min CN=45 Runoff=0.02 cfs 0.002 af

SubcatchmentP3-19: Drywell 3-4 Runoff Area=507 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-2: Building B Runoff Area=10,546 sf 100.00% Impervious Runoff Depth=6.86"
Tc=6.0 min CN=98 Runoff=1.69 cfs 0.138 af

SubcatchmentP3-20: Drywell 3-5 Runoff Area=633 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-21: Drywell 3-6 Runoff Area=637 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-22: Drywell 3-7 Runoff Area=517 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-23: Drywell 3-8 Runoff Area=215 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

SubcatchmentP3-24: Drywell 1-1 Runoff Area=636 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-25: Drywell 1-2 Runoff Area=627 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-26: Drywell 1-3 Runoff Area=395 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.001 af

SubcatchmentP3-27: Drywell 1-4 Runoff Area=1,722 sf 8.54% Impervious Runoff Depth=1.04"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.03 cfs 0.003 af

SubcatchmentP3-28: Drywell 1-5 Runoff Area=1,492 sf 8.31% Impervious Runoff Depth=0.96"
Tc=6.0 min UI Adjusted CN=41 Runoff=0.02 cfs 0.003 af

SubcatchmentP3-29: Drywell 1-6 Runoff Area=3,640 sf 6.07% Impervious Runoff Depth=0.96"
Tc=6.0 min UI Adjusted CN=41 Runoff=0.06 cfs 0.007 af

SubcatchmentP3-3: Building E Runoff Area=10,040 sf 100.00% Impervious Runoff Depth=6.86"
Tc=6.0 min CN=98 Runoff=1.61 cfs 0.132 af

SubcatchmentP3-30: Drywell 1-7 Runoff Area=3,902 sf 1.87% Impervious Runoff Depth=0.88"
Tc=6.0 min CN=40 Runoff=0.05 cfs 0.007 af

SubcatchmentP3-31: Drywell 1-8 Runoff Area=513 sf 14.23% Impervious Runoff Depth=1.46"
Tc=6.0 min CN=47 Runoff=0.02 cfs 0.001 af

SubcatchmentP3-32: Drywell 1-9 Runoff Area=3,861 sf 10.33% Impervious Runoff Depth=1.04"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.07 cfs 0.008 af

SubcatchmentP3-33: Drywell 1-10 Runoff Area=1,912 sf 12.45% Impervious Runoff Depth=1.12"
Tc=6.0 min UI Adjusted CN=43 Runoff=0.04 cfs 0.004 af

SubcatchmentP3-34: Drywell 1-11 Runoff Area=1,265 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.002 af

SubcatchmentP3-35: Drywell 1-12 Runoff Area=1,344 sf 9.45% Impervious Runoff Depth=1.04"
Tc=6.0 min UI Adjusted CN=42 Runoff=0.02 cfs 0.003 af

SubcatchmentP3-36: Drywell 1-13 Runoff Area=747 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-37: Drywell 1-14 Runoff Area=703 sf 48.51% Impervious Runoff Depth=3.49"
Tc=6.0 min CN=68 Runoff=0.07 cfs 0.005 af

SubcatchmentP3-38: Drywell 1-15 Runoff Area=625 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

SubcatchmentP3-39: Drywell 1-16 Runoff Area=5,649 sf 2.28% Impervious Runoff Depth=0.88"
Tc=6.0 min CN=40 Runoff=0.07 cfs 0.010 af

Subcatchment P3-4: Building F Runoff Area=10,071 sf 100.00% Impervious Runoff Depth=6.86"
Tc=6.0 min CN=98 Runoff=1.61 cfs 0.132 af

Subcatchment P3-40: Drywell 2-1 Runoff Area=370 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.001 af

Subcatchment P3-41: Drywell 2-2 Runoff Area=588 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

Subcatchment P3-42: Drywell 2-3 Runoff Area=588 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

Subcatchment P3-43: Drywell 2-4 Runoff Area=825 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.001 af

Subcatchment P3-44: Drywell 2-5 Runoff Area=2,582 sf 24.83% Impervious Runoff Depth=1.54"
Tc=6.0 min UI Adjusted CN=48 Runoff=0.09 cfs 0.008 af

Subcatchment P3-45: Drywell 2-6 Runoff Area=1,295 sf 5.64% Impervious Runoff Depth=1.04"
Tc=6.0 min CN=42 Runoff=0.02 cfs 0.003 af

Subcatchment P3-46: Drywell 2-7 Runoff Area=416 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.001 af

Subcatchment P3-47: Drywell 2-12 Runoff Area=1,169 sf 0.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=39 Runoff=0.01 cfs 0.002 af

Subcatchment P3-48: Drywell 2-11 Runoff Area=823 sf 22.48% Impervious Runoff Depth=1.54"
Tc=6.0 min UI Adjusted CN=48 Runoff=0.03 cfs 0.002 af

Subcatchment P3-49: Drywell 2-10 Runoff Area=5,744 sf 8.44% Impervious Runoff Depth=1.20"
Tc=6.0 min CN=44 Runoff=0.14 cfs 0.013 af

Subcatchment P3-5: Building D Runoff Area=9,842 sf 100.00% Impervious Runoff Depth=6.86"
Tc=6.0 min CN=98 Runoff=1.57 cfs 0.129 af

Subcatchment P3-50: Drywell 2-9 Runoff Area=3,294 sf 22.53% Impervious Runoff Depth=1.91"
Tc=6.0 min CN=52 Runoff=0.15 cfs 0.012 af

Subcatchment P3-51: Drywell 2-8 Runoff Area=4,300 sf 8.53% Impervious Runoff Depth=1.20"
Tc=6.0 min CN=44 Runoff=0.10 cfs 0.010 af

Subcatchment P3-6: Community Building Runoff Area=3,116 sf 100.00% Impervious Runoff Depth=6.86"
Tc=6.0 min CN=98 Runoff=0.50 cfs 0.041 af

Subcatchment P3-7: Building A and B Runoff Area=35,316 sf 75.32% Impervious Runoff Depth=5.12"
Tc=6.0 min CN=83 Runoff=4.77 cfs 0.346 af

Subcatchment P3-8: Building E Parking Runoff Area=40,318 sf 71.68% Impervious Runoff Depth=4.90"
Tc=6.0 min CN=81 Runoff=5.25 cfs 0.378 af

Subcatchment P3-9: Building F Parking Runoff Area=32,295 sf 83.02% Impervious Runoff Depth=5.69"
Tc=6.0 min CN=88 Runoff=4.73 cfs 0.352 af

Reach 1R: Flow Towards Route 6 and Red Brook Rd Inflow=1.15 cfs 0.111 af
Outflow=1.15 cfs 0.111 af

Reach 2R: Flow to East Perimeter Inflow=0.03 cfs 0.004 af
Outflow=0.03 cfs 0.004 af

Reach 3R: Flow to North Perimeter Inflow=0.06 cfs 0.008 af
Outflow=0.06 cfs 0.008 af

Reach 4R: WQ Swale Avg. Flow Depth=0.25' Max Vel=2.93 fps Inflow=1.29 cfs 0.093 af
n=0.022 L=75.0' S=0.0200 '/' Capacity=5.35 cfs Outflow=1.29 cfs 0.093 af

Reach TS: Total Site Inflow=1.23 cfs 0.124 af
Outflow=1.23 cfs 0.124 af

Pond 1P: MC-4500 Underground Infiltration Peak Elev=67.97' Storage=20,627 cf Inflow=18.55 cfs 1.436 af
Discarded=2.77 cfs 1.436 af Primary=0.00 cfs 0.000 af Outflow=2.77 cfs 1.436 af

Pond 2P: MC-3500 Underground Infiltration Peak Elev=71.60' Storage=2,974 cf Inflow=3.37 cfs 0.277 af
Discarded=0.70 cfs 0.277 af Primary=0.02 cfs 0.000 af Outflow=0.71 cfs 0.277 af

Pond 3P: MC-4500 Underground Infiltration Peak Elev=67.72' Storage=3,806 cf Inflow=5.25 cfs 0.378 af
Discarded=0.68 cfs 0.323 af Primary=2.12 cfs 0.055 af Outflow=2.80 cfs 0.378 af

Pond 4P: MC-3500 Underground Infiltration Peak Elev=74.25' Storage=1,333 cf Inflow=1.57 cfs 0.129 af
Discarded=0.34 cfs 0.128 af Primary=0.10 cfs 0.002 af Outflow=0.44 cfs 0.129 af

Pond 5P: MC-3500 Underground Infiltration Peak Elev=71.09' Storage=293 cf Inflow=0.50 cfs 0.041 af
Discarded=0.16 cfs 0.041 af Primary=0.00 cfs 0.000 af Outflow=0.16 cfs 0.041 af

Pond 6P: Bio-Retention Area Peak Elev=66.26' Storage=450 cf Inflow=0.07 cfs 0.010 af
Outflow=0.00 cfs 0.000 af

Pond 7P: Area Drain 2 Peak Elev=66.52' Storage=3 cf Inflow=2.73 cfs 0.179 af
12.0" Round Culvert n=0.013 L=55.0' S=0.0200 '/' Outflow=2.73 cfs 0.179 af

Pond 8P: Drywell 3-1 Peak Elev=77.68' Storage=224 cf Inflow=1.29 cfs 0.093 af
Discarded=0.10 cfs 0.058 af Primary=1.13 cfs 0.030 af Outflow=1.23 cfs 0.088 af

Pond 9P: Drywell 3-2 Peak Elev=0.02' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 10P: Drywell 3-3 Peak Elev=0.43' Storage=5 cf Inflow=0.02 cfs 0.002 af
Outflow=0.01 cfs 0.002 af

Pond 11P: Drywell 3-4 Peak Elev=0.02' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 12P: Drywell 3-5 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 13P: Drywell 3-6 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 14P: Drywell 3-7 Peak Elev=0.02' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 15P: Drywell 3-8 Peak Elev=0.01' Storage=0 cf Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond 16P: Drywell 1-1 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 17P: Drywell 1-2 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 18P: Drywell 1-3 Peak Elev=0.02' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 19P: Drywell 1-4 Peak Elev=1.61' Storage=21 cf Inflow=0.03 cfs 0.003 af
Outflow=0.01 cfs 0.003 af

Pond 20P: Drywell 1-5 Peak Elev=1.04' Storage=12 cf Inflow=0.02 cfs 0.003 af
Outflow=0.01 cfs 0.003 af

Pond 21P: Drywell 1-6 Peak Elev=4.41' Storage=68 cf Inflow=0.06 cfs 0.007 af
Outflow=0.01 cfs 0.007 af

Pond 22P: Drywell 1-7 Peak Elev=4.06' Storage=62 cf Inflow=0.05 cfs 0.007 af
Outflow=0.01 cfs 0.007 af

Pond 23P: Drywell 1-8 Peak Elev=0.25' Storage=3 cf Inflow=0.02 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 24P: Drywell 1-9 Peak Elev=3.32' Storage=72 cf Inflow=0.07 cfs 0.008 af
Outflow=0.01 cfs 0.008 af

Pond 25P: Drywell 1-10 Peak Elev=2.24' Storage=32 cf Inflow=0.04 cfs 0.004 af
Outflow=0.01 cfs 0.004 af

Pond 26P: Drywell 1-11 Peak Elev=0.20' Storage=2 cf Inflow=0.01 cfs 0.002 af
Outflow=0.01 cfs 0.002 af

Pond 27P: Drywell 1-12 Peak Elev=1.07' Storage=13 cf Inflow=0.02 cfs 0.003 af
Outflow=0.01 cfs 0.003 af

Pond 28P: Drywell 1-13 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 29P: Drywell 1-14 Peak Elev=3.91' Storage=59 cf Inflow=0.07 cfs 0.005 af
Outflow=0.01 cfs 0.005 af

Pond 30P: Drywell 1-15 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 31P: Drywell 1-16 Peak Elev=4.28' Storage=95 cf Inflow=0.07 cfs 0.010 af
Outflow=0.01 cfs 0.010 af

Pond 32P: Drywell 2-1 Peak Elev=0.02' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 33P: Drywell 2-2 Peak Elev=0.02' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 34P: Drywell 2-4 Peak Elev=0.03' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 35P: Drywell 2-3 Peak Elev=0.02' Storage=0 cf Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond 36P: Drywell 2-5 Peak Elev=3.98' Storage=88 cf Inflow=0.09 cfs 0.008 af
Outflow=0.01 cfs 0.008 af

Pond 37P: Drywell 2-6 Peak Elev=1.01' Storage=11 cf Inflow=0.02 cfs 0.003 af
Outflow=0.01 cfs 0.003 af

Pond 38P: Drywell 2-7 Peak Elev=0.02' Storage=0 cf Inflow=0.00 cfs 0.001 af
Outflow=0.00 cfs 0.001 af

Pond 39P: Drywell 2-12 Peak Elev=0.12' Storage=1 cf Inflow=0.01 cfs 0.002 af
Outflow=0.01 cfs 0.002 af

Pond 40P: Drywell 2-11 Peak Elev=1.19' Storage=14 cf Inflow=0.03 cfs 0.002 af
Outflow=0.01 cfs 0.002 af

Pond 41P: Drywell 2-10 Peak Elev=5.29' Storage=165 cf Inflow=0.14 cfs 0.013 af
Outflow=0.02 cfs 0.013 af

Pond 42P: Drywell 2-9 Peak Elev=5.33' Storage=166 cf Inflow=0.15 cfs 0.012 af
Outflow=0.02 cfs 0.012 af

Pond 43P: Drywell 2-8 Peak Elev=3.39' Storage=101 cf Inflow=0.10 cfs 0.010 af
Outflow=0.02 cfs 0.010 af

Total Runoff Area = 8.718 ac Runoff Volume = 2.518 af Average Runoff Depth = 3.47"
53.47% Pervious = 4.661 ac 46.53% Impervious = 4.057 ac

Summary for Subcatchment P1: Flow Towards Route 6 and Red Brook Rd

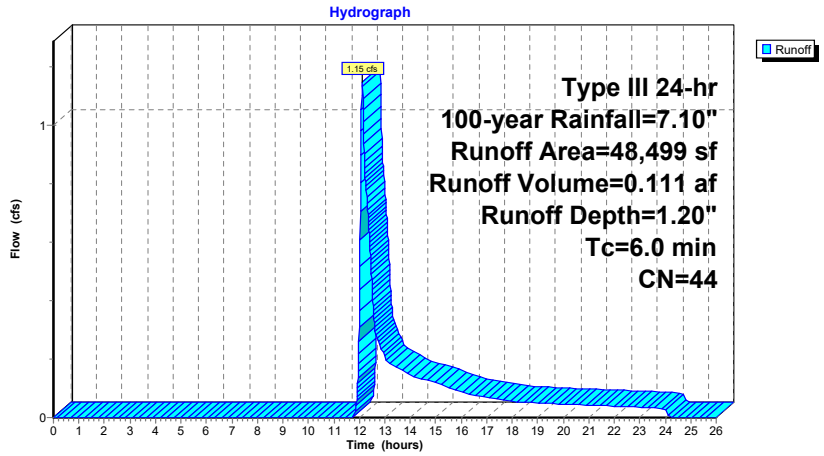
Runoff = 1.15 cfs @ 12.11 hrs, Volume= 0.111 af, Depth= 1.20"
Routed to Reach 1R : Flow Towards Route 6 and Red Brook Rd

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
4,348	98	Paved parking, HSG A
44,151	39	>75% Grass cover, Good, HSG A
48,499	44	Weighted Average
44,151		91.03% Pervious Area
4,348		8.97% Impervious Area

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

Subcatchment P1: Flow Towards Route 6 and Red Brook Rd



Summary for Subcatchment P2: Overland Flow to the East

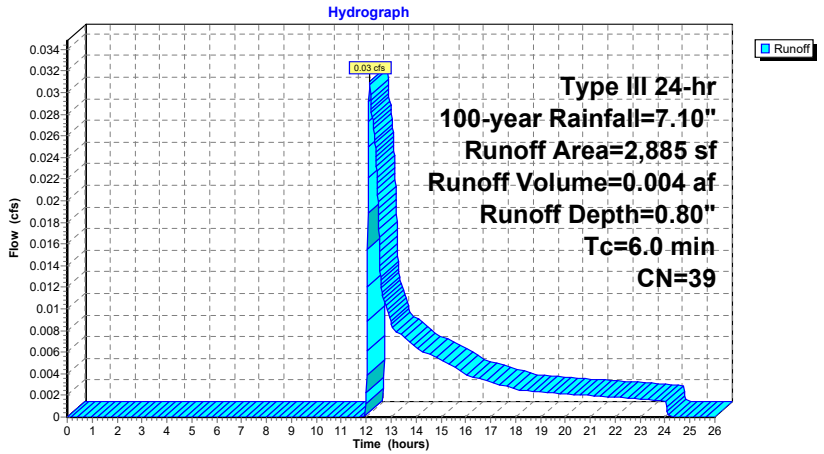
Runoff = 0.03 cfs @ 12.14 hrs, Volume= 0.004 af, Depth= 0.80"
Routed to Reach 2R : Flow to East Perimeter

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
2,885	39	>75% Grass cover, Good, HSG A
2,885		100.00% Pervious Area

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

Subcatchment P2: Overland Flow to the East



Summary for Subcatchment P3-1: Building A

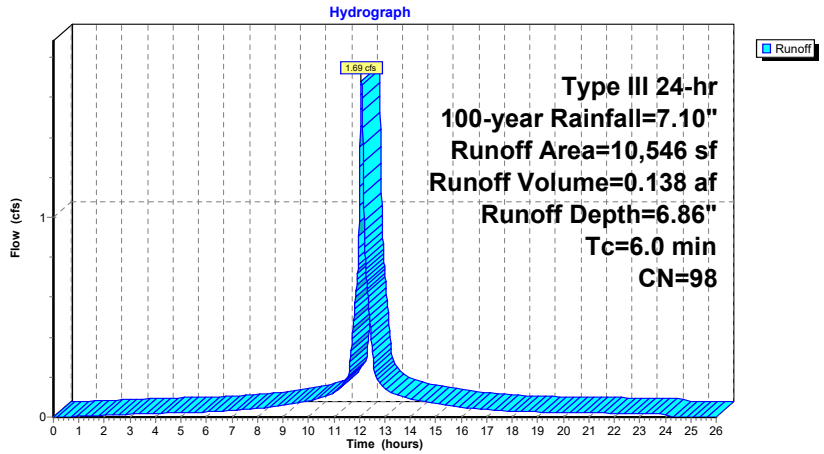
Runoff = 1.69 cfs @ 12.08 hrs, Volume= 0.138 af, Depth= 6.86"
Routed to Pond 2P : MC-3500 Underground Infiltration System 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
10,546	98	Roofs, HSG A
10,546		100.00% Impervious Area

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

Subcatchment P3-1: Building A



Summary for Subcatchment P3-10: Bldg D F Parking

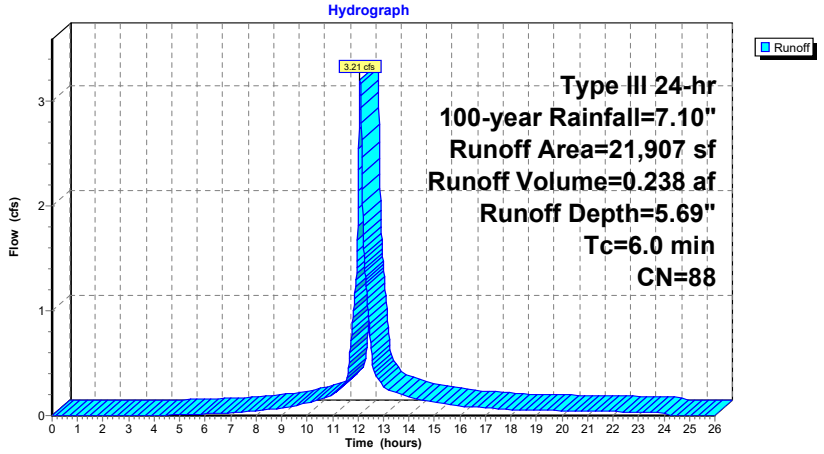
Runoff = 3.21 cfs @ 12.08 hrs, Volume= 0.238 af, Depth= 5.69"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
18,113	98	Paved parking, HSG A
3,794	39	>75% Grass cover, Good, HSG A
21,907	88	Weighted Average
3,794		17.32% Pervious Area
18,113		82.68% Impervious Area

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

Subcatchment P3-10: Bldg D F Parking



Summary for Subcatchment P3-13: Courtyard

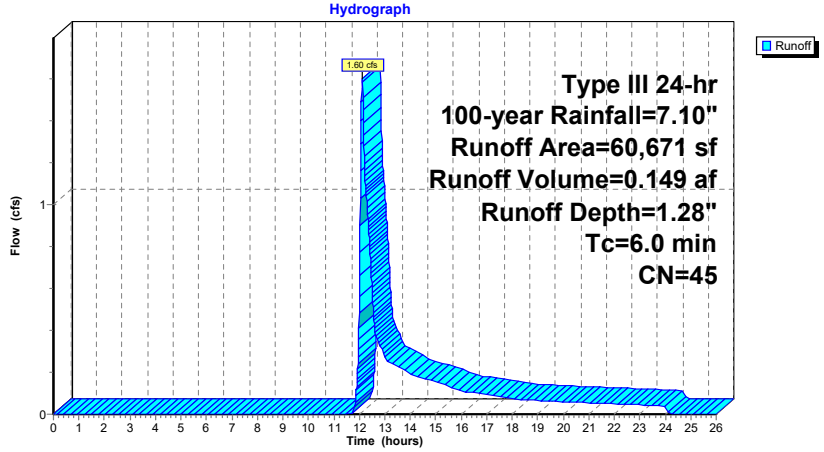
Runoff = 1.60 cfs @ 12.11 hrs, Volume= 0.149 af, Depth= 1.28"
Routed to Pond 7P : Area Drain 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

	Area (sf)	CN	Description
	54,018	39	>75% Grass cover, Good, HSG A
	275	98	Unconnected pavement, HSG A
	803	98	Roofs, HSG A
*	5,575	98	Stone Dust, HSG A
	60,671	45	Weighted Average
	54,018		89.03% Pervious Area
	6,653		10.97% Impervious Area
	275		4.13% Unconnected

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

Subcatchment P3-13: Courtyard



Summary for Subcatchment P3-14: Overland Flow

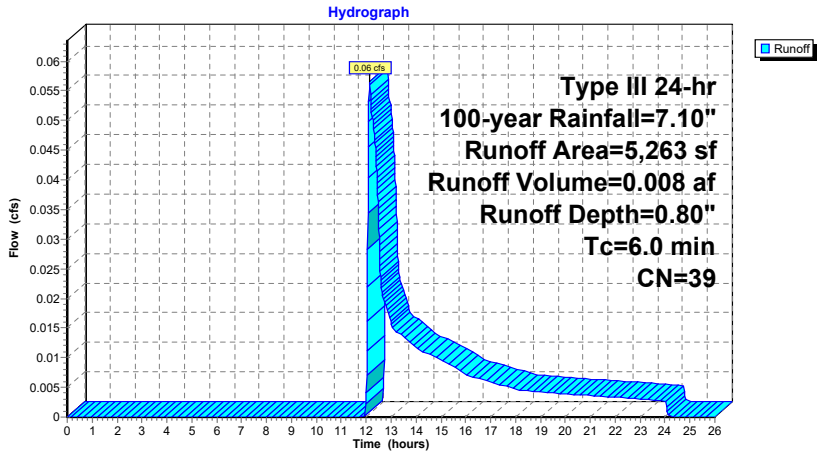
Runoff = 0.06 cfs @ 12.14 hrs, Volume= 0.008 af, Depth= 0.80"
Routed to Reach 3R : Flow to North Perimeter

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
5,263	39	>75% Grass cover, Good, HSG A
5,263		100.00% Pervious Area

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

Subcatchment P3-14: Overland Flow



Summary for Subcatchment P3-15: Bio-Retention Area

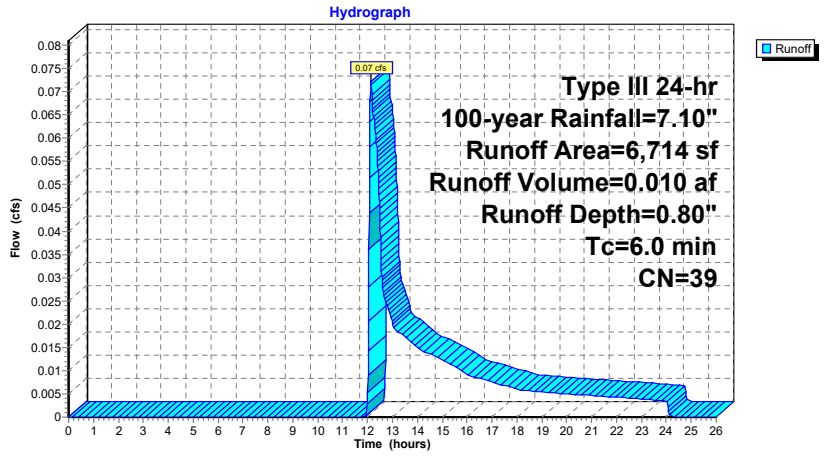
Runoff = 0.07 cfs @ 12.14 hrs, Volume= 0.010 af, Depth= 0.80"
Routed to Pond 6P : Bio-Retention Area

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
6,714	39	>75% Grass cover, Good, HSG A
6,714		100.00% Pervious Area

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

Subcatchment P3-15: Bio-Retention Area



Summary for Subcatchment P3-16: Swale

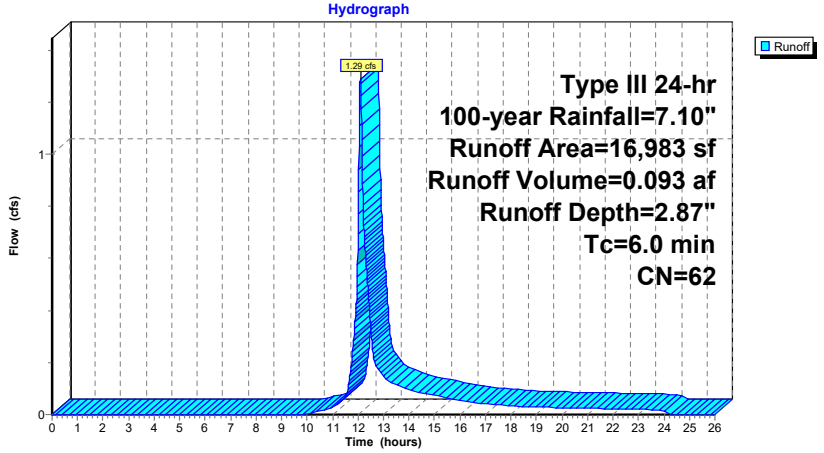
Runoff = 1.29 cfs @ 12.09 hrs, Volume= 0.093 af, Depth= 2.87"
Routed to Reach 4R : WQ Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
6,702	98	Paved parking, HSG A
10,281	39	>75% Grass cover, Good, HSG A
16,983	62	Weighted Average
10,281		60.54% Pervious Area
6,702		39.46% Impervious Area

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

Subcatchment P3-16: Swale



Summary for Subcatchment P3-17: Drywell 3-2

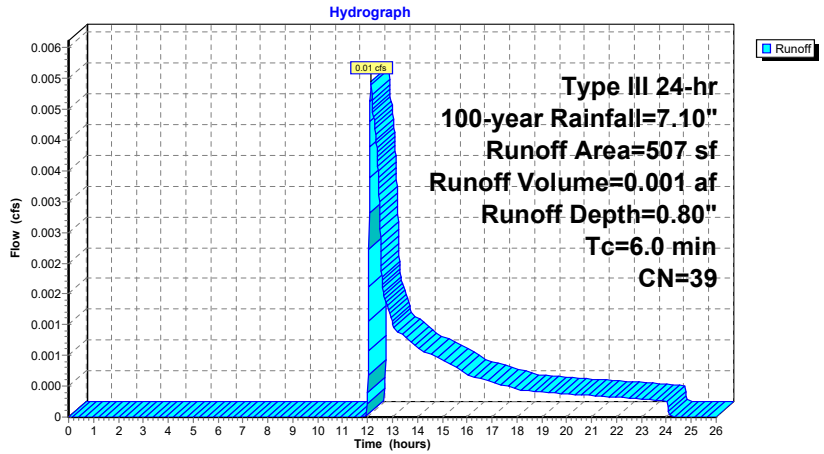
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 9P : Drywell 3-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
507	39	>75% Grass cover, Good, HSG A
507		100.00% Pervious Area

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

Subcatchment P3-17: Drywell 3-2



Summary for Subcatchment P3-18: Drywell 3-3

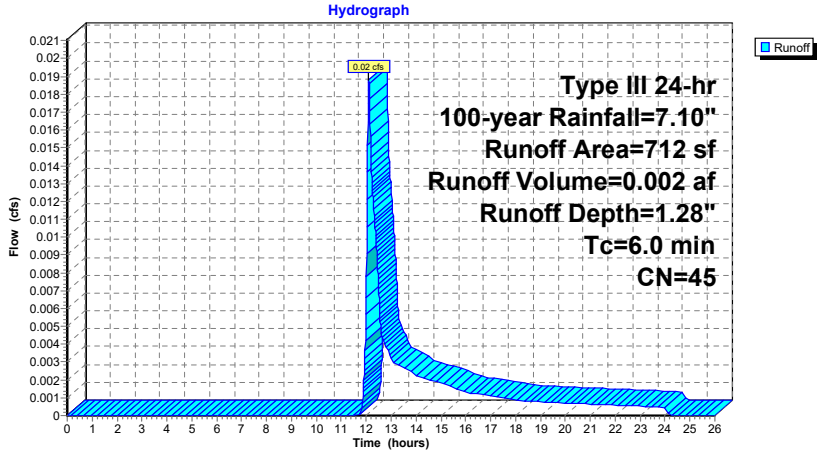
Runoff = 0.02 cfs @ 12.11 hrs, Volume= 0.002 af, Depth= 1.28"
Routed to Pond 10P : Drywell 3-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
73	98	Roofs, HSG A
639	39	>75% Grass cover, Good, HSG A
712	45	Weighted Average
639		89.75% Pervious Area
73		10.25% Impervious Area

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

Subcatchment P3-18: Drywell 3-3



Summary for Subcatchment P3-19: Drywell 3-4

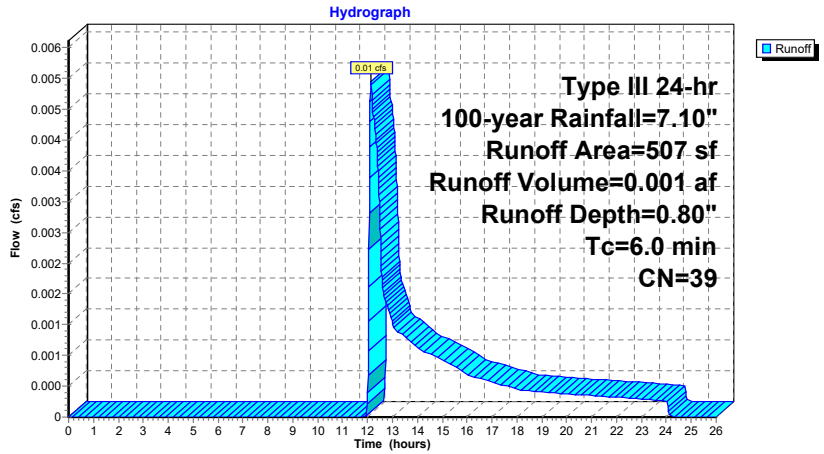
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 11P : Drywell 3-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
507	39	>75% Grass cover, Good, HSG A
507		100.00% Pervious Area

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

Subcatchment P3-19: Drywell 3-4



Summary for Subcatchment P3-2: Building B

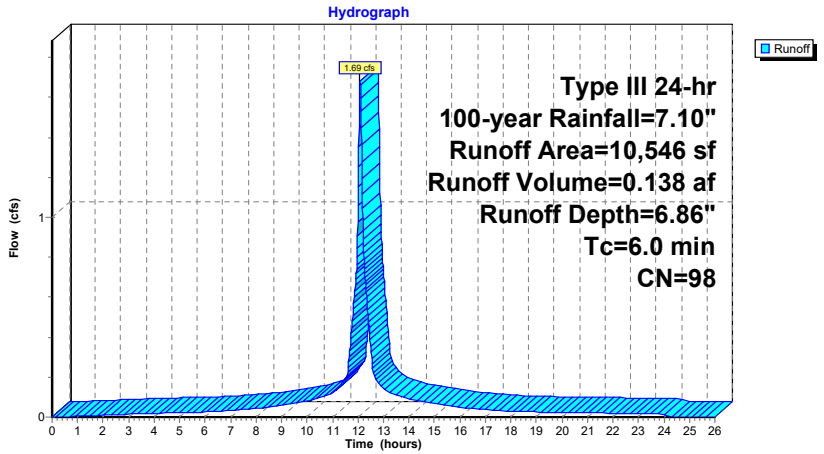
Runoff = 1.69 cfs @ 12.08 hrs, Volume= 0.138 af, Depth= 6.86"
Routed to Pond 2P : MC-3500 Underground Infiltration System 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
10,546	98	Roofs, HSG A
10,546		100.00% Impervious Area

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

Subcatchment P3-2: Building B



Summary for Subcatchment P3-20: Drywell 3-5

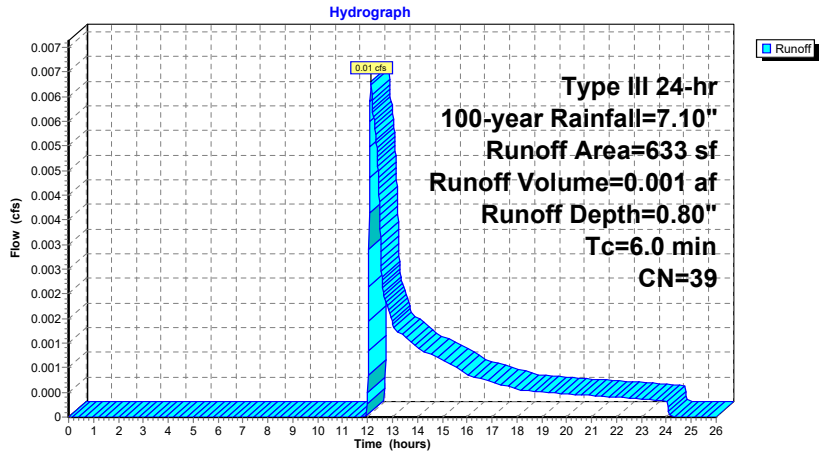
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 12P : Drywell 3-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
633	39	>75% Grass cover, Good, HSG A
633		100.00% Pervious Area

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

Subcatchment P3-20: Drywell 3-5



Summary for Subcatchment P3-21: Drywell 3-6

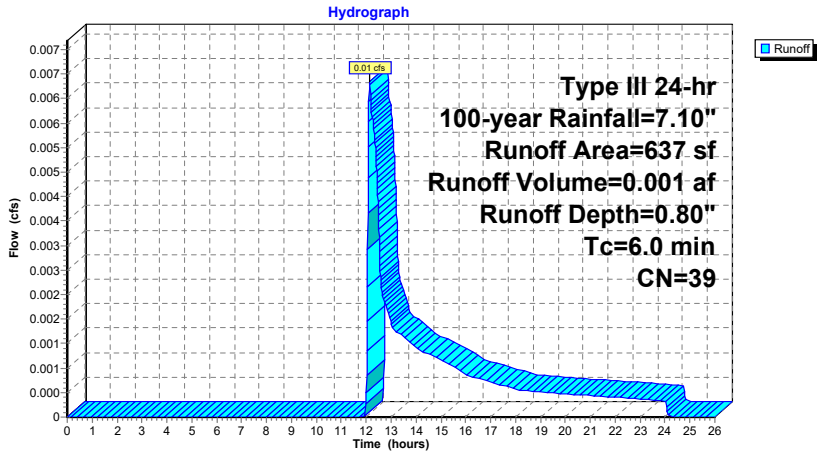
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 13P : Drywell 3-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
637	39	>75% Grass cover, Good, HSG A
637		100.00% Pervious Area

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

Subcatchment P3-21: Drywell 3-6



Summary for Subcatchment P3-22: Drywell 3-7

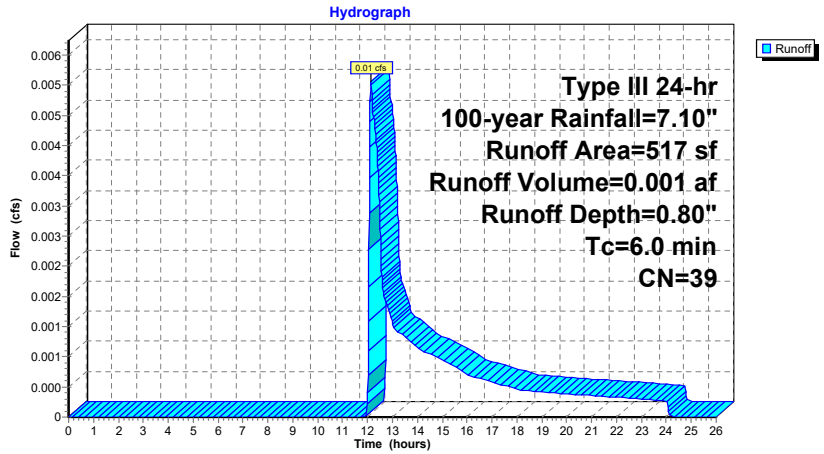
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 14P : Drywell 3-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
517	39	>75% Grass cover, Good, HSG A
517		100.00% Pervious Area

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

Subcatchment P3-22: Drywell 3-7



Summary for Subcatchment P3-23: Drywell 3-8

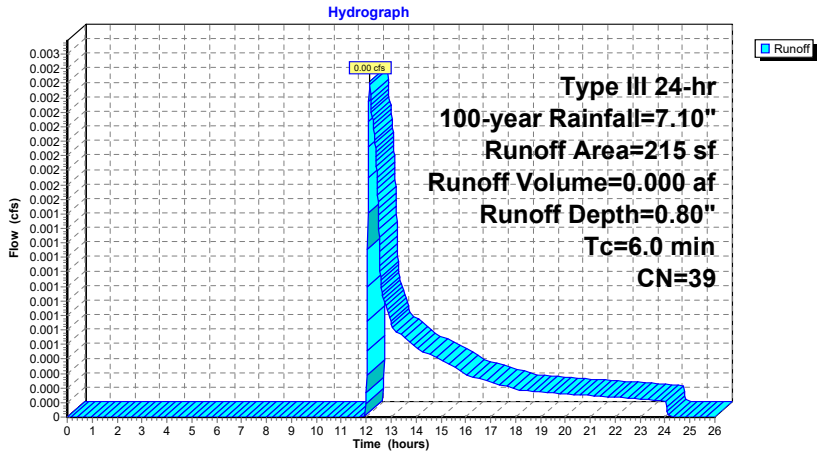
Runoff = 0.00 cfs @ 12.14 hrs, Volume= 0.000 af, Depth= 0.80"
Routed to Pond 15P : Drywell 3-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
215	39	>75% Grass cover, Good, HSG A
215		100.00% Pervious Area

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

Subcatchment P3-23: Drywell 3-8



Summary for Subcatchment P3-24: Drywell 1-1

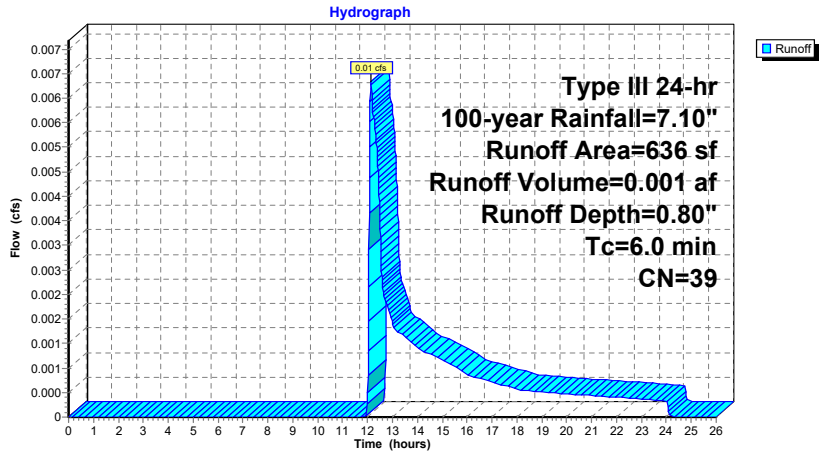
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 16P : Drywell 1-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
636	39	>75% Grass cover, Good, HSG A
636		100.00% Pervious Area

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

Subcatchment P3-24: Drywell 1-1



Summary for Subcatchment P3-25: Drywell 1-2

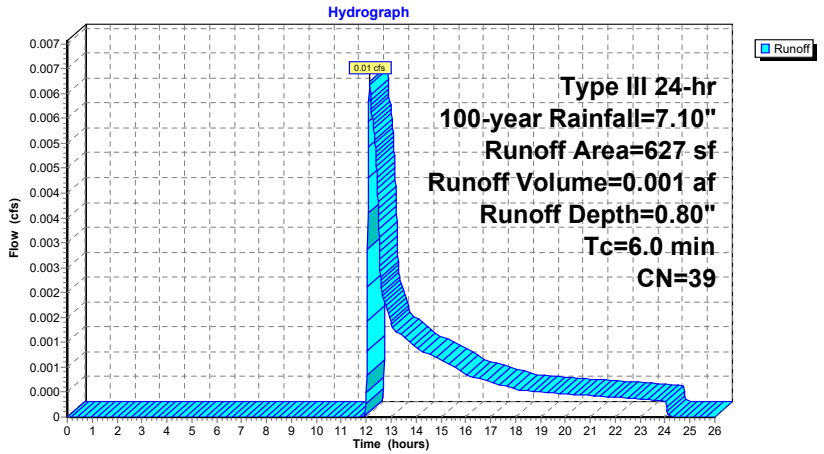
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 17P : Drywell 1-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
627	39	>75% Grass cover, Good, HSG A
627		100.00% Pervious Area

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

Subcatchment P3-25: Drywell 1-2



Summary for Subcatchment P3-26: Drywell 1-3

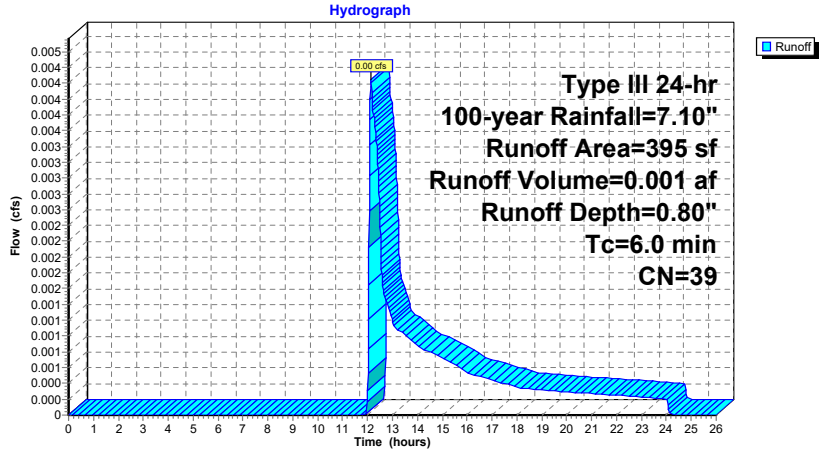
Runoff = 0.00 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 18P : Drywell 1-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
395	39	>75% Grass cover, Good, HSG A
395		100.00% Pervious Area

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

Subcatchment P3-26: Drywell 1-3



Summary for Subcatchment P3-27: Drywell 1-4

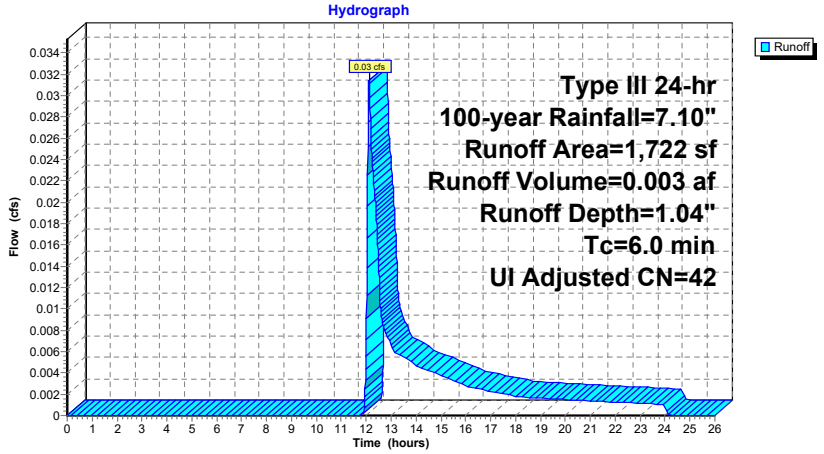
Runoff = 0.03 cfs @ 12.12 hrs, Volume= 0.003 af, Depth= 1.04"
Routed to Pond 19P : Drywell 1-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
1,575	39		>75% Grass cover, Good, HSG A
147	98		Unconnected pavement, HSG A
1,722	44	42	Weighted Average, UI Adjusted
1,575			91.46% Pervious Area
147			8.54% Impervious Area
147			100.00% Unconnected

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

Subcatchment P3-27: Drywell 1-4



Summary for Subcatchment P3-28: Drywell 1-5

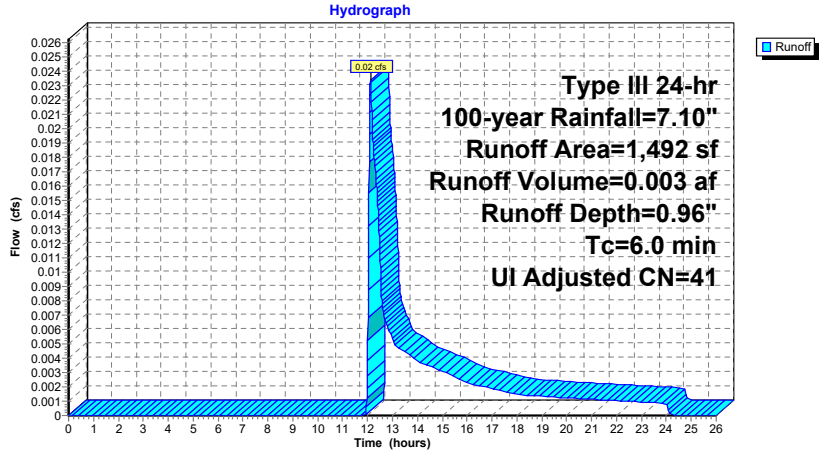
Runoff = 0.02 cfs @ 12.12 hrs, Volume= 0.003 af, Depth= 0.96"
Routed to Pond 20P : Drywell 1-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
1,368	39		>75% Grass cover, Good, HSG A
124	98		Unconnected pavement, HSG A
1,492	44	41	Weighted Average, UI Adjusted
1,368			91.69% Pervious Area
124			8.31% Impervious Area
124			100.00% Unconnected

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

Subcatchment P3-28: Drywell 1-5



Summary for Subcatchment P3-29: Drywell 1-6

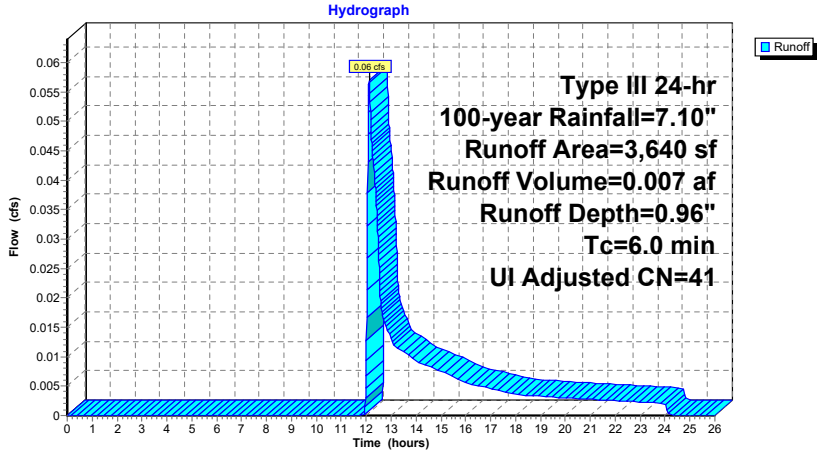
Runoff = 0.06 cfs @ 12.12 hrs, Volume= 0.007 af, Depth= 0.96"
Routed to Pond 21P : Drywell 1-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
3,419	39		>75% Grass cover, Good, HSG A
221	98		Unconnected pavement, HSG A
3,640	43	41	Weighted Average, UI Adjusted
3,419			93.93% Pervious Area
221			6.07% Impervious Area
221			100.00% Unconnected

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

Subcatchment P3-29: Drywell 1-6



Summary for Subcatchment P3-3: Building E

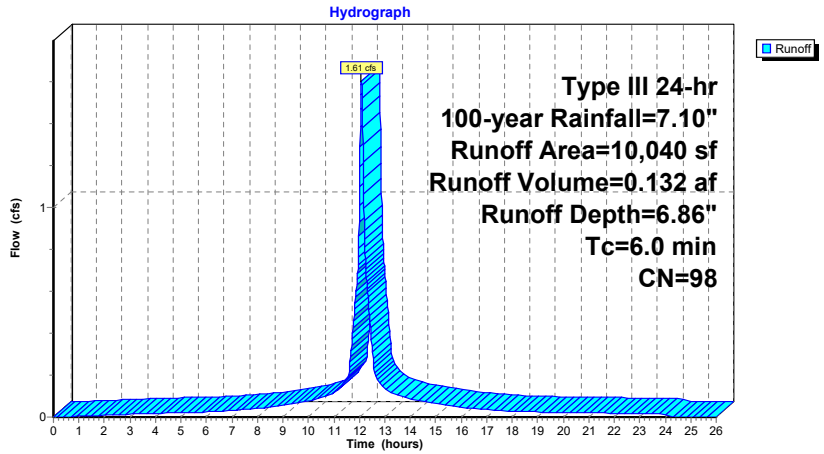
Runoff = 1.61 cfs @ 12.08 hrs, Volume= 0.132 af, Depth= 6.86"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
10,040	98	Roofs, HSG A
10,040		100.00% Impervious Area

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

Subcatchment P3-3: Building E



Summary for Subcatchment P3-30: Drywell 1-7

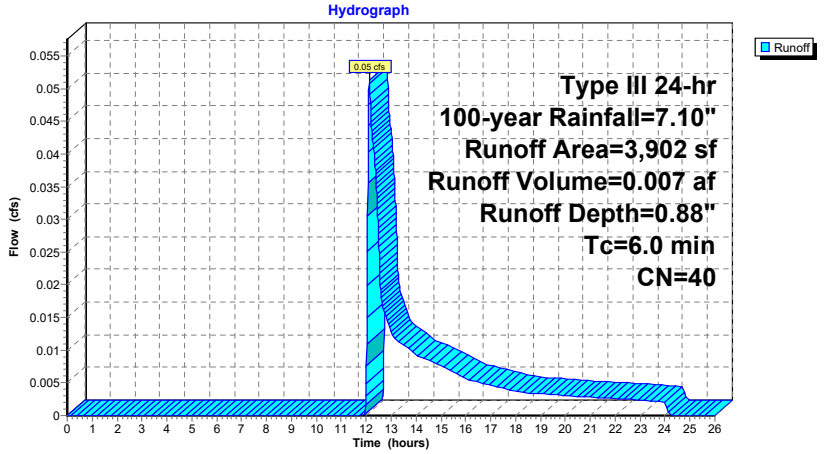
Runoff = 0.05 cfs @ 12.13 hrs, Volume= 0.007 af, Depth= 0.88"
Routed to Pond 22P : Drywell 1-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
3,829	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
3,902	40	Weighted Average
3,829		98.13% Pervious Area
73		1.87% Impervious Area

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

Subcatchment P3-30: Drywell 1-7



Summary for Subcatchment P3-31: Drywell 1-8

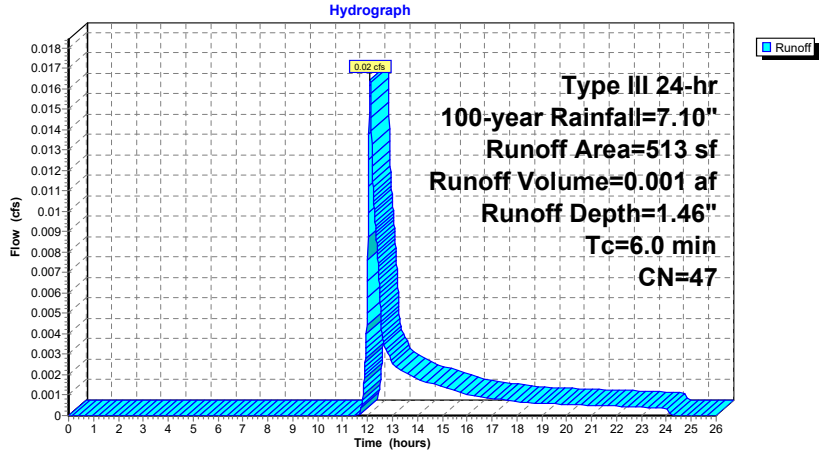
Runoff = 0.02 cfs @ 12.11 hrs, Volume= 0.001 af, Depth= 1.46"
Routed to Pond 23P : Drywell 1-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
440	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
513	47	Weighted Average
440		85.77% Pervious Area
73		14.23% Impervious Area

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

Subcatchment P3-31: Drywell 1-8



Summary for Subcatchment P3-32: Drywell 1-9

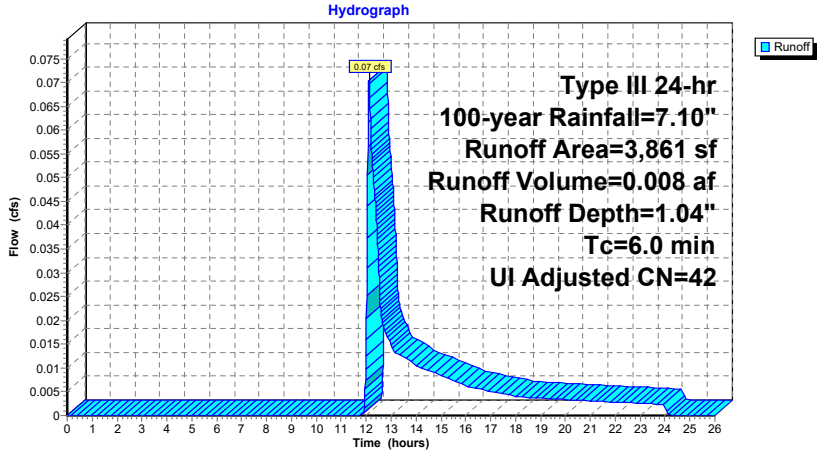
Runoff = 0.07 cfs @ 12.12 hrs, Volume= 0.008 af, Depth= 1.04"
Routed to Pond 24P : Drywell 1-9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
3,462	39		>75% Grass cover, Good, HSG A
399	98		Unconnected pavement, HSG A
3,861	45	42	Weighted Average, UI Adjusted
3,462			89.67% Pervious Area
399			10.33% Impervious Area
399			100.00% Unconnected

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

Subcatchment P3-32: Drywell 1-9



Summary for Subcatchment P3-33: Drywell 1-10

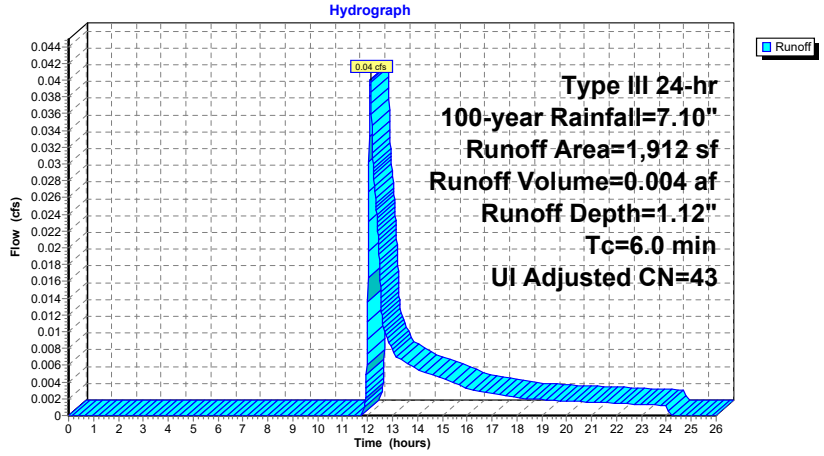
Runoff = 0.04 cfs @ 12.12 hrs, Volume= 0.004 af, Depth= 1.12"
Routed to Pond 25P : Drywell 1-10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
1,674	39		>75% Grass cover, Good, HSG A
238	98		Unconnected pavement, HSG A
1,912	46	43	Weighted Average, UI Adjusted
1,674			87.55% Pervious Area
238			12.45% Impervious Area
238			100.00% Unconnected

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

Subcatchment P3-33: Drywell 1-10



Summary for Subcatchment P3-34: Drywell 1-11

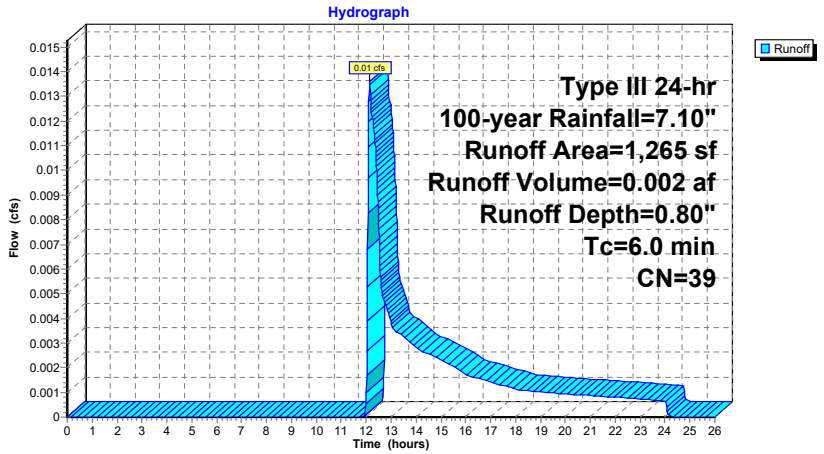
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.002 af, Depth= 0.80"
Routed to Pond 26P : Drywell 1-11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
1,265	39	>75% Grass cover, Good, HSG A
1,265		100.00% Pervious Area

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

Subcatchment P3-34: Drywell 1-11



Summary for Subcatchment P3-35: Drywell 1-12

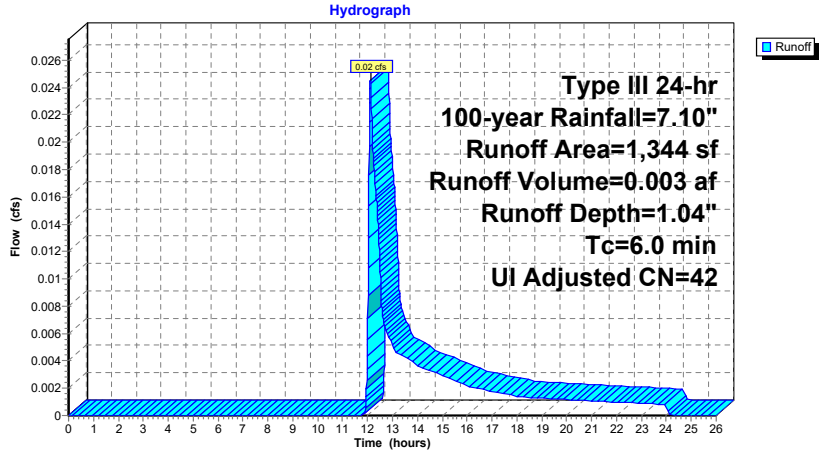
Runoff = 0.02 cfs @ 12.12 hrs, Volume= 0.003 af, Depth= 1.04"
Routed to Pond 27P : Drywell 1-12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
1,217	39		>75% Grass cover, Good, HSG A
127	98		Unconnected pavement, HSG A
1,344	45	42	Weighted Average, UI Adjusted
1,217			90.55% Pervious Area
127			9.45% Impervious Area
127			100.00% Unconnected

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

Subcatchment P3-35: Drywell 1-12



Summary for Subcatchment P3-36: Drywell 1-13

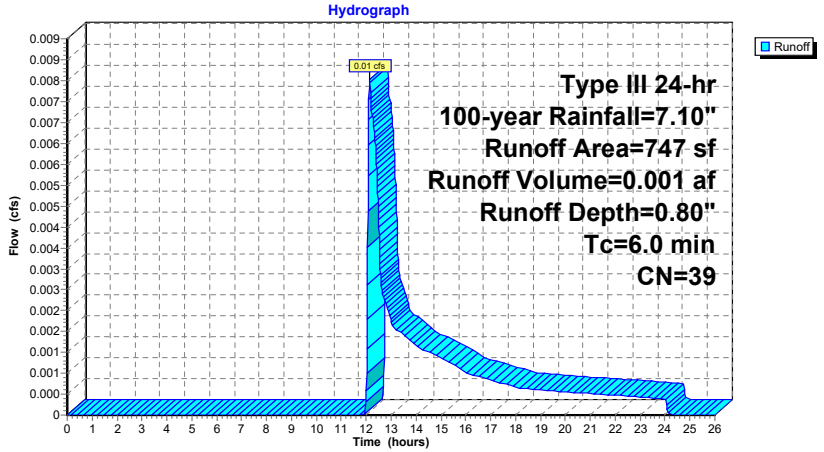
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 28P : Drywell 1-13

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
747	39	>75% Grass cover, Good, HSG A
747		100.00% Pervious Area

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

Subcatchment P3-36: Drywell 1-13



Summary for Subcatchment P3-37: Drywell 1-14

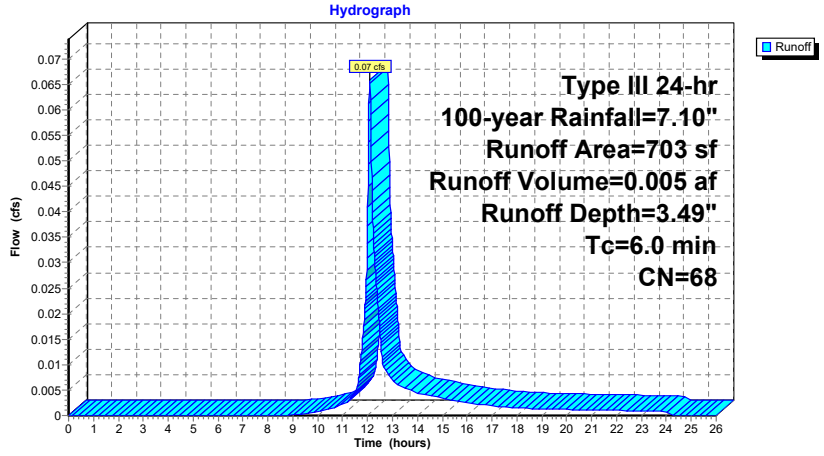
Runoff = 0.07 cfs @ 12.09 hrs, Volume= 0.005 af, Depth= 3.49"
Routed to Pond 29P : Drywell 1-14

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
362	39	>75% Grass cover, Good, HSG A
341	98	Unconnected pavement, HSG A
703	68	Weighted Average
362		51.49% Pervious Area
341		48.51% Impervious Area
341		100.00% Unconnected

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

Subcatchment P3-37: Drywell 1-14



Summary for Subcatchment P3-38: Drywell 1-15

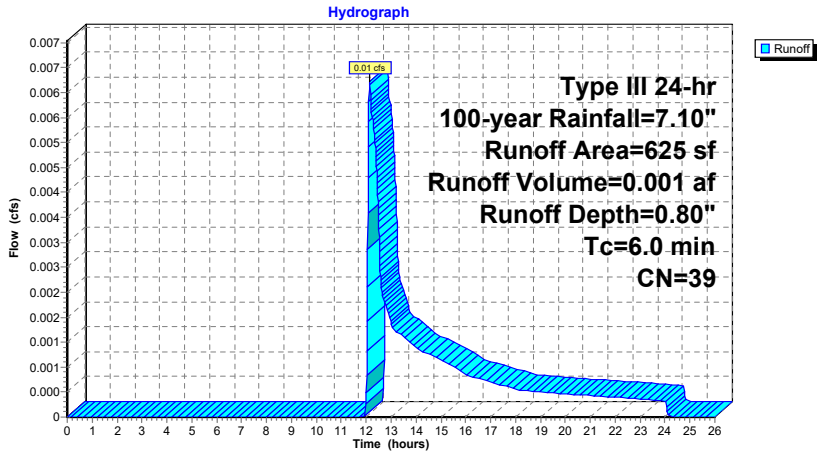
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 30P : Drywell 1-15

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
625	39	>75% Grass cover, Good, HSG A
625		100.00% Pervious Area

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

Subcatchment P3-38: Drywell 1-15



Summary for Subcatchment P3-39: Drywell 1-16

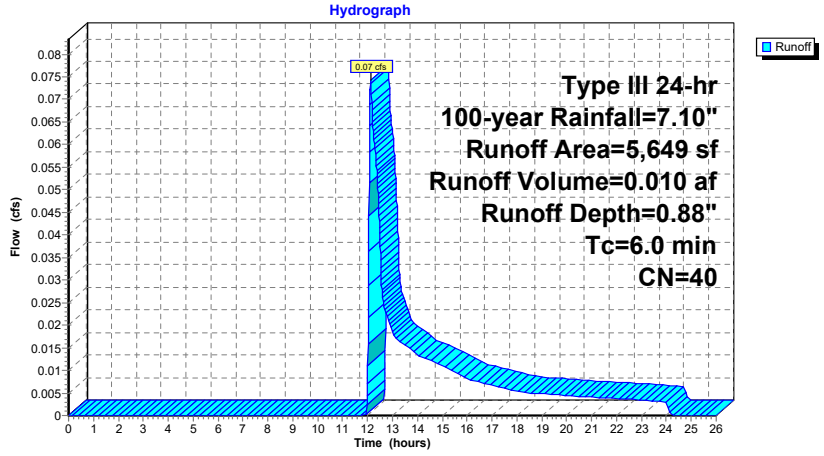
Runoff = 0.07 cfs @ 12.13 hrs, Volume= 0.010 af, Depth= 0.88"
Routed to Pond 31P : Drywell 1-16

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
5,520	39	>75% Grass cover, Good, HSG A
129	98	Unconnected pavement, HSG A
5,649	40	Weighted Average
5,520		97.72% Pervious Area
129		2.28% Impervious Area
129		100.00% Unconnected

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

Subcatchment P3-39: Drywell 1-16



Summary for Subcatchment P3-4: Building F

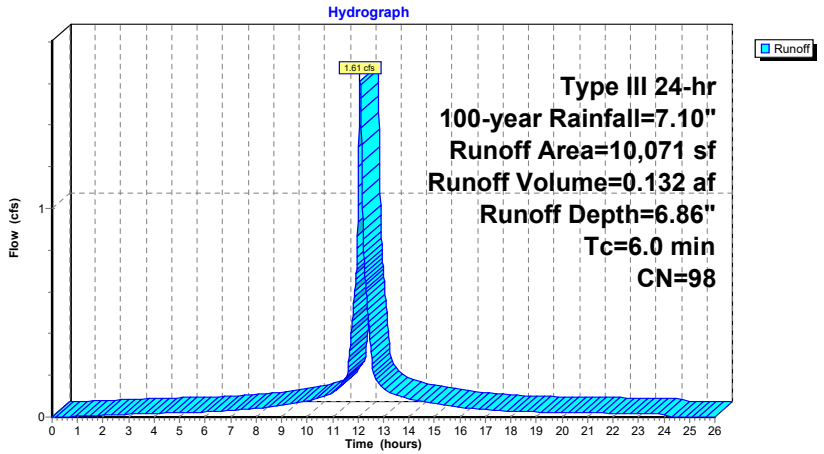
Runoff = 1.61 cfs @ 12.08 hrs, Volume= 0.132 af, Depth= 6.86"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
10,071	98	Roofs, HSG A
10,071		100.00% Impervious Area

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

Subcatchment P3-4: Building F



Summary for Subcatchment P3-40: Drywell 2-1

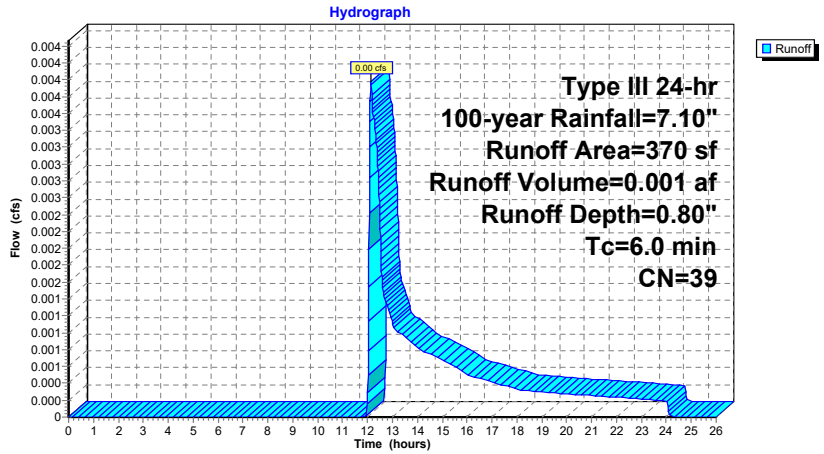
Runoff = 0.00 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 32P : Drywell 2-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
370	39	>75% Grass cover, Good, HSG A
370		100.00% Pervious Area

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

Subcatchment P3-40: Drywell 2-1



Summary for Subcatchment P3-41: Drywell 2-2

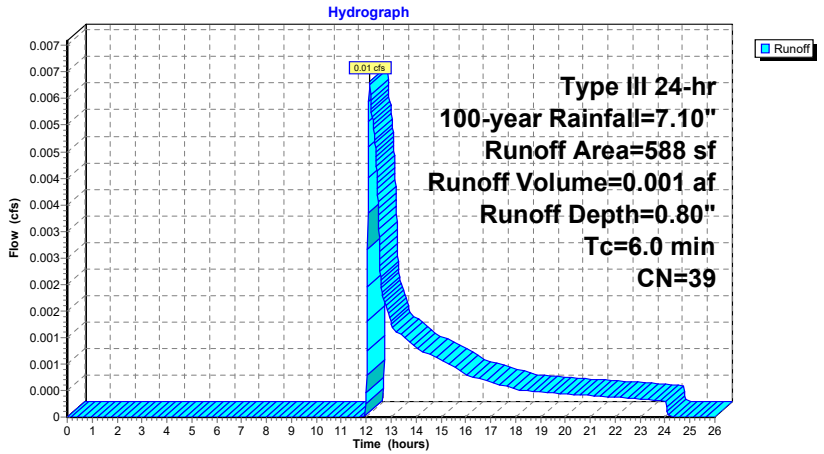
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 33P : Drywell 2-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
588	39	>75% Grass cover, Good, HSG A
588		100.00% Pervious Area

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

Subcatchment P3-41: Drywell 2-2



Summary for Subcatchment P3-42: Drywell 2-3

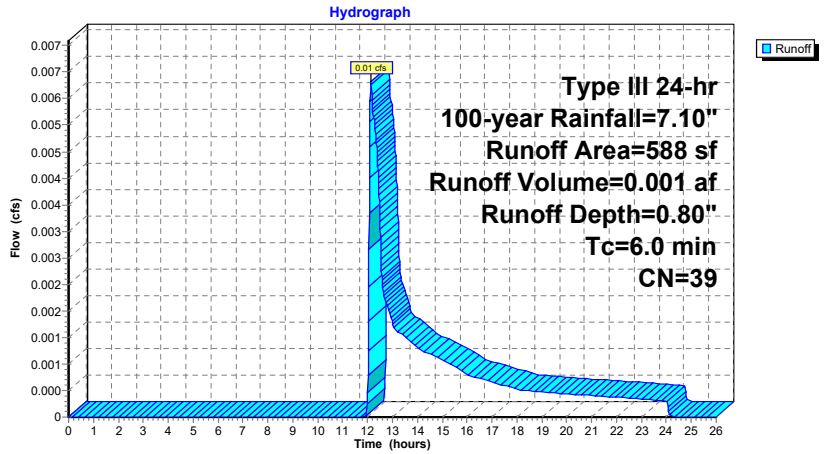
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 35P : Drywell 2-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
588	39	>75% Grass cover, Good, HSG A
588		100.00% Pervious Area

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

Subcatchment P3-42: Drywell 2-3



Summary for Subcatchment P3-43: Drywell 2-4

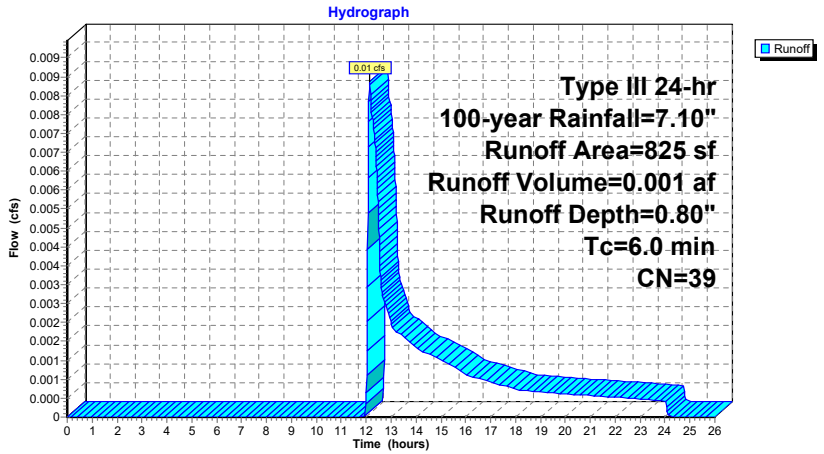
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 34P : Drywell 2-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
825	39	>75% Grass cover, Good, HSG A
825		100.00% Pervious Area

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

Subcatchment P3-43: Drywell 2-4



Summary for Subcatchment P3-44: Drywell 2-5

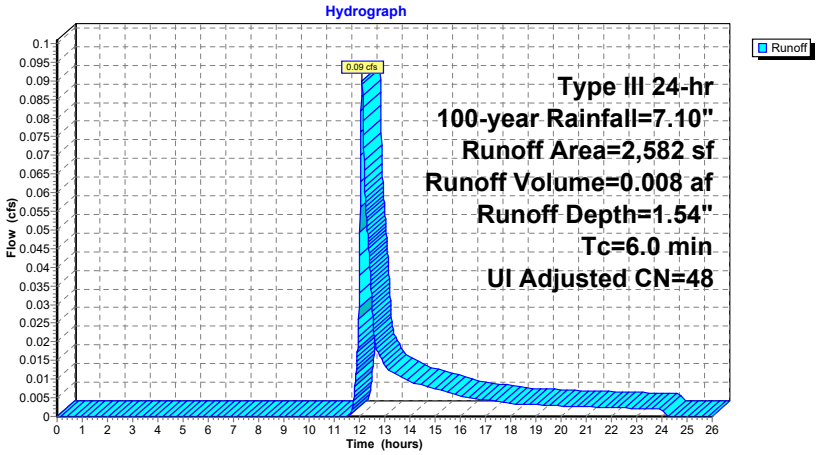
Runoff = 0.09 cfs @ 12.10 hrs, Volume= 0.008 af, Depth= 1.54"
Routed to Pond 36P : Drywell 2-5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
1,941	39		>75% Grass cover, Good, HSG A
495	98		Unconnected pavement, HSG A
146	98		Roofs, HSG A
2,582	54	48	Weighted Average, UI Adjusted
1,941			75.17% Pervious Area
641			24.83% Impervious Area
495			77.22% Unconnected

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

Subcatchment P3-44: Drywell 2-5



Summary for Subcatchment P3-45: Drywell 2-6

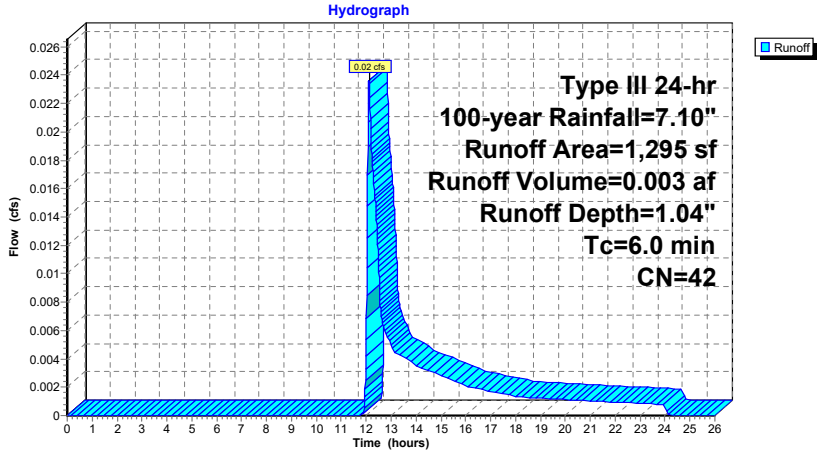
Runoff = 0.02 cfs @ 12.12 hrs, Volume= 0.003 af, Depth= 1.04"
Routed to Pond 37P : Drywell 2-6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
1,222	39	>75% Grass cover, Good, HSG A
73	98	Roofs, HSG A
1,295	42	Weighted Average
1,222		94.36% Pervious Area
73		5.64% Impervious Area

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

Subcatchment P3-45: Drywell 2-6



Summary for Subcatchment P3-46: Drywell 2-7

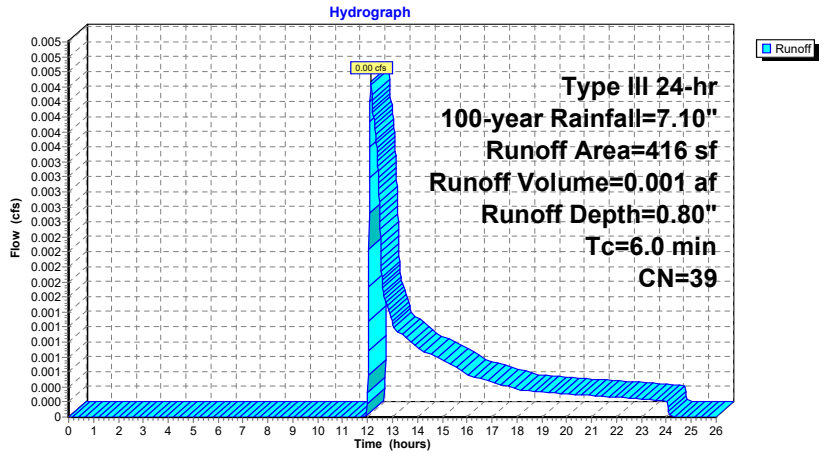
Runoff = 0.00 cfs @ 12.14 hrs, Volume= 0.001 af, Depth= 0.80"
Routed to Pond 38P : Drywell 2-7

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
416	39	>75% Grass cover, Good, HSG A
416		100.00% Pervious Area

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

Subcatchment P3-46: Drywell 2-7



Summary for Subcatchment P3-47: Drywell 2-12

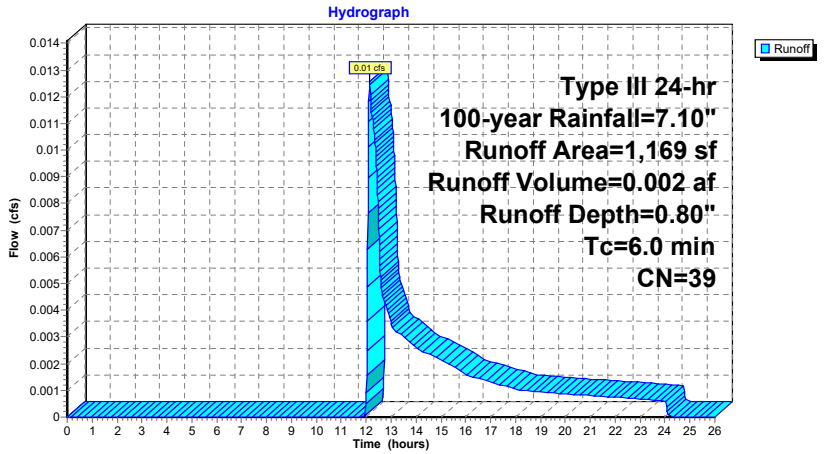
Runoff = 0.01 cfs @ 12.14 hrs, Volume= 0.002 af, Depth= 0.80"
Routed to Pond 39P : Drywell 2-12

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
1,169	39	>75% Grass cover, Good, HSG A
1,169		100.00% Pervious Area

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

Subcatchment P3-47: Drywell 2-12



Summary for Subcatchment P3-48: Drywell 2-11

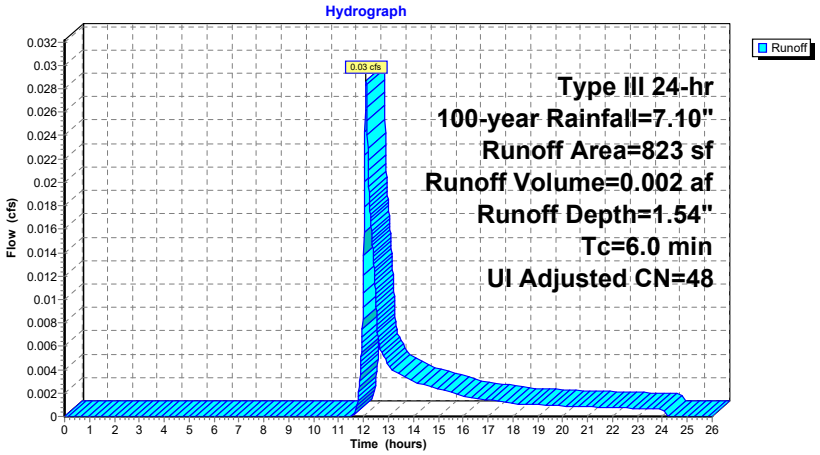
Runoff = 0.03 cfs @ 12.10 hrs, Volume= 0.002 af, Depth= 1.54"
Routed to Pond 40P : Drywell 2-11

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Adj	Description
638	39		>75% Grass cover, Good, HSG A
112	98		Unconnected pavement, HSG A
73	98		Roofs, HSG A
823	52	48	Weighted Average, UI Adjusted
638			77.52% Pervious Area
185			22.48% Impervious Area
112			60.54% Unconnected

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

Subcatchment P3-48: Drywell 2-11



Summary for Subcatchment P3-49: Drywell 2-10

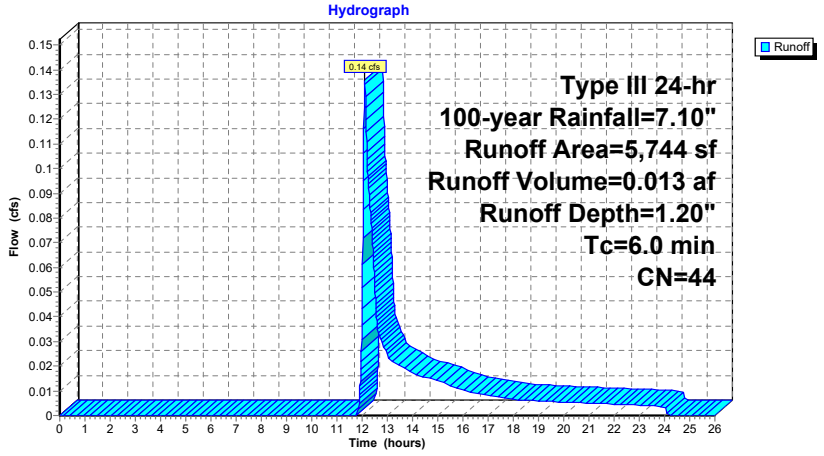
Runoff = 0.14 cfs @ 12.11 hrs, Volume= 0.013 af, Depth= 1.20"
Routed to Pond 41P : Drywell 2-10

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

	Area (sf)	CN	Description
	5,259	39	>75% Grass cover, Good, HSG A
*	412	98	Stone Dust Walk, HSG A
	73	98	Roofs, HSG A
	5,744	44	Weighted Average
	5,259		91.56% Pervious Area
	485		8.44% Impervious Area

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

Subcatchment P3-49: Drywell 2-10



Summary for Subcatchment P3-5: Building D

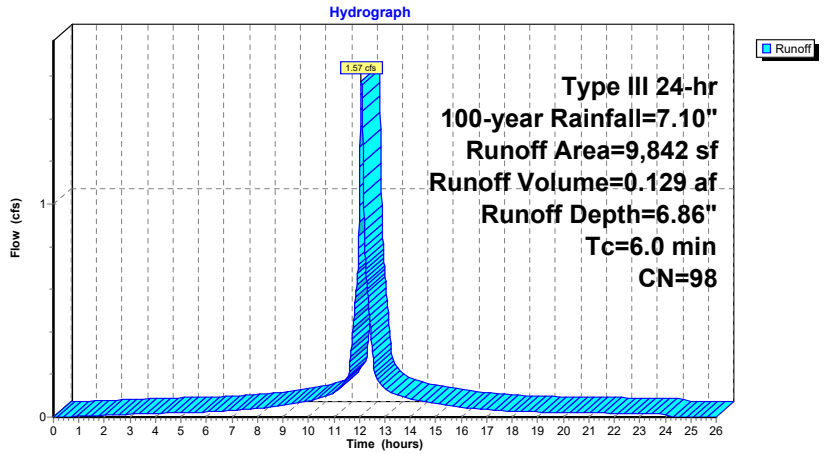
Runoff = 1.57 cfs @ 12.08 hrs, Volume= 0.129 af, Depth= 6.86"
Routed to Pond 4P : MC-3500 Underground Infiltration System 4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
9,842	98	Roofs, HSG A
9,842		100.00% Impervious Area

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

Subcatchment P3-5: Building D



Summary for Subcatchment P3-50: Drywell 2-9

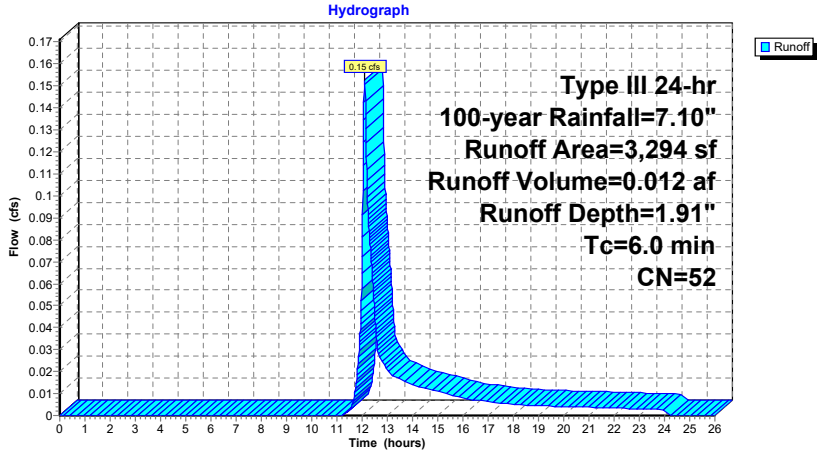
Runoff = 0.15 cfs @ 12.10 hrs, Volume= 0.012 af, Depth= 1.91"
Routed to Pond 42P : Drywell 2-9

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

	Area (sf)	CN	Description
	2,552	39	>75% Grass cover, Good, HSG A
*	596	98	Stone Dust Walk, HSG A
	146	98	Roofs, HSG A
	3,294	52	Weighted Average
	2,552		77.47% Pervious Area
	742		22.53% Impervious Area

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

Subcatchment P3-50: Drywell 2-9



Summary for Subcatchment P3-51: Drywell 2-8

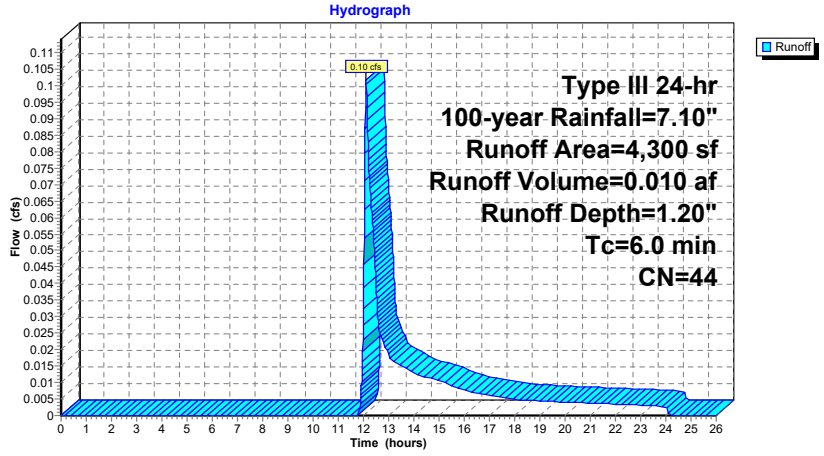
Runoff = 0.10 cfs @ 12.11 hrs, Volume= 0.010 af, Depth= 1.20"
Routed to Pond 43P : Drywell 2-8

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

	Area (sf)	CN	Description
	3,933	39	>75% Grass cover, Good, HSG A
*	221	98	Stone Dust Walk, HSG A
	146	98	Roofs, HSG A
	4,300	44	Weighted Average
	3,933		91.47% Pervious Area
	367		8.53% Impervious Area

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

Subcatchment P3-51: Drywell 2-8



Summary for Subcatchment P3-6: Community Building

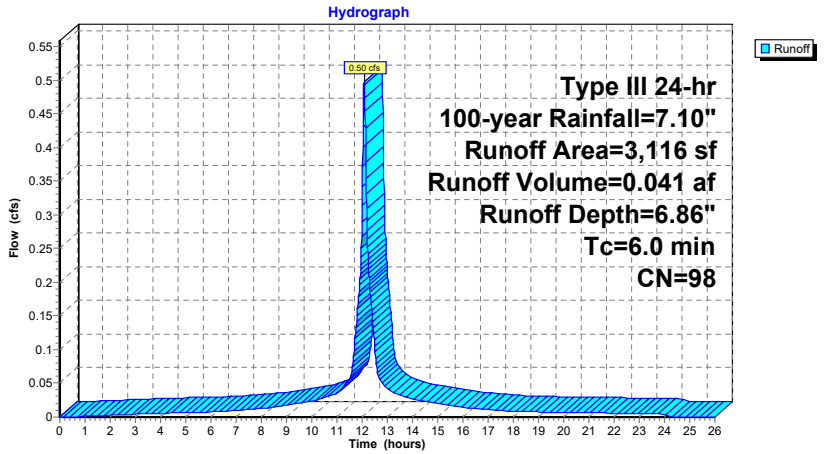
Runoff = 0.50 cfs @ 12.08 hrs, Volume= 0.041 af, Depth= 6.86"
Routed to Pond 5P : MC-3500 Underground Infiltration System 5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
3,116	98	Roofs, HSG A
3,116		100.00% Impervious Area

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

Subcatchment P3-6: Community Building



Summary for Subcatchment P3-7: Building A and B Parking

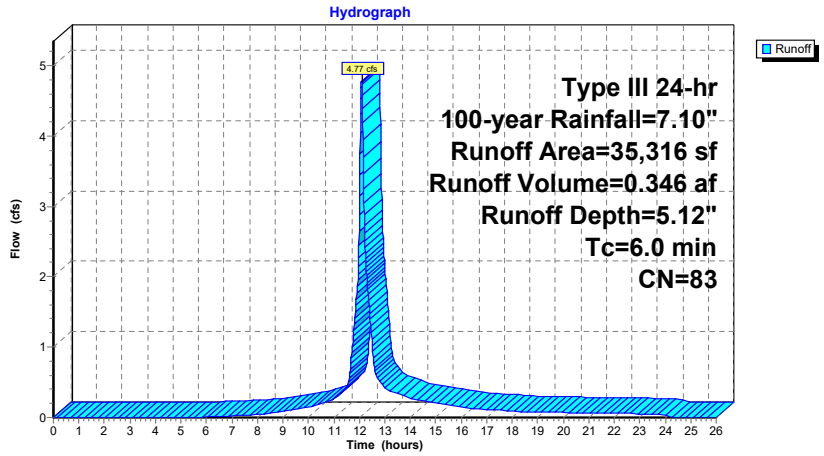
Runoff = 4.77 cfs @ 12.09 hrs, Volume= 0.346 af, Depth= 5.12"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

	Area (sf)	CN	Description
	26,290	98	Paved parking, HSG A
	8,717	39	>75% Grass cover, Good, HSG A
*	309	98	Stone Dust, HSG A
	35,316	83	Weighted Average
	8,717		24.68% Pervious Area
	26,599		75.32% Impervious Area

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

Subcatchment P3-7: Building A and B Parking



Summary for Subcatchment P3-8: Building E Parking

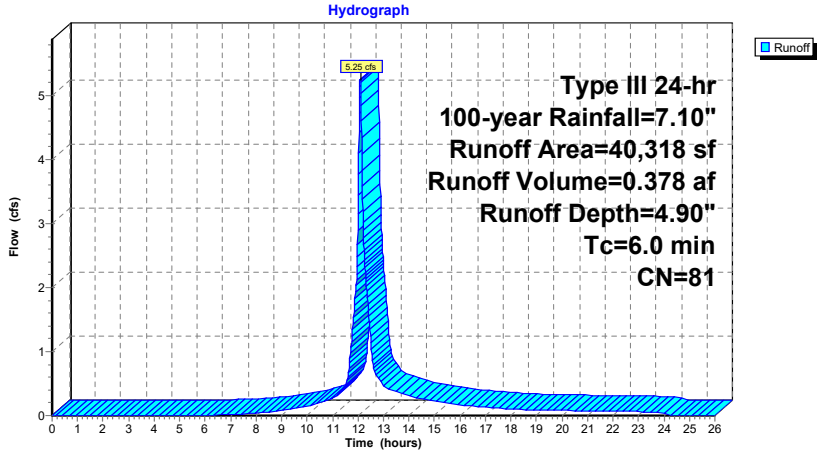
Runoff = 5.25 cfs @ 12.09 hrs, Volume= 0.378 af, Depth= 4.90"
Routed to Pond 3P : MC-4500 Underground Infiltration System 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
28,898	98	Paved parking, HSG A
11,420	39	>75% Grass cover, Good, HSG A
40,318	81	Weighted Average
11,420		28.32% Pervious Area
28,898		71.68% Impervious Area

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

Subcatchment P3-8: Building E Parking



Summary for Subcatchment P3-9: Building F Parking

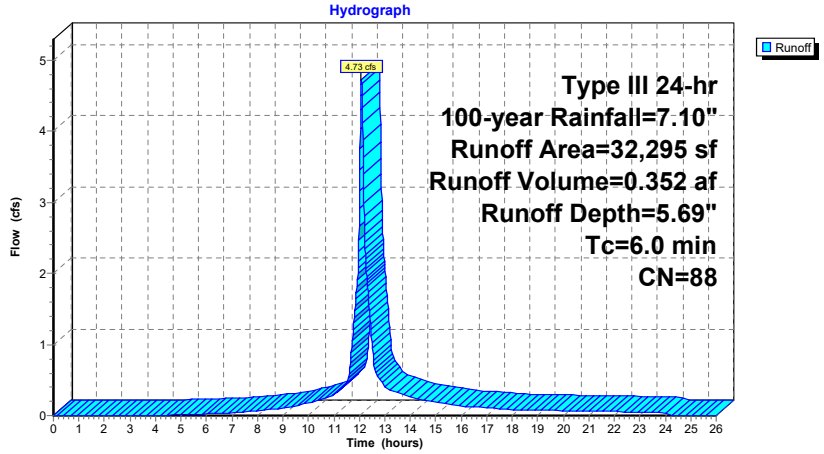
Runoff = 4.73 cfs @ 12.08 hrs, Volume= 0.352 af, Depth= 5.69"
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Type III 24-hr 100-year Rainfall=7.10"

Area (sf)	CN	Description
26,810	98	Paved parking, HSG A
5,485	39	>75% Grass cover, Good, HSG A
32,295	88	Weighted Average
5,485		16.98% Pervious Area
26,810		83.02% Impervious Area

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

Subcatchment P3-9: Building F Parking

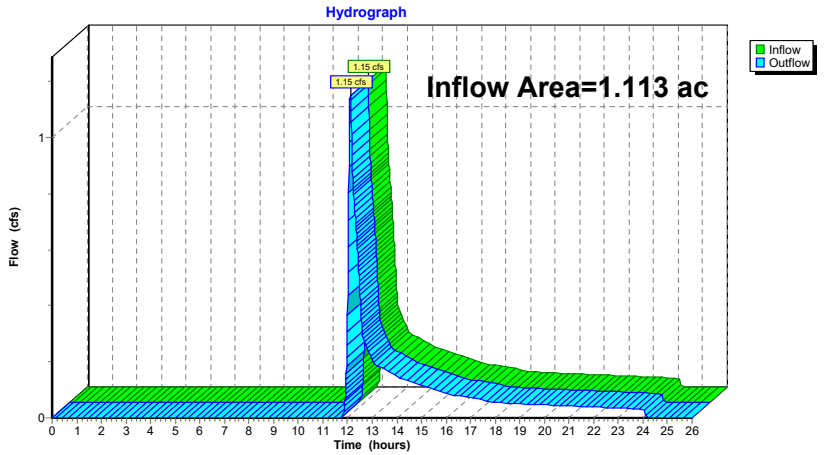


Summary for Reach 1R: Flow Towards Route 6 and Red Brook Rd

Inflow Area = 1.113 ac, 8.97% Impervious, Inflow Depth = 1.20" for 100-year event
Inflow = 1.15 cfs @ 12.11 hrs, Volume= 0.111 af
Outflow = 1.15 cfs @ 12.11 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 1R: Flow Towards Route 6 and Red Brook Rd

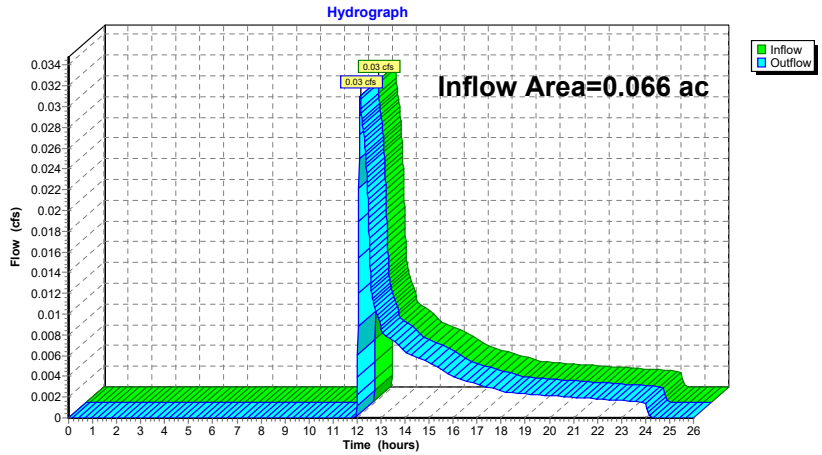


Summary for Reach 2R: Flow to East Perimeter

Inflow Area = 0.066 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.03 cfs @ 12.14 hrs, Volume= 0.004 af
Outflow = 0.03 cfs @ 12.14 hrs, Volume= 0.004 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 2R: Flow to East Perimeter

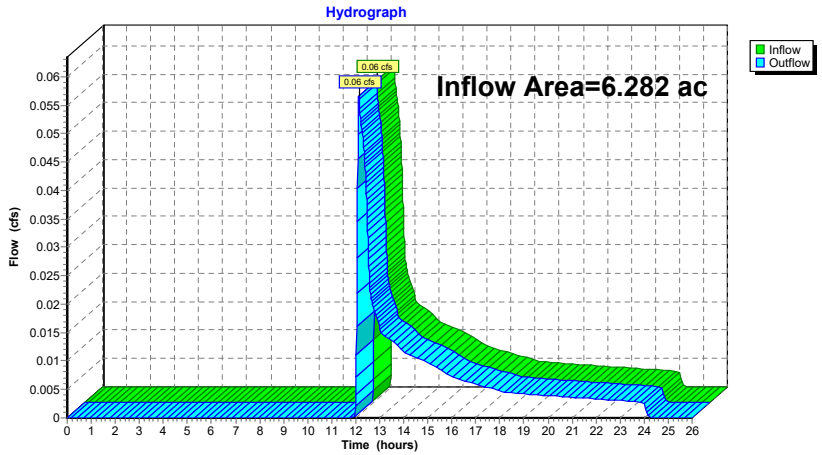


Summary for Reach 3R: Flow to North Perimeter

Inflow Area = 6.282 ac, 61.37% Impervious, Inflow Depth = 0.02" for 100-year event
Inflow = 0.06 cfs @ 12.14 hrs, Volume= 0.008 af
Outflow = 0.06 cfs @ 12.14 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.0 min
Routed to Reach TS : Total Site

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach 3R: Flow to North Perimeter



Summary for Reach 4R: WQ Swale

Inflow Area = 0.390 ac, 39.46% Impervious, Inflow Depth = 2.87" for 100-year event
Inflow = 1.29 cfs @ 12.09 hrs, Volume= 0.093 af
Outflow = 1.29 cfs @ 12.11 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.7 min
Routed to Pond 8P : Drywell 3-1

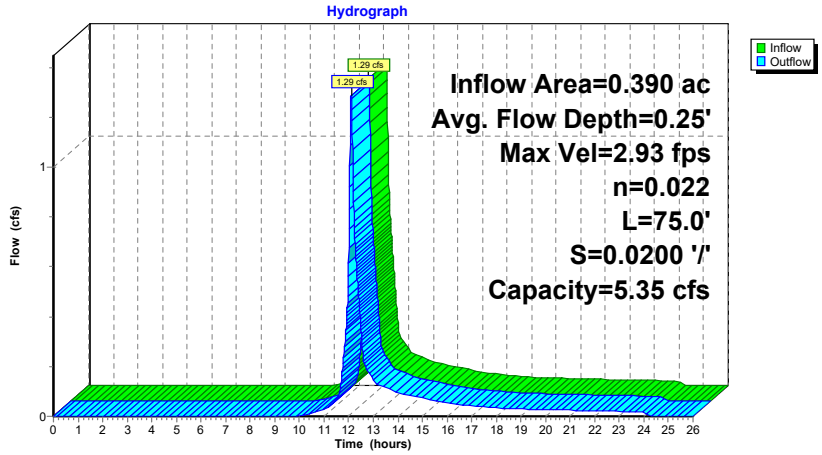
Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.93 fps, Min. Travel Time= 0.4 min
Avg. Velocity = 1.03 fps, Avg. Travel Time= 1.2 min

Peak Storage= 33 cf @ 12.10 hrs
Average Depth at Peak Storage= 0.25' , Surface Width= 2.50'
Bank-Full Depth= 0.50' Flow Area= 1.3 sf, Capacity= 5.35 cfs

1.00' x 0.50' deep channel, n= 0.022 Earth, clean & straight
Side Slope Z-value= 3.0 '/' Top Width= 4.00'
Length= 75.0' Slope= 0.0200 '/'
Inlet Invert= 77.91', Outlet Invert= 76.41'

‡

Reach 4R: WQ Swale

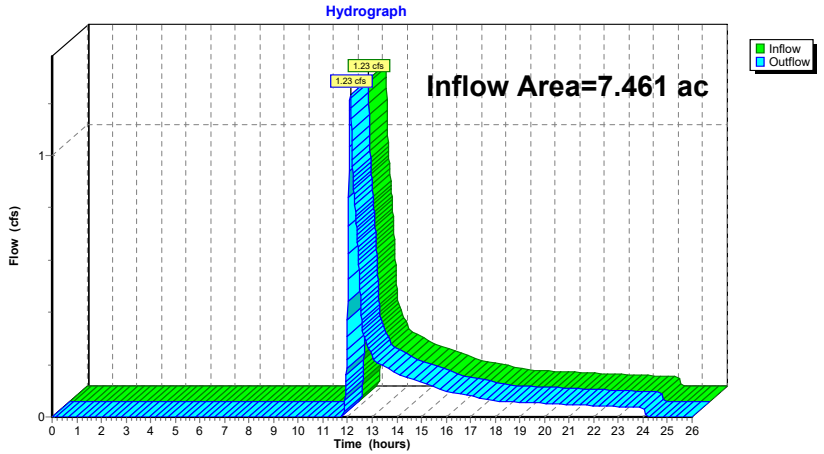


Summary for Reach TS: Total Site

Inflow Area = 7.461 ac, 53.01% Impervious, Inflow Depth = 0.20" for 100-year event
Inflow = 1.23 cfs @ 12.11 hrs, Volume= 0.124 af
Outflow = 1.23 cfs @ 12.11 hrs, Volume= 0.124 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs

Reach TS: Total Site



Summary for Pond 1P: MC-4500 Underground Infiltration System 1

Inflow Area = 6.007 ac, 64.18% Impervious, Inflow Depth = 2.87" for 100-year event
Inflow = 18.55 cfs @ 12.09 hrs, Volume= 1.436 af
Outflow = 2.77 cfs @ 12.64 hrs, Volume= 1.436 af, Atten= 85%, Lag= 32.8 min
Discarded = 2.77 cfs @ 12.64 hrs, Volume= 1.436 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 6P : Bio-Retention Area

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 67.97' @ 12.64 hrs Surf.Area= 5,779 sf Storage= 20,627 cf
Flood Elev= 69.75' Surf.Area= 5,779 sf Storage= 25,083 cf

Plug-Flow detention time= 52.9 min calculated for 1.436 af (100% of inflow)
Center-of-Mass det. time= 52.9 min (843.0 - 790.1)

Volume	Invert	Avail.Storage	Storage Description
#1A	63.00'	9,285 cf	**46.67'W x 123.84'L x 6.75'H Field A** 39,010 cf Overall - 15,798 cf Embedded = 23,212 cf x 40.0% Voids
#2A	63.75'	15,798 cf	**ADS_StormTech MC-4500 +Cap** x 145 Inside #1 Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap 145 Chambers in 5 Rows Cap Storage= 35.7 cf x 2 x 5 rows = 357.0 cf
		25,083 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	63.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	66.72'	**12.0" Round Culvert** L= 50.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 66.72' / 66.47' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	68.65'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Discarded OutFlow Max=2.77 cfs @ 12.64 hrs HW=67.97' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 2.77 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=63.00' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)
↑**3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 1P: MC-4500 Underground Infiltration System 1 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-4500 +Cap (ADS StormTech®MC-4500 with cap, use MC-4500 b for new designs)
Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf
Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap
Cap Storage= 35.7 cf x 2 x 5 rows = 357.0 cf

100.0" Wide + 9.0" Spacing = 109.0" C-C Row Spacing

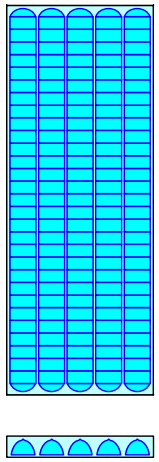
29 Chambers/Row x 4.02' Long +2.56' Cap Length x 2 = 121.84' Row Length +12.0" End Stone x 2 = 123.84' Base Length
5 Rows x 100.0" Wide + 9.0" Spacing x 4 + 12.0" Side Stone x 2 = 46.67' Base Width
9.0" Stone Base + 60.0" Chamber Height + 12.0" Stone Cover = 6.75' Field Height

145 Chambers x 106.5 cf + 35.7 cf Cap Volume x 2 x 5 Rows = 15,798.1 cf Chamber Storage

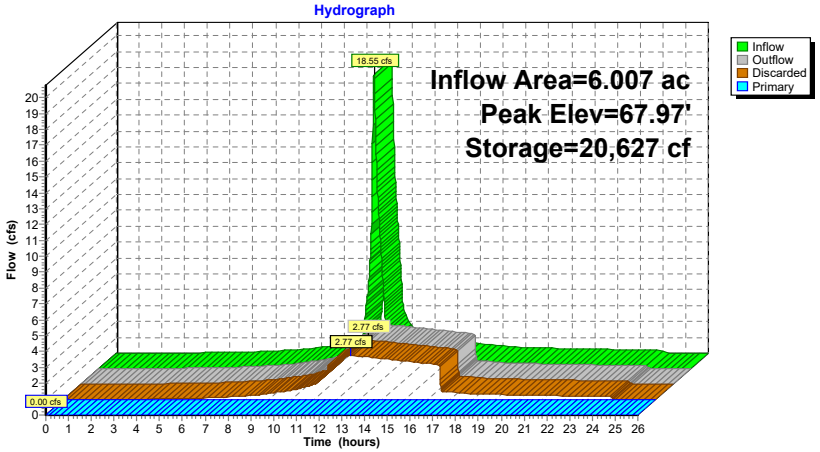
39,010.1 cf Field - 15,798.1 cf Chambers = 23,212.0 cf Stone x 40.0% Voids = 9,284.8 cf Stone Storage

Chamber Storage + Stone Storage = 25,082.9 cf = 0.576 af
Overall Storage Efficiency = 64.3%
Overall System Size = 123.84' x 46.67' x 6.75'

145 Chambers
1,444.8 cy Field
859.7 cy Stone



Pond 1P: MC-4500 Underground Infiltration System 1



Summary for Pond 2P: MC-3500 Underground Infiltration System 2

Inflow Area = 0.484 ac,100.00% Impervious, Inflow Depth = 6.86" for 100-year event
Inflow = 3.37 cfs @ 12.08 hrs, Volume= 0.277 af
Outflow = 0.71 cfs @ 12.49 hrs, Volume= 0.277 af, Atten= 79%, Lag= 24.6 min
Discarded = 0.70 cfs @ 12.49 hrs, Volume= 0.277 af
Primary = 0.02 cfs @ 12.49 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 71.60' @ 12.49 hrs Surf.Area= 1,207 sf Storage= 2,974 cf
Flood Elev= 73.50' Surf.Area= 1,207 sf Storage= 4,013 cf

Plug-Flow detention time= 24.9 min calculated for 0.277 af (100% of inflow)
Center-of-Mass det. time= 24.8 min (767.6 - 742.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	68.00'	1,751 cf	**15.58'W x 77.47'L x 5.50'H Field A** 6,640 cf Overall - 2,261 cf Embedded = 4,378 cf x 40.0% Voids
#2A	68.75'	2,261 cf	**ADS_StormTech MC-3500 c +Cap**x 20 Inside #1 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 20 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		4,013 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	68.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	71.51'	**6.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 71.51' / 71.41' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.70 cfs @ 12.49 hrs HW=71.60' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.70 cfs)

Primary OutFlow Max=0.02 cfs @ 12.49 hrs HW=71.60' (Free Discharge)
↑**2=Culvert** (Barrel Controls 0.02 cfs @ 1.00 fps)

Pond 2P: MC-3500 Underground Infiltration System 2 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

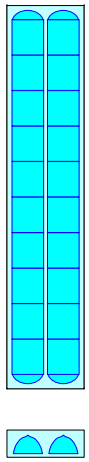
10 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 75.47' Row Length +12.0" End Stone x 2 = 77.47' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

20 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 2,261.4 cf Chamber Storage

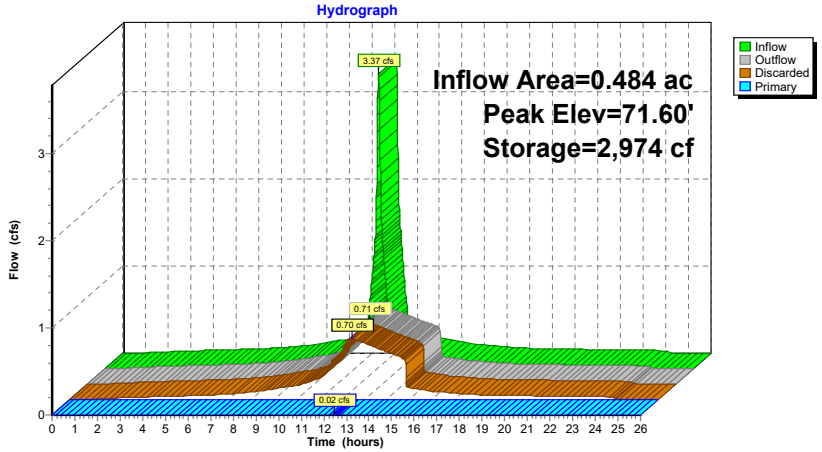
6,639.5 cf Field - 2,261.4 cf Chambers = 4,378.1 cf Stone x 40.0% Voids = 1,751.2 cf Stone Storage

Chamber Storage + Stone Storage = 4,012.7 cf = 0.092 af
Overall Storage Efficiency = 60.4%
Overall System Size = 77.47' x 15.58' x 5.50'

20 Chambers
245.9 cy Field
162.2 cy Stone



Pond 2P: MC-3500 Underground Infiltration System 2



Summary for Pond 3P: MC-4500 Underground Infiltration System 3

Inflow Area = 0.926 ac, 71.68% Impervious, Inflow Depth = 4.90" for 100-year event
Inflow = 5.25 cfs @ 12.09 hrs, Volume= 0.378 af
Outflow = 2.80 cfs @ 12.22 hrs, Volume= 0.378 af, Atten= 47%, Lag= 7.9 min
Discarded = 0.68 cfs @ 12.22 hrs, Volume= 0.323 af
Primary = 2.12 cfs @ 12.22 hrs, Volume= 0.055 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 67.72' @ 12.22 hrs Surf.Area= 1,175 sf Storage= 3,806 cf
Flood Elev= 69.75' Surf.Area= 1,175 sf Storage= 4,878 cf

Plug-Flow detention time= 33.3 min calculated for 0.378 af (100% of inflow)
Center-of-Mass det. time= 33.3 min (838.3 - 805.0)

Volume	Invert	Avail.Storage	Storage Description
#1A	63.00'	2,036 cf	**37.58'W x 31.27'L x 6.75'H Field A** 7,932 cf Overall - 2,841 cf Embedded = 5,091 cf x 40.0% Voids
#2A	63.75'	2,841 cf	**ADS_StormTech MC-4500 +Cap** x 24 Inside #1 Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap 24 Chambers in 4 Rows Cap Storage= 35.7 cf x 2 x 4 rows = 285.6 cf
		4,878 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	63.00'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	66.90'	**12.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 66.90' / 65.90' S= 0.0500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Discarded OutFlow Max=0.68 cfs @ 12.22 hrs HW=67.72' (Free Discharge)
↳**1=Exfiltration** (Exfiltration Controls 0.68 cfs)

Primary OutFlow Max=2.12 cfs @ 12.22 hrs HW=67.72' (Free Discharge)
↳**2=Culvert** (Inlet Controls 2.12 cfs @ 3.08 fps)

Pond 3P: MC-4500 Underground Infiltration System 3 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-4500 +Cap (ADS StormTech®MC-4500 with cap, use MC-4500 b for new designs)
Effective Size= 90.4"W x 60.0"H => 26.46 sf x 4.03'L = 106.5 cf
Overall Size= 100.0"W x 60.0"H x 4.33'L with 0.31' Overlap
Cap Storage= 35.7 cf x 2 x 4 rows = 285.6 cf

100.0" Wide + 9.0" Spacing = 109.0" C-C Row Spacing

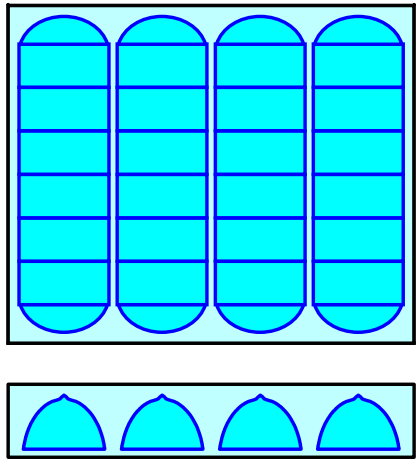
6 Chambers/Row x 4.02' Long +2.56' Cap Length x 2 = 29.27' Row Length +12.0" End Stone x 2 = 31.27' Base Length
4 Rows x 100.0" Wide + 9.0" Spacing x 3 + 12.0" Side Stone x 2 = 37.58' Base Width
9.0" Stone Base + 60.0" Chamber Height + 12.0" Stone Cover = 6.75' Field Height

24 Chambers x 106.5 cf + 35.7 cf Cap Volume x 2 x 4 Rows = 2,841.4 cf Chamber Storage

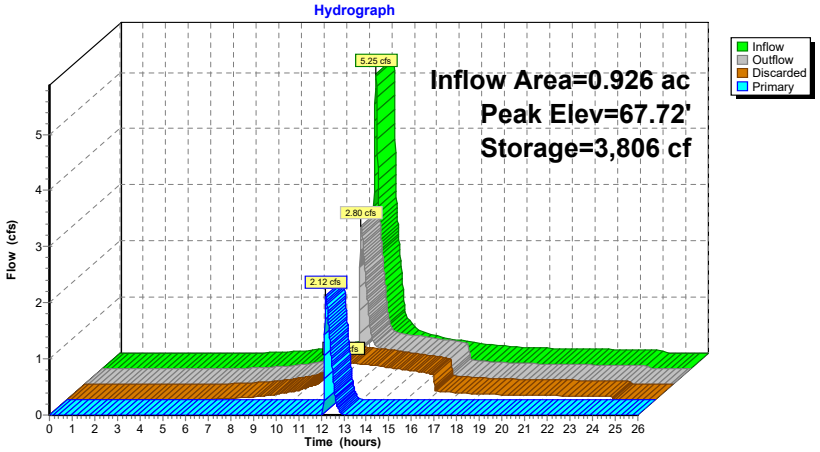
7,932.0 cf Field - 2,841.4 cf Chambers = 5,090.6 cf Stone x 40.0% Voids = 2,036.2 cf Stone Storage

Chamber Storage + Stone Storage = 4,877.6 cf = 0.112 af
Overall Storage Efficiency = 61.5%
Overall System Size = 31.27' x 37.58' x 6.75'

24 Chambers
293.8 cy Field
188.5 cy Stone



Pond 3P: MC-4500 Underground Infiltration System 3



Summary for Pond 4P: MC-3500 Underground Infiltration System 4

Inflow Area = 0.226 ac,100.00% Impervious, Inflow Depth = 6.86" for 100-year event
Inflow = 1.57 cfs @ 12.08 hrs, Volume= 0.129 af
Outflow = 0.44 cfs @ 12.42 hrs, Volume= 0.129 af, Atten= 72%, Lag= 20.0 min
Discarded = 0.34 cfs @ 12.42 hrs, Volume= 0.128 af
Primary = 0.10 cfs @ 12.42 hrs, Volume= 0.002 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 74.25' @ 12.42 hrs Surf.Area= 537 sf Storage= 1,333 cf
Flood Elev= 76.00' Surf.Area= 537 sf Storage= 1,746 cf

Plug-Flow detention time= 22.7 min calculated for 0.129 af (100% of inflow)
Center-of-Mass det. time= 22.7 min (765.5 - 742.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	70.50'	804 cf	**15.58'W x 34.45'L x 5.50'H Field A** 2,952 cf Overall - 942 cf Embedded = 2,010 cf x 40.0% Voids
#2A	71.25'	942 cf	**ADS_StormTech MC-3500 c +Cap** x 8 Inside #1 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 8 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		1,746 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	70.50'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	74.01'	**6.0" Round Culvert** L= 56.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 74.01' / 73.73' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.34 cfs @ 12.42 hrs HW=74.25' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.34 cfs)

Primary OutFlow Max=0.10 cfs @ 12.42 hrs HW=74.25' (Free Discharge)
↑**2=Culvert** (Barrel Controls 0.10 cfs @ 1.68 fps)

Pond 4P: MC-3500 Underground Infiltration System 4 - Chamber Wizard Field A

Chamber Model = ADS_StormTechMC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

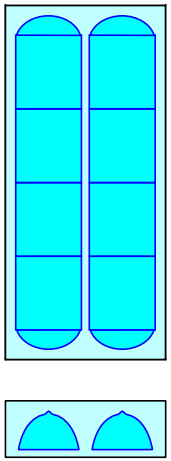
4 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 32.45' Row Length +12.0" End Stone x 2 = 34.45' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

8 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 942.0 cf Chamber Storage

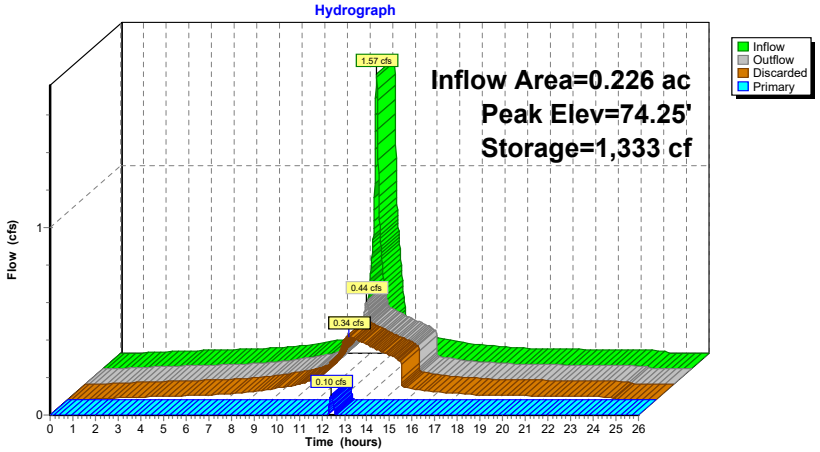
2,952.4 cf Field - 942.0 cf Chambers = 2,010.4 cf Stone x 40.0% Voids = 804.1 cf Stone Storage

Chamber Storage + Stone Storage = 1,746.2 cf = 0.040 af
Overall Storage Efficiency = 59.1%
Overall System Size = 34.45' x 15.58' x 5.50'

8 Chambers
109.3 cy Field
74.5 cy Stone



Pond 4P: MC-3500 Underground Infiltration System 4



Summary for Pond 5P: MC-3500 Underground Infiltration System 5

Inflow Area = 0.072 ac,100.00% Impervious, Inflow Depth = 6.86" for 100-year event
Inflow = 0.50 cfs @ 12.08 hrs, Volume= 0.041 af
Outflow = 0.16 cfs @ 12.38 hrs, Volume= 0.041 af, Atten= 68%, Lag= 17.6 min
Discarded = 0.16 cfs @ 12.38 hrs, Volume= 0.041 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 71.09' @ 12.38 hrs Surf.Area= 313 sf Storage= 293 cf
Flood Elev= 75.00' Surf.Area= 313 sf Storage= 991 cf

Plug-Flow detention time= 9.0 min calculated for 0.041 af (100% of inflow)
Center-of-Mass det. time= 9.0 min (751.7 - 742.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	69.50'	488 cf	**15.58'W x 20.11'L x 5.50'H Field A** 1,723 cf Overall - 502 cf Embedded = 1,221 cf x 40.0% Voids
#2A	70.25'	502 cf	**ADS_StormTech MC-3500 c +Cap** x 4 Inside #1 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 4 Chambers in 2 Rows Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf
		991 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	69.50'	**16.000 in/hr Exfiltration over Wetted area**
#2	Primary	73.01'	**6.0" Round Culvert** L= 110.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 73.01' / 72.46' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.16 cfs @ 12.38 hrs HW=71.09' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.16 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=69.50' (Free Discharge)
↑**2=Culvert** (Controls 0.00 cfs)

Pond 5P: MC-3500 Underground Infiltration System 5 - Chamber Wizard Field A

Chamber Model = ADS_StormTech MC-3500 c +Cap (ADS StormTech® MC-3500 c rev 05/12 with Cap storage)
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
Cap Storage= 15.6 cf x 2 x 2 rows = 62.4 cf

77.0" Wide + 9.0" Spacing = 86.0" C-C Row Spacing

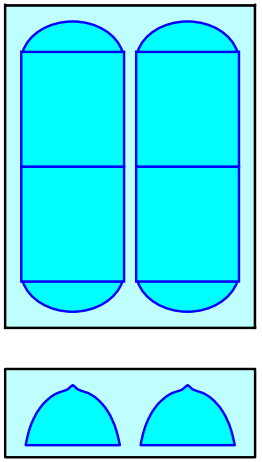
2 Chambers/Row x 7.17' Long +1.88' Cap Length x 2 = 18.11' Row Length +12.0" End Stone x 2 = 20.11' Base Length
2 Rows x 77.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 15.58' Base Width
9.0" Stone Base + 45.0" Chamber Height + 12.0" Stone Cover = 5.50' Field Height

4 Chambers x 110.0 cf + 15.6 cf Cap Volume x 2 x 2 Rows = 502.2 cf Chamber Storage

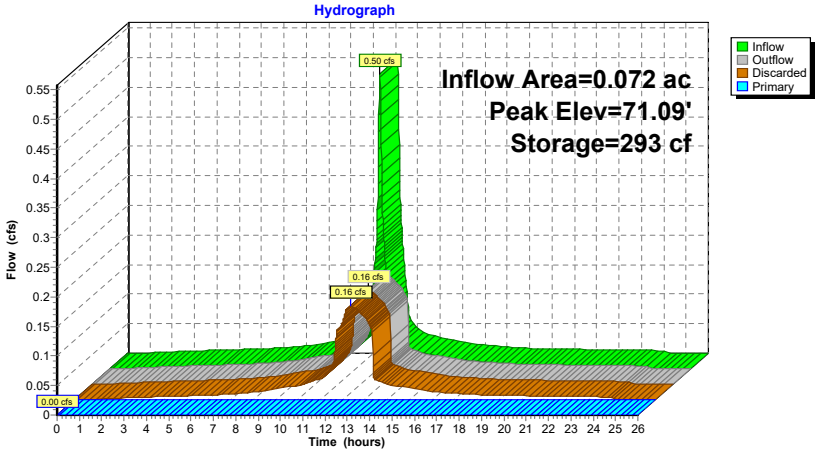
1,723.3 cf Field - 502.2 cf Chambers = 1,221.1 cf Stone x 40.0% Voids = 488.4 cf Stone Storage

Chamber Storage + Stone Storage = 990.6 cf = 0.023 af
Overall Storage Efficiency = 57.5%
Overall System Size = 20.11' x 15.58' x 5.50'

4 Chambers
63.8 cy Field
45.2 cy Stone



Pond 5P: MC-3500 Underground Infiltration System 5



Summary for Pond 6P: Bio-Retention Area

Inflow Area = 6.161 ac, 62.58% Impervious, Inflow Depth = 0.02" for 100-year event
Inflow = 0.07 cfs @ 12.14 hrs, Volume= 0.010 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach 3R : Flow to North Perimeter

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 66.26' @ 24.34 hrs Surf.Area= 728 sf Storage= 450 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

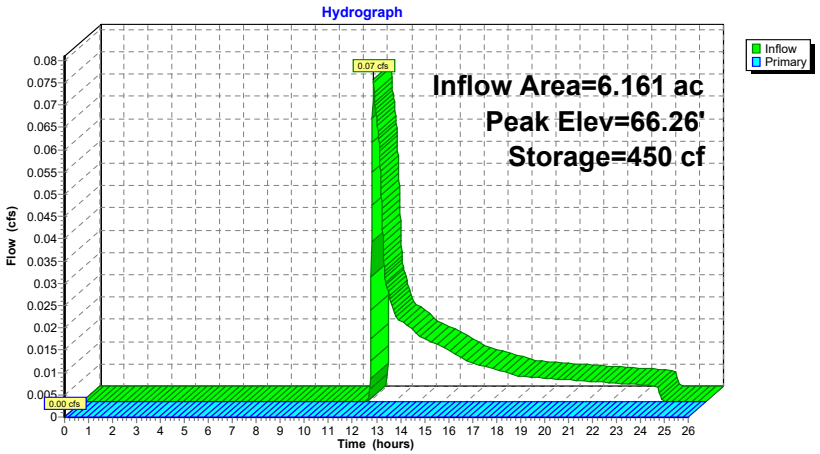
Volume	Invert	Avail.Storage	Storage Description
#1	65.50'	6,749 cf	**Ponding Area (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
65.50	470	101.0	0	0	470
66.00	628	110.0	274	274	630
67.00	1,053	148.0	831	1,105	1,421
68.00	1,583	183.0	1,309	2,414	2,357
69.00	2,160	202.0	1,864	4,278	2,971
70.00	2,795	220.0	2,471	6,749	3,611

Device	Routing	Invert	Outlet Devices
#1	Primary	67.00'	**20.0' long x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=65.50' (Free Discharge)
↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 6P: Bio-Retention Area



Summary for Pond 7P: Area Drain 2

Inflow Area = 1.783 ac, 17.20% Impervious, Inflow Depth = 1.21" for 100-year event
Inflow = 2.73 cfs @ 12.11 hrs, Volume= 0.179 af
Outflow = 2.73 cfs @ 12.11 hrs, Volume= 0.179 af, Atten= 0%, Lag= 0.0 min
Primary = 2.73 cfs @ 12.11 hrs, Volume= 0.179 af
Routed to Pond 1P : MC-4500 Underground Infiltration System 1

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 66.52' @ 12.11 hrs Surf.Area= 3 sf Storage= 3 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 0.0 min (870.1 - 870.0)

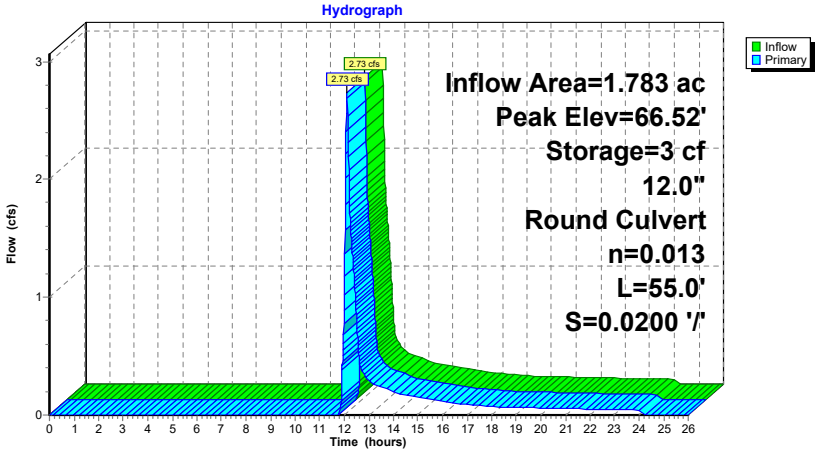
Volume	Invert	Avail.Storage	Storage Description
#1	65.50'	9 cf	**2.00'D x 3.00'H Area Drain 2**
#2	67.50'	4,615 cf	**Low Point (Irregular)**Listed below (Recalc)
		4,624 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
67.50	0	0.0	0	0	0
68.00	873	160.0	146	146	2,038
69.00	1,556	193.0	1,198	1,344	2,981
70.00	5,368	376.0	3,271	4,615	11,272

Device	Routing	Invert	Outlet Devices
#1	Primary	65.50'	**12.0" Round Culvert** L= 55.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 65.50' / 64.40' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 0.79 sf

Primary OutFlow Max=2.73 cfs @ 12.11 hrs HW=66.52' (Free Discharge)
1=Culvert (Inlet Controls 2.73 cfs @ 3.47 fps)

Pond 7P: Area Drain 2



Summary for Pond 8P: Drywell 3-1

Inflow Area = 0.390 ac, 39.46% Impervious, Inflow Depth = 2.87" for 100-year event
Inflow = 1.29 cfs @ 12.11 hrs, Volume= 0.093 af
Outflow = 1.23 cfs @ 12.11 hrs, Volume= 0.088 af, Atten= 4%, Lag= 0.0 min
Discarded = 0.10 cfs @ 11.91 hrs, Volume= 0.058 af
Primary = 1.13 cfs @ 12.11 hrs, Volume= 0.030 af
Routed to Pond 7P : Area Drain 2

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs / 6
Peak Elev= 77.68' @ 12.11 hrs Surf.Area= 275 sf Storage= 224 cf

Plug-Flow detention time= 60.4 min calculated for 0.088 af (94% of inflow)
Center-of-Mass det. time= 30.7 min (880.1 - 849.3)

Volume	Invert	Avail.Storage	Storage Description
#1	76.41'	137 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)
#2	72.50'	36 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 50 cf Embedded = 91 cf x 40.0% Voids
#3	73.50'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2
		224 cf	Total Available Storage

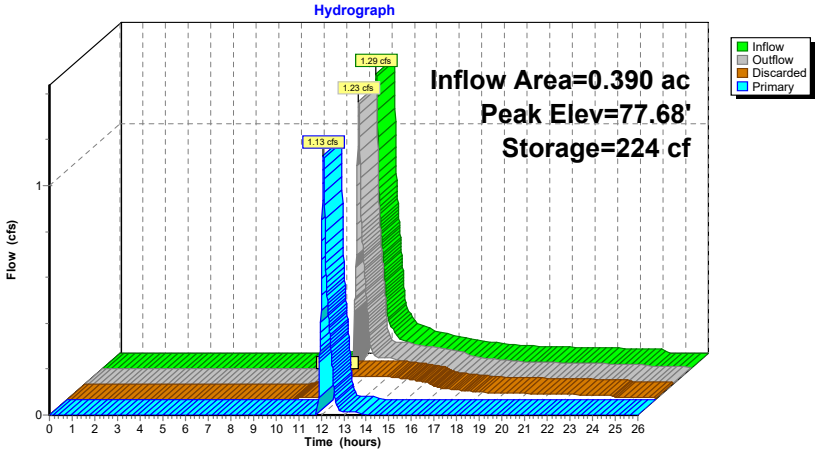
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
76.41	0	0.0	0	0	0
77.00	170	47.0	33	33	176
77.50	247	57.0	104	137	263

Device	Routing	Invert	Outlet Devices
#1	Discarded	72.50'	**16.000 in/hr Exfiltration over Surface area**
#2	Primary	77.49'	**5.0' long x 1.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32

Discarded OutFlow Max=0.10 cfs @ 11.91 hrs HW=77.55' (Free Discharge)
↑—**1=Exfiltration** (Exfiltration Controls 0.10 cfs)

Primary OutFlow Max=1.12 cfs @ 12.11 hrs HW=77.68' (Free Discharge)
↑—**2=Broad-Crested Rectangular Weir** (Weir Controls 1.12 cfs @ 1.18 fps)

Pond 8P: Drywell 3-1



Summary for Pond 9P: Drywell 3-2

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

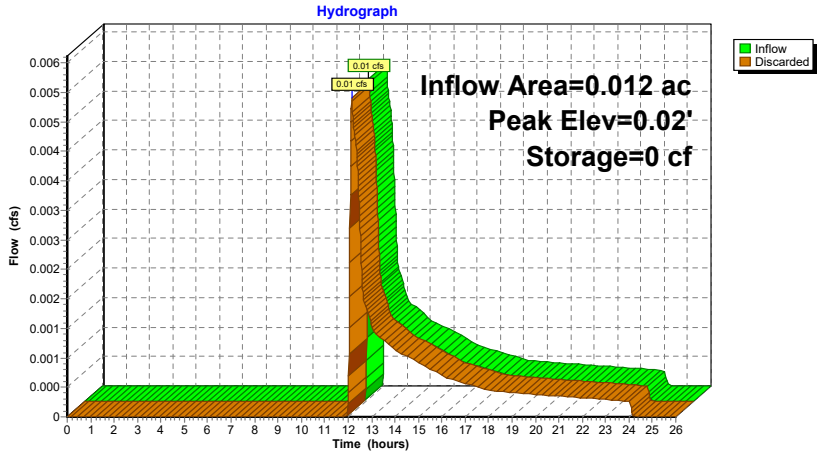
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 9P: Drywell 3-2



Summary for Pond 10P: Drywell 3-3

Inflow Area = 0.016 ac, 10.25% Impervious, Inflow Depth = 1.28" for 100-year event
Inflow = 0.02 cfs @ 12.11 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 12.05 hrs, Volume= 0.002 af, Atten= 44%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.05 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.43' @ 12.36 hrs Surf.Area= 28 sf Storage= 5 cf

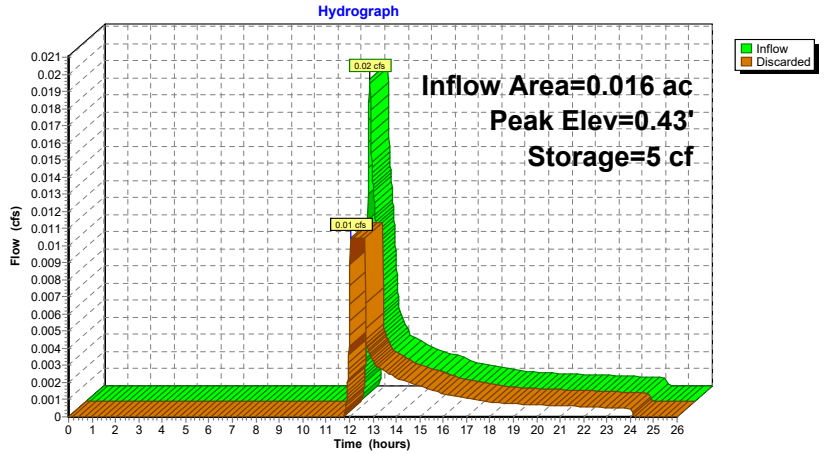
Plug-Flow detention time= 2.2 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 2.2 min (899.9 - 897.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.05 hrs HW=0.05' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 10P: Drywell 3-3



Summary for Pond 11P: Drywell 3-4

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

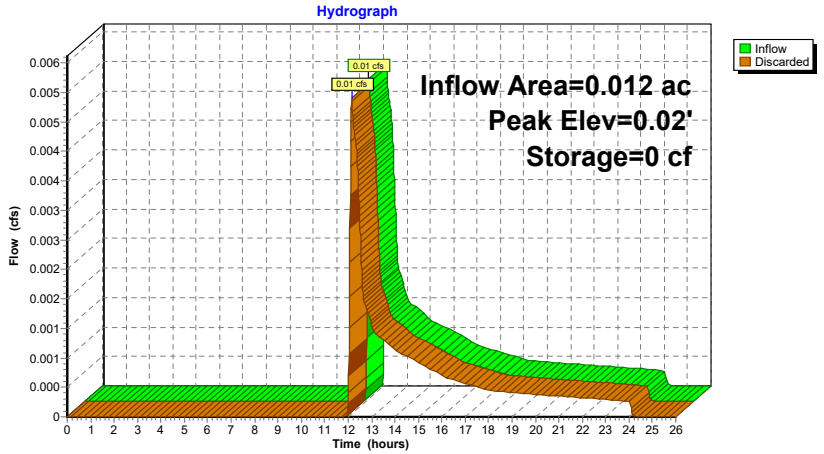
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 11P: Drywell 3-4



Summary for Pond 12P: Drywell 3-5

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

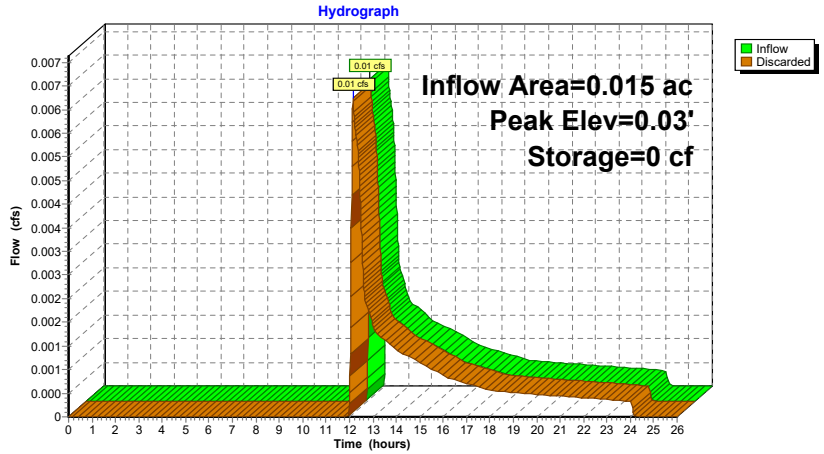
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 12P: Drywell 3-5



Summary for Pond 13P: Drywell 3-6

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

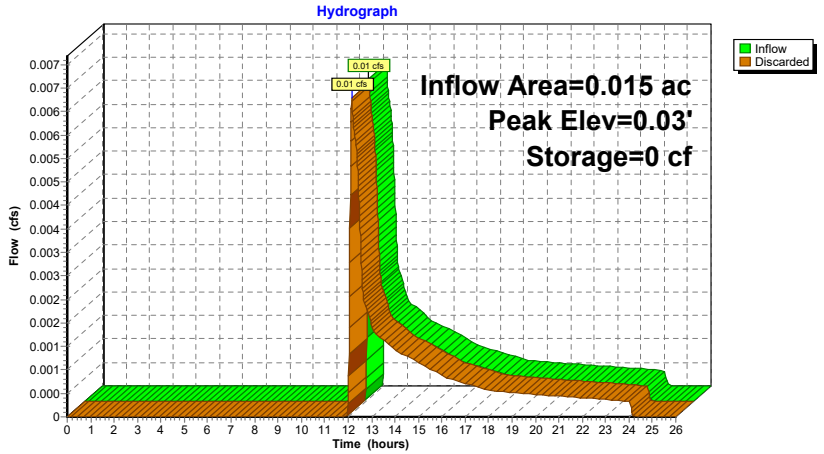
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 13P: Drywell 3-6



Summary for Pond 14P: Drywell 3-7

Inflow Area = 0.012 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

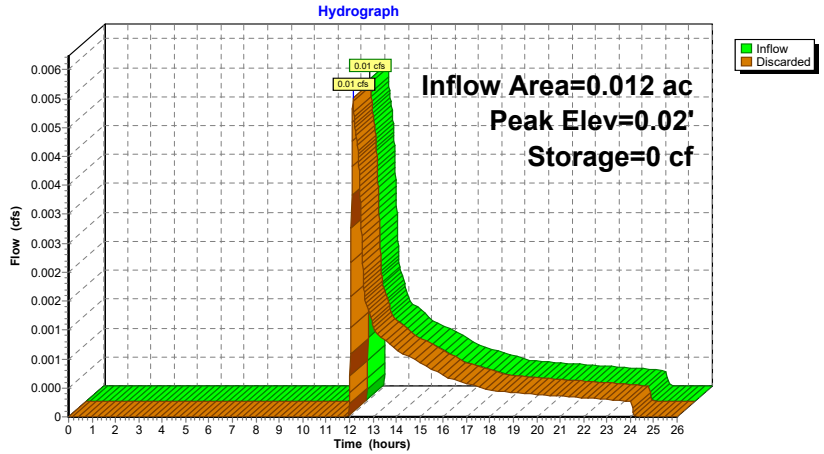
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 14P: Drywell 3-7



Summary for Pond 15P: Drywell 3-8

Inflow Area = 0.005 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.00 cfs @ 12.14 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 12.15 hrs, Volume= 0.000 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.00 cfs @ 12.15 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.01' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

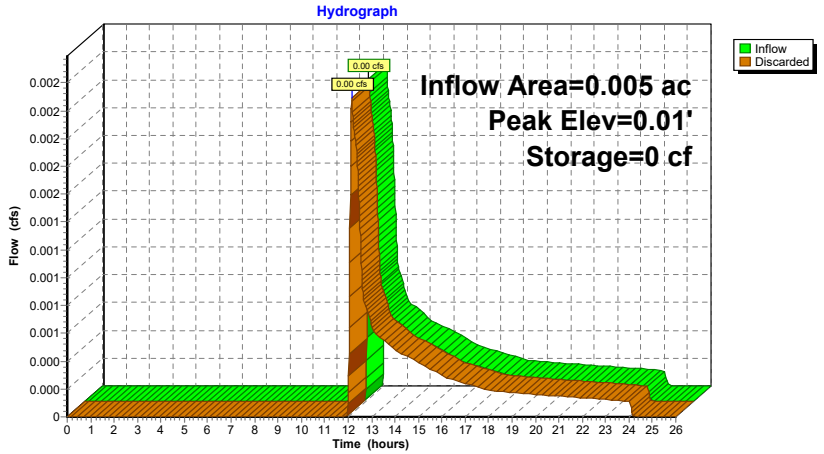
Plug-Flow detention time= 0.7 min calculated for 0.000 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.01' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 15P: Drywell 3-8



Summary for Pond 16P: Drywell 1-1

Inflow Area = 0.015 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

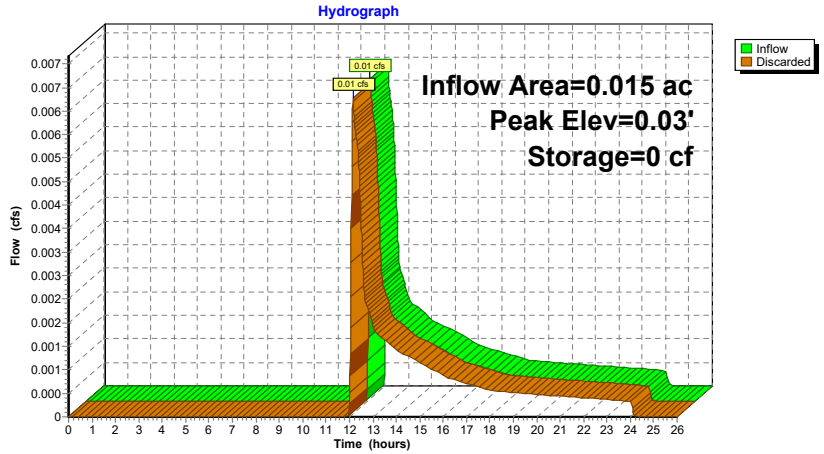
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 16P: Drywell 1-1



Summary for Pond 17P: Drywell 1-2

Inflow Area = 0.014 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

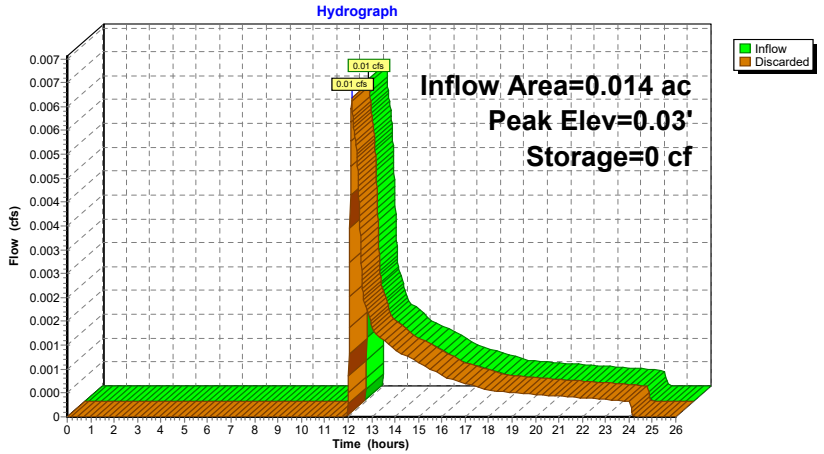
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 17P: Drywell 1-2



Summary for Pond 18P: Drywell 1-3

Inflow Area = 0.009 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.00 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.00 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

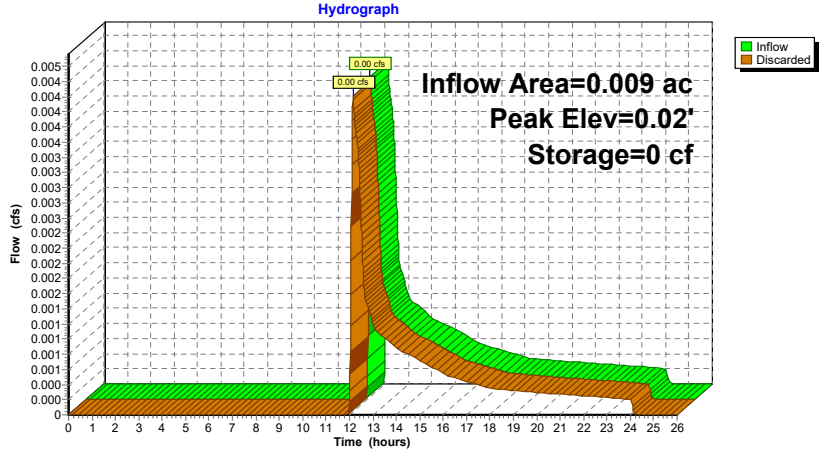
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 18P: Drywell 1-3



Summary for Pond 19P: Drywell 1-4

Inflow Area = 0.040 ac, 8.54% Impervious, Inflow Depth = 1.04" for 100-year event
Inflow = 0.03 cfs @ 12.12 hrs, Volume= 0.003 af
Outflow = 0.01 cfs @ 12.03 hrs, Volume= 0.003 af, Atten= 67%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.03 hrs, Volume= 0.003 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 1.61' @ 12.57 hrs Surf.Area= 28 sf Storage= 21 cf

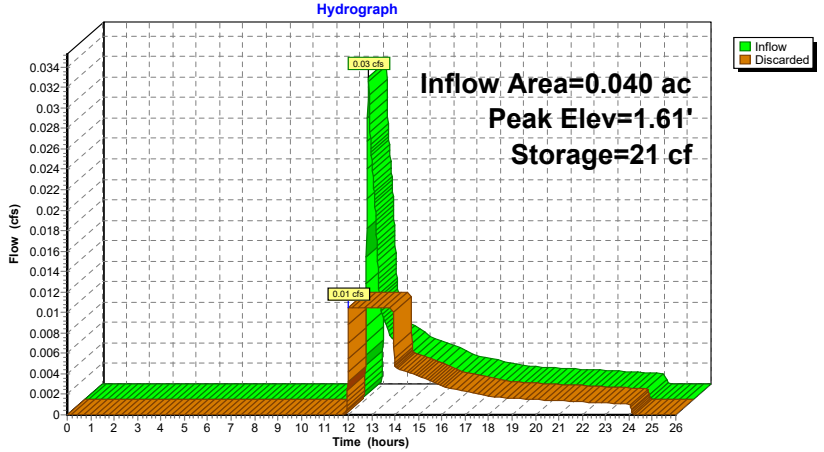
Plug-Flow detention time= 10.3 min calculated for 0.003 af (100% of inflow)
Center-of-Mass det. time= 10.3 min (921.7 - 911.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.03 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 19P: Drywell 1-4



Summary for Pond 20P: Drywell 1-5

Inflow Area = 0.034 ac, 8.31% Impervious, Inflow Depth = 0.96" for 100-year event
Inflow = 0.02 cfs @ 12.12 hrs, Volume= 0.003 af
Outflow = 0.01 cfs @ 12.05 hrs, Volume= 0.003 af, Atten= 55%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.05 hrs, Volume= 0.003 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 1.04' @ 12.52 hrs Surf.Area= 28 sf Storage= 12 cf

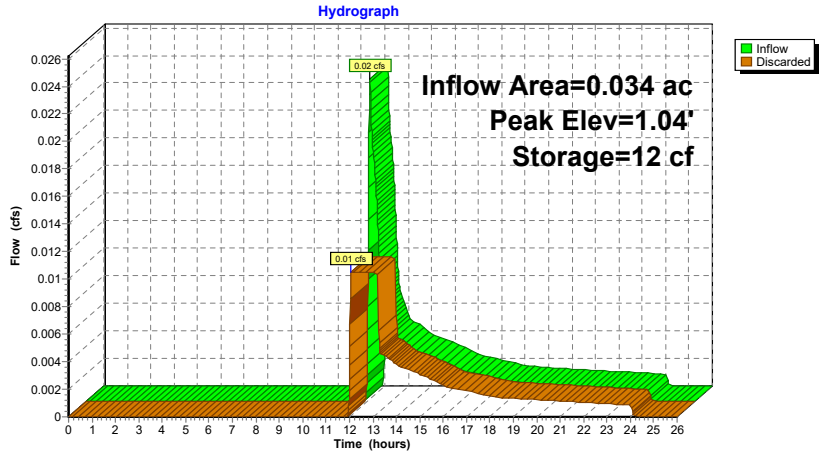
Plug-Flow detention time= 4.8 min calculated for 0.003 af (100% of inflow)
Center-of-Mass det. time= 4.8 min (921.5 - 916.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.05 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 20P: Drywell 1-5



Summary for Pond 21P: Drywell 1-6

Inflow Area = 0.084 ac, 6.07% Impervious, Inflow Depth = 0.96" for 100-year event
Inflow = 0.06 cfs @ 12.12 hrs, Volume= 0.007 af
Outflow = 0.01 cfs @ 12.02 hrs, Volume= 0.007 af, Atten= 82%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.02 hrs, Volume= 0.007 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 4.41' @ 13.63 hrs Surf.Area= 28 sf Storage= 68 cf

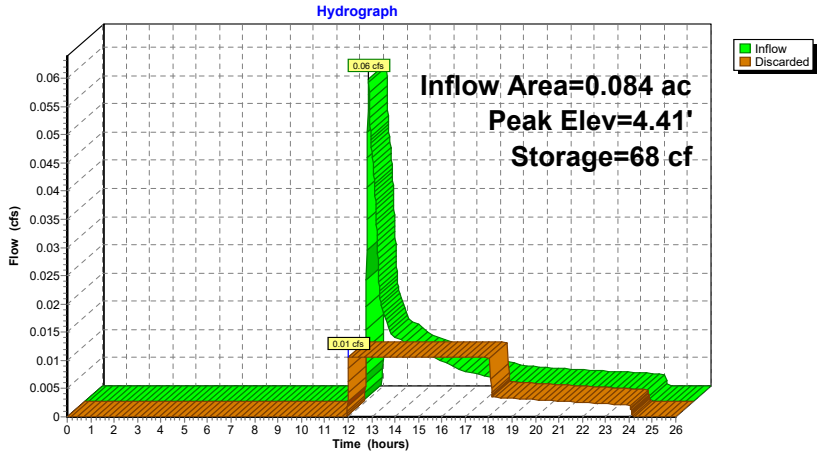
Plug-Flow detention time= 58.0 min calculated for 0.007 af (100% of inflow)
Center-of-Mass det. time= 57.9 min (974.6 - 916.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2 73 cf Overall - 5.0" Wall Thickness = 50 cf
#2	0.00'	27 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 73 cf Embedded = 68 cf x 40.0% Voids
		77 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.02 hrs HW=0.06' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 21P: Drywell 1-6



Summary for Pond 22P: Drywell 1-7

Inflow Area = 0.090 ac, 1.87% Impervious, Inflow Depth = 0.88" for 100-year event
Inflow = 0.05 cfs @ 12.13 hrs, Volume= 0.007 af
Outflow = 0.01 cfs @ 12.04 hrs, Volume= 0.007 af, Atten= 80%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.04 hrs, Volume= 0.007 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 4.06' @ 13.63 hrs Surf.Area= 28 sf Storage= 62 cf

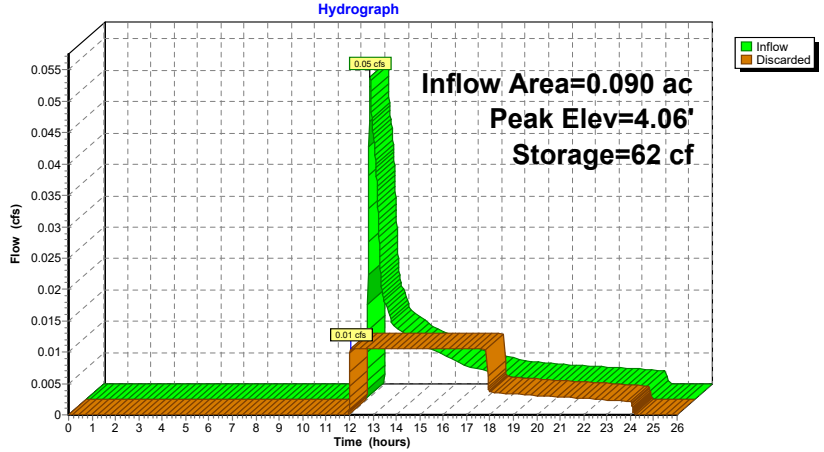
Plug-Flow detention time= 52.2 min calculated for 0.007 af (100% of inflow)
Center-of-Mass det. time= 52.2 min (974.6 - 922.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	50 cf	**4.00'D x 4.00'H Dry Well** Inside #2 73 cf Overall - 5.0" Wall Thickness = 50 cf
#2	0.00'	27 cf	**6.00'D x 5.00'H Crushed Stone** 141 cf Overall - 73 cf Embedded = 68 cf x 40.0% Voids
		77 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.04 hrs HW=0.07' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 22P: Drywell 1-7



Summary for Pond 23P: Drywell 1-8

Inflow Area = 0.012 ac, 14.23% Impervious, Inflow Depth = 1.46" for 100-year event
Inflow = 0.02 cfs @ 12.11 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.05 hrs, Volume= 0.001 af, Atten= 36%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.05 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.25' @ 12.25 hrs Surf.Area= 28 sf Storage= 3 cf

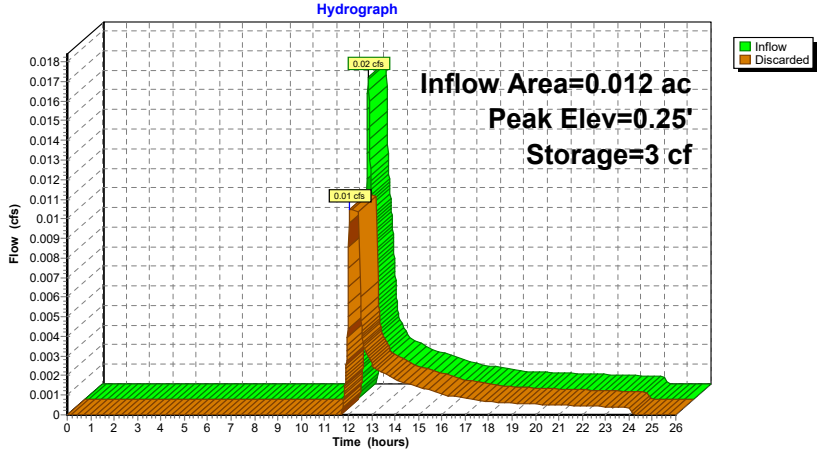
Plug-Flow detention time= 1.4 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 1.4 min (891.3 - 889.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.05 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 23P: Drywell 1-8



Summary for Pond 24P: Drywell 1-9

Inflow Area = 0.089 ac, 10.33% Impervious, Inflow Depth = 1.04" for 100-year event
Inflow = 0.07 cfs @ 12.12 hrs, Volume= 0.008 af
Outflow = 0.01 cfs @ 12.02 hrs, Volume= 0.008 af, Atten= 80%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.02 hrs, Volume= 0.008 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 3.32' @ 13.03 hrs Surf.Area= 38 sf Storage= 72 cf

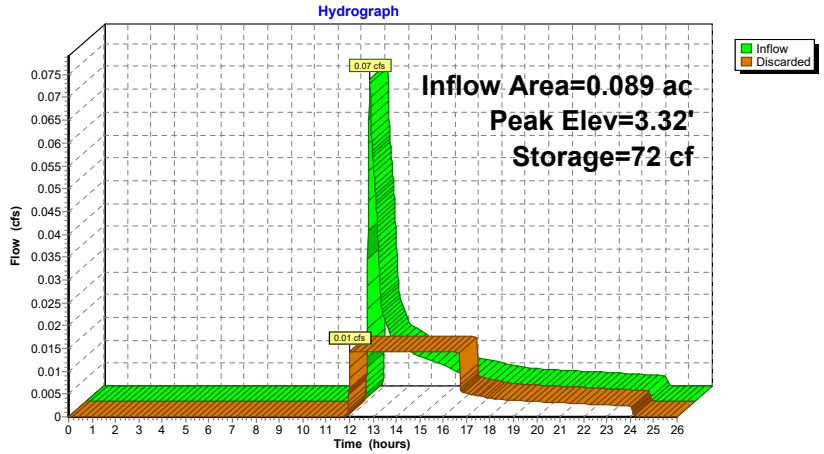
Plug-Flow detention time= 40.1 min calculated for 0.008 af (100% of inflow)
Center-of-Mass det. time= 40.1 min (951.5 - 911.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	98 cf	**5.00'D x 5.00'H Dry Well** Inside #2 134 cf Overall - 5.0" Wall Thickness = 98 cf
#2	0.00'	39 cf	**7.00'D x 6.00'H Crushed Stone** 231 cf Overall - 134 cf Embedded = 97 cf x 40.0% Voids
		137 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.02 hrs HW=0.08' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 24P: Drywell 1-9



Summary for Pond 25P: Drywell 1-10

Inflow Area = 0.044 ac, 12.45% Impervious, Inflow Depth = 1.12" for 100-year event
Inflow = 0.04 cfs @ 12.12 hrs, Volume= 0.004 af
Outflow = 0.01 cfs @ 12.01 hrs, Volume= 0.004 af, Atten= 74%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.01 hrs, Volume= 0.004 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 2.24' @ 12.64 hrs Surf.Area= 28 sf Storage= 32 cf

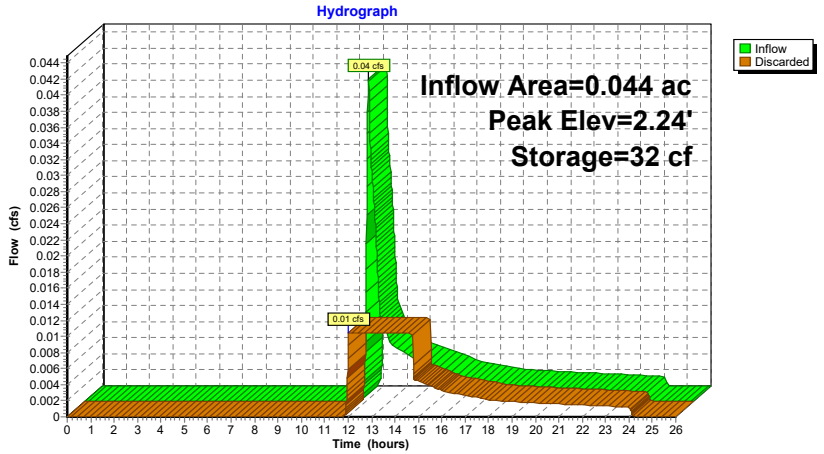
Plug-Flow detention time= 18.4 min calculated for 0.004 af (100% of inflow)
Center-of-Mass det. time= 18.4 min (924.9 - 906.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.01 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 25P: Drywell 1-10



Summary for Pond 26P: Drywell 1-11

Inflow Area = 0.029 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 12.10 hrs, Volume= 0.002 af, Atten= 23%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.10 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.20' @ 12.39 hrs Surf.Area= 28 sf Storage= 2 cf

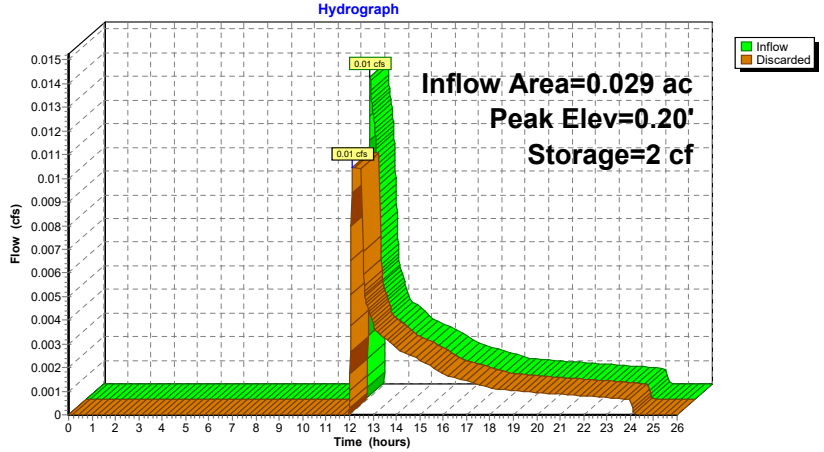
Plug-Flow detention time= 1.1 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 1.1 min (929.7 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.10 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 26P: Drywell 1-11



Summary for Pond 27P: Drywell 1-12

Inflow Area = 0.031 ac, 9.45% Impervious, Inflow Depth = 1.04" for 100-year event
Inflow = 0.02 cfs @ 12.12 hrs, Volume= 0.003 af
Outflow = 0.01 cfs @ 12.04 hrs, Volume= 0.003 af, Atten= 57%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.04 hrs, Volume= 0.003 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 1.07' @ 12.51 hrs Surf.Area= 28 sf Storage= 13 cf

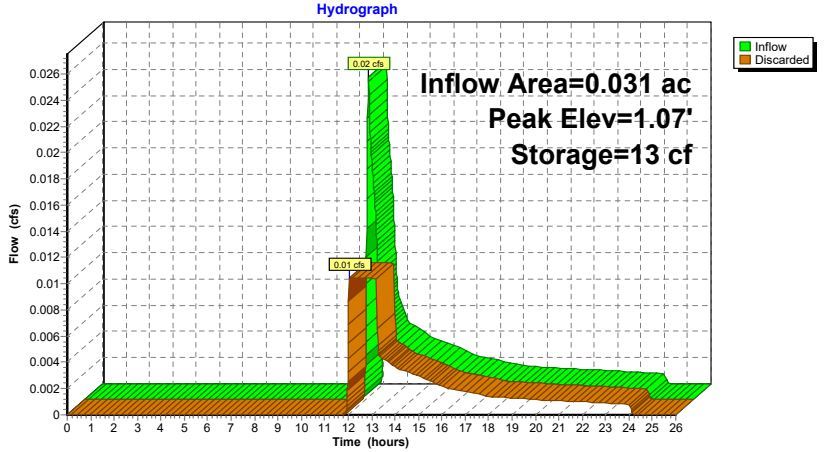
Plug-Flow detention time= 5.2 min calculated for 0.003 af (100% of inflow)
Center-of-Mass det. time= 5.2 min (916.6 - 911.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.04 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 27P: Drywell 1-12



Summary for Pond 28P: Drywell 1-13

Inflow Area = 0.017 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

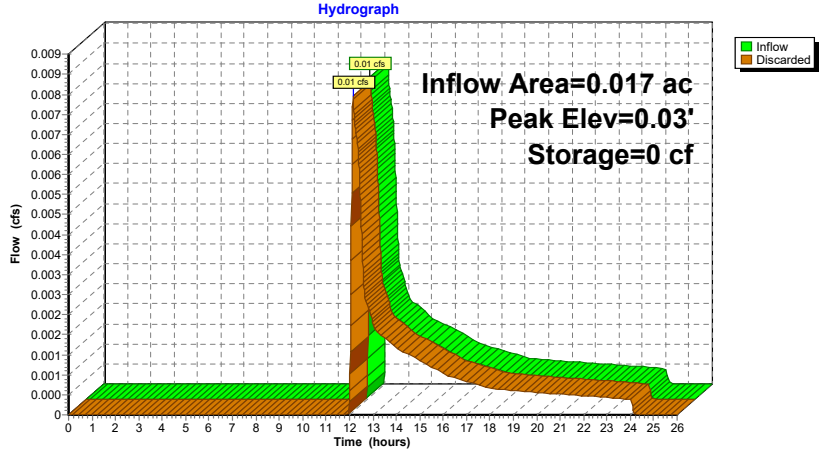
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 28P: Drywell 1-13



Summary for Pond 29P: Drywell 1-14

Inflow Area = 0.016 ac, 48.51% Impervious, Inflow Depth = 3.49" for 100-year event
Inflow = 0.07 cfs @ 12.09 hrs, Volume= 0.005 af
Outflow = 0.01 cfs @ 11.73 hrs, Volume= 0.005 af, Atten= 84%, Lag= 0.0 min
Discarded = 0.01 cfs @ 11.73 hrs, Volume= 0.005 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 3.91' @ 12.61 hrs Surf.Area= 28 sf Storage= 59 cf

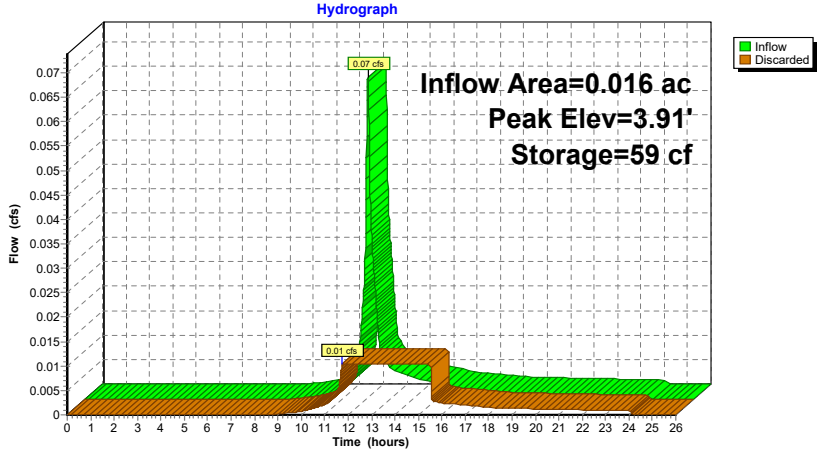
Plug-Flow detention time= 38.3 min calculated for 0.005 af (100% of inflow)
Center-of-Mass det. time= 38.3 min (872.9 - 834.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 11.73 hrs HW=0.04' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 29P: Drywell 1-14



Summary for Pond 30P: Drywell 1-15

Inflow Area = 0.014 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

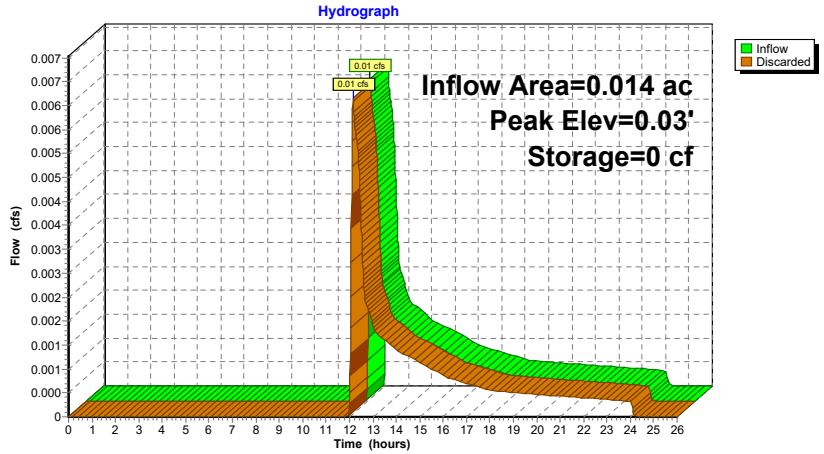
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 30P: Drywell 1-15



Summary for Pond 31P: Drywell 1-16

Inflow Area = 0.130 ac, 2.28% Impervious, Inflow Depth = 0.88" for 100-year event
Inflow = 0.07 cfs @ 12.13 hrs, Volume= 0.010 af
Outflow = 0.01 cfs @ 12.03 hrs, Volume= 0.010 af, Atten= 81%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.03 hrs, Volume= 0.010 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 4.28' @ 13.84 hrs Surf.Area= 38 sf Storage= 95 cf

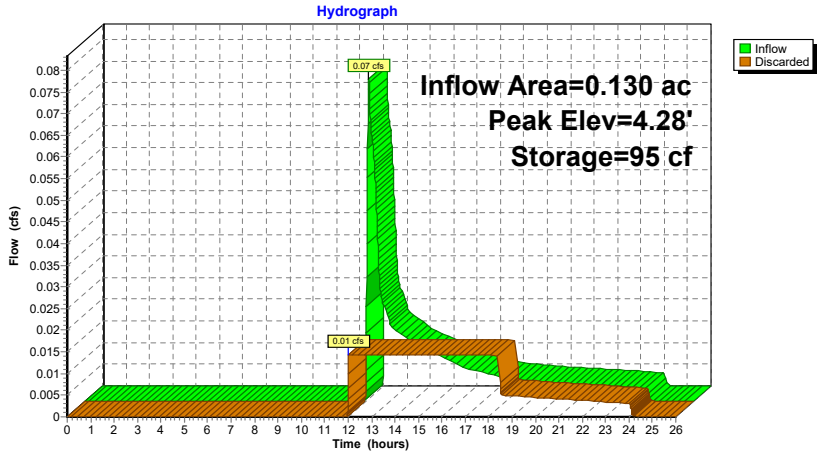
Plug-Flow detention time= 61.3 min calculated for 0.010 af (100% of inflow)
Center-of-Mass det. time= 61.2 min (983.6 - 922.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	79 cf	**5.00'D x 4.00'H Dry Well** Inside #2 107 cf Overall - 5.0" Wall Thickness = 79 cf
#2	0.00'	34 cf	**7.00'D x 5.00'H Crushed Stone** 192 cf Overall - 107 cf Embedded = 86 cf x 40.0% Voids
		113 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.03 hrs HW=0.05' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 31P: Drywell 1-16



Summary for Pond 32P: Drywell 2-1

Inflow Area = 0.008 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.00 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.00 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

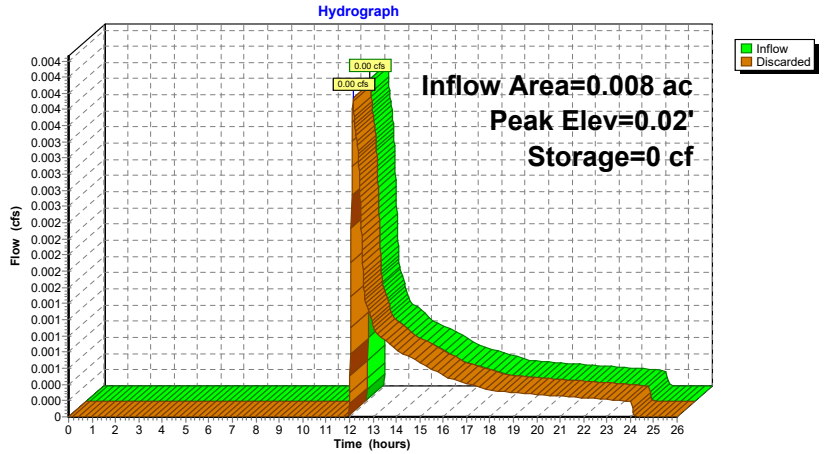
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.01 cfs)

Pond 32P: Drywell 2-1



Summary for Pond 33P: Drywell 2-2

Inflow Area = 0.013 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

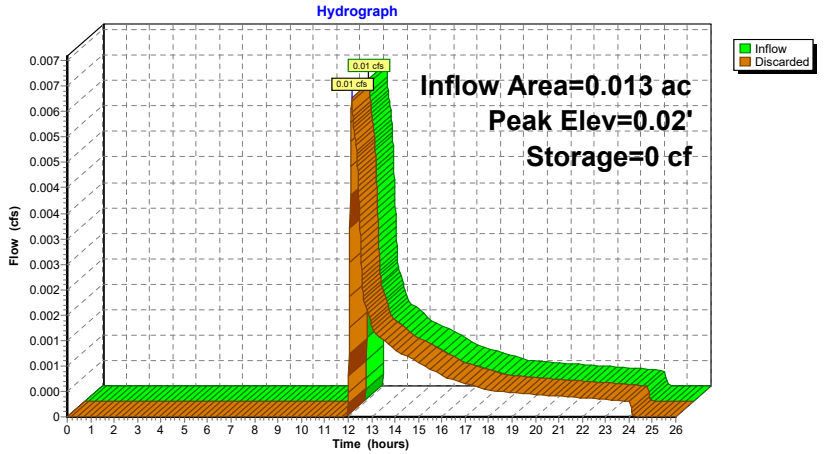
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.01 cfs)

Pond 33P: Drywell 2-2



Summary for Pond 34P: Drywell 2-4

Inflow Area = 0.019 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.03' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

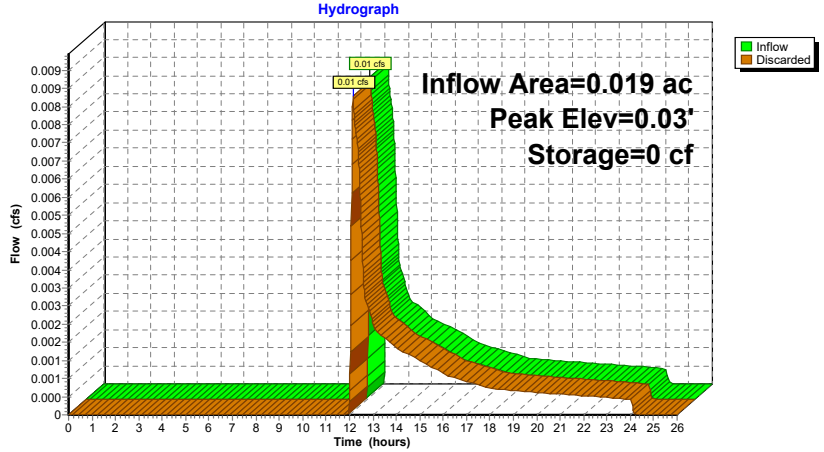
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.03' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 34P: Drywell 2-4



Summary for Pond 35P: Drywell 2-3

Inflow Area = 0.013 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.01 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

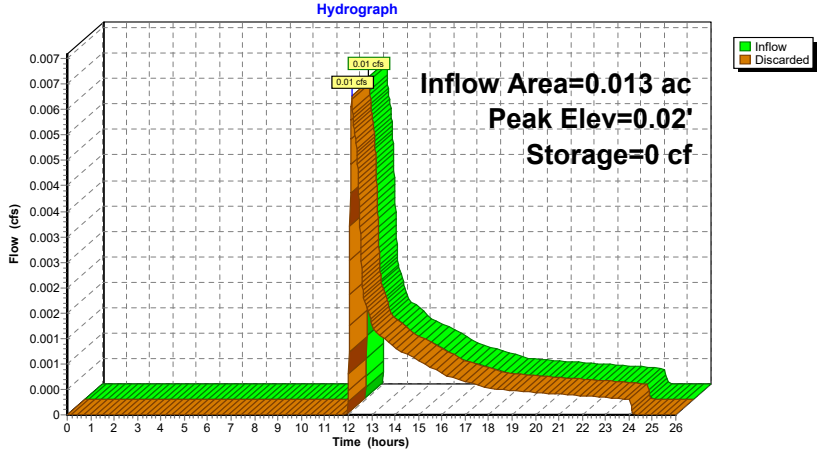
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 35P: Drywell 2-3



Summary for Pond 36P: Drywell 2-5

Inflow Area = 0.059 ac, 24.83% Impervious, Inflow Depth = 1.54" for 100-year event
Inflow = 0.09 cfs @ 12.10 hrs, Volume= 0.008 af
Outflow = 0.01 cfs @ 11.91 hrs, Volume= 0.008 af, Atten= 84%, Lag= 0.0 min
Discarded = 0.01 cfs @ 11.91 hrs, Volume= 0.008 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 3.98' @ 12.96 hrs Surf.Area= 38 sf Storage= 88 cf

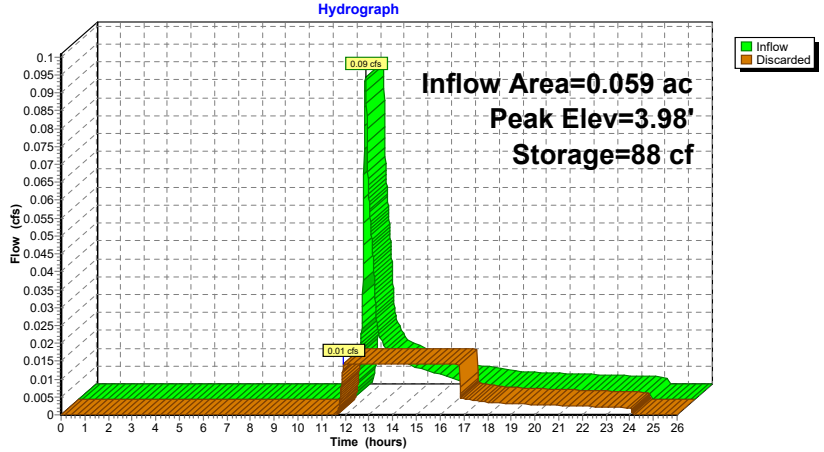
Plug-Flow detention time= 49.5 min calculated for 0.008 af (100% of inflow)
Center-of-Mass det. time= 49.4 min (935.7 - 886.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	59 cf	**5.00'D x 3.00'H Dry Well** Inside #2 80 cf Overall - 5.0" Wall Thickness = 59 cf
#2	0.00'	30 cf	**7.00'D x 4.00'H Crushed Stone** 154 cf Overall - 80 cf Embedded = 74 cf x 40.0% Voids
		88 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 11.91 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 36P: Drywell 2-5



Summary for Pond 37P: Drywell 2-6

Inflow Area = 0.030 ac, 5.64% Impervious, Inflow Depth = 1.04" for 100-year event
Inflow = 0.02 cfs @ 12.12 hrs, Volume= 0.003 af
Outflow = 0.01 cfs @ 12.05 hrs, Volume= 0.003 af, Atten= 56%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.05 hrs, Volume= 0.003 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 1.01' @ 12.50 hrs Surf.Area= 28 sf Storage= 11 cf

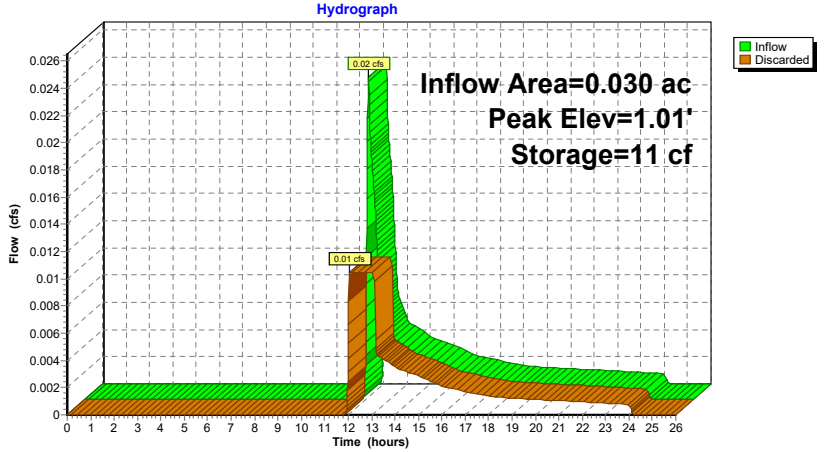
Plug-Flow detention time= 4.7 min calculated for 0.003 af (100% of inflow)
Center-of-Mass det. time= 4.7 min (916.1 - 911.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.05 hrs HW=0.05' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 37P: Drywell 2-6



Summary for Pond 38P: Drywell 2-7

Inflow Area = 0.010 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.00 cfs @ 12.14 hrs, Volume= 0.001 af
Outflow = 0.00 cfs @ 12.15 hrs, Volume= 0.001 af, Atten= 1%, Lag= 0.8 min
Discarded = 0.00 cfs @ 12.15 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.02' @ 12.15 hrs Surf.Area= 28 sf Storage= 0 cf

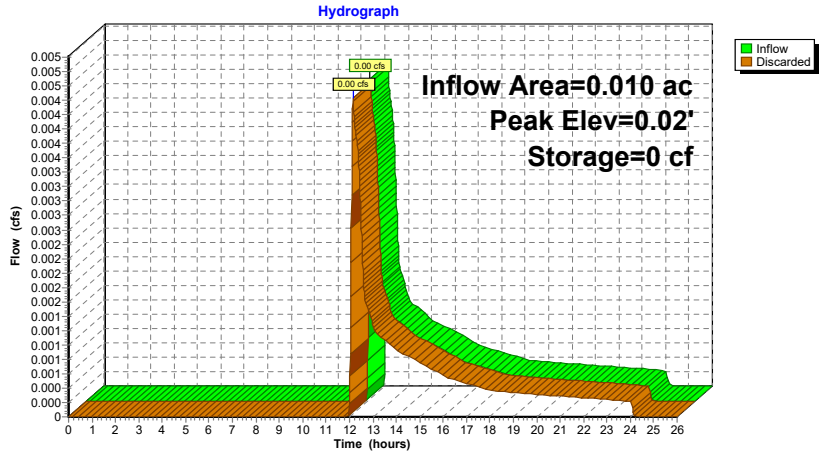
Plug-Flow detention time= 0.7 min calculated for 0.001 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (929.3 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.15 hrs HW=0.02' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 38P: Drywell 2-7



Summary for Pond 39P: Drywell 2-12

Inflow Area = 0.027 ac, 0.00% Impervious, Inflow Depth = 0.80" for 100-year event
Inflow = 0.01 cfs @ 12.14 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 12.11 hrs, Volume= 0.002 af, Atten= 17%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.11 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 0.12' @ 12.34 hrs Surf.Area= 28 sf Storage= 1 cf

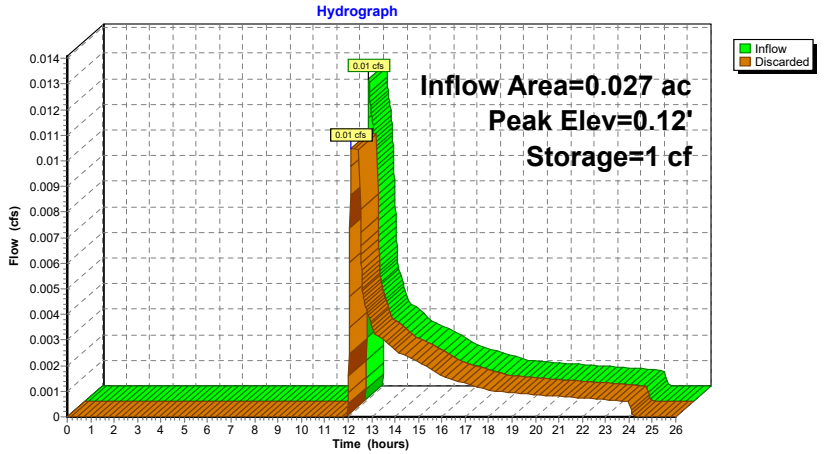
Plug-Flow detention time= 0.9 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 0.9 min (929.5 - 928.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.11 hrs HW=0.04' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 39P: Drywell 2-12



Summary for Pond 40P: Drywell 2-11

Inflow Area = 0.019 ac, 22.48% Impervious, Inflow Depth = 1.54" for 100-year event
Inflow = 0.03 cfs @ 12.10 hrs, Volume= 0.002 af
Outflow = 0.01 cfs @ 12.00 hrs, Volume= 0.002 af, Atten= 64%, Lag= 0.0 min
Discarded = 0.01 cfs @ 12.00 hrs, Volume= 0.002 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 1.19' @ 12.48 hrs Surf.Area= 28 sf Storage= 14 cf

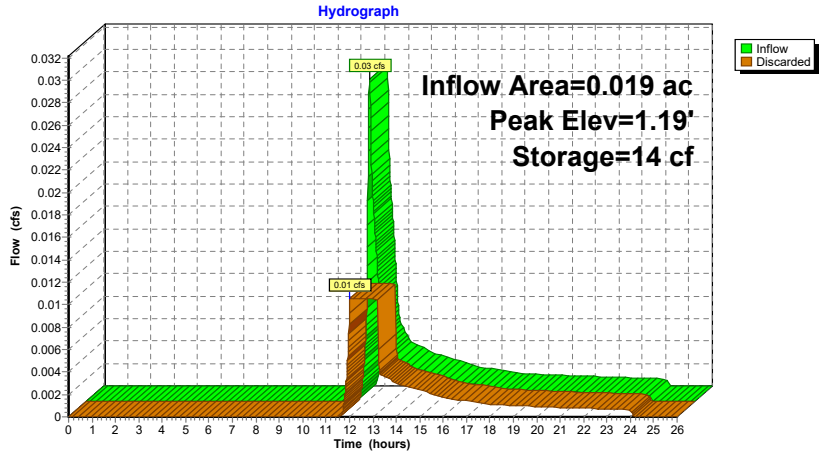
Plug-Flow detention time= 6.6 min calculated for 0.002 af (100% of inflow)
Center-of-Mass det. time= 6.6 min (892.9 - 886.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	38 cf	**4.00'D x 3.00'H Dry Well** Inside #2 55 cf Overall - 5.0" Wall Thickness = 38 cf
#2	0.00'	23 cf	**6.00'D x 4.00'H Crushed Stone** 113 cf Overall - 55 cf Embedded = 58 cf x 40.0% Voids
		61 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 12.00 hrs HW=0.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Pond 40P: Drywell 2-11



Summary for Pond 41P: Drywell 2-10

Inflow Area = 0.132 ac, 8.44% Impervious, Inflow Depth = 1.20" for 100-year event
Inflow = 0.14 cfs @ 12.11 hrs, Volume= 0.013 af
Outflow = 0.02 cfs @ 11.97 hrs, Volume= 0.013 af, Atten= 86%, Lag= 0.0 min
Discarded = 0.02 cfs @ 11.97 hrs, Volume= 0.013 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 5.29' @ 13.81 hrs Surf.Area= 50 sf Storage= 165 cf

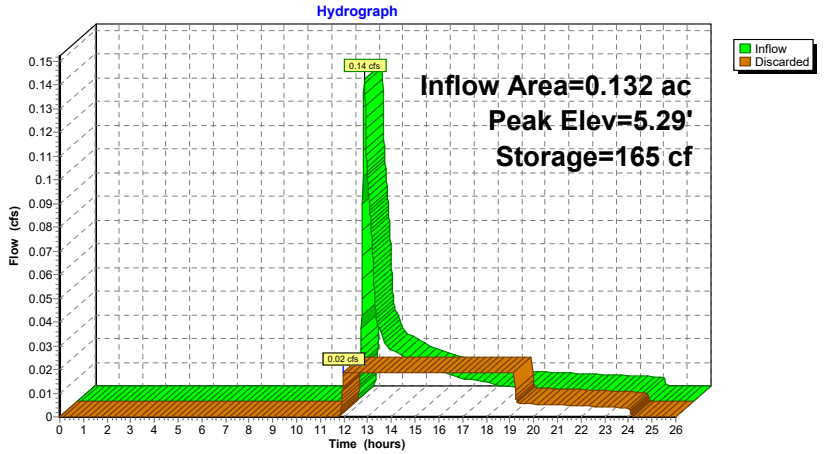
Plug-Flow detention time= 84.3 min calculated for 0.013 af (100% of inflow)
Center-of-Mass det. time= 84.2 min (986.2 - 901.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	141 cf	**6.00'D x 5.00'H Dry Well** Inside #2 183 cf Overall - 5.0" Wall Thickness = 141 cf
#2	0.00'	47 cf	**8.00'D x 6.00'H Crushed Stone** 302 cf Overall - 183 cf Embedded = 118 cf x 40.0% Voids
		189 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 11.97 hrs HW=0.07' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

Pond 41P: Drywell 2-10



Summary for Pond 42P: Drywell 2-9

Inflow Area = 0.076 ac, 22.53% Impervious, Inflow Depth = 1.91" for 100-year event
Inflow = 0.15 cfs @ 12.10 hrs, Volume= 0.012 af
Outflow = 0.02 cfs @ 11.82 hrs, Volume= 0.012 af, Atten= 88%, Lag= 0.0 min
Discarded = 0.02 cfs @ 11.82 hrs, Volume= 0.012 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 5.33' @ 13.13 hrs Surf.Area= 50 sf Storage= 166 cf

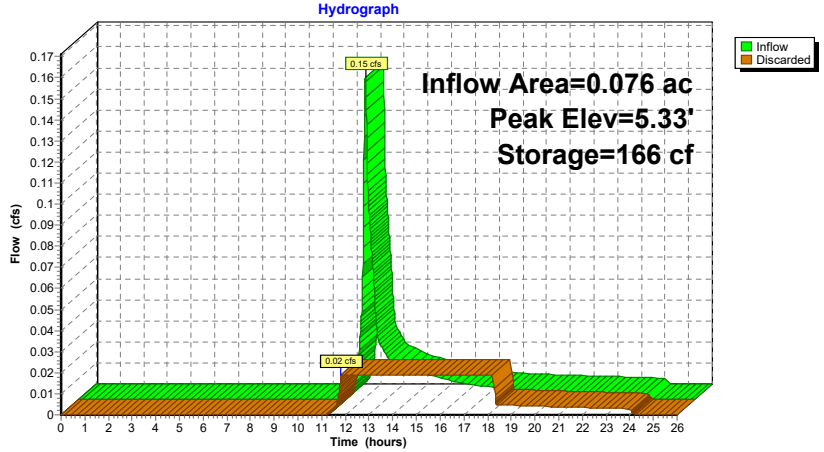
Plug-Flow detention time= 79.1 min calculated for 0.012 af (100% of inflow)
Center-of-Mass det. time= 79.1 min (952.7 - 873.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	141 cf	**6.00'D x 5.00'H Dry Well** Inside #2 183 cf Overall - 5.0" Wall Thickness = 141 cf
#2	0.00'	47 cf	**8.00'D x 6.00'H Crushed Stone** 302 cf Overall - 183 cf Embedded = 118 cf x 40.0% Voids
		189 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 11.82 hrs HW=0.06' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

Pond 42P: Drywell 2-9



Summary for Pond 43P: Drywell 2-8

Inflow Area = 0.099 ac, 8.53% Impervious, Inflow Depth = 1.20" for 100-year event
Inflow = 0.10 cfs @ 12.11 hrs, Volume= 0.010 af
Outflow = 0.02 cfs @ 11.99 hrs, Volume= 0.010 af, Atten= 82%, Lag= 0.0 min
Discarded = 0.02 cfs @ 11.99 hrs, Volume= 0.010 af

Routing by Stor-Ind method, Time Span= 0.00-26.00 hrs, dt= 0.01 hrs
Peak Elev= 3.39' @ 13.00 hrs Surf.Area= 50 sf Storage= 101 cf

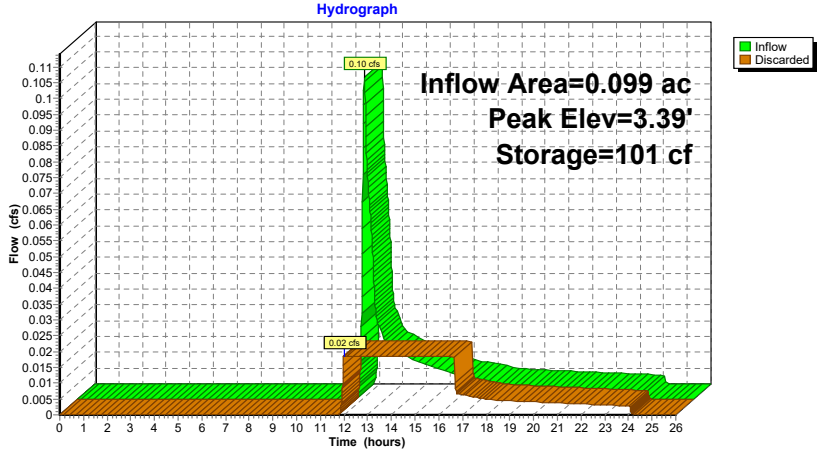
Plug-Flow detention time= 43.0 min calculated for 0.010 af (100% of inflow)
Center-of-Mass det. time= 43.0 min (944.9 - 901.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1.00'	113 cf	**6.00'D x 4.00'H Dry Well** Inside #2 147 cf Overall - 5.0" Wall Thickness = 113 cf
#2	0.00'	42 cf	**8.00'D x 5.00'H Crushed Stone** 251 cf Overall - 147 cf Embedded = 105 cf x 40.0% Voids
		155 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**16.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.02 cfs @ 11.99 hrs HW=0.06' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

Pond 43P: Drywell 2-8



TSS REMOVAL CALCULATIONS

TSS Removal Calculation Worksheet

Location: Wareham, MA

Project: Woodland Cove

Prepared By: D. Rinaldi

Date: 03/15/2024

Proposed Watershed Areas - P3-7, P3-8, P3-9, P3-10

Total Impervious Area, Acres= 2.298

A	B	C	D	E
BMP	TSS Removal Rate	Starting TSS Load*	Amount Removed (BxC)	Remaining Load (C-D)
Catch Basin	0.25	1.00	0.25	0.75
Water Quality Unit	0.77	0.75	0.58	0.17
Infiltration Basin	0.80	0.17	0.14	0.03

TSS Removal = 0.97

Proposed Watershed Area - P3-16

Total Impervious Area, Acres= 0.154

A	B	C	D	E
BMP	TSS Removal Rate	Starting TSS Load*	Amount Removed (BxC)	Remaining Load (C-D)
Water Quality Swale	0.70	1.00	0.70	0.30

TSS Removal = 0.70

Proposed Watershed Areas - P1, P3-13, P3-27, P3-28, P3-29, P3-32, P3-33, P3-35, P3-37, P3-39, P3-44, P3-48

Total Impervious Area, Acres= 0.160

A	B	C	D	E
BMP	TSS Removal Rate	Starting TSS Load*	Amount Removed (BxC)	Remaining Load (C-D)
		1.00		1.00

TSS Removal =

WEIGHTED AVERAGE

Total =Sum(Watershed Impervious Area * TSS Removal Rate)

Sum(Impervious Area)

Total Site TSS Removal = 0.89

*Equals remaining load from previous BMP (E)