



HOWARD STEIN HUDSON

Engineers + Planners

SUPPLEMENTAL DATA REPORT

Proposed Multi-family Development

55 Summer Street

Walpole, Massachusetts

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Existing Conditions

The subject site consists of three parcels totaling 54.73 acres in the Limited Manufacturing – LM zone. The addresses of record for the parcels are 51-53-55 Summer Street. Summer Street has a 50-foot-wide right-of-way along the frontage of the existing lots. There are no existing buildings or improvements on site. The site extends to the east side of the railroad tracks. On the north side there is a Park, School, Recreation & Conservation (PSRC) zoned area encompassing a large wetland area. On the west and south sides there is Residence B (RB) zoned properties.

There is a railroad yard located on the abutting property on the east side of our project site in the LM zone, across from the railroad right-of-way. The PSRC zone does not contain any existing buildings. An RB zone exists to the west and south of the parcel and contain residential dwellings with associated improvements (such as stand-alone garages, pools, sheds, driveways, etc).

The site contains a mix of woodlands, isolated vegetated wetlands, bordering vegetated wetlands, vernal pools, and open grassed areas. All three vernal pools are denoted as potential vernal pools at this time. This property is located within the Area 3 – Primary Recharge Area Water Resource Protection Overlay District and partially within the Large-Scale Ground-Mounted Solar Photovoltaic Overlay District (SPOD). The terrain ranges on site from elevation 186' to 228' Mean Sea Level, with the lower areas generally being wetlands and the higher elevations being upland areas. The site topography decreases from south to north starting at Summer Street and ending at Cedar Swamp Brook at the rear of the site. The site currently accepts direct runoff from abutters on the south and west sides. This runoff flows into a wetland on the northern side of the property. Existing flow patterns are generally from the south and west towards north, with localized flow in other directions due to the site terrain.

The site hydrology consists of upland areas flowing to both isolated and bordering vegetated wetlands existing across the entirety of the site. The entire site drains to four analysis points. The first (AP1) is a small portion of the entrance to the site that drains back onto Summer Street and into the drainage system located within Summer Street. This takes up a very small portion of the site drainage. The second analysis point (AP2) for the site is an isolated wetland which is located adjacent to the existing train tracks on the eastern side of the property. This depression has an outlet which flows under the railroad tracks, but it is currently completely blocked; water collects here and slowly infiltrates into the soil. The third analysis point is another wetland area (AP3). This isolated pocket is located adjacent to the eastern train tracks and the other depressed wetland pocket, AP2, and collects and infiltrates water. The final analysis point (AP4) is Cedar Swamp Brook which runs along the entirety of the northern part of the property.



The only drainage infrastructure located onsite is the blocked outlet pipe which runs under the existing railroad tracks. There is an existing storm drain system in Summer Street with a catch basin located along the site's frontage.

Soil conditions on site are mainly Fine Sandy Loam (Canton, Ridgebury, Whitman, Scituate, and Merrimac) with a smaller area of Hollis-Rock Outcrop-Charlton Complex. The hydrologic soil group for these soils area A B, C & D with a majority belonging to groups B, C & D.

Both town and private sewer, water, electricity, gas and communications are currently located within the Summer Street right-of-way, which is the preferred source of utilities to service the project.

Proposed Conditions

This project proposes to construct a multifamily housing development consisting of apartment buildings and townhouses for rent and single-family homes which will be individually owned. This project is to be serviced by municipal utilities. An easement was purchased from the abutter located at 87 Summer Street to facilitate a second means of emergency access and looped water service for the development.

The existing site is proposed to be improved with the addition of stormwater best management practices which are designed to treat, detain, and infiltrate the proposed impervious areas on the developed site, directing stormwater to the same four (4) analysis points.

There are six (6) main stormwater treatment trains proposed within the new development. The first main treatment train drains to Pond P204 which is the proposed Stormtech infiltration system located to the east of the proposed multi-family building #2. This treatment train takes only the clean roof runoff from the multi-family building #2 and the adjacent townhouse unit. This treatment train outlets to the adjacent wetland and flows to Analysis Point #4.

Treatment train #2 drains to Pond P205 which is located at the end of the northernmost cul-de-sac on the southernmost portion of the lot. This Extended Detention Wetland treats and detains the flow from the pavement and houses while maintaining the peak flows onsite. The road drains from the southernmost cul-de-sac to the northwestern cul-de-sac, where the drain manhole outlets into the ponds sediment forebay and ultimately into the Constructed Stormwater Wetland system. This treatment train outlets to the adjacent wetland and flows to Analysis Point #4.

Treatment train #3 drains to Pond P206, the second Stormtech chamber system onsite, which is located behind multi-family building #1. This Stormtech system accepts all the clean roof runoff from



multi-family building #1 as well as the associated pretreated street drainage on the northern side of the building. This drainage is piped into the system, treated, and infiltrated onsite prior to out-letting to the adjacent wetland system and flowing to Analysis Point #4

Treatment train #4 drains to Pond P207 which is located on the western side of multi-family building #1 and accepts most of the street and open-space drainage located adjacent to multi-family buildings 1 and 2. This treatment train outlets to the adjacent wetland and flows to Analysis Point #4.

Treatment train #5 drains to Pond P210 which is located north of Driveway B, on the eastern side of the property adjacent to the railroad tracks after the two (2) townhouse cluster of buildings just to the northeast of the project entry. This Extended Detention Wetland handles all the associated street drainage from the beginning section of Driveway A until the first wetland crossing including the pavement from Driveway B. This treatment train outlets to the adjacent wetland and flows to Analysis Point #2.

Treatment train #6 drains to Pond P212 which is located between Driveway C, Driveway D, and wetland system C in the center of the development. This Infiltration pond takes all the street drainage from high points of both crossings to more than halfway down Driveway C and D. All the houses internal to both Driveways are treated by this pond. This treatment train outlets to the adjacent wetland and flows to Analysis Point #4.

The remainder of the single-family houses and townhouse units are handled with individual drip edge systems which outlet to either Analysis Point # 2, 3, or 4 via overland flow.

The remainder of the land which was untouched will flow, as it currently does, to the existing analysis points.



Stormwater Management Standards

Standard 1: No new untreated discharges

The Massachusetts Stormwater Handbook requires that the project demonstrates that no new stormwater conveyances (e.g. outfalls) discharge untreated stormwater directly to or cause erosion in wetlands or waters of the Commonwealth.

The proposed project will not discharge stormwater directly to, or cause erosion in, wetlands or water of the Commonwealth and will treat stormwater prior to discharge or infiltration.

BMP's have been proposed to treat stormwater collected from the newly paved areas. Each treatment chain consists of a deep sump hooded catch basin, grassed channel and a sediment forebay which is sized to accommodate the water quality volume per the Massachusetts Stormwater Handbook.

The new discharges have been designed to outlet to flared end sections with riprap to minimize any erosion to the isolated vegetated wetland. The table below shows the maximum flow rate for the 2-year storm event in feet per second (fps).

Storm Event	2-year
Flared End Section (Pond 204) (fps)	0.00
Flared End Section (Pond 205) (fps)	4.39
Flared End Section (Pond 206) (fps)	1.87
Flared End Section (Pond 207) (fps)	1.71
Flared End Section (Pond 210) (fps)	2.66
Flared End Section (Pond 212) (fps)	0.00



Standard 2: Post-development peak discharge rates not to exceed pre-development peak discharge rates.

Post-development peak discharge rates do not exceed the pre-development peak discharge rates and total runoff volumes for all storm events except for a slight $0.2\% \pm$ runoff volume increase in the 25-year storm event and a $5.7\% \pm$ runoff volume increase in 100-year storm event both directed to Analysis Point #4. The proposed condition reduces rates by collecting and controlling the stormwater runoff within the stormwater management system.

Storm Event	2-year	10-year	25-year	100-year
Pre-Development Rates (cfs) AP1 Volume (cf) (Summer St)	0.74 2,360	1.28 4,159	1.71 5,619	2.59 8,714
Post-Development Rates (cfs) AP1 Volume (cf) (Summer St)	0.70 2,238	1.15 3,798	1.50 5,048	2.23 7,679
Rate Reductions (cfs) Volume Reductions (cf)	-0.04 -122	-0.13 -361	-0.21 -571	-0.36 -1,035
Pre-Development Rates (cfs) AP2 Volume (cf) (Wetland at track)	12.30 85,349	27.75 184,006	41.12 270,829	70.33 464,971
Post-Development Rates (cfs) AP2 Volume (cf) (Wetland at track)	7.81 79,346	19.51 167,791	30.39 243,968	54.21 412,060
Rate Reductions (cfs) Volume Reductions (cf)	-4.49 -6,003	-8.24 -16,215	-10.73 -26,861	-16.12 -52,911
Pre-Development Rates (cfs) AP3 Volume (cf) (Wetland at track)	2.52 8,514	5.96 18,960	8.96 28,279	15.56 49,317
Post-Development Rates (cfs) AP3 Volume (cf) (Wetland at track)	1.28 4,233	2.88 9,111	4.25 13,401	7.23 22,989
Rate Reductions (cfs) Volume Reductions (cf)	-1.24 -4,281	-3.08 -9,849	-4.71 -14,878	-8.33 -26,328
Pre-Development Rates (cfs) AP4 Volume (cf) (Cedar Brook)	10.77 73,247	33.90 192,708	56.04 306,701	107.72 576,512
Post-Development Rates (cfs) AP4 Volume (cf) (Cedar Brook)	8.25 68,748	25.99 184,538	41.63 307,130	98.80 609,575
Rate Reductions (cfs) Volume Reductions (cf)	-2.52 -4,499	-7.91 -8,170	-14.41 429	-8.92 33,063



Standard 3: Minimize or eliminate loss of annual recharge to groundwater.

Groundwater recharge will be accomplished using the surface infiltration and subsurface practices. As shown in the table summary for Standard 2, the project decreases the total volume of runoff for all storm events except for Analysis Point 4 in the 25 and 100-year storms. This reduction in volume is generated by collecting and infiltrating a significant portion of the impervious surfaces created on site.

Recharge Volume Requirement:

$R_v = F \times \text{impervious area}$

R_v = Required Recharge Volume, expressed in Ft³, cubic yards, or acre-feet

F = Target Depth Factor associated with each Hydrologic Soil Group

Impervious Area = pavement and rooftop area on site

Recharge volume for the entire site:

Soil A:

$R_v = 0.60 \text{ in} \times 51,716 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = \mathbf{2,586 \text{ cf recharge}}$

Soil B:

$R_v = 0.35 \text{ in} \times 184,921 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = \mathbf{5,394 \text{ cf recharge}}$

Soil C:

$R_v = 0.25 \text{ in} \times 280,614 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = \mathbf{5,846 \text{ cf recharge}}$

Soil D:

$R_v = 0.1 \text{ in} \times 50,697 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = \mathbf{422 \text{ cf recharge}}$

Total Recharge Required:

$R_v = (2,586 \text{ cf}) + (5,394 \text{ cf}) + (5,846 \text{ cf}) + (422 \text{ cf}) = \mathbf{14,248 \text{ cf total recharge required}}$

Total recharge provided:

*Drip Edge Houses 1-40 = 163 cf below each outlet = (163 cf) * (40) = 6,520 cf*

*Drip Edge Duplexes 1-8 = 182 cf below each outlet = (182 cf) * (8) = 1,456 cf*

*Townhouse Drip Edges (6 unit) = 151 cf below each outlet = (151 cf) * (4) = 604 cf*

*Townhouse Drip Edges (4 unit) = 96 cf below each outlet = (96 cf) * (7) = 672 cf*

Club house drip edge = 140 cf below outlet

Pond P204 = 6,243 cf below outlet (Stormtech System)

Pond P205 = 0 cf below outlet

Pond P206 = 3,115 cf below outlet (Stormtech System)

Pond P207 = 9,100 cf below outlet

Pond P210 = 0 cf below outlet

Ponds P212 = 14,955 cf below outlet

Total site recharge provided = 40,001 cf recharge volume > 14,248 cf required

**Recharge per Pond****Pond P204****Soil A:**

$R_v = 0.60 \text{ in} * 8,382 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 419 \text{ cf recharge}$

Soil C:

$R_v = 0.25 \text{ in} * 30,361 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 632 \text{ cf recharge}$

Total Weighted Average Recharge:

$R_v = (419 \text{ cf}) + (632 \text{ cf}) = 1,051 \text{ cf recharge required}$

Recharge provided = 6,243 cf > 1,051 cf required

Pond P205:**Soil B:**

$R_v = 0.35 \text{ in} * 74,804 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 2,182 \text{ cf recharge}$

Soil C:

$R_v = 0.25 \text{ in} * 9,106 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 190 \text{ cf recharge}$

Soil D:

$R_v = 0.1 \text{ in} * 119 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 1 \text{ cf recharge}$

Total Weighted Average Recharge:

$R_v = (2,182 \text{ cf}) + (190 \text{ cf}) + (1 \text{ cf}) = 2,373 \text{ cf recharge required}$

Recharge provided = 0 cf \neq 2,373 cf required

(Overall recharge provided on site still greater than overall recharge required)

Pond P206:**Soil A:**

$R_v = 0.60 \text{ in} * 776 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 39 \text{ cf recharge}$

Soil C:

$R_v = 0.25 \text{ in} * 28,351 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 591 \text{ cf recharge}$

Soil D:

$R_v = 0.1 \text{ in} * 28,482 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 237 \text{ cf recharge}$

Total Weighted Average Recharge:

$R_v = (39 \text{ cf}) + (591 \text{ cf}) + (237 \text{ cf}) = 867 \text{ cf total recharge required}$

Recharge provided = 3,115 cf > 867 cf required

Pond P207**Soil A:**

$$R_v = 0.60 \text{ in} * 31,460 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 1,573 \text{ cf recharge}$$

Soil C:

$$R_v = 0.25 \text{ in} * 39,572 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 824 \text{ cf recharge}$$

Soil D:

$$R_v = 0.1 \text{ in} * 18,145 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 151 \text{ cf recharge}$$

Total Weighted Average Recharge:

$$R_v = (1,573 \text{ cf}) + (824 \text{ cf}) + (151 \text{ cf}) = 2,548 \text{ cf recharge required}$$

$$\text{Recharge provided} = 9,100 \text{ cf} > 2,548 \text{ cf required}$$

Pond P210**Soil B:**

$$R_v = 0.35 \text{ in} * 56,314 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 1,642 \text{ cf recharge}$$

Soil C:

$$R_v = 0.25 \text{ in} * 872 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 18 \text{ cf recharge}$$

Soil D:

$$R_v = 0.1 \text{ in} * 1,109 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 9 \text{ cf recharge}$$

Total Weighted Average Recharge:

$$R_v = (1,642 \text{ cf}) + (18 \text{ cf}) + (9 \text{ cf}) = 1,669 \text{ cf recharge required}$$

$$\text{Recharge provided} = 0 \text{ cf} \neq 1,669 \text{ cf required}$$

(Overall recharge provided on site still greater than overall recharge required)

Pond P212**Soil A:**

$R_v = 0.60 \text{ in} \times 1,222 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = 61 \text{ cf recharge}$

Soil B:

$R_v = 0.35 \text{ in} \times 406 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = 12 \text{ cf recharge}$

Soil C:

$R_v = 0.25 \text{ in} \times 139,274 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = 2,901 \text{ cf recharge}$

Soil D:

$R_v = 0.1 \text{ in} \times 2,842 \text{ sf} \times 1 \text{ ft} / 12 \text{ in} = 24 \text{ cf recharge}$

Total Weighted Average Recharge:

$R_v = (61 \text{ cf}) + (12 \text{ cf}) + (2,901 \text{ cf}) + (24 \text{ cf}) = 2,998 \text{ cf recharge required}$

Recharge provided = 14,955 cf > 2,998 cf required

Drawdown Within 72 Hours

Drip Edge Houses 1-40 = $163 \text{ cf} / [(2.41 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (272 \text{ sf})] = 3.0 \text{ hours} < 72 \text{ hours, OK}$

Drip Edge Duplex 1-8 = $182 \text{ cf} / [(2.41 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (285 \text{ sf})] = 3.2 \text{ hours} < 72 \text{ hours, OK}$

Townhouse Drip Edges (6 unit) = $151 \text{ cf} / [(2.41 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (688 \text{ sf})] = 1.1 \text{ hours} < 72 \text{ hours, OK}$

Townhouse Drip Edges (4 unit) = $96 \text{ cf} / [(2.41 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (455 \text{ sf})] = 1.1 \text{ hours} < 72 \text{ hours, OK}$

Pond P204: $6,243 \text{ cf} / [(0.66 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (3,960 \text{ sf})] = 28.7 \text{ hours} < 72 \text{ hours, OK}$

Pond P206: $3,115 \text{ cf} / [(1.4 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (5,239 \text{ sf})] = 5.1 \text{ hours} < 72 \text{ hours, OK}$

Pond P207: $9,100 \text{ cf} / [(3.69 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (2,100 \text{ sf})] = 14.1 \text{ hours} < 72 \text{ hours, OK}$

Pond P212: $14,955 \text{ cf} / [(5.13 \text{ in/hr})(1 \text{ ft}/12 \text{ in}) (9,642 \text{ sf})] = 3.6 \text{ hours} < 72 \text{ hours, OK}$



Water Quality Volume

Calculated as $V_{wq} = (D_{wq}/12 \text{ inches/foot}) * (A_{imp} * 43,560 \text{ square feet/acre})$, where:

V_{wq} = required water quality volume (in cubic feet)

D_{wq} = water quality depth: one-inch for discharges within a Zone II or Interim Wellhead Protection Area, to or near another critical area, runoff from a LUHPPL, or exfiltration to soils with infiltration rate greater than 2.4 inches/hour or greater; ½ inch for discharges near or to other areas.

A_{imp} = impervious area (in acres)

A_{imp} = Impervious Area of Subcatchments onsite = 544,547 SF

D_{wq} = 1 inch

$V_{wq} = (1 \text{ inch} / 12 \text{ inches} / \text{foot}) * (321,848 \text{ S.F.}) = 26,821 \text{ C.F.}$

$V_{wq} = (\frac{1}{2} \text{ inch} / 12 \text{ inches} / \text{foot}) * (222,699 \text{ S.F.}) = 9,279 \text{ C.F.}$

Total Water Quality Volumes from proposed BMP's = 43,348 cf > 36,100 cf OK

Pretreatment sizing for flow based devices

Calculated as $V_{wq} = (D_{wq}/12 \text{ inches/foot}) * (A_{imp} * 43,560 \text{ square feet/acre})$, where:

V_{wq} = required water quality volume (in cubic feet)

D_{wq} = water quality depth: one-inch for discharges within a Zone II or Interim Wellhead Protection Area, to or near another critical area, runoff from a LUHPPL, or exfiltration to soils with infiltration rate greater than 2.4 inches/hour or greater; ½ inch for discharges near or to other areas.

A_{imp} = impervious area

Pond P204:

Stormtech Infiltration Chambers = $(\frac{1}{2} \text{ inch} / 12 \text{ inches} / \text{foot}) * (22,766 \text{ S.F.}) = 948 \text{ C.F.}$

Designed Infiltration Chambers = 6,243 C.F. below outlet

6,243 CF > 1,897 CF OK



Stormtech Isolator Row:

$$Q(\frac{1}{2}) = (752 \text{ csm/in}) (0.52 \text{ AC}) (0.0015625 \text{ mi}^2/\text{AC}) (\frac{1}{2} \text{ in})$$

$$Q(\frac{1}{2}) = 0.31 \text{ cfs}$$

For the SC 740 each chamber is rated for 0.14 cfs:

$$\text{Design calls for 9 SC 740 Isolator Units} = 9 \text{ units} \times 0.14 \text{ cfs} = 1.26 \text{ cfs}$$

$$1.26 \text{ cfs} > 0.31 \text{ cfs OK}$$

$$\text{Volume Provided} = 1.26 \text{ cfs}$$

$$1.26 \text{ cfs} > 0.31 \text{ cfs O.K.}$$

Pond P205:

$$\text{Extended Detention Wetland} = (\frac{1}{2} \text{ inch} / 12 \text{ inches} / \text{foot}) * (84,029 \text{ S.F.}) = 3,501 \text{ C.F.}$$

$$\text{Permanent Pool Volume} = 6,483 \text{ C.F. below outlet}$$

$$6,483 \text{ CF} > 3,501 \text{ CF OK}$$

$$\text{Sediment forebay} = 0.1 * 3,501 \text{ C.F} = 350 \text{ C.F}$$

$$\text{Designed sediment forebays} = 1,313 \text{ CF}$$

$$1,313 \text{ CF} > 350 \text{ CF OK}$$

Pond P206:

$$\text{Stormtech Infiltration Chambers} = (\frac{1}{2} \text{ inch} / 12 \text{ inches} / \text{foot}) * (57,609 \text{ S.F.}) = 2,400 \text{ C.F.}$$

$$\text{Designed Infiltration Chambers} = 3,115 \text{ C.F. below outlet}$$

$$3,115 \text{ CF} > 2,400 \text{ CF OK}$$

Stormtech Isolator Row:

$$Q(\frac{1}{2}) = (752 \text{ csm/in}) (1.32 \text{ AC}) (0.0015625 \text{ mi}^2/\text{AC}) (\frac{1}{2} \text{ in})$$

$$Q(\frac{1}{2}) = 0.78 \text{ cfs}$$

For the SC 740 each chamber is rated for 0.14 cfs:

$$\text{Design calls for 14 SC 740 Isolator Units} = 14 \text{ units} \times 0.14 \text{ cfs} = 1.96 \text{ cfs}$$

$$1.96 \text{ cfs} > 0.78 \text{ cfs OK}$$

$$\text{Volume Provided} = 1.96 \text{ cfs}$$

$$1.96 \text{ cfs} > 0.78 \text{ cfs O.K.}$$

**Pond P207:**

Infiltration pond = (1 inch / 12 inches / foot) * (89,177 S.F.) = 7,431 C.F.

Designed Infiltration Pond = 9,100 C.F. below outlet

9,100 CF > 7,431 CF OK

Sediment forebay = 0.1 * 7,431 C.F = 743 C.F

Designed sediment forebays = 2,506 CF

2,506 CF > 743 CF OK

Pond P210:

Extended Detention Wetland = (½ inch / 12 inches / foot) * (58,295 S.F.) = 2,428 C.F.

Permanent Pool Volume = 3,452 C.F. below outlet

3,452 CF > 2,428 CF OK

Sediment forebay = 0.1 * 2,428 C.F = 243 C.F

Designed sediment forebays = 1,578 CF

1,578 CF > 243 CF OK

Pond P212:

Infiltration pond = (1 inch / 12 inches / foot) * (143,744 S.F.) = 11,979 C.F.

Designed Infiltration Pond = 14,955 C.F. below outlet

14,955 CF > 11,979 CF OK

Sediment forebay = 0.1 * 11,979 C.F = 1,198 C.F

Designed sediment forebays = 3,215 CF

3,215 CF > 1,198 CF OK



Standard 4: Stormwater management system to remove 80% of the average annual load of Total Suspended Solids (TSS)

The stormwater management system is designed to remove >80% annual total suspended solids (TSS) from the proposed roadway, driveways, and sidewalks.

The stormwater management system is designed to remove 80% of the average annual total suspended solids (TSS) from the proposed development.

TSS Removal Calculation

Pretreatment Train #1 to Pond P205

- Deep Sump Hooded Catch Basins:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Sediment Forebay:

$$75\% * 25\% = \mathbf{19\%}$$

$$75\% - 19\% = 56\%$$

$$\mathbf{\text{Pretreatment TSS Removal} = 25\% + 19\% = 44\%}$$

Treatment Train #1 to Pond P205

- Sediment Forebay:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Extended Detention Wetland

$$75\% * 80\% = \mathbf{60\%}$$

$$75\% - 60\% = 15\%$$

$$\mathbf{\text{TSS Removal of the proposed drainage} = 25\% + 60\% = 85\%}$$

$$\mathbf{\text{Site impervious percentage} = 17.60\%}$$

Pretreatment Train #2 to Pond P206

- Deep Sump Hooded Catch Basin:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Stormtech Isolator Row:

$$75\% * 25\% = \mathbf{19\%}$$

$$75\% - 19\% = 56\%$$

Pretreatment TSS Removal = 25% + 19% = 44%

Treatment Train #2 to Pond P206

- Sediment Forebay:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Stormtech Infiltration Chambers

$$75\% * 80\% = \mathbf{60\%}$$

$$75\% - 60\% = 15\%$$

TSS Removal of the proposed drainage = 25% + 60% = 85%

Site impervious percentage = 9.40%

Pretreatment Train #3 to Pond P207

- Deep Sump Hooded Catch Basins:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Sediment Forebay:

$$75\% * 25\% = \mathbf{19\%}$$

$$75\% - 19\% = 56\%$$

Pretreatment TSS Removal = 25% + 19% = 44%

Treatment Train #3 to Pond P207

- Sediment Forebay:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Infiltration Pond:

$$75\% * 80\% = \mathbf{60\%}$$

$$75\% - 60\% = 15\%$$

TSS Removal of the proposed drainage = 25% + 60% = 85%

Site impervious percentage = 24.90%

Pretreatment Train #4 to Pond P210

- Deep Sump Hooded Catch Basins:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Sediment Forebay:

$$75\% * 25\% = \mathbf{19\%}$$

$$75\% - 19\% = 56\%$$

Pretreatment TSS Removal = 25% + 19% = 44%

Treatment Train #4 to Pond P210

- Sediment Forebay:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Extended Detention Wetland

$$75\% * 80\% = \mathbf{60\%}$$

$$75\% - 60\% = 15\%$$

TSS Removal of the proposed drainage = 25% + 60% = 85%

Site impervious percentage = 16.49%

Pretreatment Train #5 to Pond P212

- Grassed Channel:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Sediment Forebay:

$$75\% * 25\% = \mathbf{19\%}$$

$$75\% - 19\% = 56\%$$

$$\mathbf{\text{Pretreatment TSS Removal} = 25\% + 19\% = 44\%}$$

Treatment Train #5 to Pond P212

- Sediment Forebay:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

- Infiltration Pond:

$$75\% * 80\% = \mathbf{60\%}$$

$$75\% - 60\% = 15\%$$

$$\mathbf{\text{TSS Removal of the proposed drainage} = 25\% + 60\% = 85\%}$$

$$\mathbf{\text{Site impervious percentage} = 31.60\%}$$

Treatment Train #6 to Existing Summer Street CB

- Deep Sump Hooded Catch Basins:

$$100\% * 25\% = \mathbf{25\%}$$

$$100\% - 25\% = 75\%$$

$$\mathbf{\text{TSS Removal of the proposed drainage} = 25\%}$$

$$\mathbf{\text{Site impervious percentage} = <0.00\%}$$



Treatment Train #7 flow from Multifamily building drive under

TSS Removal of the proposed drainage = 0%

Site impervious percentage = 0.01%

Total weighted TSS Removal rate = (17.60%) * (85%) + (9.40%) * (85%) + (24.90%) * (85%) + (16.49%) * (85%) + (31.60%) * (85%) + (0.00%) * (25%) + (0.01%) * (0%)

= 15% + 8% + 21% + 14% + 27% + 0% + 0% = 85% > 80% OK

Standard 5: Land uses with higher potential pollutant loads.

The development is not considered a land use that generally produces higher potential pollutant loads.

Standard 6: Stormwater discharges to critical areas

The proposed stormwater system does not discharge to a critical area.

Standard 7: Redevelopment projects

The project is not considered a redevelopment project.

Standard 8: Control construction-related impacts

The project will install erosion and sediment controls prior to any earthwork activity. Erosion control barriers will be placed down slope from the proposed construction to prevent erosion and sedimentation into the surrounding areas. The barriers will be maintained and inspected periodically during construction; sediment buildup will be removed and any damaged barrier will be replaced as needed. See construction site plan.

Standard 9: Long-term operation and maintenance plan

See Appendix A for the operation and maintenance requirements of the stormwater management system.

Standard 10: No illicit discharges

An illicit discharge compliance statement has been provided by the property owner under separate cover.



Appendix A: Operation and Maintenance Plan



Deep Sump Hooded Catch Basins

System Owner: 55 BH LLC

(Per DEP Stormwater Structural BMP's Vol 2)

Inspect or clean deep sump 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 deposits is greater than or equal to one half the depth from the bottom of the invert of the lowest pipe in the basin. If handling runoff from land uses with higher potential pollutant loads or discharging runoff near or to a critical area, more frequent cleaning may be necessary. Clamshell buckets are typically used to remove sediment in Massachusetts. However, vacuum trucks are preferable because they remove more trapped sediment and supernatant than clamshells. Vacuuming is also a speedier process and is less likely to snap the cast iron hood within the deep sump catch basin.

Date	Inspector	Condition	Maintenance Performed*

***Evidence of maintenance (i.e. receipts) must be provided.**



Subsurface Infiltration System

System Owner: 55 BH LLC

(Per DEP Stormwater Structural BMP's Vol 2)

For the first 3 months after construction, the subsurface infiltration system should be inspected after every storm greater than 1" for standing water for periods more than 72 hours. Therein after, the subsurface infiltration system should be inspected biannually. If standing water is observed for longer than 72 hours, a pump should be placed in the basin and discharged through the outlet pipe. After the system is dewatered, it should be observed by a Professional Engineer. A Professional Engineer should provide an opinion as to why the infiltration system is not draining and provide recommendations to restore infiltration capacity to the system.

Date	Inspector	Condition	Maintenance Performed*

*Evidence of maintenance (i.e. receipts) must be provided.



Isolator Row

System Owner: 55 BH LLC

(Per DEP Stormwater Structural BMP's Vol 2)

In the first year of operation, the Isolator Row should be inspected every 6 months for depth of sediment. Therein after, the Isolator Row should be inspected annually. If sediment is present, a stadia rod should be inserted into the inspection port to determine depth of sediment. If/when the depth exceeds 3 inches throughout the length of the Isolator Row, clean out should be performed. Please see the Isolator Row Maintenance Manual for cleanout procedures.

Date	Inspector	Condition	Maintenance Performed*

*Evidence of maintenance (ie. receipts) must be provided.



Sediment Forebay

System Owner: 55 BH LLC

(Per DEP Stormwater Structural BMP's Vol 2)

In many cases, a landscaping contractor working elsewhere on the site can complete maintenance tasks. Stabilize the floor and sidewalls of the sediment forebay before making it operational, otherwise the practice will discharge excess amounts of suspended sediments.

Inspect and clean out the sediment forebay to assure that sediments and associated pollutants are cleaned out. Frequently removing accumulated sediments will make it less likely that sediments will be resuspended. At a minimum, inspect the sediment forebays monthly and clean them out at least four times a year.

Mow the grass areas and keep the grass height no greater than 6 inches. Check for signs of rilling and gullyng and repair as needed. After removing the sediment, replace any vegetation damaged during the clean-out by either reseeding or resodding. When reseeding, incorporate practices such as hydroseeding with a tackifier, blanket, or similar practice to ensure that no scour occurs in the forebay, while the seeds germinate and develop roots.



* Paying careful attention to pretreatment and operation & maintenance can extend the life of the soil media

Date	Inspector	Condition	Maintenance Performed*

*Evidence of maintenance (ie. receipts) must be provided.



Infiltration Ponds

System Owner: 55 BH LLC

(Per DEP Stormwater Structural BMP's Vol 2)

In many cases, a landscaping contractor working elsewhere on the site can complete maintenance tasks. Inspect the basin and outlet structure to ensure no structural damage has occurred and that they are functioning properly and up to design standards.

Inspection and preventive maintenance are required at least twice per year, and after each major storm event. Note how long water remains standing in the basin after a storm. If water remains standing after 48 to 72 hours after a storm, the infiltration basin may be clogged.

At least twice per year, mow the buffer area, side slopes, and basin bottom. Remove grass clippings, accumulated organic matter, trash and debris at this time.

Remove sediment from the basin as necessary when the basin is dry. Use light equipment when removing the top layer, as to not compact the underlying soil. Use deep tilling to break and remove any clogged surfaces and revegetate immediately.

Important items to check during inspections include:

- Signs of differential settlement
- Cracking
- Erosion
- Leakage in the embankments
- Tree growth on the embankments
- Condition of rip rap
- Sediment accumulation
- Health of vegetation, turf



* Paying careful attention to pretreatment and operation & maintenance can extend the life of the soil media

Date	Inspector	Condition	Maintenance Performed*

*Evidence of maintenance (ie. receipts) must be provided.



Extended Detention Wetlands

System Owner: 55 BH LLC

(Per DEP Stormwater Structural BMP's Vol 2)

The constructed stormwater wetland must be observed over time. In the first 3 years after construction, inspect the constructed stormwater wetland twice a year during both the growing and non-growing seasons. During these inspections, record and map the following information:

- The types and distribution of the dominant wetland plants in the marsh.
- The presence and distribution of planted wetland species.
- The presence and distribution of invasive wetland species (invasive species must be removed).
- Indications that other species are replacing the planted wetlands species.
- Percentages of standing water that is unvegetated (excluding the deep-water cells which are not suitable for emerging plant growth).
- The maximum elevation and the vegetative condition in this zone if the design elevation of the normal pool is being maintained for wetlands with extended zones.
- Stability of the original depth zones and the micro-topographic features; and
- Accumulation of sediment in the forebay and micro pool; and survival rate of plants (cells with dead plants must be replanted).



Date	Inspector	Condition	Maintenance Performed*

***Evidence of maintenance (ie. receipts) must be provided.**



Appendix B: Erosion and Sediment Control Notes and General Construction Sequence



Erosion and Sediment Control Notes

- A. Erosion and sediment control measures must be installed prior to the start of construction and maintained and upgraded as necessary during construction by the contractor. It is the contractor's responsibility to inspect and install additional control measures as needed during construction.
- B. All catch basins receiving drainage from the project site must be provided with a catch basin filter.
- C. Stabilization of all re-graded and soil stockpile areas must be maintained during all phases of construction.
- D. Sediment removed from erosion and sediment control devices must be properly removed and disposed. All damaged controls must be removed and replaced.
- E. The contractor is responsible for implementing the erosion and sediment control plan which will be submitted as part of the SWPPP. This includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, and notifying the proper city agency of any transfer of this responsibility.
- F. The contractor shall be responsible for controlling wind erosion and dust throughout the life of his contract. Dust control may include, but is not limited to, sprinkling of water on exposed soils and street sweeping adjacent roadways.
- G. If final grading is to be delayed for more than 21 days after land disturbance activities cease, temporary vegetation or mulch shall be used to stabilize soils within 14 days of the last disturbance.
- H. If a disturbed area will be exposed for greater than one year, permanent grasses or other approved cover must be installed.
- I. The contractor must keep on-site at all times additional silt fence and straw wattle for the installation at the direction of the engineer or the city to mitigate any emergency condition.
- J. The construction fencing and erosion and sediment controls as shown may not be practical during all stages of construction. Earthwork activity on-site must be done in a manner such that runoff is directed to a sediment control device or infiltrated to the ground.
- K. Demolition and construction debris must be properly contained and disposed of.
- L. Disposal of all demolished materials is the responsibility of the contractor and must be hauled off-site in accordance with all federal, state and local requirements.

General Construction Sequence

Construction sequence to comply with the submitted and approved SWPPP.



Invasive Vegetation Control

A. Wetland Replication Areas

Undesirable exotic vegetation, including all species from the Massachusetts Department of Agriculture, “Massachusetts Prohibited Plant List” (MA DAR, 2017) will be removed from areas where compensatory wetland replication will occur, including the adjacent upland work areas if applicable. Throughout the anticipated two (2) growing season monitoring period, undesirable plants will be removed by hand-pulling or mechanical means if necessary. Non-invasive wetland plants that are not desirable to the replication plan may also be controlled manually during the two seasons of maturation for the replication areas.

B. Upland Buffer Zone within Development Footprint

The most pernicious invasions of exotic vegetation currently occur within areas of former pasture within uplands that lie within the project area. These materials will be removed during site preparation and either chipped and composted and disposed of offsite or taken off site to a processing facility.

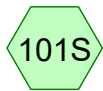
Undesirable exotic vegetation will be removed from areas of upland Buffer Zone within the project development areas (buildings, roads and drainage, landscaped areas). In general lawns and public areas with landscaping will be kept free of undesirable vegetation during normal landscape maintenance. Particular attention will be paid to areas not associated with private dwellings to assure that seed sources do not develop within areas beyond exclusive use zones. No management of exotic vegetation will be conducted within areas left in their natural state.



Appendix C: Pre and Post Drainage Maps



Appendix D: HydroCAD and Stage Storage



SUMMER STREET
(SOUTH)



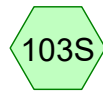
ANALYSIS POINT 1



OVERLAND TO TRAIN
TRACKS (EAST)



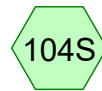
ANALYSIS POINT 2



ISOLATED WETLAND
(NORTHEAST)



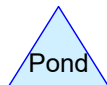
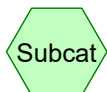
ANALYSIS POINT 3



REMAINING LAND
(NORTH - RIVER)



ANALYSIS POINT 4



Routing Diagram for 19097 Pre-Development

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Rainfall Events Listing

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2YR	Type III 24-hr		Default	24.00	1	3.27	2
2	10YR	Type III 24-hr		Default	24.00	1	4.96	2
3	25YR	Type III 24-hr		Default	24.00	1	6.29	2
4	100YR	Type III 24-hr		Default	24.00	1	9.06	2

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Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
143,648	68	1 acre lots, 20% imp, HSG B (102S, 104S)
549	79	1 acre lots, 20% imp, HSG C (104S)
179,555	61	>75% Grass cover, Good, HSG B (101S, 102S)
15,945	74	>75% Grass cover, Good, HSG C (102S)
3,192	80	>75% Grass cover, Good, HSG D (102S)
89,402	30	Brush, Good, HSG A (103S, 104S)
2,920	65	Brush, Good, HSG C (104S)
4,643	73	Brush, Good, HSG D (103S)
1,262	96	Gravel surface, HSG B (101S)
33,283	98	Paved parking, HSG B (101S, 102S)
448,007	98	Water Surface, 0% imp, HSG D (102S, 103S, 104S)
212,938	30	Woods, Good, HSG A (103S, 104S)
358,427	55	Woods, Good, HSG B (102S, 104S)
866,259	70	Woods, Good, HSG C (102S, 103S, 104S)
213,890	77	Woods, Good, HSG D (102S, 103S, 104S)
2,573,920	68	TOTAL AREA

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Soil Listing (all nodes)

Area (sq-ft)	Soil Group	Subcatchment Numbers
302,340	HSG A	103S, 104S
716,175	HSG B	101S, 102S, 104S
885,673	HSG C	102S, 103S, 104S
669,732	HSG D	102S, 103S, 104S
0	Other	
2,573,920		TOTAL AREA

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Type III 24-hr 2YR Rainfall=3.27"

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101S: SUMMER STREET Runoff Area=13,756 sf 64.57% Impervious Runoff Depth>2.06"
Tc=6.0 min CN=88 Runoff=0.74 cfs 2,360 cf

Subcatchment 102S: OVERLAND TO Runoff Area=956,300 sf 3.58% Impervious Runoff Depth>1.07"
Flow Length=1,531' Tc=44.5 min CN=74 Runoff=12.30 cfs 85,349 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>0.97"
Tc=6.0 min CN=72 Runoff=2.52 cfs 8,514 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>0.59"
Flow Length=987' Tc=28.6 min CN=64 Runoff=10.77 cfs 73,247 cf

Link AP1: ANALYSIS POINT 1 Inflow=0.74 cfs 2,360 cf
Primary=0.74 cfs 2,360 cf

Link AP2: ANALYSIS POINT 2 Inflow=12.30 cfs 85,349 cf
Primary=12.30 cfs 85,349 cf

Link AP3: ANALYSIS POINT 3 Inflow=2.52 cfs 8,514 cf
Primary=2.52 cfs 8,514 cf

Link AP4: ANALYSIS POINT 4 Inflow=10.77 cfs 73,247 cf
Primary=10.77 cfs 73,247 cf

Total Runoff Area = 2,573,920 sf Runoff Volume = 169,469 cf Average Runoff Depth = 0.79"
97.59% Pervious = 2,511,798 sf 2.41% Impervious = 62,122 sf

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment 101S: SUMMER STREET (SOUTH)

Runoff = 0.74 cfs @ 12.09 hrs, Volume= 2,360 cf, Depth> 2.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,612	61	>75% Grass cover, Good, HSG B
8,882	98	Paved parking, HSG B
1,262	96	Gravel surface, HSG B
13,756	88	Weighted Average
4,874		35.43% Pervious Area
8,882		64.57% Impervious Area

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

Summary for Subcatchment 102S: OVERLAND TO TRAIN TRACKS (EAST)

Runoff = 12.30 cfs @ 12.66 hrs, Volume= 85,349 cf, Depth> 1.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
175,943	61	>75% Grass cover, Good, HSG B
184,742	55	Woods, Good, HSG B
24,401	98	Paved parking, HSG B
49,311	68	1 acre lots, 20% imp, HSG B
15,945	74	>75% Grass cover, Good, HSG C
235,274	70	Woods, Good, HSG C
3,192	80	>75% Grass cover, Good, HSG D
1,550	77	Woods, Good, HSG D
265,942	98	Water Surface, 0% imp, HSG D
956,300	74	Weighted Average
922,037		96.42% Pervious Area
34,263		3.58% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.0800	0.26		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
0.3	77	0.0780	4.50		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
41.0	1,404	0.0130	0.57		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
44.5	1,531	Total			

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment 103S: ISOLATED WETLAND (NORTHEAST)

Runoff = 2.52 cfs @ 12.10 hrs, Volume= 8,514 cf, Depth> 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
5,813	30	Brush, Good, HSG A
1,646	30	Woods, Good, HSG A
48,198	70	Woods, Good, HSG C
4,643	73	Brush, Good, HSG D
35,989	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
105,094	72	Weighted Average
105,094		100.00% Pervious Area

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

Summary for Subcatchment 104S: REMAINING LAND (NORTH - RIVER)

Runoff = 10.77 cfs @ 12.50 hrs, Volume= 73,247 cf, Depth> 0.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
83,589	30	Brush, Good, HSG A
211,292	30	Woods, Good, HSG A
173,685	55	Woods, Good, HSG B
94,337	68	1 acre lots, 20% imp, HSG B
549	79	1 acre lots, 20% imp, HSG C
2,920	65	Brush, Good, HSG C
582,787	70	Woods, Good, HSG C
173,260	98	Water Surface, 0% imp, HSG D
176,351	77	Woods, Good, HSG D
1,498,770	64	Weighted Average
1,479,793		98.73% Pervious Area
18,977		1.27% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.2	50	0.0400	0.09		Sheet Flow,
					Woods: Light underbrush n= 0.400 P2= 3.27"
19.4	937	0.0260	0.81		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
28.6	987	Total			

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 13,756 sf, 64.57% Impervious, Inflow Depth > 2.06" for 2YR event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 2,360 cf
Primary = 0.74 cfs @ 12.09 hrs, Volume= 2,360 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 956,300 sf, 3.58% Impervious, Inflow Depth > 1.07" for 2YR event
Inflow = 12.30 cfs @ 12.66 hrs, Volume= 85,349 cf
Primary = 12.30 cfs @ 12.66 hrs, Volume= 85,349 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 105,094 sf, 0.00% Impervious, Inflow Depth > 0.97" for 2YR event
Inflow = 2.52 cfs @ 12.10 hrs, Volume= 8,514 cf
Primary = 2.52 cfs @ 12.10 hrs, Volume= 8,514 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP4: ANALYSIS POINT 4

Inflow Area = 1,498,770 sf, 1.27% Impervious, Inflow Depth > 0.59" for 2YR event
Inflow = 10.77 cfs @ 12.50 hrs, Volume= 73,247 cf
Primary = 10.77 cfs @ 12.50 hrs, Volume= 73,247 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Type III 24-hr 10YR Rainfall=4.96"

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101S: SUMMER STREET Runoff Area=13,756 sf 64.57% Impervious Runoff Depth>3.63"
Tc=6.0 min CN=88 Runoff=1.28 cfs 4,159 cf

Subcatchment 102S: OVERLAND TO Runoff Area=956,300 sf 3.58% Impervious Runoff Depth>2.31"
Flow Length=1,531' Tc=44.5 min CN=74 Runoff=27.75 cfs 184,006 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>2.16"
Tc=6.0 min CN=72 Runoff=5.96 cfs 18,960 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>1.54"
Flow Length=987' Tc=28.6 min CN=64 Runoff=33.90 cfs 192,708 cf

Link AP1: ANALYSIS POINT 1 Inflow=1.28 cfs 4,159 cf
Primary=1.28 cfs 4,159 cf

Link AP2: ANALYSIS POINT 2 Inflow=27.75 cfs 184,006 cf
Primary=27.75 cfs 184,006 cf

Link AP3: ANALYSIS POINT 3 Inflow=5.96 cfs 18,960 cf
Primary=5.96 cfs 18,960 cf

Link AP4: ANALYSIS POINT 4 Inflow=33.90 cfs 192,708 cf
Primary=33.90 cfs 192,708 cf

Total Runoff Area = 2,573,920 sf Runoff Volume = 399,833 cf Average Runoff Depth = 1.86"
97.59% Pervious = 2,511,798 sf 2.41% Impervious = 62,122 sf

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment 101S: SUMMER STREET (SOUTH)

Runoff = 1.28 cfs @ 12.09 hrs, Volume= 4,159 cf, Depth> 3.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,612	61	>75% Grass cover, Good, HSG B
8,882	98	Paved parking, HSG B
1,262	96	Gravel surface, HSG B
13,756	88	Weighted Average
4,874		35.43% Pervious Area
8,882		64.57% Impervious Area

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

Summary for Subcatchment 102S: OVERLAND TO TRAIN TRACKS (EAST)

Runoff = 27.75 cfs @ 12.62 hrs, Volume= 184,006 cf, Depth> 2.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
175,943	61	>75% Grass cover, Good, HSG B
184,742	55	Woods, Good, HSG B
24,401	98	Paved parking, HSG B
49,311	68	1 acre lots, 20% imp, HSG B
15,945	74	>75% Grass cover, Good, HSG C
235,274	70	Woods, Good, HSG C
3,192	80	>75% Grass cover, Good, HSG D
1,550	77	Woods, Good, HSG D
265,942	98	Water Surface, 0% imp, HSG D
956,300	74	Weighted Average
922,037		96.42% Pervious Area
34,263		3.58% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.0800	0.26		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
0.3	77	0.0780	4.50		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
41.0	1,404	0.0130	0.57		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
44.5	1,531	Total			

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment 103S: ISOLATED WETLAND (NORTHEAST)

Runoff = 5.96 cfs @ 12.10 hrs, Volume= 18,960 cf, Depth> 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
5,813	30	Brush, Good, HSG A
1,646	30	Woods, Good, HSG A
48,198	70	Woods, Good, HSG C
4,643	73	Brush, Good, HSG D
35,989	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
105,094	72	Weighted Average
105,094		100.00% Pervious Area

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

Summary for Subcatchment 104S: REMAINING LAND (NORTH - RIVER)

Runoff = 33.90 cfs @ 12.44 hrs, Volume= 192,708 cf, Depth> 1.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
83,589	30	Brush, Good, HSG A
211,292	30	Woods, Good, HSG A
173,685	55	Woods, Good, HSG B
94,337	68	1 acre lots, 20% imp, HSG B
549	79	1 acre lots, 20% imp, HSG C
2,920	65	Brush, Good, HSG C
582,787	70	Woods, Good, HSG C
173,260	98	Water Surface, 0% imp, HSG D
176,351	77	Woods, Good, HSG D
1,498,770	64	Weighted Average
1,479,793		98.73% Pervious Area
18,977		1.27% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.2	50	0.0400	0.09		Sheet Flow,
					Woods: Light underbrush n= 0.400 P2= 3.27"
19.4	937	0.0260	0.81		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
28.6	987	Total			

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 13,756 sf, 64.57% Impervious, Inflow Depth > 3.63" for 10YR event
Inflow = 1.28 cfs @ 12.09 hrs, Volume= 4,159 cf
Primary = 1.28 cfs @ 12.09 hrs, Volume= 4,159 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 956,300 sf, 3.58% Impervious, Inflow Depth > 2.31" for 10YR event
Inflow = 27.75 cfs @ 12.62 hrs, Volume= 184,006 cf
Primary = 27.75 cfs @ 12.62 hrs, Volume= 184,006 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 105,094 sf, 0.00% Impervious, Inflow Depth > 2.16" for 10YR event
Inflow = 5.96 cfs @ 12.10 hrs, Volume= 18,960 cf
Primary = 5.96 cfs @ 12.10 hrs, Volume= 18,960 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP4: ANALYSIS POINT 4

Inflow Area = 1,498,770 sf, 1.27% Impervious, Inflow Depth > 1.54" for 10YR event
Inflow = 33.90 cfs @ 12.44 hrs, Volume= 192,708 cf
Primary = 33.90 cfs @ 12.44 hrs, Volume= 192,708 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Type III 24-hr 25YR Rainfall=6.29"

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101S: SUMMER STREET Runoff Area=13,756 sf 64.57% Impervious Runoff Depth>4.90"
Tc=6.0 min CN=88 Runoff=1.71 cfs 5,619 cf

Subcatchment 102S: OVERLAND TO Runoff Area=956,300 sf 3.58% Impervious Runoff Depth>3.40"
Flow Length=1,531' Tc=44.5 min CN=74 Runoff=41.12 cfs 270,829 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>3.23"
Tc=6.0 min CN=72 Runoff=8.96 cfs 28,279 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>2.46"
Flow Length=987' Tc=28.6 min CN=64 Runoff=56.04 cfs 306,701 cf

Link AP1: ANALYSIS POINT 1 Inflow=1.71 cfs 5,619 cf
Primary=1.71 cfs 5,619 cf

Link AP2: ANALYSIS POINT 2 Inflow=41.12 cfs 270,829 cf
Primary=41.12 cfs 270,829 cf

Link AP3: ANALYSIS POINT 3 Inflow=8.96 cfs 28,279 cf
Primary=8.96 cfs 28,279 cf

Link AP4: ANALYSIS POINT 4 Inflow=56.04 cfs 306,701 cf
Primary=56.04 cfs 306,701 cf

Total Runoff Area = 2,573,920 sf Runoff Volume = 611,428 cf Average Runoff Depth = 2.85"
97.59% Pervious = 2,511,798 sf 2.41% Impervious = 62,122 sf

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment 101S: SUMMER STREET (SOUTH)

Runoff = 1.71 cfs @ 12.09 hrs, Volume= 5,619 cf, Depth> 4.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,612	61	>75% Grass cover, Good, HSG B
8,882	98	Paved parking, HSG B
1,262	96	Gravel surface, HSG B
13,756	88	Weighted Average
4,874		35.43% Pervious Area
8,882		64.57% Impervious Area

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

Summary for Subcatchment 102S: OVERLAND TO TRAIN TRACKS (EAST)

Runoff = 41.12 cfs @ 12.61 hrs, Volume= 270,829 cf, Depth> 3.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
175,943	61	>75% Grass cover, Good, HSG B
184,742	55	Woods, Good, HSG B
24,401	98	Paved parking, HSG B
49,311	68	1 acre lots, 20% imp, HSG B
15,945	74	>75% Grass cover, Good, HSG C
235,274	70	Woods, Good, HSG C
3,192	80	>75% Grass cover, Good, HSG D
1,550	77	Woods, Good, HSG D
265,942	98	Water Surface, 0% imp, HSG D
956,300	74	Weighted Average
922,037		96.42% Pervious Area
34,263		3.58% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.0800	0.26		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
0.3	77	0.0780	4.50		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
41.0	1,404	0.0130	0.57		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
44.5	1,531	Total			

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment 103S: ISOLATED WETLAND (NORTHEAST)

Runoff = 8.96 cfs @ 12.09 hrs, Volume= 28,279 cf, Depth> 3.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
5,813	30	Brush, Good, HSG A
1,646	30	Woods, Good, HSG A
48,198	70	Woods, Good, HSG C
4,643	73	Brush, Good, HSG D
35,989	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
105,094	72	Weighted Average
105,094		100.00% Pervious Area

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

Summary for Subcatchment 104S: REMAINING LAND (NORTH - RIVER)

Runoff = 56.04 cfs @ 12.42 hrs, Volume= 306,701 cf, Depth> 2.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
83,589	30	Brush, Good, HSG A
211,292	30	Woods, Good, HSG A
173,685	55	Woods, Good, HSG B
94,337	68	1 acre lots, 20% imp, HSG B
549	79	1 acre lots, 20% imp, HSG C
2,920	65	Brush, Good, HSG C
582,787	70	Woods, Good, HSG C
173,260	98	Water Surface, 0% imp, HSG D
176,351	77	Woods, Good, HSG D
1,498,770	64	Weighted Average
1,479,793		98.73% Pervious Area
18,977		1.27% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.2	50	0.0400	0.09		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
19.4	937	0.0260	0.81		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
28.6	987	Total			

Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 13,756 sf, 64.57% Impervious, Inflow Depth > 4.90" for 25YR event
Inflow = 1.71 cfs @ 12.09 hrs, Volume= 5,619 cf
Primary = 1.71 cfs @ 12.09 hrs, Volume= 5,619 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 956,300 sf, 3.58% Impervious, Inflow Depth > 3.40" for 25YR event
Inflow = 41.12 cfs @ 12.61 hrs, Volume= 270,829 cf
Primary = 41.12 cfs @ 12.61 hrs, Volume= 270,829 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 105,094 sf, 0.00% Impervious, Inflow Depth > 3.23" for 25YR event
Inflow = 8.96 cfs @ 12.09 hrs, Volume= 28,279 cf
Primary = 8.96 cfs @ 12.09 hrs, Volume= 28,279 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP4: ANALYSIS POINT 4

Inflow Area = 1,498,770 sf, 1.27% Impervious, Inflow Depth > 2.46" for 25YR event
Inflow = 56.04 cfs @ 12.42 hrs, Volume= 306,701 cf
Primary = 56.04 cfs @ 12.42 hrs, Volume= 306,701 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Type III 24-hr 100YR Rainfall=9.06"

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101S: SUMMER STREET Runoff Area=13,756 sf 64.57% Impervious Runoff Depth>7.60"
Tc=6.0 min CN=88 Runoff=2.59 cfs 8,714 cf

Subcatchment 102S: OVERLAND TO Runoff Area=956,300 sf 3.58% Impervious Runoff Depth>5.83"
Flow Length=1,531' Tc=44.5 min CN=74 Runoff=70.33 cfs 464,971 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>5.63"
Tc=6.0 min CN=72 Runoff=15.56 cfs 49,317 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>4.62"
Flow Length=987' Tc=28.6 min CN=64 Runoff=107.72 cfs 576,512 cf

Link AP1: ANALYSIS POINT 1 Inflow=2.59 cfs 8,714 cf
Primary=2.59 cfs 8,714 cf

Link AP2: ANALYSIS POINT 2 Inflow=70.33 cfs 464,971 cf
Primary=70.33 cfs 464,971 cf

Link AP3: ANALYSIS POINT 3 Inflow=15.56 cfs 49,317 cf
Primary=15.56 cfs 49,317 cf

Link AP4: ANALYSIS POINT 4 Inflow=107.72 cfs 576,512 cf
Primary=107.72 cfs 576,512 cf

Total Runoff Area = 2,573,920 sf Runoff Volume = 1,099,514 cf Average Runoff Depth = 5.13"
97.59% Pervious = 2,511,798 sf 2.41% Impervious = 62,122 sf

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment 101S: SUMMER STREET (SOUTH)

Runoff = 2.59 cfs @ 12.09 hrs, Volume= 8,714 cf, Depth> 7.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,612	61	>75% Grass cover, Good, HSG B
8,882	98	Paved parking, HSG B
1,262	96	Gravel surface, HSG B
13,756	88	Weighted Average
4,874		35.43% Pervious Area
8,882		64.57% Impervious Area

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

Summary for Subcatchment 102S: OVERLAND TO TRAIN TRACKS (EAST)

Runoff = 70.33 cfs @ 12.60 hrs, Volume= 464,971 cf, Depth> 5.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
175,943	61	>75% Grass cover, Good, HSG B
184,742	55	Woods, Good, HSG B
24,401	98	Paved parking, HSG B
49,311	68	1 acre lots, 20% imp, HSG B
15,945	74	>75% Grass cover, Good, HSG C
235,274	70	Woods, Good, HSG C
3,192	80	>75% Grass cover, Good, HSG D
1,550	77	Woods, Good, HSG D
265,942	98	Water Surface, 0% imp, HSG D
956,300	74	Weighted Average
922,037		96.42% Pervious Area
34,263		3.58% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.0800	0.26		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
0.3	77	0.0780	4.50		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
41.0	1,404	0.0130	0.57		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
44.5	1,531	Total			

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment 103S: ISOLATED WETLAND (NORTHEAST)

Runoff = 15.56 cfs @ 12.09 hrs, Volume= 49,317 cf, Depth> 5.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
5,813	30	Brush, Good, HSG A
1,646	30	Woods, Good, HSG A
48,198	70	Woods, Good, HSG C
4,643	73	Brush, Good, HSG D
35,989	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
105,094	72	Weighted Average
105,094		100.00% Pervious Area

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

Summary for Subcatchment 104S: REMAINING LAND (NORTH - RIVER)

Runoff = 107.72 cfs @ 12.40 hrs, Volume= 576,512 cf, Depth> 4.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
83,589	30	Brush, Good, HSG A
211,292	30	Woods, Good, HSG A
173,685	55	Woods, Good, HSG B
94,337	68	1 acre lots, 20% imp, HSG B
549	79	1 acre lots, 20% imp, HSG C
2,920	65	Brush, Good, HSG C
582,787	70	Woods, Good, HSG C
173,260	98	Water Surface, 0% imp, HSG D
176,351	77	Woods, Good, HSG D
1,498,770	64	Weighted Average
1,479,793		98.73% Pervious Area
18,977		1.27% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.2	50	0.0400	0.09		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
19.4	937	0.0260	0.81		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
28.6	987	Total			

Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 13,756 sf, 64.57% Impervious, Inflow Depth > 7.60" for 100YR event
Inflow = 2.59 cfs @ 12.09 hrs, Volume= 8,714 cf
Primary = 2.59 cfs @ 12.09 hrs, Volume= 8,714 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 956,300 sf, 3.58% Impervious, Inflow Depth > 5.83" for 100YR event
Inflow = 70.33 cfs @ 12.60 hrs, Volume= 464,971 cf
Primary = 70.33 cfs @ 12.60 hrs, Volume= 464,971 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 105,094 sf, 0.00% Impervious, Inflow Depth > 5.63" for 100YR event
Inflow = 15.56 cfs @ 12.09 hrs, Volume= 49,317 cf
Primary = 15.56 cfs @ 12.09 hrs, Volume= 49,317 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP4: ANALYSIS POINT 4

Inflow Area = 1,498,770 sf, 1.27% Impervious, Inflow Depth > 4.62" for 100YR event
Inflow = 107.72 cfs @ 12.40 hrs, Volume= 576,512 cf
Primary = 107.72 cfs @ 12.40 hrs, Volume= 576,512 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Rainfall Events Listing

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2YR	Type III 24-hr		Default	24.00	1	3.27	2
2	10YR	Type III 24-hr		Default	24.00	1	4.96	2
3	25YR	Type III 24-hr		Default	24.00	1	6.29	2
4	100YR	Type III 24-hr		Default	24.00	1	9.06	2

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Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
126,807	68	1 acre lots, 20% imp, HSG B (C1, C4, C48, C8)
93,640	39	>75% Grass cover, Good, HSG A (C14, C16, C20, C21, H17, H18, H19, H20, H21, S205, S206, S207, S208, S209, S210, S213, T2)
295,014	61	>75% Grass cover, Good, HSG B (C1, C2, C3, C38, C39, C4, C41, C42, C43, C50, C7, C8, H1, H2, H3, H34, H35, H36, H37, H38, H39, H4, H40, H41, H42, H43, H44, H45, H46, H47, H48, H5, S201, S202, S203, S204, S206, S211, S212, TH1, TH2)
368,477	74	>75% Grass cover, Good, HSG C (C10, C11, C12, C13, C14, C16, C17, C18, C2, C20, C25, C28, C29, C30, C31, C32, C33, C34, C37, C38, C39, C9, CH1, H10, H11, H12, H13, H14, H15, H16, H20, H21, H22, H23, H24, H25, H26, H27, H28, H29, H30, H31, H32, H33, H36, H6, H7, H8, H9, S202, S203, S204, S205, S206, S207, S208, S209, S210, S211, S212, S213, T1, T2, TH10, TH11, TH3, TH4, TH5, TH6, TH7, TH8, TH9)
39,804	80	>75% Grass cover, Good, HSG D (C10, C20, C22, C23, C24, C25, C26, C28, C37, C38, C39, S202, S204, S205, S206, S212, S213, T1)
31,970	30	Brush, Good, HSG A (S206)
35,862	98	Paved parking, HSG A (C14, C15, C16, C20, C21, C22, C23, C25, C27, S210, T2)
128,368	98	Paved parking, HSG B (C1, C10, C2, C3, C38, C39, C4, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C5, C50, C6, C7, C8, C9, S201, S202, S203)
153,036	98	Paved parking, HSG C (C10, C11, C12, C13, C14, C15, C16, C17, C18, C2, C20, C21, C22, C25, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C9, S210, S213, T1, T2)
46,462	98	Paved parking, HSG D (C10, C20, C22, C23, C24, C25, C26, C27, C28, C37, C38, C39, C5, C9, T1)
15,854	98	Roofs, HSG A (B2, H17, H18, H19, H20, H21)
56,553	98	Roofs, HSG B (H1, H2, H3, H34, H35, H36, H37, H38, H39, H4, H40, H41, H42, H43, H44, H45, H46, H47, H48, H5, TH1, TH2)
127,578	98	Roofs, HSG C (B1, B2, CH1, H10, H11, H12, H13, H14, H15, H16, H20, H21, H22, H23, H24, H25, H26, H27, H28, H29, H30, H31, H32, H33, H36, H6, H7, H8, H9, TH10, TH11, TH3, TH4, TH5, TH6, TH7, TH8, TH9)
4,235	98	Roofs, HSG D (B1, T1)
854	98	Water Surface, 0% imp, HSG A (S207, S210)
3,654	98	Water Surface, 0% imp, HSG B (S203)
56,066	98	Water Surface, 0% imp, HSG C (S202, S203, S207, S210, S211)
441,417	98	Water Surface, 0% imp, HSG D (S202, S204, S205, S206, S209, S212)
124,160	30	Woods, Good, HSG A (S205, S206, S209)
105,779	55	Woods, Good, HSG B (C50, C8, S202, S204, S206, S211, S212)
180,516	70	Woods, Good, HSG C (S202, S204, S205, S206, S209, S211, S212)
137,814	77	Woods, Good, HSG D (S204, S205, S206)
2,573,920	77	TOTAL AREA

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Soil Listing (all nodes)

Area (sq-ft)	Soil Group	Subcatchment Numbers
302,340	HSG A	B2, C14, C15, C16, C20, C21, C22, C23, C25, C27, H17, H18, H19, H20, H21, S205, S206, S207, S208, S209, S210, S213, T2
716,175	HSG B	C1, C10, C2, C3, C38, C39, C4, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C5, C50, C6, C7, C8, C9, H1, H2, H3, H34, H35, H36, H37, H38, H39, H4, H40, H41, H42, H43, H44, H45, H46, H47, H48, H5, S201, S202, S203, S204, S206, S211, S212, TH1, TH2
885,673	HSG C	B1, B2, C10, C11, C12, C13, C14, C15, C16, C17, C18, C2, C20, C21, C22, C25, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C9, CH1, H10, H11, H12, H13, H14, H15, H16, H20, H21, H22, H23, H24, H25, H26, H27, H28, H29, H30, H31, H32, H33, H36, H6, H7, H8, H9, S202, S203, S204, S205, S206, S207, S208, S209, S210, S211, S212, S213, T1, T2, TH10, TH11, TH3, TH4, TH5, TH6, TH7, TH8, TH9
669,732	HSG D	B1, C10, C20, C22, C23, C24, C25, C26, C27, C28, C37, C38, C39, C5, C9, S202, S204, S205, S206, S209, S212, S213, T1
0	Other	
2,573,920		TOTAL AREA

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Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	21R	197.34	197.00	65.7	0.0052	0.012	12.0	0.0	0.0
2	19R	194.00	193.85	30.0	0.0050	0.012	24.0	0.0	0.0
3	CB1	207.83	207.76	14.1	0.0050	0.013	12.0	0.0	0.0
4	CB10	209.76	209.59	33.8	0.0050	0.013	12.0	0.0	0.0
5	CB11	209.94	209.67	26.3	0.0103	0.013	12.0	0.0	0.0
6	CB12	209.69	209.62	14.0	0.0050	0.013	12.0	0.0	0.0
7	CB13	209.69	209.62	14.6	0.0048	0.013	12.0	0.0	0.0
8	CB14	200.79	200.67	23.2	0.0052	0.013	12.0	0.0	0.0
9	CB15	200.79	200.71	15.6	0.0051	0.013	12.0	0.0	0.0
10	CB16	203.47	203.33	20.9	0.0067	0.013	12.0	0.0	0.0
11	CB17	205.12	205.04	16.3	0.0049	0.013	12.0	0.0	0.0
12	CB18	205.10	205.02	16.2	0.0049	0.013	12.0	0.0	0.0
13	CB19	203.25	202.94	61.0	0.0051	0.013	12.0	0.0	0.0
14	CB2	204.86	204.40	92.1	0.0050	0.013	12.0	0.0	0.0
15	CB20	203.97	203.81	30.3	0.0053	0.013	12.0	0.0	0.0
16	CB21	204.32	204.19	26.0	0.0050	0.013	12.0	0.0	0.0
17	CB22	205.33	205.25	16.1	0.0050	0.012	12.0	0.0	0.0
18	CB23	205.41	205.32	16.3	0.0055	0.012	12.0	0.0	0.0
19	CB24	205.21	205.15	12.1	0.0050	0.012	12.0	0.0	0.0
20	CB25	205.22	205.16	11.4	0.0053	0.012	12.0	0.0	0.0
21	CB26	201.77	201.55	42.5	0.0052	0.013	12.0	0.0	0.0
22	CB27	201.00	200.90	18.0	0.0056	0.013	12.0	0.0	0.0
23	CB28	197.75	197.69	13.7	0.0044	0.013	12.0	0.0	0.0
24	CB29	205.38	205.31	13.5	0.0052	0.013	12.0	0.0	0.0
25	CB3	207.80	207.74	10.2	0.0059	0.013	12.0	0.0	0.0
26	CB30	205.38	205.29	17.5	0.0051	0.013	12.0	0.0	0.0
27	CB31	204.19	204.11	16.4	0.0049	0.013	12.0	0.0	0.0
28	CB32	204.19	204.11	16.3	0.0049	0.013	12.0	0.0	0.0
29	CB33	205.28	205.22	11.7	0.0051	0.013	12.0	0.0	0.0
30	CB34	205.21	205.13	16.5	0.0048	0.013	12.0	0.0	0.0
31	CB35	207.04	206.96	15.2	0.0053	0.013	12.0	0.0	0.0
32	CB36	207.04	206.96	16.1	0.0050	0.013	12.0	0.0	0.0
33	CB37	209.07	208.31	77.2	0.0098	0.013	12.0	0.0	0.0
34	CB38	209.77	209.56	22.4	0.0094	0.012	12.0	0.0	0.0
35	CB39	209.72	209.63	17.3	0.0052	0.013	12.0	0.0	0.0
36	CB4	212.02	211.96	13.1	0.0046	0.012	15.0	0.0	0.0
37	CB40	213.68	213.55	26.7	0.0049	0.013	12.0	0.0	0.0
38	CB41	213.89	213.80	18.4	0.0049	0.013	12.0	0.0	0.0
39	CB42	217.91	217.47	58.1	0.0076	0.013	12.0	0.0	0.0
40	CB43	220.00	219.93	14.9	0.0047	0.013	12.0	0.0	0.0
41	CB44	220.00	219.93	14.9	0.0047	0.013	12.0	0.0	0.0
42	CB45	221.29	221.20	18.2	0.0049	0.013	12.0	0.0	0.0

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Pipe Listing (all nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
43	CB46	221.53	221.45	15.3	0.0052	0.013	12.0	0.0	0.0
44	CB47	225.05	224.27	20.9	0.0373	0.012	12.0	0.0	0.0
45	CB48	224.47	224.00	16.9	0.0278	0.012	15.0	0.0	0.0
46	CB49	216.30	216.06	15.4	0.0156	0.012	12.0	0.0	0.0
47	CB5	212.11	211.96	30.5	0.0049	0.012	12.0	0.0	0.0
48	CB50	215.36	214.50	17.3	0.0497	0.012	12.0	0.0	0.0
49	CB6	212.39	211.96	38.3	0.0112	0.012	12.0	0.0	0.0
50	CB7	214.60	213.68	104.0	0.0088	0.013	12.0	0.0	0.0
51	CB8	214.06	214.00	12.1	0.0050	0.013	12.0	0.0	0.0
52	CB9	210.10	209.71	19.9	0.0196	0.013	12.0	0.0	0.0
53	D1	202.90	202.78	24.6	0.0049	0.013	30.0	0.0	0.0
54	D10	202.08	202.00	15.6	0.0051	0.013	18.0	0.0	0.0
55	D11	204.77	203.04	246.5	0.0070	0.013	15.0	0.0	0.0
56	D12	203.21	203.00	41.9	0.0050	0.013	12.0	0.0	0.0
57	D13	201.95	201.65	60.1	0.0050	0.013	24.0	0.0	0.0
58	D14	204.28	203.05	246.6	0.0050	0.012	15.0	0.0	0.0
59	D16	204.90	204.38	103.5	0.0050	0.012	15.0	0.0	0.0
60	D17	200.55	197.69	91.6	0.0312	0.013	12.0	0.0	0.0
61	D18	197.44	197.18	51.4	0.0051	0.013	15.0	0.0	0.0
62	D19	205.19	204.43	82.5	0.0092	0.013	12.0	0.0	0.0
63	D2	206.29	204.41	129.9	0.0145	0.013	30.0	0.0	0.0
64	D20	204.33	204.02	63.5	0.0049	0.013	12.0	0.0	0.0
65	D21	203.02	202.66	72.4	0.0050	0.013	24.0	0.0	0.0
66	D22	204.87	203.92	134.2	0.0071	0.013	15.0	0.0	0.0
67	D23	206.70	204.97	173.3	0.0100	0.013	15.0	0.0	0.0
68	D24	208.21	207.13	140.9	0.0077	0.013	12.0	0.0	0.0
69	D25	207.75	206.93	165.0	0.0050	0.012	18.0	0.0	0.0
70	D26	206.43	206.07	72.0	0.0050	0.013	24.0	0.0	0.0
71	D27	213.30	208.48	247.1	0.0195	0.012	15.0	0.0	0.0
72	D28	217.12	213.40	189.5	0.0196	0.013	15.0	0.0	0.0
73	D29	219.83	217.54	118.4	0.0193	0.013	12.0	0.0	0.0
74	D3	210.90	206.79	282.0	0.0146	0.012	24.0	0.0	0.0
75	D30	220.92	220.00	184.2	0.0050	0.013	12.0	0.0	0.0
76	D31	223.94	214.45	158.7	0.0598	0.012	15.0	0.0	0.0
77	D32	214.25	213.64	122.0	0.0050	0.012	15.0	0.0	0.0
78	D4	212.68	211.04	131.1	0.0125	0.012	24.0	0.0	0.0
79	D5	209.09	208.17	183.0	0.0050	0.013	18.0	0.0	0.0
80	D6	208.07	206.57	299.7	0.0050	0.013	18.0	0.0	0.0
81	D7	205.97	205.46	101.8	0.0050	0.013	24.0	0.0	0.0
82	D8	200.57	200.13	87.7	0.0050	0.013	12.0	0.0	0.0
83	D9	200.03	199.97	11.9	0.0050	0.013	12.0	0.0	0.0
84	DE1	223.50	223.45	10.0	0.0050	0.013	4.0	0.0	0.0

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Pipe Listing (all nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
85	DE10	213.50	213.45	10.0	0.0050	0.013	4.0	0.0	0.0
86	DE11	212.50	212.45	10.0	0.0050	0.013	4.0	0.0	0.0
87	DE12	211.70	211.65	10.0	0.0050	0.013	4.0	0.0	0.0
88	DE13	211.50	211.45	10.0	0.0050	0.013	4.0	0.0	0.0
89	DE14	209.90	209.85	10.0	0.0050	0.013	4.0	0.0	0.0
90	DE15	209.30	209.25	10.0	0.0050	0.013	4.0	0.0	0.0
91	DE16	208.80	208.75	10.0	0.0050	0.013	4.0	0.0	0.0
92	DE17	204.60	204.55	10.0	0.0050	0.013	4.0	0.0	0.0
93	DE18	206.30	206.25	10.0	0.0050	0.013	4.0	0.0	0.0
94	DE19	207.10	207.05	10.0	0.0050	0.013	4.0	0.0	0.0
95	DE2	223.00	222.95	10.0	0.0050	0.013	4.0	0.0	0.0
96	DE20	207.80	207.75	10.0	0.0050	0.013	4.0	0.0	0.0
97	DE21	208.20	208.15	10.0	0.0050	0.013	4.0	0.0	0.0
98	DE22	209.00	208.95	10.0	0.0050	0.013	4.0	0.0	0.0
99	DE23	209.50	209.45	10.0	0.0050	0.013	4.0	0.0	0.0
100	DE24	210.60	210.55	10.0	0.0050	0.013	4.0	0.0	0.0
101	DE25	210.80	210.75	10.0	0.0050	0.013	4.0	0.0	0.0
102	DE26	211.50	211.45	10.0	0.0050	0.013	4.0	0.0	0.0
103	DE27	212.10	212.05	10.0	0.0050	0.013	4.0	0.0	0.0
104	DE28	213.00	212.95	10.0	0.0050	0.013	4.0	0.0	0.0
105	DE29	213.00	212.95	10.0	0.0050	0.013	4.0	0.0	0.0
106	DE3	222.30	222.25	10.0	0.0050	0.013	4.0	0.0	0.0
107	DE30	213.25	213.20	10.0	0.0050	0.013	4.0	0.0	0.0
108	DE31	213.50	213.45	10.0	0.0050	0.013	4.0	0.0	0.0
109	DE32	212.90	212.85	10.0	0.0050	0.013	4.0	0.0	0.0
110	DE33	212.10	212.05	10.0	0.0050	0.013	4.0	0.0	0.0
111	DE34	211.80	211.75	10.0	0.0050	0.013	4.0	0.0	0.0
112	DE35	210.50	210.45	10.0	0.0050	0.013	4.0	0.0	0.0
113	DE36	208.00	207.95	10.0	0.0050	0.013	4.0	0.0	0.0
114	DE37	209.00	208.95	10.0	0.0050	0.013	4.0	0.0	0.0
115	DE38	210.50	210.45	10.0	0.0050	0.013	4.0	0.0	0.0
116	DE39	211.50	211.45	10.0	0.0050	0.013	4.0	0.0	0.0
117	DE4	220.50	220.45	10.0	0.0050	0.013	4.0	0.0	0.0
118	DE40	212.50	212.45	10.0	0.0050	0.013	4.0	0.0	0.0
119	DE41	213.50	213.45	10.0	0.0050	0.013	4.0	0.0	0.0
120	DE42	214.50	214.45	10.0	0.0050	0.013	4.0	0.0	0.0
121	DE43	215.50	215.45	10.0	0.0050	0.013	4.0	0.0	0.0
122	DE44	217.50	217.45	10.0	0.0050	0.013	4.0	0.0	0.0
123	DE45	218.50	218.45	10.0	0.0050	0.013	4.0	0.0	0.0
124	DE47	218.00	217.95	10.0	0.0050	0.013	4.0	0.0	0.0
125	DE48	216.50	216.45	10.0	0.0050	0.013	4.0	0.0	0.0
126	DE49	214.50	214.45	10.0	0.0050	0.013	4.0	0.0	0.0

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Pipe Listing (all nodes) (continued)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
127	DE5	220.10	220.05	10.0	0.0050	0.013	4.0	0.0	0.0
128	DE6	212.00	211.95	10.0	0.0050	0.013	4.0	0.0	0.0
129	DE61	212.70	212.65	10.0	0.0050	0.013	6.0	0.0	0.0
130	DE62	212.70	212.65	10.0	0.0050	0.013	6.0	0.0	0.0
131	DE63	207.50	207.45	10.0	0.0050	0.013	6.0	0.0	0.0
132	DE64	205.80	205.75	10.0	0.0050	0.013	6.0	0.0	0.0
133	DE65	206.50	206.45	10.0	0.0050	0.013	6.0	0.0	0.0
134	DE66	208.30	208.25	10.0	0.0050	0.013	6.0	0.0	0.0
135	DE67	208.50	208.45	10.0	0.0050	0.013	6.0	0.0	0.0
136	DE68	207.50	207.45	10.0	0.0050	0.013	6.0	0.0	0.0
137	DE69	206.00	205.95	10.0	0.0050	0.013	6.0	0.0	0.0
138	DE7	212.00	211.95	10.0	0.0050	0.013	4.0	0.0	0.0
139	DE70	206.40	206.35	10.0	0.0050	0.013	6.0	0.0	0.0
140	DE71	207.00	206.95	10.0	0.0050	0.013	6.0	0.0	0.0
141	DE8	213.10	213.05	10.0	0.0050	0.013	4.0	0.0	0.0
142	DE9	213.40	213.35	10.0	0.0050	0.013	4.0	0.0	0.0
143	DECH	208.50	205.10	80.0	0.0425	0.013	4.0	0.0	0.0
144	P204	203.00	202.00	40.0	0.0250	0.013	12.0	0.0	0.0
145	P205	196.00	194.00	63.0	0.0317	0.013	18.0	0.0	0.0
146	P206	194.00	193.85	30.0	0.0050	0.013	18.0	0.0	0.0
147	P207	196.00	194.50	40.0	0.0375	0.012	12.0	0.0	0.0
148	P210	202.25	202.03	44.0	0.0050	0.013	12.0	0.0	0.0
149	P212	201.30	201.10	40.0	0.0050	0.012	12.0	0.0	0.0

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

SubcatchmentB1: MULTIFAMILY BLDG	Runoff Area=25,099 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=1.79 cfs 6,349 cf
SubcatchmentB2: MULTIFAMILY BLDG	Runoff Area=17,602 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=1.25 cfs 4,452 cf
SubcatchmentC1: CB #1	Runoff Area=27,330 sf 31.14% Impervious Runoff Depth>0.97" Flow Length=413' Tc=16.1 min CN=72 Runoff=0.48 cfs 2,208 cf
SubcatchmentC10: CB #10	Runoff Area=9,925 sf 94.45% Impervious Runoff Depth>2.92" Tc=6.0 min CN=97 Runoff=0.70 cfs 2,419 cf
SubcatchmentC11: CB #11	Runoff Area=14,065 sf 48.61% Impervious Runoff Depth>1.89" Tc=6.0 min CN=86 Runoff=0.70 cfs 2,220 cf
SubcatchmentC12: CB #12	Runoff Area=9,598 sf 47.53% Impervious Runoff Depth>1.82" Tc=6.0 min CN=85 Runoff=0.46 cfs 1,452 cf
SubcatchmentC13: CB #13	Runoff Area=7,833 sf 70.99% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.47 cfs 1,516 cf
SubcatchmentC14: CB #14	Runoff Area=12,504 sf 71.98% Impervious Runoff Depth>1.67" Tc=6.0 min CN=83 Runoff=0.55 cfs 1,735 cf
SubcatchmentC15: CB #15	Runoff Area=4,895 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.35 cfs 1,238 cf
SubcatchmentC16: CB #16	Runoff Area=8,326 sf 65.96% Impervious Runoff Depth>1.45" Tc=6.0 min CN=80 Runoff=0.32 cfs 1,009 cf
SubcatchmentC17: CB #17	Runoff Area=11,309 sf 74.12% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.70 cfs 2,276 cf
SubcatchmentC18: CB #18	Runoff Area=19,092 sf 48.21% Impervious Runoff Depth>1.89" Tc=6.0 min CN=86 Runoff=0.95 cfs 3,014 cf
SubcatchmentC2: CB #2	Runoff Area=18,869 sf 73.64% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=1.10 cfs 3,509 cf
SubcatchmentC20: CB #20	Runoff Area=15,474 sf 80.34% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.99 cfs 3,238 cf
SubcatchmentC21: CB #21	Runoff Area=11,800 sf 93.49% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.78 cfs 2,566 cf
SubcatchmentC22: CB #22	Runoff Area=9,287 sf 87.71% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.64 cfs 2,180 cf

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SubcatchmentC23: CB #23	Runoff Area=3,194 sf 63.15% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.19 cfs 618 cf
SubcatchmentC24: CB #24	Runoff Area=2,843 sf 88.46% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.20 cfs 667 cf
SubcatchmentC25: CB #25	Runoff Area=8,812 sf 96.03% Impervious Runoff Depth>2.92" Tc=6.0 min CN=97 Runoff=0.62 cfs 2,147 cf
SubcatchmentC26: CB #26	Runoff Area=12,787 sf 75.08% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.84 cfs 2,781 cf
SubcatchmentC27: CB #27	Runoff Area=8,906 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.63 cfs 2,253 cf
SubcatchmentC28: CB #28	Runoff Area=10,173 sf 52.35% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.55 cfs 1,745 cf
SubcatchmentC29: CB #29	Runoff Area=6,042 sf 80.24% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.39 cfs 1,264 cf
SubcatchmentC3: CB #3	Runoff Area=16,074 sf 74.25% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.87 cfs 2,757 cf
SubcatchmentC30: CB #30	Runoff Area=11,846 sf 63.21% Impervious Runoff Depth>2.14" Tc=6.0 min CN=89 Runoff=0.66 cfs 2,116 cf
SubcatchmentC31: CB #31	Runoff Area=13,042 sf 58.40% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.71 cfs 2,237 cf
SubcatchmentC32: CB #32	Runoff Area=10,868 sf 65.38% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=0.63 cfs 2,021 cf
SubcatchmentC33: CB #33	Runoff Area=4,342 sf 79.50% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.28 cfs 909 cf
SubcatchmentC34: CB #34	Runoff Area=5,967 sf 75.68% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.37 cfs 1,201 cf
SubcatchmentC35: CB #35	Runoff Area=2,891 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.21 cfs 731 cf
SubcatchmentC36: CB #36	Runoff Area=6,229 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.44 cfs 1,576 cf
SubcatchmentC37: CB #37	Runoff Area=1,192 sf 94.21% Impervious Runoff Depth>2.92" Tc=6.0 min CN=97 Runoff=0.08 cfs 290 cf
SubcatchmentC38: CB #38	Runoff Area=21,247 sf 76.54% Impervious Runoff Depth>2.14" Tc=6.0 min CN=89 Runoff=1.19 cfs 3,796 cf
SubcatchmentC39: CB #39	Runoff Area=7,773 sf 98.44% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.55 cfs 1,966 cf

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SubcatchmentC4: CB #4	Runoff Area=43,215 sf 22.90% Impervious Runoff Depth>0.81" Flow Length=545' Tc=21.4 min CN=69 Runoff=0.55 cfs 2,933 cf
SubcatchmentC40: CB #40	Runoff Area=4,552 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.32 cfs 1,151 cf
SubcatchmentC41: CB #41	Runoff Area=12,750 sf 69.28% Impervious Runoff Depth>1.98" Tc=6.0 min CN=87 Runoff=0.66 cfs 2,099 cf
SubcatchmentC42: CB #42	Runoff Area=11,269 sf 36.46% Impervious Runoff Depth>1.08" Tc=6.0 min CN=74 Runoff=0.31 cfs 1,017 cf
SubcatchmentC43: CB #43	Runoff Area=4,084 sf 81.61% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.25 cfs 790 cf
SubcatchmentC44: CB #44	Runoff Area=1,662 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.12 cfs 420 cf
SubcatchmentC45: CB #45	Runoff Area=2,109 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.15 cfs 533 cf
SubcatchmentC46: CB #46	Runoff Area=1,371 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.10 cfs 347 cf
SubcatchmentC47: CB#47	Runoff Area=3,004 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.21 cfs 760 cf
SubcatchmentC48: CB#48	Runoff Area=60,065 sf 25.95% Impervious Runoff Depth>0.87" Flow Length=400' Tc=11.8 min CN=70 Runoff=1.02 cfs 4,337 cf
SubcatchmentC49: CB#49	Runoff Area=1,659 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.12 cfs 420 cf
SubcatchmentC5: CB #5	Runoff Area=1,456 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.10 cfs 368 cf
SubcatchmentC50: CB#50	Runoff Area=6,448 sf 27.62% Impervious Runoff Depth>0.92" Tc=6.0 min CN=71 Runoff=0.14 cfs 494 cf
SubcatchmentC6: CB #6	Runoff Area=1,704 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.12 cfs 431 cf
SubcatchmentC7: CB #7	Runoff Area=12,750 sf 47.72% Impervious Runoff Depth>1.39" Tc=6.0 min CN=79 Runoff=0.46 cfs 1,475 cf
SubcatchmentC8: CB #8	Runoff Area=38,601 sf 25.40% Impervious Runoff Depth>0.86" Flow Length=520' Tc=18.2 min CN=70 Runoff=0.56 cfs 2,782 cf
SubcatchmentC9: CB #9	Runoff Area=13,846 sf 80.54% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.89 cfs 2,898 cf

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SubcatchmentCH1: CLUBHOUSE	Runoff Area=5,319 sf 84.40% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.35 cfs 1,157 cf
SubcatchmentH1: SF #1	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf
SubcatchmentH10: SF #10	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 550 cf
SubcatchmentH11: SF #11	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf
SubcatchmentH12: SF #12	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.23 cfs 779 cf
SubcatchmentH13: SF #13	Runoff Area=4,097 sf 90.68% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.28 cfs 962 cf
SubcatchmentH14: SF #14	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 550 cf
SubcatchmentH15: SF #15	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.13 cfs 418 cf
SubcatchmentH16: SF #16	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 550 cf
SubcatchmentH17: SF #17	Runoff Area=1,970 sf 85.94% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=0.11 cfs 366 cf
SubcatchmentH18: SF #18	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.16 cfs 530 cf
SubcatchmentH19: SF #19	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.15 cfs 471 cf
SubcatchmentH2: SF #2	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.12 cfs 387 cf
SubcatchmentH20: SF #20	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=0.11 cfs 357 cf
SubcatchmentH21: SF #21	Runoff Area=1,961 sf 86.33% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.12 cfs 379 cf
SubcatchmentH22: SF #22	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.23 cfs 779 cf
SubcatchmentH23: SF #23	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf
SubcatchmentH24: SF #24	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf

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SubcatchmentH25: SF #25	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf
SubcatchmentH26: SF #26	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf
SubcatchmentH27: SF #27	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 550 cf
SubcatchmentH28: SF #28	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 550 cf
SubcatchmentH29: SF #29	Runoff Area=2,335 sf 88.31% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 528 cf
SubcatchmentH3: SF #3	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 508 cf
SubcatchmentH30: SF #30	Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf
SubcatchmentH31: SF #31	Runoff Area=2,748 sf 88.03% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.19 cfs 621 cf
SubcatchmentH32: SF #32	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf
SubcatchmentH33: SF #33	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.13 cfs 418 cf
SubcatchmentH34: SF #34	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.28 cfs 926 cf
SubcatchmentH35: SF #35	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.28 cfs 926 cf
SubcatchmentH36: SF #36	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.23 cfs 779 cf
SubcatchmentH37: SF #37	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.22 cfs 751 cf
SubcatchmentH38: SF #38	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf
SubcatchmentH39: SF #39	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 508 cf
SubcatchmentH4: SF #4	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf

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SubcatchmentH40: SF #40	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf
SubcatchmentH41: SF #41	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf
SubcatchmentH42: SF #42	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.16 cfs 529 cf
SubcatchmentH43: SF #43	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 508 cf
SubcatchmentH44: SF #44	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf
SubcatchmentH45: SF #45	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 508 cf
SubcatchmentH46: SF #46	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.22 cfs 751 cf
SubcatchmentH47: SF #47	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.12 cfs 387 cf
SubcatchmentH48: SF #48	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.16 cfs 529 cf
SubcatchmentH5: SF #5	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 508 cf
SubcatchmentH6: SF #6	Runoff Area=2,443 sf 87.72% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf
SubcatchmentH7: SF #7	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.13 cfs 418 cf
SubcatchmentH8: SF #8	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf
SubcatchmentH9: SF #9	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf
SubcatchmentS201: SUMMER STREET	Runoff Area=11,566 sf 80.52% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.70 cfs 2,238 cf
SubcatchmentS202: EXISTING WETLAND	Runoff Area=398,747 sf 3.53% Impervious Runoff Depth>1.26" Flow Length=1,049' Tc=21.5 min CN=77 Runoff=8.59 cfs 41,727 cf
SubcatchmentS203: INFILTRATION POND	Runoff Area=38,602 sf 8.41% Impervious Runoff Depth>1.26" Tc=6.0 min CN=77 Runoff=1.26 cfs 4,055 cf
SubcatchmentS204: EXISTING WETLANDS	Runoff Area=265,983 sf 0.00% Impervious Runoff Depth>1.38" Flow Length=632' Tc=22.6 min CN=79 Runoff=6.24 cfs 30,643 cf

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Subcatchment S205: ISOLATED WETLAND	Runoff Area=46,924 sf 0.00% Impervious Runoff Depth>1.08" Tc=6.0 min CN=74 Runoff=1.28 cfs 4,233 cf
Subcatchment S206: OVERLAND FLOW	Runoff Area=652,894 sf 0.00% Impervious Runoff Depth>0.63" Flow Length=795' Tc=19.2 min CN=65 Runoff=6.03 cfs 34,325 cf
Subcatchment S207: INFILTRATION POND	Runoff Area=23,952 sf 0.00% Impervious Runoff Depth>1.59" Tc=6.0 min CN=82 Runoff=1.01 cfs 3,180 cf
Subcatchment S208:	Runoff Area=15,289 sf 0.00% Impervious Runoff Depth>0.97" Tc=6.0 min CN=72 Runoff=0.37 cfs 1,239 cf
Subcatchment S209: WETLAND C	Runoff Area=108,678 sf 0.00% Impervious Runoff Depth>1.02" Flow Length=607' Tc=39.8 min CN=73 Runoff=1.39 cfs 9,208 cf
Subcatchment S210: INFILTRATION	Runoff Area=114,960 sf 21.67% Impervious Runoff Depth>1.74" Flow Length=580' Slope=0.0150 '/' Tc=16.5 min CN=84 Runoff=3.90 cfs 16,627 cf
Subcatchment S211: CUL-DE-SAC POND	Runoff Area=45,277 sf 0.00% Impervious Runoff Depth>1.08" Flow Length=528' Slope=0.0400 '/' Tc=22.0 min CN=74 Runoff=0.81 cfs 4,067 cf
Subcatchment S212: SWALE	Runoff Area=30,844 sf 0.00% Impervious Runoff Depth>1.20" Flow Length=150' Slope=0.0050 '/' Tc=18.8 min CN=76 Runoff=0.66 cfs 3,073 cf
Subcatchment S213: COURTYARD	Runoff Area=21,974 sf 14.16% Impervious Runoff Depth>0.63" Tc=6.0 min CN=65 Runoff=0.30 cfs 1,161 cf
Subcatchment T1: Trench Drain 1	Runoff Area=13,788 sf 62.94% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.83 cfs 2,668 cf
Subcatchment T2: Drive Under B2	Runoff Area=4,607 sf 63.97% Impervious Runoff Depth>1.26" Tc=6.0 min CN=77 Runoff=0.15 cfs 484 cf
Subcatchment TH1: TOWN HOUSE #1	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.38 cfs 1,273 cf
Subcatchment TH10: TOWN HOUSE #10	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 962 cf
Subcatchment TH11: TOWN HOUSE #11	Runoff Area=5,851 sf 88.26% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.39 cfs 1,322 cf
Subcatchment TH2: TOWN HOUSE #2	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.38 cfs 1,273 cf
Subcatchment TH3: TOWN HOUSE #3	Runoff Area=3,423 sf 88.11% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.23 cfs 773 cf
Subcatchment TH4: TOWN HOUSE #4	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 962 cf

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Subcatchment TH5: TOWN HOUSE #5	Runoff Area=3,423 sf 88.14% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.23 cfs 773 cf
Subcatchment TH6: TOWN HOUSE #6	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 958 cf
Subcatchment TH7: TOWN HOUSE #7	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 958 cf
Subcatchment TH8: TOWN HOUSE #8	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.39 cfs 1,322 cf
Subcatchment TH9: TOWN HOUSE #9	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 962 cf
Reach 1R: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.02 fps Inflow=0.04 cfs 55 cf n=0.400 L=1,350.0' S=0.0133 '/' Capacity=22.21 cfs Outflow=0.00 cfs 25 cf
Reach 2R: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.02 fps Inflow=0.01 cfs 8 cf n=0.400 L=925.0' S=0.0124 '/' Capacity=21.45 cfs Outflow=0.00 cfs 4 cf
Reach 3R: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.02 fps Inflow=0.03 cfs 43 cf n=0.400 L=475.0' S=0.0174 '/' Capacity=20.48 cfs Outflow=0.00 cfs 37 cf
Reach 4R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.11 cfs 189 cf n=0.400 L=427.0' S=0.0281 '/' Capacity=32.25 cfs Outflow=0.01 cfs 178 cf
Reach 7R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.17 cfs 253 cf n=0.400 L=690.0' S=0.0261 '/' Capacity=31.07 cfs Outflow=0.01 cfs 206 cf
Reach 8R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.12 cfs 180 cf n=0.400 L=590.0' S=0.0305 '/' Capacity=33.60 cfs Outflow=0.01 cfs 159 cf
Reach 9R: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.00 fps Inflow=0.00 cfs 0 cf n=0.400 L=380.0' S=0.0368 '/' Capacity=19.23 cfs Outflow=0.00 cfs 0 cf
Reach 12R: OVERLAND FLOW	Avg. Flow Depth=0.05' Max Vel=0.08 fps Inflow=0.88 cfs 1,069 cf n=0.400 L=250.0' S=0.0240 '/' Capacity=29.80 cfs Outflow=0.23 cfs 1,065 cf
Reach 13R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.02 fps Inflow=0.22 cfs 298 cf n=0.400 L=660.0' S=0.0152 '/' Capacity=23.68 cfs Outflow=0.01 cfs 221 cf
Reach 14R: OVERLAND FLOW	Avg. Flow Depth=0.03' Max Vel=0.06 fps Inflow=0.66 cfs 3,102 cf n=0.400 L=940.0' S=0.0255 '/' Capacity=30.74 cfs Outflow=0.09 cfs 2,424 cf
Reach 15R: OVERLAND FLOW	Avg. Flow Depth=0.09' Max Vel=0.11 fps Inflow=0.65 cfs 9,503 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=0.50 cfs 9,047 cf
Reach 16R: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.03 fps Inflow=0.15 cfs 183 cf n=0.400 L=1,200.0' S=0.0250 '/' Capacity=30.42 cfs Outflow=0.00 cfs 112 cf
Reach 18R: OVERLAND FLOW	Avg. Flow Depth=0.06' Max Vel=0.13 fps Inflow=0.43 cfs 15,948 cf n=0.400 L=120.0' S=0.0500 '/' Capacity=44.93 cfs Outflow=0.43 cfs 15,639 cf

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Reach 20R: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.00 fps Inflow=0.00 cfs 0 cf n=0.400 L=560.0' S=0.0093 '/' Capacity=18.54 cfs Outflow=0.00 cfs 0 cf
Reach 21R: TRENCH DRAIN	Avg. Flow Depth=0.38' Max Vel=3.09 fps Inflow=0.83 cfs 2,668 cf 12.0" Round Pipe n=0.012 L=65.7' S=0.0052 '/' Capacity=2.78 cfs Outflow=0.83 cfs 2,668 cf
Reach 23R: OVERLAND FLOW	Avg. Flow Depth=0.18' Max Vel=0.09 fps Inflow=1.20 cfs 9,474 cf n=0.800 L=180.0' S=0.0278 '/' Capacity=18.32 cfs Outflow=0.89 cfs 9,152 cf
Reach R202: OVERLAND FLOW	Avg. Flow Depth=0.20' Max Vel=0.13 fps Inflow=8.59 cfs 41,727 cf n=0.400 L=700.0' S=0.0114 '/' Capacity=43.95 cfs Outflow=2.86 cfs 38,340 cf
Reach R211: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.00 fps Inflow=0.00 cfs 0 cf n=0.400 L=600.0' S=0.0087 '/' Capacity=20.47 cfs Outflow=0.00 cfs 0 cf
Pond 19R: DRIVEWAY D CROSS PIPE	Peak Elev=194.52' Storage=1,368 cf Inflow=1.42 cfs 9,692 cf 24.0" Round Culvert n=0.012 L=30.0' S=0.0050 '/' Outflow=1.20 cfs 9,474 cf
Pond CB1: CB#1	Peak Elev=208.25' Inflow=0.48 cfs 2,208 cf 12.0" Round Culvert n=0.013 L=14.1' S=0.0050 '/' Outflow=0.48 cfs 2,208 cf
Pond CB10: CB #10	Peak Elev=210.26' Inflow=0.70 cfs 2,419 cf 12.0" Round Culvert n=0.013 L=33.8' S=0.0050 '/' Outflow=0.70 cfs 2,419 cf
Pond CB11: CB #11	Peak Elev=210.39' Inflow=0.70 cfs 2,220 cf 12.0" Round Culvert n=0.013 L=26.3' S=0.0103 '/' Outflow=0.70 cfs 2,220 cf
Pond CB12: CB #12	Peak Elev=210.10' Inflow=0.46 cfs 1,452 cf 12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.46 cfs 1,452 cf
Pond CB13: CB #13	Peak Elev=210.11' Inflow=0.47 cfs 1,516 cf 12.0" Round Culvert n=0.013 L=14.6' S=0.0048 '/' Outflow=0.47 cfs 1,516 cf
Pond CB14: CB #14	Peak Elev=201.30' Inflow=0.55 cfs 1,735 cf 12.0" Round Culvert n=0.013 L=23.2' S=0.0052 '/' Outflow=0.55 cfs 1,735 cf
Pond CB15: CB #15	Peak Elev=201.23' Inflow=0.35 cfs 1,238 cf 12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/' Outflow=0.35 cfs 1,238 cf
Pond CB16: CB #16	Peak Elev=203.79' Inflow=0.32 cfs 1,009 cf 12.0" Round Culvert n=0.013 L=20.9' S=0.0067 '/' Outflow=0.32 cfs 1,009 cf
Pond CB17: CB #17	Peak Elev=205.64' Inflow=0.70 cfs 2,276 cf 12.0" Round Culvert n=0.013 L=16.3' S=0.0049 '/' Outflow=0.70 cfs 2,276 cf
Pond CB18: CB #18	Peak Elev=205.75' Inflow=1.07 cfs 3,282 cf 12.0" Round Culvert n=0.013 L=16.2' S=0.0049 '/' Outflow=1.07 cfs 3,282 cf
Pond CB19: CB #19	Peak Elev=203.56' Inflow=0.30 cfs 1,161 cf 12.0" Round Culvert n=0.013 L=61.0' S=0.0051 '/' Outflow=0.30 cfs 1,161 cf

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Pond CB2: CB#2

Peak Elev=205.50' Inflow=1.10 cfs 3,509 cf
12.0" Round Culvert n=0.013 L=92.1' S=0.0050 ' ' Outflow=1.10 cfs 3,509 cf

Pond CB20: CB #20

Peak Elev=204.58' Inflow=0.99 cfs 3,238 cf
12.0" Round Culvert n=0.013 L=30.3' S=0.0053 ' ' Outflow=0.99 cfs 3,238 cf

Pond CB21: CB #21

Peak Elev=204.86' Inflow=0.78 cfs 2,566 cf
12.0" Round Culvert n=0.013 L=26.0' S=0.0050 ' ' Outflow=0.78 cfs 2,566 cf

Pond CB22: CB #22

Peak Elev=205.81' Inflow=0.64 cfs 2,180 cf
12.0" Round Culvert n=0.012 L=16.1' S=0.0050 ' ' Outflow=0.64 cfs 2,180 cf

Pond CB23: CB #23

Peak Elev=205.66' Inflow=0.19 cfs 618 cf
12.0" Round Culvert n=0.012 L=16.3' S=0.0055 ' ' Outflow=0.19 cfs 618 cf

Pond CB24: CB #24

Peak Elev=205.50' Inflow=0.20 cfs 667 cf
12.0" Round Culvert n=0.012 L=12.1' S=0.0050 ' ' Outflow=0.20 cfs 667 cf

Pond CB25: CB #25

Peak Elev=205.70' Inflow=0.62 cfs 2,147 cf
12.0" Round Culvert n=0.012 L=11.4' S=0.0053 ' ' Outflow=0.62 cfs 2,147 cf

Pond CB26: CB #26

Peak Elev=202.32' Inflow=0.84 cfs 2,781 cf
12.0" Round Culvert n=0.013 L=42.5' S=0.0052 ' ' Outflow=0.84 cfs 2,781 cf

Pond CB27: CB #27

Peak Elev=201.48' Inflow=0.63 cfs 2,253 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0056 ' ' Outflow=0.63 cfs 2,253 cf

Pond CB28: CB #28

Peak Elev=198.35' Inflow=0.55 cfs 1,745 cf
12.0" Round Culvert n=0.013 L=13.7' S=0.0044 ' ' Outflow=0.55 cfs 1,745 cf

Pond CB29: CB #29

Peak Elev=205.84' Inflow=0.39 cfs 1,264 cf
12.0" Round Culvert n=0.013 L=13.5' S=0.0052 ' ' Outflow=0.39 cfs 1,264 cf

Pond CB3: CB#3

Peak Elev=208.38' Inflow=0.87 cfs 2,757 cf
12.0" Round Culvert n=0.013 L=10.2' S=0.0059 ' ' Outflow=0.87 cfs 2,757 cf

Pond CB30: CB #30

Peak Elev=205.92' Inflow=0.66 cfs 2,116 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 ' ' Outflow=0.66 cfs 2,116 cf

Pond CB31: CB #31

Peak Elev=204.71' Inflow=0.71 cfs 2,237 cf
12.0" Round Culvert n=0.013 L=16.4' S=0.0049 ' ' Outflow=0.71 cfs 2,237 cf

Pond CB32: CB #32

Peak Elev=204.68' Inflow=0.63 cfs 2,021 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0049 ' ' Outflow=0.63 cfs 2,021 cf

Pond CB33: CB #33

Peak Elev=205.60' Inflow=0.28 cfs 909 cf
12.0" Round Culvert n=0.013 L=11.7' S=0.0051 ' ' Outflow=0.28 cfs 909 cf

Pond CB34: CB #34

Peak Elev=205.60' Inflow=0.37 cfs 1,201 cf
12.0" Round Culvert n=0.013 L=16.5' S=0.0048 ' ' Outflow=0.37 cfs 1,201 cf

Pond CB35: CB #35

Peak Elev=207.31' Inflow=0.21 cfs 731 cf
12.0" Round Culvert n=0.013 L=15.2' S=0.0053 ' ' Outflow=0.21 cfs 731 cf

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Pond CB36: CB #36

Peak Elev=207.44' Inflow=0.44 cfs 1,576 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 '/' Outflow=0.44 cfs 1,576 cf

Pond CB37: CB #37

Peak Elev=209.21' Inflow=0.08 cfs 290 cf
12.0" Round Culvert n=0.013 L=77.2' S=0.0098 '/' Outflow=0.08 cfs 290 cf

Pond CB38: CB #38

Peak Elev=210.39' Inflow=1.19 cfs 3,796 cf
12.0" Round Culvert n=0.012 L=22.4' S=0.0094 '/' Outflow=1.19 cfs 3,796 cf

Pond CB39: CB #39

Peak Elev=210.17' Inflow=0.55 cfs 1,966 cf
12.0" Round Culvert n=0.013 L=17.3' S=0.0052 '/' Outflow=0.55 cfs 1,966 cf

Pond CB4: CB#4

Peak Elev=212.44' Inflow=0.55 cfs 2,933 cf
15.0" Round Culvert n=0.012 L=13.1' S=0.0046 '/' Outflow=0.55 cfs 2,933 cf

Pond CB40: CB #40

Peak Elev=214.09' Inflow=0.32 cfs 1,151 cf
12.0" Round Culvert n=0.013 L=26.7' S=0.0049 '/' Outflow=0.32 cfs 1,151 cf

Pond CB41: CB #41

Peak Elev=214.39' Inflow=0.66 cfs 2,099 cf
12.0" Round Culvert n=0.013 L=18.4' S=0.0049 '/' Outflow=0.66 cfs 2,099 cf

Pond CB42: CB #42

Peak Elev=218.20' Inflow=0.31 cfs 1,017 cf
12.0" Round Culvert n=0.013 L=58.1' S=0.0076 '/' Outflow=0.31 cfs 1,017 cf

Pond CB43: CB #43

Peak Elev=220.33' Inflow=0.25 cfs 790 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 '/' Outflow=0.25 cfs 790 cf

Pond CB44: CB #44

Peak Elev=220.27' Inflow=0.12 cfs 420 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 '/' Outflow=0.12 cfs 420 cf

Pond CB45: CB #45

Peak Elev=221.52' Inflow=0.15 cfs 533 cf
12.0" Round Culvert n=0.013 L=18.2' S=0.0049 '/' Outflow=0.15 cfs 533 cf

Pond CB46: CB #46

Peak Elev=221.71' Inflow=0.10 cfs 347 cf
12.0" Round Culvert n=0.013 L=15.3' S=0.0052 '/' Outflow=0.10 cfs 347 cf

Pond CB47: CB#47

Peak Elev=225.28' Inflow=0.21 cfs 760 cf
12.0" Round Culvert n=0.012 L=20.9' S=0.0373 '/' Outflow=0.21 cfs 760 cf

Pond CB48: CB#48

Peak Elev=224.95' Inflow=1.02 cfs 4,337 cf
15.0" Round Culvert n=0.012 L=16.9' S=0.0278 '/' Outflow=1.02 cfs 4,337 cf

Pond CB49: CB#49

Peak Elev=216.47' Inflow=0.12 cfs 420 cf
12.0" Round Culvert n=0.012 L=15.4' S=0.0156 '/' Outflow=0.12 cfs 420 cf

Pond CB5: CB#5

Peak Elev=212.29' Inflow=0.10 cfs 368 cf
12.0" Round Culvert n=0.012 L=30.5' S=0.0049 '/' Outflow=0.10 cfs 368 cf

Pond CB50: CB#50

Peak Elev=215.54' Inflow=0.14 cfs 494 cf
12.0" Round Culvert n=0.012 L=17.3' S=0.0497 '/' Outflow=0.14 cfs 494 cf

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Pond CB6: CB#6Peak Elev=212.56' Inflow=0.12 cfs 431 cf
12.0" Round Culvert n=0.012 L=38.3' S=0.0112 '/' Outflow=0.12 cfs 431 cf**Pond CB7: CB#7**Peak Elev=214.95' Inflow=0.46 cfs 1,475 cf
12.0" Round Culvert n=0.013 L=104.0' S=0.0088 '/' Outflow=0.46 cfs 1,475 cf**Pond CB8: CB#8**Peak Elev=214.52' Inflow=0.56 cfs 2,782 cf
12.0" Round Culvert n=0.013 L=12.1' S=0.0050 '/' Outflow=0.56 cfs 2,782 cf**Pond CB9: CB #9**Peak Elev=210.58' Inflow=0.89 cfs 2,898 cf
12.0" Round Culvert n=0.013 L=19.9' S=0.0196 '/' Outflow=0.89 cfs 2,898 cf**Pond D1: DMH#1**Peak Elev=203.94' Inflow=4.77 cfs 22,473 cf
30.0" Round Culvert n=0.013 L=24.6' S=0.0049 '/' Outflow=4.77 cfs 22,473 cf**Pond D10: DMH #10**Peak Elev=202.88' Inflow=2.08 cfs 6,567 cf
18.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/' Outflow=2.08 cfs 6,567 cf**Pond D11: DMH #11**Peak Elev=205.44' Inflow=1.76 cfs 5,558 cf
15.0" Round Culvert n=0.013 L=246.5' S=0.0070 '/' Outflow=1.76 cfs 5,558 cf**Pond D12: DMH #12**Peak Elev=204.08' Inflow=1.76 cfs 5,805 cf
12.0" Round Culvert n=0.013 L=41.9' S=0.0050 '/' Outflow=1.76 cfs 5,805 cf**Pond D13: DMH #13**Peak Elev=202.90' Inflow=3.70 cfs 12,578 cf
24.0" Round Culvert n=0.013 L=60.1' S=0.0050 '/' Outflow=3.70 cfs 12,578 cf**Pond D14: DMH #14**Peak Elev=204.96' Inflow=1.65 cfs 5,612 cf
15.0" Round Culvert n=0.012 L=246.6' S=0.0050 '/' Outflow=1.65 cfs 5,612 cf**Pond D16: DMH #16**Peak Elev=205.42' Inflow=0.81 cfs 2,815 cf
15.0" Round Culvert n=0.012 L=103.5' S=0.0050 '/' Outflow=0.81 cfs 2,815 cf**Pond D17: DMH #17**Peak Elev=201.20' Inflow=1.47 cfs 5,034 cf
12.0" Round Culvert n=0.013 L=91.6' S=0.0312 '/' Outflow=1.47 cfs 5,034 cf**Pond D18: DMH #18**Peak Elev=198.27' Inflow=2.02 cfs 6,779 cf
15.0" Round Culvert n=0.013 L=51.4' S=0.0051 '/' Outflow=2.02 cfs 6,779 cf**Pond D19: DMH #19**Peak Elev=205.75' Inflow=1.05 cfs 3,381 cf
12.0" Round Culvert n=0.013 L=82.5' S=0.0092 '/' Outflow=1.05 cfs 3,381 cf**Pond D2: DMH#2**Peak Elev=207.05' Inflow=3.74 cfs 18,964 cf
30.0" Round Culvert n=0.013 L=129.9' S=0.0145 '/' Outflow=3.74 cfs 18,964 cf**Pond D20: DMH #20**Peak Elev=204.96' Inflow=1.05 cfs 3,381 cf
12.0" Round Culvert n=0.013 L=63.5' S=0.0049 '/' Outflow=1.05 cfs 3,381 cf**Pond D21: DMH #21**Peak Elev=203.97' Inflow=3.77 cfs 12,346 cf
24.0" Round Culvert n=0.013 L=72.4' S=0.0050 '/' Outflow=3.77 cfs 12,346 cf**Pond D22: DMH #22**Peak Elev=205.47' Inflow=1.38 cfs 4,707 cf
15.0" Round Culvert n=0.013 L=134.2' S=0.0071 '/' Outflow=1.38 cfs 4,707 cf

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Pond D23: DMH #23	Peak Elev=207.10' Inflow=0.73 cfs 2,597 cf 15.0" Round Culvert n=0.013 L=173.3' S=0.0100 ' ' Outflow=0.73 cfs 2,597 cf
Pond D24: DMH #24	Peak Elev=208.36' Inflow=0.08 cfs 290 cf 12.0" Round Culvert n=0.013 L=140.9' S=0.0077 ' ' Outflow=0.08 cfs 290 cf
Pond D25: DMH #25	Peak Elev=208.75' Inflow=3.65 cfs 12,120 cf 18.0" Round Culvert n=0.012 L=165.0' S=0.0050 ' ' Outflow=3.65 cfs 12,120 cf
Pond D26: DMH #26	Peak Elev=207.36' Inflow=3.65 cfs 12,120 cf 24.0" Round Culvert n=0.013 L=72.0' S=0.0050 ' ' Outflow=3.65 cfs 12,120 cf
Pond D27: DMH #27	Peak Elev=213.98' Inflow=1.90 cfs 6,358 cf 15.0" Round Culvert n=0.012 L=247.1' S=0.0195 ' ' Outflow=1.90 cfs 6,358 cf
Pond D28: DMH #28	Peak Elev=217.57' Inflow=0.92 cfs 3,108 cf 15.0" Round Culvert n=0.013 L=189.5' S=0.0196 ' ' Outflow=0.92 cfs 3,108 cf
Pond D29: DMH #29	Peak Elev=220.22' Inflow=0.61 cfs 2,091 cf 12.0" Round Culvert n=0.013 L=118.4' S=0.0193 ' ' Outflow=0.61 cfs 2,091 cf
Pond D3: DMH#3	Peak Elev=211.58' Inflow=2.67 cfs 13,999 cf 24.0" Round Culvert n=0.012 L=282.0' S=0.0146 ' ' Outflow=2.67 cfs 13,999 cf
Pond D30: DMH #30	Peak Elev=221.21' Inflow=0.25 cfs 880 cf 12.0" Round Culvert n=0.013 L=184.2' S=0.0050 ' ' Outflow=0.25 cfs 880 cf
Pond D31: DMH#31	Peak Elev=224.46' Inflow=1.17 cfs 5,097 cf 15.0" Round Culvert n=0.012 L=158.7' S=0.0598 ' ' Outflow=1.17 cfs 5,097 cf
Pond D32: DMH#32	Peak Elev=214.88' Inflow=1.38 cfs 6,011 cf 15.0" Round Culvert n=0.012 L=122.0' S=0.0050 ' ' Outflow=1.38 cfs 6,011 cf
Pond D4: DMH#4	Peak Elev=213.29' Inflow=2.16 cfs 10,267 cf 24.0" Round Culvert n=0.012 L=131.1' S=0.0125 ' ' Outflow=2.16 cfs 10,267 cf
Pond D5: DMH #5	Peak Elev=209.89' Inflow=2.28 cfs 7,537 cf 18.0" Round Culvert n=0.013 L=183.0' S=0.0050 ' ' Outflow=2.28 cfs 7,537 cf
Pond D6: DMH #6	Peak Elev=208.85' Inflow=2.28 cfs 7,537 cf 18.0" Round Culvert n=0.013 L=299.7' S=0.0050 ' ' Outflow=2.28 cfs 7,537 cf
Pond D7: DMH #7	Peak Elev=206.83' Inflow=3.22 cfs 10,505 cf 24.0" Round Culvert n=0.013 L=101.8' S=0.0050 ' ' Outflow=3.22 cfs 10,505 cf
Pond D8: DMH #8	Peak Elev=201.15' Inflow=0.90 cfs 2,973 cf 12.0" Round Culvert n=0.013 L=87.7' S=0.0050 ' ' Outflow=0.90 cfs 2,973 cf
Pond D9: DMH #9	Peak Elev=200.62' Inflow=0.90 cfs 2,973 cf 12.0" Round Culvert n=0.013 L=11.9' S=0.0050 ' ' Outflow=0.90 cfs 2,973 cf

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Pond DE1: DRIP #1Peak Elev=223.58' Storage=205 cf Inflow=0.18 cfs 596 cf
Discarded=0.02 cfs 582 cf Primary=0.01 cfs 14 cf Outflow=0.03 cfs 596 cf**Pond DE10: DRIP #10**Peak Elev=213.59' Storage=186 cf Inflow=0.16 cfs 550 cf
Discarded=0.02 cfs 534 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 550 cf**Pond DE11: DRIP #11**Peak Elev=212.61' Storage=208 cf Inflow=0.18 cfs 619 cf
Discarded=0.02 cfs 597 cf Primary=0.02 cfs 22 cf Outflow=0.04 cfs 619 cf**Pond DE12: DRIP #12**Peak Elev=212.09' Storage=160 cf Inflow=0.23 cfs 779 cf
Discarded=0.02 cfs 581 cf Primary=0.16 cfs 198 cf Outflow=0.17 cfs 779 cf**Pond DE13: DRIP #13**Peak Elev=211.77' Storage=272 cf Inflow=0.28 cfs 962 cf
Discarded=0.02 cfs 821 cf Primary=0.09 cfs 141 cf Outflow=0.12 cfs 961 cf**Pond DE14: DRIP #14**Peak Elev=209.99' Storage=186 cf Inflow=0.16 cfs 550 cf
Discarded=0.02 cfs 534 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 550 cf**Pond DE15: DRIP #15**Peak Elev=208.94' Storage=133 cf Inflow=0.13 cfs 418 cf
Discarded=0.02 cfs 418 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 418 cf**Pond DE16: DRIP #16**Peak Elev=208.89' Storage=186 cf Inflow=0.16 cfs 550 cf
Discarded=0.02 cfs 534 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 550 cf**Pond DE17: DRIP #17**Peak Elev=204.15' Storage=117 cf Inflow=0.11 cfs 366 cf
Discarded=0.02 cfs 366 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 366 cf**Pond DE18: DRIP #18**Peak Elev=206.24' Storage=186 cf Inflow=0.16 cfs 530 cf
Discarded=0.02 cfs 530 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 530 cf**Pond DE19: DRIP #19**Peak Elev=207.00' Storage=164 cf Inflow=0.15 cfs 471 cf
Discarded=0.02 cfs 471 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 471 cf**Pond DE2: DRIP #2**Peak Elev=222.84' Storage=122 cf Inflow=0.12 cfs 387 cf
Discarded=0.02 cfs 387 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 387 cf**Pond DE20: DRIP #20**Peak Elev=206.55' Storage=30 cf Inflow=0.11 cfs 357 cf
Discarded=0.06 cfs 357 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 357 cf**Pond DE21: DRIP #21**Peak Elev=207.05' Storage=39 cf Inflow=0.12 cfs 379 cf
Discarded=0.05 cfs 380 cf Primary=0.00 cfs 0 cf Outflow=0.05 cfs 380 cf**Pond DE22: DRIP #22**Peak Elev=208.91' Storage=162 cf Inflow=0.23 cfs 779 cf
Discarded=0.05 cfs 779 cf Primary=0.00 cfs 0 cf Outflow=0.05 cfs 779 cf**Pond DE23: DRIP #23**Peak Elev=208.71' Storage=78 cf Inflow=0.16 cfs 527 cf
Discarded=0.05 cfs 529 cf Primary=0.00 cfs 0 cf Outflow=0.05 cfs 529 cf**Pond DE24: DRIP #24**Peak Elev=209.30' Storage=91 cf Inflow=0.18 cfs 619 cf
Discarded=0.06 cfs 619 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 619 cf**Pond DE25: DRIP #25**Peak Elev=210.91' Storage=208 cf Inflow=0.18 cfs 619 cf
Discarded=0.02 cfs 597 cf Primary=0.02 cfs 22 cf Outflow=0.04 cfs 619 cf

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Pond DE26: DRIP #26Peak Elev=211.61' Storage=176 cf Inflow=0.16 cfs 527 cf
Discarded=0.02 cfs 507 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 527 cf**Pond DE27: DRIP #27**Peak Elev=212.40' Storage=94 cf Inflow=0.16 cfs 550 cf
Discarded=0.02 cfs 418 cf Primary=0.11 cfs 131 cf Outflow=0.13 cfs 550 cf**Pond DE28: DRIP #28**Peak Elev=213.09' Storage=186 cf Inflow=0.16 cfs 550 cf
Discarded=0.02 cfs 534 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 550 cf**Pond DE29: DRIP #29**Peak Elev=213.22' Storage=124 cf Inflow=0.16 cfs 528 cf
Discarded=0.02 cfs 442 cf Primary=0.07 cfs 85 cf Outflow=0.08 cfs 528 cf**Pond DE3: DRIP #3**Peak Elev=222.39' Storage=174 cf Inflow=0.15 cfs 508 cf
Discarded=0.02 cfs 494 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 508 cf**Pond DE30: DRIP #30**Peak Elev=213.46' Storage=163 cf Inflow=0.18 cfs 619 cf
Discarded=0.02 cfs 540 cf Primary=0.06 cfs 79 cf Outflow=0.08 cfs 619 cf**Pond DE31: DRIP #31**Peak Elev=213.59' Storage=211 cf Inflow=0.19 cfs 621 cf
Discarded=0.02 cfs 605 cf Primary=0.01 cfs 16 cf Outflow=0.03 cfs 621 cf**Pond DE32: DRIP #32**Peak Elev=213.01' Storage=176 cf Inflow=0.16 cfs 527 cf
Discarded=0.02 cfs 507 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 527 cf**Pond DE33: DRIP #33**Peak Elev=211.74' Storage=133 cf Inflow=0.13 cfs 418 cf
Discarded=0.02 cfs 418 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 418 cf**Pond DE34: DRIP #34**Peak Elev=212.05' Storage=270 cf Inflow=0.28 cfs 926 cf
Discarded=0.02 cfs 799 cf Primary=0.08 cfs 127 cf Outflow=0.11 cfs 926 cf**Pond DE35: DRIP #35**Peak Elev=210.75' Storage=270 cf Inflow=0.28 cfs 926 cf
Discarded=0.02 cfs 799 cf Primary=0.08 cfs 127 cf Outflow=0.11 cfs 926 cf**Pond DE36: DRIP #36**Peak Elev=208.39' Storage=160 cf Inflow=0.23 cfs 779 cf
Discarded=0.02 cfs 581 cf Primary=0.16 cfs 198 cf Outflow=0.17 cfs 779 cf**Pond DE37: DRIP #37**Peak Elev=209.37' Storage=159 cf Inflow=0.22 cfs 751 cf
Discarded=0.02 cfs 565 cf Primary=0.15 cfs 185 cf Outflow=0.17 cfs 751 cf**Pond DE38: DRIP #39**Peak Elev=210.58' Storage=205 cf Inflow=0.18 cfs 596 cf
Discarded=0.02 cfs 582 cf Primary=0.01 cfs 14 cf Outflow=0.03 cfs 596 cf**Pond DE39: DRIP #39**Peak Elev=211.59' Storage=174 cf Inflow=0.15 cfs 508 cf
Discarded=0.02 cfs 494 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 508 cf**Pond DE4: DRIP #4**Peak Elev=220.58' Storage=205 cf Inflow=0.18 cfs 596 cf
Discarded=0.02 cfs 582 cf Primary=0.01 cfs 14 cf Outflow=0.03 cfs 596 cf**Pond DE40: DRIP #40**Peak Elev=212.58' Storage=205 cf Inflow=0.18 cfs 596 cf
Discarded=0.02 cfs 582 cf Primary=0.01 cfs 14 cf Outflow=0.03 cfs 596 cf

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Pond DE41: DRIP #41Peak Elev=213.58' Storage=205 cf Inflow=0.18 cfs 596 cf
Discarded=0.02 cfs 582 cf Primary=0.01 cfs 14 cf Outflow=0.03 cfs 596 cf**Pond DE42: DRIP #42**Peak Elev=214.56' Storage=183 cf Inflow=0.16 cfs 529 cf
Discarded=0.02 cfs 521 cf Primary=0.01 cfs 8 cf Outflow=0.02 cfs 529 cf**Pond DE43: DRIP #43**Peak Elev=215.59' Storage=174 cf Inflow=0.15 cfs 508 cf
Discarded=0.02 cfs 494 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 508 cf**Pond DE44: DRIP #44**Peak Elev=217.58' Storage=205 cf Inflow=0.18 cfs 596 cf
Discarded=0.02 cfs 582 cf Primary=0.01 cfs 14 cf Outflow=0.03 cfs 596 cf**Pond DE45: DRIP #45**Peak Elev=218.59' Storage=174 cf Inflow=0.15 cfs 508 cf
Discarded=0.02 cfs 494 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 508 cf**Pond DE47: DRIP #47**Peak Elev=218.37' Storage=160 cf Inflow=0.22 cfs 751 cf
Discarded=0.02 cfs 568 cf Primary=0.15 cfs 183 cf Outflow=0.16 cfs 751 cf**Pond DE48: DRIP #48**Peak Elev=216.04' Storage=122 cf Inflow=0.12 cfs 387 cf
Discarded=0.02 cfs 387 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 387 cf**Pond DE49: DRIP #49**Peak Elev=214.56' Storage=183 cf Inflow=0.16 cfs 529 cf
Discarded=0.02 cfs 521 cf Primary=0.01 cfs 8 cf Outflow=0.02 cfs 529 cf**Pond DE5: DRIP #5**Peak Elev=220.19' Storage=174 cf Inflow=0.15 cfs 508 cf
Discarded=0.02 cfs 494 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 508 cf**Pond DE6: DRIP #6**Peak Elev=212.06' Storage=189 cf Inflow=0.16 cfs 552 cf
Discarded=0.02 cfs 544 cf Primary=0.01 cfs 8 cf Outflow=0.02 cfs 552 cf**Pond DE61: DRIP #61**Peak Elev=213.06' Storage=240 cf Inflow=0.38 cfs 1,273 cf
Discarded=0.04 cfs 975 cf Primary=0.22 cfs 298 cf Outflow=0.26 cfs 1,273 cf**Pond DE62: DRIP #62**Peak Elev=213.06' Storage=240 cf Inflow=0.38 cfs 1,273 cf
Discarded=0.04 cfs 975 cf Primary=0.22 cfs 298 cf Outflow=0.26 cfs 1,273 cf**Pond DE63: DRIP #63**Peak Elev=207.80' Storage=132 cf Inflow=0.23 cfs 773 cf
Discarded=0.02 cfs 589 cf Primary=0.16 cfs 185 cf Outflow=0.18 cfs 773 cf**Pond DE64: DRIP #64**Peak Elev=206.09' Storage=209 cf Inflow=0.29 cfs 962 cf
Discarded=0.03 cfs 773 cf Primary=0.15 cfs 190 cf Outflow=0.18 cfs 962 cf**Pond DE65: DRIP #65**Peak Elev=206.80' Storage=132 cf Inflow=0.23 cfs 773 cf
Discarded=0.02 cfs 588 cf Primary=0.16 cfs 185 cf Outflow=0.18 cfs 773 cf**Pond DE66: DRIP #66**Peak Elev=208.65' Storage=157 cf Inflow=0.29 cfs 958 cf
Discarded=0.03 cfs 703 cf Primary=0.21 cfs 255 cf Outflow=0.24 cfs 958 cf**Pond DE67: DRIP #67**Peak Elev=208.85' Storage=157 cf Inflow=0.29 cfs 958 cf
Discarded=0.03 cfs 703 cf Primary=0.21 cfs 255 cf Outflow=0.24 cfs 958 cf**Pond DE68: DRIP #68**Peak Elev=207.87' Storage=244 cf Inflow=0.39 cfs 1,322 cf
Discarded=0.04 cfs 1,006 cf Primary=0.23 cfs 316 cf Outflow=0.27 cfs 1,322 cf

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Pond DE69: DRIP #69Peak Elev=206.35' Storage=163 cf Inflow=0.29 cfs 962 cf
Discarded=0.03 cfs 716 cf Primary=0.20 cfs 246 cf Outflow=0.23 cfs 962 cf**Pond DE7: DRIP #7**Peak Elev=211.64' Storage=133 cf Inflow=0.13 cfs 418 cf
Discarded=0.02 cfs 418 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 418 cf**Pond DE70: DRIP #70**Peak Elev=206.75' Storage=163 cf Inflow=0.29 cfs 962 cf
Discarded=0.03 cfs 716 cf Primary=0.20 cfs 246 cf Outflow=0.23 cfs 962 cf**Pond DE71: DRIP #71**Peak Elev=207.38' Storage=243 cf Inflow=0.39 cfs 1,322 cf
Discarded=0.04 cfs 1,006 cf Primary=0.23 cfs 316 cf Outflow=0.27 cfs 1,322 cf**Pond DE8: DRIP #8**Peak Elev=213.21' Storage=176 cf Inflow=0.16 cfs 527 cf
Discarded=0.02 cfs 507 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 527 cf**Pond DE9: DRIP #9**Peak Elev=213.51' Storage=208 cf Inflow=0.18 cfs 619 cf
Discarded=0.02 cfs 597 cf Primary=0.02 cfs 22 cf Outflow=0.04 cfs 619 cf**Pond DECH: DRIP #CH**Peak Elev=208.86' Storage=220 cf Inflow=0.35 cfs 1,157 cf
Discarded=0.04 cfs 889 cf Primary=0.18 cfs 268 cf Outflow=0.22 cfs 1,157 cf**Pond P204: STORMTECH INFILTRATION**Peak Elev=204.02' Storage=3,268 cf Inflow=1.76 cfs 6,007 cf
Discarded=0.06 cfs 3,645 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 3,645 cf**Pond P205: EXTENDED DETENTION**Peak Elev=199.21' Storage=23,111 cf Inflow=5.41 cfs 27,028 cf
Outflow=0.43 cfs 15,948 cf**Pond P206: STORMTECH INFILTRATION**Peak Elev=195.83' Storage=4,476 cf Inflow=4.64 cfs 15,795 cf
Discarded=0.17 cfs 10,121 cf Primary=2.45 cfs 5,298 cf Outflow=2.62 cfs 15,418 cf**Pond P207: INFILTRATION POND #2**Peak Elev=196.25' Storage=10,907 cf Inflow=7.67 cfs 25,298 cf
Discarded=0.63 cfs 23,420 cf Primary=0.27 cfs 1,255 cf Outflow=0.89 cfs 24,675 cf**Pond P210: EXTENDED DETENTION**Peak Elev=202.73' Storage=13,171 cf Inflow=5.02 cfs 16,473 cf
Outflow=0.65 cfs 9,503 cf**Pond P212: INFILTRATION POND #1**Peak Elev=201.27' Storage=14,554 cf Inflow=10.26 cfs 40,730 cf
Discarded=1.58 cfs 40,719 cf Primary=0.00 cfs 0 cf Outflow=1.58 cfs 40,719 cf**Link AP1: ANALYSIS POINT 1**Inflow=0.70 cfs 2,238 cf
Primary=0.70 cfs 2,238 cf**Link AP2: ANALYSIS POINT 2**Inflow=7.81 cfs 79,346 cf
Primary=7.81 cfs 79,346 cf**Link AP3: ANALYSIS POINT 3**Inflow=1.28 cfs 4,233 cf
Primary=1.28 cfs 4,233 cf**Link AP4: ANALYSIS POINT #4**Inflow=8.25 cfs 68,748 cf
Primary=8.25 cfs 68,748 cf

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Total Runoff Area = 2,573,920 sf Runoff Volume = 294,950 cf Average Runoff Depth = 1.38"
76.95% Pervious = 1,980,611 sf 23.05% Impervious = 593,309 sf

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 1.79 cfs @ 12.09 hrs, Volume= 6,349 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
21,440	98	Roofs, HSG C
3,659	98	Roofs, HSG D
25,099	98	Weighted Average
25,099		100.00% Impervious Area

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

Summary for Subcatchment B2: MULTIFAMILY BLDG #2

Runoff = 1.25 cfs @ 12.09 hrs, Volume= 4,452 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
7,721	98	Roofs, HSG A
9,881	98	Roofs, HSG C
17,602	98	Weighted Average
17,602		100.00% Impervious Area

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

Summary for Subcatchment C1: CB #1

Runoff = 0.48 cfs @ 12.25 hrs, Volume= 2,208 cf, Depth> 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
9,297	61	>75% Grass cover, Good, HSG B
6,129	98	Paved parking, HSG B
11,904	68	1 acre lots, 20% imp, HSG B
27,330	72	Weighted Average
18,820		68.86% Pervious Area
8,510		31.14% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
1.4	60	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.1	89	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
1.4	214	0.0150	2.49		Shallow Concentrated Flow, Paved Kv= 20.3 fps
16.1	413	Total			

Summary for Subcatchment C10: CB #10

Runoff = 0.70 cfs @ 12.09 hrs, Volume= 2,419 cf, Depth> 2.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
352	98	Paved parking, HSG B
483	74	>75% Grass cover, Good, HSG C
7,603	98	Paved parking, HSG C
68	80	>75% Grass cover, Good, HSG D
1,419	98	Paved parking, HSG D
9,925	97	Weighted Average
551		5.55% Pervious Area
9,374		94.45% Impervious Area

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

Summary for Subcatchment C11: CB #11

Runoff = 0.70 cfs @ 12.09 hrs, Volume= 2,220 cf, Depth> 1.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
7,228	74	>75% Grass cover, Good, HSG C
6,837	98	Paved parking, HSG C
14,065	86	Weighted Average
7,228		51.39% Pervious Area
6,837		48.61% Impervious Area

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

Summary for Subcatchment C12: CB #12

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,452 cf, Depth> 1.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
5,036	74	>75% Grass cover, Good, HSG C
4,562	98	Paved parking, HSG C
9,598	85	Weighted Average
5,036		52.47% Pervious Area
4,562		47.53% Impervious Area

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

Summary for Subcatchment C13: CB #13

Runoff = 0.47 cfs @ 12.09 hrs, Volume= 1,516 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,272	74	>75% Grass cover, Good, HSG C
5,561	98	Paved parking, HSG C
7,833	91	Weighted Average
2,272		29.01% Pervious Area
5,561		70.99% Impervious Area

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

Summary for Subcatchment C14: CB #14

Runoff = 0.55 cfs @ 12.09 hrs, Volume= 1,735 cf, Depth> 1.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
2,861	39	>75% Grass cover, Good, HSG A
7,490	98	Paved parking, HSG A
643	74	>75% Grass cover, Good, HSG C
1,510	98	Paved parking, HSG C
12,504	83	Weighted Average
3,504		28.02% Pervious Area
9,000		71.98% Impervious Area

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

Summary for Subcatchment C15: CB #15

Runoff = 0.35 cfs @ 12.09 hrs, Volume= 1,238 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4,739	98	Paved parking, HSG A
156	98	Paved parking, HSG C
4,895	98	Weighted Average
4,895		100.00% Impervious Area

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

Summary for Subcatchment C16: CB #16

Runoff = 0.32 cfs @ 12.10 hrs, Volume= 1,009 cf, Depth> 1.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,377	39	>75% Grass cover, Good, HSG A
4,346	98	Paved parking, HSG A
457	74	>75% Grass cover, Good, HSG C
1,146	98	Paved parking, HSG C
8,326	80	Weighted Average
2,834		34.04% Pervious Area
5,492		65.96% Impervious Area

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

Summary for Subcatchment C17: CB #17

Runoff = 0.70 cfs @ 12.09 hrs, Volume= 2,276 cf, Depth> 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,927	74	>75% Grass cover, Good, HSG C
8,382	98	Paved parking, HSG C
11,309	92	Weighted Average
2,927		25.88% Pervious Area
8,382		74.12% Impervious Area

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

Summary for Subcatchment C18: CB #18

Runoff = 0.95 cfs @ 12.09 hrs, Volume= 3,014 cf, Depth> 1.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
9,888	74	>75% Grass cover, Good, HSG C
9,204	98	Paved parking, HSG C
19,092	86	Weighted Average
9,888		51.79% Pervious Area
9,204		48.21% Impervious Area

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

Summary for Subcatchment C2: CB #2

Runoff = 1.10 cfs @ 12.09 hrs, Volume= 3,509 cf, Depth> 2.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
2,274	61	>75% Grass cover, Good, HSG B
7,470	98	Paved parking, HSG B
2,699	74	>75% Grass cover, Good, HSG C
6,426	98	Paved parking, HSG C
18,869	90	Weighted Average
4,973		26.36% Pervious Area
13,896		73.64% Impervious Area

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

Summary for Subcatchment C20: CB #20

Runoff = 0.99 cfs @ 12.09 hrs, Volume= 3,238 cf, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
274	39	>75% Grass cover, Good, HSG A
4,262	98	Paved parking, HSG A
2,415	74	>75% Grass cover, Good, HSG C
7,955	98	Paved parking, HSG C
353	80	>75% Grass cover, Good, HSG D
215	98	Paved parking, HSG D
15,474	93	Weighted Average
3,042		19.66% Pervious Area
12,432		80.34% Impervious Area

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

Summary for Subcatchment C21: CB #21

Runoff = 0.78 cfs @ 12.09 hrs, Volume= 2,566 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
768	39	>75% Grass cover, Good, HSG A
10,202	98	Paved parking, HSG A
830	98	Paved parking, HSG C
11,800	94	Weighted Average
768		6.51% Pervious Area
11,032		93.49% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment C22: CB #22

Runoff = 0.64 cfs @ 12.09 hrs, Volume= 2,180 cf, Depth> 2.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
272	98	Paved parking, HSG A
2,489	98	Paved parking, HSG C
1,141	80	>75% Grass cover, Good, HSG D
5,385	98	Paved parking, HSG D
9,287	96	Weighted Average
1,141		12.29% Pervious Area
8,146		87.71% Impervious Area

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

Summary for Subcatchment C23: CB #23

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 618 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
146	98	Paved parking, HSG A
1,177	80	>75% Grass cover, Good, HSG D
1,871	98	Paved parking, HSG D
3,194	91	Weighted Average
1,177		36.85% Pervious Area
2,017		63.15% Impervious Area

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

Summary for Subcatchment C24: CB #24

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 667 cf, Depth> 2.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
328	80	>75% Grass cover, Good, HSG D
2,515	98	Paved parking, HSG D
2,843	96	Weighted Average
328		11.54% Pervious Area
2,515		88.46% Impervious Area

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

Summary for Subcatchment C25: CB #25

Runoff = 0.62 cfs @ 12.09 hrs, Volume= 2,147 cf, Depth> 2.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3	98	Paved parking, HSG A
15	74	>75% Grass cover, Good, HSG C
300	98	Paved parking, HSG C
335	80	>75% Grass cover, Good, HSG D
8,159	98	Paved parking, HSG D
8,812	97	Weighted Average
350		3.97% Pervious Area
8,462		96.03% Impervious Area

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

Summary for Subcatchment C26: CB #26

Runoff = 0.84 cfs @ 12.09 hrs, Volume= 2,781 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,187	80	>75% Grass cover, Good, HSG D
9,600	98	Paved parking, HSG D
12,787	94	Weighted Average
3,187		24.92% Pervious Area
9,600		75.08% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment C27: CB #27

Runoff = 0.63 cfs @ 12.09 hrs, Volume= 2,253 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
776	98	Paved parking, HSG A
8,130	98	Paved parking, HSG D
8,906	98	Weighted Average
8,906		100.00% Impervious Area

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

Summary for Subcatchment C28: CB #28

Runoff = 0.55 cfs @ 12.09 hrs, Volume= 1,745 cf, Depth> 2.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,750	74	>75% Grass cover, Good, HSG C
2,843	98	Paved parking, HSG C
2,097	80	>75% Grass cover, Good, HSG D
2,483	98	Paved parking, HSG D
10,173	88	Weighted Average
4,847		47.65% Pervious Area
5,326		52.35% Impervious Area

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

Summary for Subcatchment C29: CB #29

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,264 cf, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
1,194	74	>75% Grass cover, Good, HSG C
4,848	98	Paved parking, HSG C
6,042	93	Weighted Average
1,194		19.76% Pervious Area
4,848		80.24% Impervious Area

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

Summary for Subcatchment C3: CB #3

Runoff = 0.87 cfs @ 12.09 hrs, Volume= 2,757 cf, Depth> 2.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4,139	61	>75% Grass cover, Good, HSG B
11,935	98	Paved parking, HSG B
16,074	88	Weighted Average
4,139		25.75% Pervious Area
11,935		74.25% Impervious Area

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

Summary for Subcatchment C30: CB #30

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,116 cf, Depth> 2.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4,358	74	>75% Grass cover, Good, HSG C
7,488	98	Paved parking, HSG C
11,846	89	Weighted Average
4,358		36.79% Pervious Area
7,488		63.21% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment C31: CB #31

Runoff = 0.71 cfs @ 12.09 hrs, Volume= 2,237 cf, Depth> 2.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
5,425	74	>75% Grass cover, Good, HSG C
7,617	98	Paved parking, HSG C
13,042	88	Weighted Average
5,425		41.60% Pervious Area
7,617		58.40% Impervious Area

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

Summary for Subcatchment C32: CB #32

Runoff = 0.63 cfs @ 12.09 hrs, Volume= 2,021 cf, Depth> 2.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,762	74	>75% Grass cover, Good, HSG C
7,106	98	Paved parking, HSG C
10,868	90	Weighted Average
3,762		34.62% Pervious Area
7,106		65.38% Impervious Area

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

Summary for Subcatchment C33: CB #33

Runoff = 0.28 cfs @ 12.09 hrs, Volume= 909 cf, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
890	74	>75% Grass cover, Good, HSG C
3,452	98	Paved parking, HSG C
4,342	93	Weighted Average
890		20.50% Pervious Area
3,452		79.50% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment C34: CB #34

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,201 cf, Depth> 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,451	74	>75% Grass cover, Good, HSG C
4,516	98	Paved parking, HSG C
5,967	92	Weighted Average
1,451		24.32% Pervious Area
4,516		75.68% Impervious Area

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

Summary for Subcatchment C35: CB #35

Runoff = 0.21 cfs @ 12.09 hrs, Volume= 731 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,891	98	Paved parking, HSG C
2,891		100.00% Impervious Area

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

Summary for Subcatchment C36: CB #36

Runoff = 0.44 cfs @ 12.09 hrs, Volume= 1,576 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
6,229	98	Paved parking, HSG C
6,229		100.00% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment C37: CB #37

Runoff = 0.08 cfs @ 12.09 hrs, Volume= 290 cf, Depth> 2.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4	74	>75% Grass cover, Good, HSG C
639	98	Paved parking, HSG C
65	80	>75% Grass cover, Good, HSG D
484	98	Paved parking, HSG D
1,192	97	Weighted Average
69		5.79% Pervious Area
1,123		94.21% Impervious Area

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

Summary for Subcatchment C38: CB #38

Runoff = 1.19 cfs @ 12.09 hrs, Volume= 3,796 cf, Depth> 2.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4,865	61	>75% Grass cover, Good, HSG B
15,391	98	Paved parking, HSG B
38	74	>75% Grass cover, Good, HSG C
355	98	Paved parking, HSG C
81	80	>75% Grass cover, Good, HSG D
517	98	Paved parking, HSG D
21,247	89	Weighted Average
4,984		23.46% Pervious Area
16,263		76.54% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment C39: CB #39

Runoff = 0.55 cfs @ 12.09 hrs, Volume= 1,966 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
9	61	>75% Grass cover, Good, HSG B
6,543	98	Paved parking, HSG B
45	74	>75% Grass cover, Good, HSG C
517	98	Paved parking, HSG C
67	80	>75% Grass cover, Good, HSG D
592	98	Paved parking, HSG D
7,773	98	Weighted Average
121		1.56% Pervious Area
7,652		98.44% Impervious Area

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

Summary for Subcatchment C4: CB #4

Runoff = 0.55 cfs @ 12.34 hrs, Volume= 2,933 cf, Depth> 0.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
6,704	61	>75% Grass cover, Good, HSG B
3,241	98	Paved parking, HSG B
33,270	68	1 acre lots, 20% imp, HSG B
43,215	69	Weighted Average
33,320		77.10% Pervious Area
9,895		22.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
7.4	316	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.4	109	0.0360	1.33		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.4	70	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
21.4	545	Total			

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment C40: CB #40

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,151 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4,552	98	Paved parking, HSG B
4,552		100.00% Impervious Area

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

Summary for Subcatchment C41: CB #41

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,099 cf, Depth> 1.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,917	61	>75% Grass cover, Good, HSG B
8,833	98	Paved parking, HSG B
12,750	87	Weighted Average
3,917		30.72% Pervious Area
8,833		69.28% Impervious Area

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

Summary for Subcatchment C42: CB #42

Runoff = 0.31 cfs @ 12.10 hrs, Volume= 1,017 cf, Depth> 1.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
7,160	61	>75% Grass cover, Good, HSG B
4,109	98	Paved parking, HSG B
11,269	74	Weighted Average
7,160		63.54% Pervious Area
4,109		36.46% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment C43: CB #43

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 790 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
751	61	>75% Grass cover, Good, HSG B
3,333	98	Paved parking, HSG B
4,084	91	Weighted Average
751		18.39% Pervious Area
3,333		81.61% Impervious Area

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

Summary for Subcatchment C44: CB #44

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 420 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,662	98	Paved parking, HSG B
1,662		100.00% Impervious Area

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

Summary for Subcatchment C45: CB #45

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 533 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,109	98	Paved parking, HSG B
2,109		100.00% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment C46: CB #46

Runoff = 0.10 cfs @ 12.09 hrs, Volume= 347 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,371	98	Paved parking, HSG B
1,371		100.00% Impervious Area

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

Summary for Subcatchment C47: CB#47

Runoff = 0.21 cfs @ 12.09 hrs, Volume= 760 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,004	98	Paved parking, HSG B
3,004		100.00% Impervious Area

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

Summary for Subcatchment C48: CB#48

Runoff = 1.02 cfs @ 12.19 hrs, Volume= 4,337 cf, Depth> 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4,469	98	Paved parking, HSG B
55,596	68	1 acre lots, 20% imp, HSG B
60,065	70	Weighted Average
44,477		74.05% Pervious Area
15,588		25.95% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.0	50	0.0800	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
4.8	350	0.0600	1.22		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
11.8	400	Total			

Summary for Subcatchment C49: CB#49

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 420 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,659	98	Paved parking, HSG B
1,659		100.00% Impervious Area

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

Summary for Subcatchment C5: CB #5

Runoff = 0.10 cfs @ 12.09 hrs, Volume= 368 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,337	98	Paved parking, HSG B
119	98	Paved parking, HSG D
1,456	98	Weighted Average
1,456		100.00% Impervious Area

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

Summary for Subcatchment C50: CB#50

Runoff = 0.14 cfs @ 12.10 hrs, Volume= 494 cf, Depth> 0.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
3,913	61	>75% Grass cover, Good, HSG B
754	55	Woods, Good, HSG B
1,781	98	Paved parking, HSG B
6,448	71	Weighted Average
4,667		72.38% Pervious Area
1,781		27.62% Impervious Area

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

Summary for Subcatchment C6: CB #6

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 431 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,704	98	Paved parking, HSG B
1,704		100.00% Impervious Area

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

Summary for Subcatchment C7: CB #7

Runoff = 0.46 cfs @ 12.10 hrs, Volume= 1,475 cf, Depth> 1.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
6,666	61	>75% Grass cover, Good, HSG B
6,084	98	Paved parking, HSG B
12,750	79	Weighted Average
6,666		52.28% Pervious Area
6,084		47.72% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment C8: CB #8

Runoff = 0.56 cfs @ 12.28 hrs, Volume= 2,782 cf, Depth> 0.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
7,864	61	>75% Grass cover, Good, HSG B
4,598	98	Paved parking, HSG B
102	55	Woods, Good, HSG B
26,037	68	1 acre lots, 20% imp, HSG B
38,601	70	Weighted Average
28,796		74.60% Pervious Area
9,805		25.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
5.1	304	0.0200	0.99		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.5	91	0.0430	3.34		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.4	75	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
18.2	520	Total			

Summary for Subcatchment C9: CB #9

Runoff = 0.89 cfs @ 12.09 hrs, Volume= 2,898 cf, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
54	98	Paved parking, HSG B
2,695	74	>75% Grass cover, Good, HSG C
10,158	98	Paved parking, HSG C
939	98	Paved parking, HSG D
13,846	93	Weighted Average
2,695		19.46% Pervious Area
11,151		80.54% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 0.35 cfs @ 12.09 hrs, Volume= 1,157 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
4,489	98	Roofs, HSG C
830	74	>75% Grass cover, Good, HSG C
5,319	94	Weighted Average
830		15.60% Pervious Area
4,489		84.40% Impervious Area

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

Summary for Subcatchment H1: SF #1

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 596 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H10: SF #10

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 550 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment H11: SF #11

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 619 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H12: SF #12

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 779 cf, Depth> 2.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H13: SF #13

Runoff = 0.28 cfs @ 12.09 hrs, Volume= 962 cf, Depth> 2.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
3,715	98	Roofs, HSG C
382	74	>75% Grass cover, Good, HSG C
4,097	96	Weighted Average
382		9.32% Pervious Area
3,715		90.68% Impervious Area

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

Summary for Subcatchment H14: SF #14

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 550 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H15: SF #15

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 418 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment H16: SF #16

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 550 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H17: SF #17

Runoff = 0.11 cfs @ 12.09 hrs, Volume= 366 cf, Depth> 2.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,693	98	Roofs, HSG A
277	39	>75% Grass cover, Good, HSG A
1,970	90	Weighted Average
277		14.06% Pervious Area
1,693		85.94% Impervious Area

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

Summary for Subcatchment H18: SF #18

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 530 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,419	98	Roofs, HSG A
321	39	>75% Grass cover, Good, HSG A
2,740	91	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment H19: SF #19

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 471 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG A
290	39	>75% Grass cover, Good, HSG A
2,433	91	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H2: SF #2

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 387 cf, Depth> 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H20: SF #20

Runoff = 0.11 cfs @ 12.09 hrs, Volume= 357 cf, Depth> 2.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
1,085	98	Roofs, HSG A
214	39	>75% Grass cover, Good, HSG A
546	98	Roofs, HSG C
76	74	>75% Grass cover, Good, HSG C
1,921	90	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H21: SF #21

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 379 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
793	98	Roofs, HSG A
190	39	>75% Grass cover, Good, HSG A
900	98	Roofs, HSG C
78	74	>75% Grass cover, Good, HSG C
1,961	91	Weighted Average
268		13.67% Pervious Area
1,693		86.33% Impervious Area

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

Summary for Subcatchment H22: SF #22

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 779 cf, Depth> 2.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment H23: SF #23

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 527 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H24: SF #24

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 619 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H25: SF #25

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 619 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H26: SF #26

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 527 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H27: SF #27

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 550 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment H28: SF #28

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 550 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H29: SF #29

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 528 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
273	74	>75% Grass cover, Good, HSG C
2,335	95	Weighted Average
273		11.69% Pervious Area
2,062		88.31% Impervious Area

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

Summary for Subcatchment H3: SF #3

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 508 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment H30: SF #30

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 619 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
322	74	>75% Grass cover, Good, HSG C
2,741	95	Weighted Average
322		11.75% Pervious Area
2,419		88.25% Impervious Area

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

Summary for Subcatchment H31: SF #31

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 621 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
329	74	>75% Grass cover, Good, HSG C
2,748	95	Weighted Average
329		11.97% Pervious Area
2,419		88.03% Impervious Area

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

Summary for Subcatchment H32: SF #32

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 527 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H33: SF #33

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 418 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H34: SF #34

Runoff = 0.28 cfs @ 12.09 hrs, Volume= 926 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment H35: SF #35

Runoff = 0.28 cfs @ 12.09 hrs, Volume= 926 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

Summary for Subcatchment H36: SF #36

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 779 cf, Depth> 2.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
355	98	Roofs, HSG B
107	61	>75% Grass cover, Good, HSG B
2,680	98	Roofs, HSG C
178	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H37: SF #37

Runoff = 0.22 cfs @ 12.09 hrs, Volume= 751 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

Summary for Subcatchment H38: SF #38

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 596 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H39: SF #39

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 508 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment H4: SF #4

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 596 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H40: SF #40

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 596 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H41: SF #41

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 596 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment H42: SF #42

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 529 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H43: SF #43

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 508 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H44: SF #44

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 596 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H45: SF #45

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 508 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H46: SF #46

Runoff = 0.22 cfs @ 12.09 hrs, Volume= 751 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment H47: SF #47

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 387 cf, Depth> 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H48: SF #48

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 529 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H5: SF #5

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 508 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment H6: SF #6

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 552 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
300	74	>75% Grass cover, Good, HSG C
2,443	95	Weighted Average
300		12.28% Pervious Area
2,143		87.72% Impervious Area

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

Summary for Subcatchment H7: SF #7

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 418 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H8: SF #8

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 527 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H9: SF #9

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 619 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment S201: SUMMER STREET ACCESS APRON

Runoff = 0.70 cfs @ 12.09 hrs, Volume= 2,238 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,253	61	>75% Grass cover, Good, HSG B
9,313	98	Paved parking, HSG B
11,566	91	Weighted Average
2,253		19.48% Pervious Area
9,313		80.52% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 8.59 cfs @ 12.32 hrs, Volume= 41,727 cf, Depth> 1.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
135,263	61	>75% Grass cover, Good, HSG B
62,748	55	Woods, Good, HSG B
14,088	98	Paved parking, HSG B
5,771	74	>75% Grass cover, Good, HSG C
12,909	70	Woods, Good, HSG C
127	98	Water Surface, 0% imp, HSG C
516	80	>75% Grass cover, Good, HSG D
167,325	98	Water Surface, 0% imp, HSG D
398,747	77	Weighted Average
384,659		96.47% Pervious Area
14,088		3.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.2	50	0.0600	0.16		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
1.9	192	0.0600	1.71		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
2.8	314	0.0700	1.85		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
11.6	493	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
21.5	1,049	Total			

Summary for Subcatchment S203: INFILTRATION POND #1

Runoff = 1.26 cfs @ 12.10 hrs, Volume= 4,055 cf, Depth> 1.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
19,898	61	>75% Grass cover, Good, HSG B
3,654	98	Water Surface, 0% imp, HSG B
3,247	98	Paved parking, HSG B
3,556	74	>75% Grass cover, Good, HSG C
8,247	98	Water Surface, 0% imp, HSG C
38,602	77	Weighted Average
35,355		91.59% Pervious Area
3,247		8.41% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 6.24 cfs @ 12.33 hrs, Volume= 30,643 cf, Depth> 1.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
40,469	61	>75% Grass cover, Good, HSG B
14,815	55	Woods, Good, HSG B
66,293	74	>75% Grass cover, Good, HSG C
42,142	70	Woods, Good, HSG C
4,299	80	>75% Grass cover, Good, HSG D
2,509	77	Woods, Good, HSG D
95,456	98	Water Surface, 0% imp, HSG D
265,983	79	Weighted Average
265,983		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.2000	0.26		Sheet Flow,
					Grass: Dense n= 0.240 P2= 3.27"
19.4	582	0.0100	0.50		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
22.6	632	Total			

Summary for Subcatchment S205: ISOLATED WETLAND

Runoff = 1.28 cfs @ 12.10 hrs, Volume= 4,233 cf, Depth> 1.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
7,234	39	>75% Grass cover, Good, HSG A
1,627	30	Woods, Good, HSG A
2,467	74	>75% Grass cover, Good, HSG C
1,830	70	Woods, Good, HSG C
10,692	80	>75% Grass cover, Good, HSG D
14,269	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
46,924	74	Weighted Average
46,924		100.00% Pervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment S206: OVERLAND FLOW

Runoff = 6.03 cfs @ 12.33 hrs, Volume= 34,325 cf, Depth> 0.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
49,064	39	>75% Grass cover, Good, HSG A
111,670	30	Woods, Good, HSG A
31,970	30	Brush, Good, HSG A
17,564	61	>75% Grass cover, Good, HSG B
8,414	55	Woods, Good, HSG B
89,440	74	>75% Grass cover, Good, HSG C
100,462	70	Woods, Good, HSG C
9,272	80	>75% Grass cover, Good, HSG D
121,036	77	Woods, Good, HSG D
114,002	98	Water Surface, 0% imp, HSG D
652,894	65	Weighted Average
652,894		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.9	50	0.2000	0.17		Sheet Flow,
					Woods: Light underbrush n= 0.400 P2= 3.27"
14.3	745	0.0300	0.87		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
19.2	795	Total			

Summary for Subcatchment S207: INFILTRATION POND #2

Runoff = 1.01 cfs @ 12.09 hrs, Volume= 3,180 cf, Depth> 1.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
621	39	>75% Grass cover, Good, HSG A
217	98	Water Surface, 0% imp, HSG A
14,212	74	>75% Grass cover, Good, HSG C
8,902	98	Water Surface, 0% imp, HSG C
23,952	82	Weighted Average
23,952		100.00% Pervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment S208:

Runoff = 0.37 cfs @ 12.10 hrs, Volume= 1,239 cf, Depth> 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
661	39	>75% Grass cover, Good, HSG A
14,628	74	>75% Grass cover, Good, HSG C
15,289	72	Weighted Average
15,289		100.00% Pervious Area

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

Summary for Subcatchment S209: WETLAND C

Runoff = 1.39 cfs @ 12.60 hrs, Volume= 9,208 cf, Depth> 1.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
17,078	39	>75% Grass cover, Good, HSG A
10,863	30	Woods, Good, HSG A
15,531	74	>75% Grass cover, Good, HSG C
21,139	70	Woods, Good, HSG C
44,067	98	Water Surface, 0% imp, HSG D
108,678	73	Weighted Average
108,678		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.2	50	0.0050	0.04		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
18.6	557	0.0100	0.50		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
39.8	607	Total			

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment S210: INFILTRATION POND #1

Runoff = 3.90 cfs @ 12.23 hrs, Volume= 16,627 cf, Depth> 1.74"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,124	39	>75% Grass cover, Good, HSG A
1,222	98	Paved parking, HSG A
637	98	Water Surface, 0% imp, HSG A
61,928	74	>75% Grass cover, Good, HSG C
23,694	98	Paved parking, HSG C
25,355	98	Water Surface, 0% imp, HSG C
114,960	84	Weighted Average
90,044		78.33% Pervious Area
24,916		21.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	50	0.0150	0.13		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
10.3	530	0.0150	0.86		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
16.5	580	Total			

Summary for Subcatchment S211: CUL-DE-SAC POND

Runoff = 0.81 cfs @ 12.33 hrs, Volume= 4,067 cf, Depth> 1.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
6,621	61	>75% Grass cover, Good, HSG B
13,186	55	Woods, Good, HSG B
11,770	74	>75% Grass cover, Good, HSG C
265	70	Woods, Good, HSG C
13,435	98	Water Surface, 0% imp, HSG C
45,277	74	Weighted Average
45,277		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	50	0.0400	0.05		Sheet Flow, Woods: Dense underbrush n= 0.800 P2= 3.27"
0.8	50	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
5.1	428	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
22.0	528	Total			

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment S212: SWALE

Runoff = 0.66 cfs @ 12.28 hrs, Volume= 3,073 cf, Depth> 1.20"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
8,118	61	>75% Grass cover, Good, HSG B
5,760	55	Woods, Good, HSG B
1,972	74	>75% Grass cover, Good, HSG C
1,769	70	Woods, Good, HSG C
1,463	80	>75% Grass cover, Good, HSG D
11,762	98	Water Surface, 0% imp, HSG D
30,844	76	Weighted Average
30,844		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1	50	0.0050	0.06		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
4.7	100	0.0050	0.35		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.8	150	Total			

Summary for Subcatchment S213: COURTYARD

Runoff = 0.30 cfs @ 12.11 hrs, Volume= 1,161 cf, Depth> 0.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
2,015	39	>75% Grass cover, Good, HSG A
5,689	39	>75% Grass cover, Good, HSG A
6,440	74	>75% Grass cover, Good, HSG C
3,111	98	Paved parking, HSG C
3,861	74	>75% Grass cover, Good, HSG C
858	80	>75% Grass cover, Good, HSG D
21,974	65	Weighted Average
18,863		85.84% Pervious Area
3,111		14.16% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment T1: Trench Drain 1

Runoff = 0.83 cfs @ 12.09 hrs, Volume= 2,668 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,305	74	>75% Grass cover, Good, HSG C
4,068	98	Paved parking, HSG C
3,805	80	>75% Grass cover, Good, HSG D
4,034	98	Paved parking, HSG D
576	98	Roofs, HSG D
13,788	91	Weighted Average
5,110		37.06% Pervious Area
8,678		62.94% Impervious Area

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

Summary for Subcatchment T2: Drive Under B2

Runoff = 0.15 cfs @ 12.10 hrs, Volume= 484 cf, Depth> 1.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
1,582	39	>75% Grass cover, Good, HSG A
2,404	98	Paved parking, HSG A
78	74	>75% Grass cover, Good, HSG C
543	98	Paved parking, HSG C
4,607	77	Weighted Average
1,660		36.03% Pervious Area
2,947		63.97% Impervious Area

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

Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,273 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH10: TOWN HOUSE #10

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 962 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

Summary for Subcatchment TH11: TOWN HOUSE #11

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,322 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
687	74	>75% Grass cover, Good, HSG C
5,851	95	Weighted Average
687		11.74% Pervious Area
5,164		88.26% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment TH2: TOWN HOUSE #2

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,273 cf, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH3: TOWN HOUSE #3

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 773 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,016	98	Roofs, HSG C
407	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
407		11.89% Pervious Area
3,016		88.11% Impervious Area

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

Summary for Subcatchment TH4: TOWN HOUSE #4

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 962 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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Type III 24-hr 2YR Rainfall=3.27"

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

Summary for Subcatchment TH5: TOWN HOUSE #5

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 773 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,017	98	Roofs, HSG C
406	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
406		11.86% Pervious Area
3,017		88.14% Impervious Area

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

Summary for Subcatchment TH6: TOWN HOUSE #6

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 958 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH7: TOWN HOUSE #7

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 958 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

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Type III 24-hr 2YR Rainfall=3.27"

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Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH8: TOWN HOUSE #8

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,322 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
688	74	>75% Grass cover, Good, HSG C
5,852	95	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH9: TOWN HOUSE #9

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 962 cf, Depth> 2.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2YR Rainfall=3.27"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.77% Impervious, Inflow Depth = 0.05" for 2YR event
Inflow = 0.04 cfs @ 12.57 hrs, Volume= 55 cf
Outflow = 0.00 cfs @ 13.22 hrs, Volume= 25 cf, Atten= 98%, Lag= 39.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 1,130.8 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 1,130.8 min

Peak Storage= 53 cf @ 13.22 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.01'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 22.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 1,350.0' Slope= 0.0133 '/'
Inlet Invert= 218.00', Outlet Invert= 200.00'



Summary for Reach 2R: OVERLAND FLOW

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth = 0.04" for 2YR event
Inflow = 0.01 cfs @ 12.62 hrs, Volume= 8 cf
Outflow = 0.00 cfs @ 13.18 hrs, Volume= 4 cf, Atten= 97%, Lag= 33.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 802.4 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 802.4 min

Peak Storage= 7 cf @ 13.18 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.00'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 21.45 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 925.0' Slope= 0.0124 '/'
Inlet Invert= 211.50', Outlet Invert= 200.00'



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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,994 sf, 87.37% Impervious, Inflow Depth = 0.07" for 2YR event
Inflow = 0.03 cfs @ 12.52 hrs, Volume= 43 cf
Outflow = 0.00 cfs @ 13.13 hrs, Volume= 37 cf, Atten= 95%, Lag= 36.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 348.7 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 348.7 min

Peak Storage= 39 cf @ 13.13 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 40.02'
Bank-Full Depth= 1.00' Flow Area= 45.0 sf, Capacity= 20.48 cfs

40.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 50.00'
Length= 475.0' Slope= 0.0174 ' / '
Inlet Invert= 211.50', Outlet Invert= 203.25'



Summary for Reach 4R: OVERLAND FLOW

Inflow Area = 12,678 sf, 88.22% Impervious, Inflow Depth = 0.18" for 2YR event
Inflow = 0.11 cfs @ 12.16 hrs, Volume= 189 cf
Outflow = 0.01 cfs @ 12.97 hrs, Volume= 178 cf, Atten= 90%, Lag= 48.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 246.4 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 246.4 min

Peak Storage= 161 cf @ 12.97 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.08'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.25 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 427.0' Slope= 0.0281 ' / '
Inlet Invert= 202.00', Outlet Invert= 190.00'



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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 8,196 sf, 90.65% Impervious, Inflow Depth = 0.37" for 2YR event
Inflow = 0.17 cfs @ 12.33 hrs, Volume= 253 cf
Outflow = 0.01 cfs @ 13.17 hrs, Volume= 206 cf, Atten= 95%, Lag= 50.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 413.2 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 413.2 min

Peak Storage= 223 cf @ 13.17 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.06'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.07 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 690.0' Slope= 0.0261 ' / '
Inlet Invert= 204.00', Outlet Invert= 186.00'



Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 7,824 sf, 88.19% Impervious, Inflow Depth = 0.28" for 2YR event
Inflow = 0.12 cfs @ 12.27 hrs, Volume= 180 cf
Outflow = 0.01 cfs @ 12.99 hrs, Volume= 159 cf, Atten= 93%, Lag= 42.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 326.7 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 326.7 min

Peak Storage= 160 cf @ 12.99 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.05'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 33.60 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 590.0' Slope= 0.0305 ' / '
Inlet Invert= 204.00', Outlet Invert= 186.00'



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Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 16,679 sf, 87.99% Impervious, Inflow Depth = 0.00" for 2YR event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.00 fps, Min. Travel Time= 0.0 min
Avg. Velocity = 0.00 fps, Avg. Travel Time= 0.0 min

Peak Storage= 0 cf @ 0.00 hrs
Average Depth at Peak Storage= 0.00'
Bank-Full Depth= 1.00' Flow Area= 30.0 sf, Capacity= 19.23 cfs

25.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 35.00'
Length= 380.0' Slope= 0.0368 '/'
Inlet Invert= 200.00', Outlet Invert= 186.00'



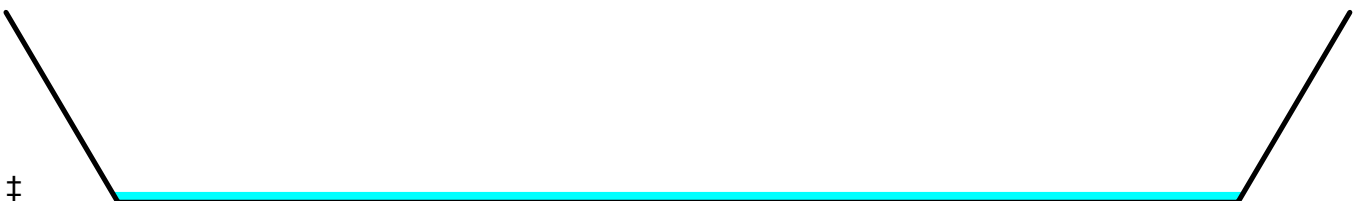
Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 19,585 sf, 88.78% Impervious, Inflow Depth = 0.66" for 2YR event
Inflow = 0.88 cfs @ 12.17 hrs, Volume= 1,069 cf
Outflow = 0.23 cfs @ 12.53 hrs, Volume= 1,065 cf, Atten= 74%, Lag= 21.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.08 fps, Min. Travel Time= 50.4 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 125.6 min

Peak Storage= 685 cf @ 12.53 hrs
Average Depth at Peak Storage= 0.05' , Surface Width= 50.55'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 29.80 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 250.0' Slope= 0.0240 '/'
Inlet Invert= 202.00', Outlet Invert= 196.00'



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Summary for Reach 13R: OVERLAND FLOW

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth = 0.61" for 2YR event
Inflow = 0.22 cfs @ 12.19 hrs, Volume= 298 cf
Outflow = 0.01 cfs @ 12.99 hrs, Volume= 221 cf, Atten= 96%, Lag= 48.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 518.6 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 518.6 min

Peak Storage= 272 cf @ 12.99 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.08'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 23.68 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 660.0' Slope= 0.0152 ' '
Inlet Invert= 206.00', Outlet Invert= 196.00'



Summary for Reach 14R: OVERLAND FLOW

Inflow Area = 39,453 sf, 18.93% Impervious, Inflow Depth > 0.94" for 2YR event
Inflow = 0.66 cfs @ 12.28 hrs, Volume= 3,102 cf
Outflow = 0.09 cfs @ 13.65 hrs, Volume= 2,424 cf, Atten= 86%, Lag= 82.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.06 fps, Min. Travel Time= 265.8 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 346.1 min

Peak Storage= 1,467 cf @ 13.65 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.31'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.74 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 940.0' Slope= 0.0255 ' '
Inlet Invert= 210.00', Outlet Invert= 186.00'



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Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 1.02" for 2YR event
Inflow = 0.65 cfs @ 12.76 hrs, Volume= 9,503 cf
Outflow = 0.50 cfs @ 13.69 hrs, Volume= 9,047 cf, Atten= 23%, Lag= 55.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.11 fps, Min. Travel Time= 46.7 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 69.1 min

Peak Storage= 1,404 cf @ 13.69 hrs
Average Depth at Peak Storage= 0.09' , Surface Width= 50.93'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 27.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 300.0' Slope= 0.0200 ' / '
Inlet Invert= 202.00', Outlet Invert= 196.00'



Summary for Reach 16R: OVERLAND FLOW

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth = 0.66" for 2YR event
Inflow = 0.15 cfs @ 12.17 hrs, Volume= 183 cf
Outflow = 0.00 cfs @ 13.18 hrs, Volume= 112 cf, Atten= 97%, Lag= 60.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 734.1 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 734.1 min

Peak Storage= 168 cf @ 13.18 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.03'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.42 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 1,200.0' Slope= 0.0250 ' / '
Inlet Invert= 216.00', Outlet Invert= 186.00'



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Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 0.63" for 2YR event
Inflow = 0.43 cfs @ 15.56 hrs, Volume= 15,948 cf
Outflow = 0.43 cfs @ 15.72 hrs, Volume= 15,639 cf, Atten= 0%, Lag= 9.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.13 fps, Min. Travel Time= 15.1 min
Avg. Velocity = 0.12 fps, Avg. Travel Time= 16.2 min

Peak Storage= 390 cf @ 15.72 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 51.28'
Bank-Full Depth= 1.00' Flow Area= 60.0 sf, Capacity= 44.93 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 10.0 '/' Top Width= 70.00'
Length= 120.0' Slope= 0.0500 '/
Inlet Invert= 192.00', Outlet Invert= 186.00'



Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth = 0.00" for 2YR event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.00 fps, Min. Travel Time= 0.0 min
Avg. Velocity = 0.00 fps, Avg. Travel Time= 0.0 min

Peak Storage= 0 cf @ 0.00 hrs
Average Depth at Peak Storage= 0.00'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 18.54 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 560.0' Slope= 0.0093 '/
Inlet Invert= 200.00', Outlet Invert= 194.80'



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Summary for Reach 21R: TRENCH DRAIN

[52] Hint: Inlet/Outlet conditions not evaluated

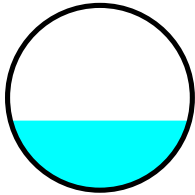
[90] Warning: Qout>Qin may require smaller dt or Finer Routing

Inflow Area = 13,788 sf, 62.94% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 0.83 cfs @ 12.09 hrs, Volume= 2,668 cf
Outflow = 0.83 cfs @ 12.09 hrs, Volume= 2,668 cf, Atten= 0%, Lag= 0.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 3.09 fps, Min. Travel Time= 0.4 min
Avg. Velocity= 1.05 fps, Avg. Travel Time= 1.0 min

Peak Storage= 18 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.38' , Surface Width= 0.97'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.78 cfs

12.0" Round Pipe
n= 0.012 Corrugated PP, smooth interior
Length= 65.7' Slope= 0.0052 '/
Inlet Invert= 197.34', Outlet Invert= 197.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 0.27" for 2YR event
Inflow = 1.20 cfs @ 12.81 hrs, Volume= 9,474 cf
Outflow = 0.89 cfs @ 13.20 hrs, Volume= 9,152 cf, Atten= 25%, Lag= 23.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.09 fps, Min. Travel Time= 32.0 min
Avg. Velocity= 0.05 fps, Avg. Travel Time= 64.2 min

Peak Storage= 1,712 cf @ 13.20 hrs
Average Depth at Peak Storage= 0.18' , Surface Width= 57.10'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 18.32 cfs

50.00' x 1.00' deep channel, n= 0.800 Sheet flow: Woods+dense brush (invasives)
Side Slope Z-value= 20.0 '/ Top Width= 90.00'
Length= 180.0' Slope= 0.0278 '/
Inlet Invert= 193.00', Outlet Invert= 188.00'

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Summary for Reach R202: OVERLAND FLOW

Inflow Area = 398,747 sf, 3.53% Impervious, Inflow Depth > 1.26" for 2YR event
Inflow = 8.59 cfs @ 12.32 hrs, Volume= 41,727 cf
Outflow = 2.86 cfs @ 12.85 hrs, Volume= 38,340 cf, Atten= 67%, Lag= 31.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.13 fps, Min. Travel Time= 87.5 min
Avg. Velocity= 0.07 fps, Avg. Travel Time= 164.4 min

Peak Storage= 15,014 cf @ 12.85 hrs
Average Depth at Peak Storage= 0.20', Surface Width= 110.20'
Bank-Full Depth= 1.00' Flow Area= 125.0 sf, Capacity= 43.95 cfs

100.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 25.0 '/' Top Width= 150.00'
Length= 700.0' Slope= 0.0114 '/'
Inlet Invert= 206.00', Outlet Invert= 198.00'



Summary for Reach R211: OVERLAND FLOW

Inflow Area = 273,385 sf, 52.58% Impervious, Inflow Depth = 0.00" for 2YR event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.00 fps, Min. Travel Time= 0.0 min
Avg. Velocity= 0.00 fps, Avg. Travel Time= 0.0 min

Peak Storage= 0 cf @ 0.00 hrs
Average Depth at Peak Storage= 0.00'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 20.47 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 20.0 '/' Top Width= 90.00'
Length= 600.0' Slope= 0.0087 '/'
Inlet Invert= 200.00', Outlet Invert= 194.80'

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**Summary for Pond 19R: DRIVEWAY D CROSS PIPE**

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 0.27" for 2YR event
 Inflow = 1.42 cfs @ 12.59 hrs, Volume= 9,692 cf
 Outflow = 1.20 cfs @ 12.81 hrs, Volume= 9,474 cf, Atten= 16%, Lag= 12.9 min
 Primary = 1.20 cfs @ 12.81 hrs, Volume= 9,474 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 194.52' @ 12.81 hrs Surf.Area= 3,449 sf Storage= 1,368 cf

Plug-Flow detention time= 32.0 min calculated for 9,474 cf (98% of inflow)
 Center-of-Mass det. time= 20.1 min (907.3 - 887.2)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	35,460 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	1,800	0	0
196.00	8,130	9,930	9,930
198.00	17,400	25,530	35,460

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	24.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=1.19 cfs @ 12.81 hrs HW=194.52' TW=193.14' (Dynamic Tailwater)
 ↑1=Culvert (Barrel Controls 1.19 cfs @ 2.76 fps)

Summary for Pond CB1: CB#1

Inflow Area = 27,330 sf, 31.14% Impervious, Inflow Depth > 0.97" for 2YR event
 Inflow = 0.48 cfs @ 12.25 hrs, Volume= 2,208 cf
 Outflow = 0.48 cfs @ 12.25 hrs, Volume= 2,208 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.48 cfs @ 12.25 hrs, Volume= 2,208 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.25' @ 12.25 hrs
 Flood Elev= 211.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.83'	12.0" Round Culvert L= 14.1' Ke= 0.500 Inlet / Outlet Invert= 207.83' / 207.76' S= 0.0050 ' / Cc= 0.900

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n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.48 cfs @ 12.25 hrs HW=208.25' TW=207.02' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.48 cfs @ 2.27 fps)**Summary for Pond CB10: CB #10**

Inflow Area = 9,925 sf, 94.45% Impervious, Inflow Depth > 2.92" for 2YR event
 Inflow = 0.70 cfs @ 12.09 hrs, Volume= 2,419 cf
 Outflow = 0.70 cfs @ 12.09 hrs, Volume= 2,419 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.70 cfs @ 12.09 hrs, Volume= 2,419 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.26' @ 12.09 hrs

Flood Elev= 212.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.76'	12.0" Round Culvert L= 33.8' Ke= 0.500 Inlet / Outlet Invert= 209.76' / 209.59' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.09 hrs HW=210.26' TW=209.88' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.68 cfs @ 2.55 fps)**Summary for Pond CB11: CB #11**

Inflow Area = 14,065 sf, 48.61% Impervious, Inflow Depth > 1.89" for 2YR event
 Inflow = 0.70 cfs @ 12.09 hrs, Volume= 2,220 cf
 Outflow = 0.70 cfs @ 12.09 hrs, Volume= 2,220 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.70 cfs @ 12.09 hrs, Volume= 2,220 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.39' @ 12.09 hrs

Flood Elev= 213.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.94'	12.0" Round Culvert L= 26.3' Ke= 0.500 Inlet / Outlet Invert= 209.94' / 209.67' S= 0.0103 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.69 cfs @ 12.09 hrs HW=210.39' TW=209.88' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.69 cfs @ 3.00 fps)**Summary for Pond CB12: CB #12**

Inflow Area = 9,598 sf, 47.53% Impervious, Inflow Depth > 1.82" for 2YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,452 cf
 Outflow = 0.46 cfs @ 12.09 hrs, Volume= 1,452 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.46 cfs @ 12.09 hrs, Volume= 1,452 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

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Peak Elev= 210.10' @ 12.09 hrs

Flood Elev= 212.86'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.45 cfs @ 12.09 hrs HW=210.10' TW=206.82' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.45 cfs @ 2.23 fps)**Summary for Pond CB13: CB #13**

Inflow Area = 7,833 sf, 70.99% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.47 cfs @ 12.09 hrs, Volume= 1,516 cf
 Outflow = 0.47 cfs @ 12.09 hrs, Volume= 1,516 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.47 cfs @ 12.09 hrs, Volume= 1,516 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.11' @ 12.09 hrs

Flood Elev= 212.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0048 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.46 cfs @ 12.09 hrs HW=210.10' TW=206.82' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.46 cfs @ 2.23 fps)**Summary for Pond CB14: CB #14**

Inflow Area = 12,504 sf, 71.98% Impervious, Inflow Depth > 1.67" for 2YR event
 Inflow = 0.55 cfs @ 12.09 hrs, Volume= 1,735 cf
 Outflow = 0.55 cfs @ 12.09 hrs, Volume= 1,735 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.55 cfs @ 12.09 hrs, Volume= 1,735 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.30' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 23.2' Ke= 0.500 Inlet / Outlet Invert= 200.79' / 200.67' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.54 cfs @ 12.09 hrs HW=201.30' TW=201.15' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.54 cfs @ 1.98 fps)

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Summary for Pond CB15: CB #15

Inflow Area = 4,895 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,238 cf
 Outflow = 0.35 cfs @ 12.09 hrs, Volume= 1,238 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.35 cfs @ 12.09 hrs, Volume= 1,238 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.23' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 200.79' / 200.71' S= 0.0051 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.34 cfs @ 12.09 hrs HW=201.22' TW=201.14' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.34 cfs @ 1.53 fps)**Summary for Pond CB16: CB #16**

Inflow Area = 8,326 sf, 65.96% Impervious, Inflow Depth > 1.45" for 2YR event
 Inflow = 0.32 cfs @ 12.10 hrs, Volume= 1,009 cf
 Outflow = 0.32 cfs @ 12.10 hrs, Volume= 1,009 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.32 cfs @ 12.10 hrs, Volume= 1,009 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.79' @ 12.10 hrs

Flood Elev= 206.64'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.47'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 203.47' / 203.33' S= 0.0067 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.31 cfs @ 12.10 hrs HW=203.79' TW=202.88' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.31 cfs @ 2.20 fps)**Summary for Pond CB17: CB #17**

Inflow Area = 11,309 sf, 74.12% Impervious, Inflow Depth > 2.42" for 2YR event
 Inflow = 0.70 cfs @ 12.09 hrs, Volume= 2,276 cf
 Outflow = 0.70 cfs @ 12.09 hrs, Volume= 2,276 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.70 cfs @ 12.09 hrs, Volume= 2,276 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.64' @ 12.09 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.12'	12.0" Round Culvert L= 16.3' Ke= 0.500

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Inlet / Outlet Invert= 205.12' / 205.04' S= 0.0049 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.69 cfs @ 12.09 hrs HW=205.64' TW=205.43' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.69 cfs @ 2.47 fps)

Summary for Pond CB18: CB #18

Inflow Area = 24,411 sf, 56.09% Impervious, Inflow Depth > 1.61" for 2YR event
 Inflow = 1.07 cfs @ 12.11 hrs, Volume= 3,282 cf
 Outflow = 1.07 cfs @ 12.11 hrs, Volume= 3,282 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.07 cfs @ 12.11 hrs, Volume= 3,282 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.75' @ 12.11 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	12.0" Round Culvert L= 16.2' Ke= 0.500 Inlet / Outlet Invert= 205.10' / 205.02' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.05 cfs @ 12.11 hrs HW=205.75' TW=205.44' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.05 cfs @ 2.78 fps)

Summary for Pond CB19: CB #19

Inflow Area = 21,974 sf, 14.16% Impervious, Inflow Depth > 0.63" for 2YR event
 Inflow = 0.30 cfs @ 12.11 hrs, Volume= 1,161 cf
 Outflow = 0.30 cfs @ 12.11 hrs, Volume= 1,161 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.30 cfs @ 12.11 hrs, Volume= 1,161 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.56' @ 12.11 hrs

Flood Elev= 207.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.25'	12.0" Round Culvert L= 61.0' Ke= 0.500 Inlet / Outlet Invert= 203.25' / 202.94' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.29 cfs @ 12.11 hrs HW=203.56' TW=202.87' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.29 cfs @ 2.08 fps)

Summary for Pond CB2: CB#2

Inflow Area = 18,869 sf, 73.64% Impervious, Inflow Depth > 2.23" for 2YR event
 Inflow = 1.10 cfs @ 12.09 hrs, Volume= 3,509 cf
 Outflow = 1.10 cfs @ 12.09 hrs, Volume= 3,509 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.10 cfs @ 12.09 hrs, Volume= 3,509 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.50' @ 12.09 hrs

Flood Elev= 208.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.86'	12.0" Round Culvert L= 92.1' Ke= 0.500 Inlet / Outlet Invert= 204.86' / 204.40' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.07 cfs @ 12.09 hrs HW=205.49' TW=203.91' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.07 cfs @ 2.95 fps)**Summary for Pond CB20: CB #20**

Inflow Area = 15,474 sf, 80.34% Impervious, Inflow Depth > 2.51" for 2YR event

Inflow = 0.99 cfs @ 12.09 hrs, Volume= 3,238 cf

Outflow = 0.99 cfs @ 12.09 hrs, Volume= 3,238 cf, Atten= 0%, Lag= 0.0 min

Primary = 0.99 cfs @ 12.09 hrs, Volume= 3,238 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.58' @ 12.09 hrs

Flood Elev= 207.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.97'	12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 203.97' / 203.81' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.96 cfs @ 12.09 hrs HW=204.57' TW=204.06' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.96 cfs @ 2.80 fps)**Summary for Pond CB21: CB #21**

Inflow Area = 11,800 sf, 93.49% Impervious, Inflow Depth > 2.61" for 2YR event

Inflow = 0.78 cfs @ 12.09 hrs, Volume= 2,566 cf

Outflow = 0.78 cfs @ 12.09 hrs, Volume= 2,566 cf, Atten= 0%, Lag= 0.0 min

Primary = 0.78 cfs @ 12.09 hrs, Volume= 2,566 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.86' @ 12.09 hrs

Flood Elev= 208.02'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.32'	12.0" Round Culvert L= 26.0' Ke= 0.500 Inlet / Outlet Invert= 204.32' / 204.19' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.76 cfs @ 12.09 hrs HW=204.85' TW=204.06' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.76 cfs @ 2.60 fps)

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Summary for Pond CB22: CB #22

Inflow Area = 9,287 sf, 87.71% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.64 cfs @ 12.09 hrs, Volume= 2,180 cf
 Outflow = 0.64 cfs @ 12.09 hrs, Volume= 2,180 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.64 cfs @ 12.09 hrs, Volume= 2,180 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.81' @ 12.09 hrs
 Flood Elev= 208.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.33'	12.0" Round Culvert L= 16.1' Ke= 0.500 Inlet / Outlet Invert= 205.33' / 205.25' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=205.81' TW=204.95' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.62 cfs @ 2.47 fps)

Summary for Pond CB23: CB #23

Inflow Area = 3,194 sf, 63.15% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 618 cf
 Outflow = 0.19 cfs @ 12.09 hrs, Volume= 618 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.19 cfs @ 12.09 hrs, Volume= 618 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.66' @ 12.09 hrs
 Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.41'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 205.41' / 205.32' S= 0.0055 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.19 cfs @ 12.09 hrs HW=205.66' TW=204.95' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.19 cfs @ 1.88 fps)

Summary for Pond CB24: CB #24

Inflow Area = 2,843 sf, 88.46% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 667 cf
 Outflow = 0.20 cfs @ 12.09 hrs, Volume= 667 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.20 cfs @ 12.09 hrs, Volume= 667 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.50' @ 12.09 hrs
 Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 12.1' Ke= 0.500

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Inlet / Outlet Invert= 205.21' / 205.15' S= 0.0050 ' / ' Cc= 0.900
 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.19 cfs @ 12.09 hrs HW=205.50' TW=205.41' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.19 cfs @ 1.54 fps)

Summary for Pond CB25: CB #25

Inflow Area = 8,812 sf, 96.03% Impervious, Inflow Depth > 2.92" for 2YR event
 Inflow = 0.62 cfs @ 12.09 hrs, Volume= 2,147 cf
 Outflow = 0.62 cfs @ 12.09 hrs, Volume= 2,147 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.62 cfs @ 12.09 hrs, Volume= 2,147 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.70' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.22'	12.0" Round Culvert L= 11.4' Ke= 0.500 Inlet / Outlet Invert= 205.22' / 205.16' S= 0.0053 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.09 hrs HW=205.69' TW=205.41' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.60 cfs @ 2.44 fps)

Summary for Pond CB26: CB #26

Inflow Area = 12,787 sf, 75.08% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.84 cfs @ 12.09 hrs, Volume= 2,781 cf
 Outflow = 0.84 cfs @ 12.09 hrs, Volume= 2,781 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.84 cfs @ 12.09 hrs, Volume= 2,781 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.32' @ 12.09 hrs

Flood Elev= 204.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.77'	12.0" Round Culvert L= 42.5' Ke= 0.500 Inlet / Outlet Invert= 201.77' / 201.55' S= 0.0052 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.82 cfs @ 12.09 hrs HW=202.31' TW=201.19' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.82 cfs @ 2.72 fps)

Summary for Pond CB27: CB #27

Inflow Area = 8,906 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,253 cf
 Outflow = 0.63 cfs @ 12.09 hrs, Volume= 2,253 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.63 cfs @ 12.09 hrs, Volume= 2,253 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.48' @ 12.09 hrs

Flood Elev= 204.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.00'	12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 201.00' / 200.90' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=201.47' TW=201.19' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.62 cfs @ 2.48 fps)**Summary for Pond CB28: CB #28**

Inflow Area = 10,173 sf, 52.35% Impervious, Inflow Depth > 2.06" for 2YR event
 Inflow = 0.55 cfs @ 12.09 hrs, Volume= 1,745 cf
 Outflow = 0.55 cfs @ 12.09 hrs, Volume= 1,745 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.55 cfs @ 12.09 hrs, Volume= 1,745 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 198.35' @ 12.09 hrs

Flood Elev= 200.92'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.75'	12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 197.75' / 197.69' S= 0.0044 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.54 cfs @ 12.09 hrs HW=198.34' TW=198.26' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.54 cfs @ 1.62 fps)**Summary for Pond CB29: CB #29**

Inflow Area = 6,042 sf, 80.24% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,264 cf
 Outflow = 0.39 cfs @ 12.09 hrs, Volume= 1,264 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.39 cfs @ 12.09 hrs, Volume= 1,264 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.84' @ 12.09 hrs

Flood Elev= 208.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 13.5' Ke= 0.500 Inlet / Outlet Invert= 205.38' / 205.31' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.38 cfs @ 12.09 hrs HW=205.83' TW=205.74' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.38 cfs @ 1.62 fps)

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Summary for Pond CB3: CB#3

Inflow Area = 16,074 sf, 74.25% Impervious, Inflow Depth > 2.06" for 2YR event
 Inflow = 0.87 cfs @ 12.09 hrs, Volume= 2,757 cf
 Outflow = 0.87 cfs @ 12.09 hrs, Volume= 2,757 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.87 cfs @ 12.09 hrs, Volume= 2,757 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.38' @ 12.09 hrs

Flood Elev= 210.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	12.0" Round Culvert L= 10.2' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.74' S= 0.0059 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.85 cfs @ 12.09 hrs HW=208.37' TW=207.02' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 0.85 cfs @ 2.64 fps)**Summary for Pond CB30: CB #30**

Inflow Area = 11,846 sf, 63.21% Impervious, Inflow Depth > 2.14" for 2YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,116 cf
 Outflow = 0.66 cfs @ 12.09 hrs, Volume= 2,116 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.66 cfs @ 12.09 hrs, Volume= 2,116 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.92' @ 12.09 hrs

Flood Elev= 208.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 205.38' / 205.29' S= 0.0051 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.65 cfs @ 12.09 hrs HW=205.91' TW=205.74' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 0.65 cfs @ 2.23 fps)**Summary for Pond CB31: CB #31**

Inflow Area = 13,042 sf, 58.40% Impervious, Inflow Depth > 2.06" for 2YR event
 Inflow = 0.71 cfs @ 12.09 hrs, Volume= 2,237 cf
 Outflow = 0.71 cfs @ 12.09 hrs, Volume= 2,237 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.71 cfs @ 12.09 hrs, Volume= 2,237 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.71' @ 12.09 hrs

Flood Elev= 207.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.4' Ke= 0.500

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Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.69 cfs @ 12.09 hrs HW=204.70' TW=203.96' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.69 cfs @ 2.49 fps)

Summary for Pond CB32: CB #32

Inflow Area = 10,868 sf, 65.38% Impervious, Inflow Depth > 2.23" for 2YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,021 cf
 Outflow = 0.63 cfs @ 12.09 hrs, Volume= 2,021 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.63 cfs @ 12.09 hrs, Volume= 2,021 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.68' @ 12.09 hrs

Flood Elev= 207.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=204.67' TW=203.96' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.62 cfs @ 2.42 fps)

Summary for Pond CB33: CB #33

Inflow Area = 4,342 sf, 79.50% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.28 cfs @ 12.09 hrs, Volume= 909 cf
 Outflow = 0.28 cfs @ 12.09 hrs, Volume= 909 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.28 cfs @ 12.09 hrs, Volume= 909 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.60' @ 12.09 hrs

Flood Elev= 208.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.28'	12.0" Round Culvert L= 11.7' Ke= 0.500 Inlet / Outlet Invert= 205.28' / 205.22' S= 0.0051 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=205.59' TW=205.46' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.27 cfs @ 1.93 fps)

Summary for Pond CB34: CB #34

Inflow Area = 5,967 sf, 75.68% Impervious, Inflow Depth > 2.42" for 2YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,201 cf
 Outflow = 0.37 cfs @ 12.09 hrs, Volume= 1,201 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.37 cfs @ 12.09 hrs, Volume= 1,201 cf

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Peak Elev= 205.60' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 205.21' / 205.13' S= 0.0048 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.36 cfs @ 12.09 hrs HW=205.60' TW=205.46' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.36 cfs @ 1.92 fps)**Summary for Pond CB35: CB #35**

Inflow Area = 2,891 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.21 cfs @ 12.09 hrs, Volume= 731 cf
 Outflow = 0.21 cfs @ 12.09 hrs, Volume= 731 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.21 cfs @ 12.09 hrs, Volume= 731 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.31' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 15.2' Ke= 0.500 Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.20 cfs @ 12.09 hrs HW=207.30' TW=207.10' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.20 cfs @ 1.83 fps)**Summary for Pond CB36: CB #36**

Inflow Area = 6,229 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.44 cfs @ 12.09 hrs, Volume= 1,576 cf
 Outflow = 0.44 cfs @ 12.09 hrs, Volume= 1,576 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.44 cfs @ 12.09 hrs, Volume= 1,576 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.44' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 16.1' Ke= 0.500 Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=207.44' TW=207.10' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.43 cfs @ 2.21 fps)

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Summary for Pond CB37: CB #37

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 2.92" for 2YR event
 Inflow = 0.08 cfs @ 12.09 hrs, Volume= 290 cf
 Outflow = 0.08 cfs @ 12.09 hrs, Volume= 290 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.08 cfs @ 12.09 hrs, Volume= 290 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.21' @ 12.09 hrs

Flood Elev= 212.66'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.07'	12.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 209.07' / 208.31' S= 0.0098 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.08 cfs @ 12.09 hrs HW=209.21' TW=208.36' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.08 cfs @ 1.82 fps)**Summary for Pond CB38: CB #38**

Inflow Area = 21,247 sf, 76.54% Impervious, Inflow Depth > 2.14" for 2YR event
 Inflow = 1.19 cfs @ 12.09 hrs, Volume= 3,796 cf
 Outflow = 1.19 cfs @ 12.09 hrs, Volume= 3,796 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.19 cfs @ 12.09 hrs, Volume= 3,796 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.39' @ 12.09 hrs

Flood Elev= 212.94'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.77'	12.0" Round Culvert L= 22.4' Ke= 0.500 Inlet / Outlet Invert= 209.77' / 209.56' S= 0.0094 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.17 cfs @ 12.09 hrs HW=210.38' TW=208.74' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.17 cfs @ 3.30 fps)**Summary for Pond CB39: CB #39**

Inflow Area = 7,773 sf, 98.44% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.55 cfs @ 12.09 hrs, Volume= 1,966 cf
 Outflow = 0.55 cfs @ 12.09 hrs, Volume= 1,966 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.55 cfs @ 12.09 hrs, Volume= 1,966 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.17' @ 12.09 hrs

Flood Elev= 212.88'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.72'	12.0" Round Culvert L= 17.3' Ke= 0.500

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Inlet / Outlet Invert= 209.72' / 209.63' S= 0.0052 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.54 cfs @ 12.09 hrs HW=210.16' TW=208.74' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.54 cfs @ 2.37 fps)

Summary for Pond CB4: CB#4

Inflow Area = 43,215 sf, 22.90% Impervious, Inflow Depth > 0.81" for 2YR event
 Inflow = 0.55 cfs @ 12.34 hrs, Volume= 2,933 cf
 Outflow = 0.55 cfs @ 12.34 hrs, Volume= 2,933 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.55 cfs @ 12.34 hrs, Volume= 2,933 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.44' @ 12.34 hrs

Flood Elev= 215.19'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.02'	15.0" Round Culvert L= 13.1' Ke= 0.500 Inlet / Outlet Invert= 212.02' / 211.96' S= 0.0046 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.55 cfs @ 12.34 hrs HW=212.44' TW=211.53' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.55 cfs @ 2.28 fps)

Summary for Pond CB40: CB #40

Inflow Area = 4,552 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,151 cf
 Outflow = 0.32 cfs @ 12.09 hrs, Volume= 1,151 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.32 cfs @ 12.09 hrs, Volume= 1,151 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.09' @ 12.09 hrs

Flood Elev= 216.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.68'	12.0" Round Culvert L= 26.7' Ke= 0.500 Inlet / Outlet Invert= 213.68' / 213.55' S= 0.0049 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.32 cfs @ 12.09 hrs HW=214.08' TW=213.97' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.32 cfs @ 1.59 fps)

Summary for Pond CB41: CB #41

Inflow Area = 12,750 sf, 69.28% Impervious, Inflow Depth > 1.98" for 2YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,099 cf
 Outflow = 0.66 cfs @ 12.09 hrs, Volume= 2,099 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.66 cfs @ 12.09 hrs, Volume= 2,099 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.39' @ 12.09 hrs

Flood Elev= 217.06'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.89'	12.0" Round Culvert L= 18.4' Ke= 0.500 Inlet / Outlet Invert= 213.89' / 213.80' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.65 cfs @ 12.09 hrs HW=214.38' TW=213.97' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.65 cfs @ 2.46 fps)**Summary for Pond CB42: CB #42**

Inflow Area = 11,269 sf, 36.46% Impervious, Inflow Depth > 1.08" for 2YR event
 Inflow = 0.31 cfs @ 12.10 hrs, Volume= 1,017 cf
 Outflow = 0.31 cfs @ 12.10 hrs, Volume= 1,017 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.31 cfs @ 12.10 hrs, Volume= 1,017 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.20' @ 12.10 hrs

Flood Elev= 221.08'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.91'	12.0" Round Culvert L= 58.1' Ke= 0.500 Inlet / Outlet Invert= 217.91' / 217.47' S= 0.0076 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.31 cfs @ 12.10 hrs HW=218.20' TW=217.57' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.31 cfs @ 2.39 fps)**Summary for Pond CB43: CB #43**

Inflow Area = 4,084 sf, 81.61% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 790 cf
 Outflow = 0.25 cfs @ 12.09 hrs, Volume= 790 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.25 cfs @ 12.09 hrs, Volume= 790 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.33' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500 Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.24 cfs @ 12.09 hrs HW=220.32' TW=220.22' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.24 cfs @ 1.64 fps)

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Summary for Pond CB44: CB #44

Inflow Area = 1,662 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 420 cf
 Outflow = 0.12 cfs @ 12.09 hrs, Volume= 420 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.12 cfs @ 12.09 hrs, Volume= 420 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.27' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500 Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.12 cfs @ 12.09 hrs HW=220.26' TW=220.22' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.12 cfs @ 1.05 fps)**Summary for Pond CB45: CB #45**

Inflow Area = 2,109 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 533 cf
 Outflow = 0.15 cfs @ 12.09 hrs, Volume= 533 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.15 cfs @ 12.09 hrs, Volume= 533 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.52' @ 12.09 hrs

Flood Elev= 224.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.29'	12.0" Round Culvert L= 18.2' Ke= 0.500 Inlet / Outlet Invert= 221.29' / 221.20' S= 0.0049 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.15 cfs @ 12.09 hrs HW=221.51' TW=221.20' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.15 cfs @ 1.67 fps)**Summary for Pond CB46: CB #46**

Inflow Area = 1,371 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.10 cfs @ 12.09 hrs, Volume= 347 cf
 Outflow = 0.10 cfs @ 12.09 hrs, Volume= 347 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.10 cfs @ 12.09 hrs, Volume= 347 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.71' @ 12.09 hrs

Flood Elev= 224.69'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.53'	12.0" Round Culvert L= 15.3' Ke= 0.500

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Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0052 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.09 cfs @ 12.09 hrs HW=221.71' TW=221.20' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.09 cfs @ 1.50 fps)

Summary for Pond CB47: CB#47

Inflow Area = 3,004 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.21 cfs @ 12.09 hrs, Volume= 760 cf
 Outflow = 0.21 cfs @ 12.09 hrs, Volume= 760 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.21 cfs @ 12.09 hrs, Volume= 760 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 225.28' @ 12.09 hrs

Flood Elev= 228.22'

Device	Routing	Invert	Outlet Devices
#1	Primary	225.05'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 225.05' / 224.27' S= 0.0373 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.21 cfs @ 12.09 hrs HW=225.27' TW=224.39' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.21 cfs @ 1.60 fps)

Summary for Pond CB48: CB#48

Inflow Area = 60,065 sf, 25.95% Impervious, Inflow Depth > 0.87" for 2YR event
 Inflow = 1.02 cfs @ 12.19 hrs, Volume= 4,337 cf
 Outflow = 1.02 cfs @ 12.19 hrs, Volume= 4,337 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.02 cfs @ 12.19 hrs, Volume= 4,337 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 224.95' @ 12.19 hrs

Flood Elev= 228.28'

Device	Routing	Invert	Outlet Devices
#1	Primary	224.47'	15.0" Round Culvert L= 16.9' Ke= 0.500 Inlet / Outlet Invert= 224.47' / 224.00' S= 0.0278 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.01 cfs @ 12.19 hrs HW=224.95' TW=224.45' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.01 cfs @ 2.35 fps)

Summary for Pond CB49: CB#49

Inflow Area = 1,659 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 420 cf
 Outflow = 0.12 cfs @ 12.09 hrs, Volume= 420 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.12 cfs @ 12.09 hrs, Volume= 420 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 216.47' @ 12.09 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	216.30'	12.0" Round Culvert L= 15.4' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.06' S= 0.0156 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.11 cfs @ 12.09 hrs HW=216.46' TW=214.82' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.11 cfs @ 1.38 fps)**Summary for Pond CB5: CB#5**

Inflow Area = 1,456 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.10 cfs @ 12.09 hrs, Volume= 368 cf
 Outflow = 0.10 cfs @ 12.09 hrs, Volume= 368 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.10 cfs @ 12.09 hrs, Volume= 368 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.29' @ 12.09 hrs

Flood Elev= 215.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.11'	12.0" Round Culvert L= 30.5' Ke= 0.500 Inlet / Outlet Invert= 212.11' / 211.96' S= 0.0049 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.10 cfs @ 12.09 hrs HW=212.29' TW=211.53' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.10 cfs @ 1.59 fps)**Summary for Pond CB50: CB#50**

Inflow Area = 6,448 sf, 27.62% Impervious, Inflow Depth > 0.92" for 2YR event
 Inflow = 0.14 cfs @ 12.10 hrs, Volume= 494 cf
 Outflow = 0.14 cfs @ 12.10 hrs, Volume= 494 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.14 cfs @ 12.10 hrs, Volume= 494 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.54' @ 12.10 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	215.36'	12.0" Round Culvert L= 17.3' Ke= 0.500 Inlet / Outlet Invert= 215.36' / 214.50' S= 0.0497 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.14 cfs @ 12.10 hrs HW=215.54' TW=214.85' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.14 cfs @ 1.46 fps)

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Summary for Pond CB6: CB#6

Inflow Area = 1,704 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 431 cf
 Outflow = 0.12 cfs @ 12.09 hrs, Volume= 431 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.12 cfs @ 12.09 hrs, Volume= 431 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.56' @ 12.09 hrs
 Flood Elev= 215.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.39'	12.0" Round Culvert L= 38.3' Ke= 0.500 Inlet / Outlet Invert= 212.39' / 211.96' S= 0.0112 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.12 cfs @ 12.09 hrs HW=212.56' TW=211.53' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 0.12 cfs @ 1.39 fps)

Summary for Pond CB7: CB#7

Inflow Area = 12,750 sf, 47.72% Impervious, Inflow Depth > 1.39" for 2YR event
 Inflow = 0.46 cfs @ 12.10 hrs, Volume= 1,475 cf
 Outflow = 0.46 cfs @ 12.10 hrs, Volume= 1,475 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.46 cfs @ 12.10 hrs, Volume= 1,475 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.95' @ 12.10 hrs
 Flood Elev= 217.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.60'	12.0" Round Culvert L= 104.0' Ke= 0.500 Inlet / Outlet Invert= 214.60' / 213.68' S= 0.0088 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.46 cfs @ 12.10 hrs HW=214.94' TW=213.26' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.46 cfs @ 2.86 fps)

Summary for Pond CB8: CB#8

Inflow Area = 38,601 sf, 25.40% Impervious, Inflow Depth > 0.86" for 2YR event
 Inflow = 0.56 cfs @ 12.28 hrs, Volume= 2,782 cf
 Outflow = 0.56 cfs @ 12.28 hrs, Volume= 2,782 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.56 cfs @ 12.28 hrs, Volume= 2,782 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.52' @ 12.28 hrs
 Flood Elev= 217.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.06'	12.0" Round Culvert L= 12.1' Ke= 0.500

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Inlet / Outlet Invert= 214.06' / 214.00' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.56 cfs @ 12.28 hrs HW=214.52' TW=213.24' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.56 cfs @ 2.34 fps)

Summary for Pond CB9: CB #9

Inflow Area = 13,846 sf, 80.54% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.89 cfs @ 12.09 hrs, Volume= 2,898 cf
 Outflow = 0.89 cfs @ 12.09 hrs, Volume= 2,898 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.89 cfs @ 12.09 hrs, Volume= 2,898 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.58' @ 12.09 hrs

Flood Elev= 213.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.10'	12.0" Round Culvert L= 19.9' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 209.71' S= 0.0196 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.86 cfs @ 12.09 hrs HW=210.58' TW=209.88' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.86 cfs @ 2.35 fps)

Summary for Pond D1: DMH#1

Inflow Area = 231,175 sf, 36.91% Impervious, Inflow Depth > 1.17" for 2YR event
 Inflow = 4.77 cfs @ 12.12 hrs, Volume= 22,473 cf
 Outflow = 4.77 cfs @ 12.12 hrs, Volume= 22,473 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.77 cfs @ 12.12 hrs, Volume= 22,473 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.94' @ 12.12 hrs

Flood Elev= 209.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.90'	30.0" Round Culvert L= 24.6' Ke= 0.500 Inlet / Outlet Invert= 202.90' / 202.78' S= 0.0049 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=4.66 cfs @ 12.12 hrs HW=203.93' TW=197.84' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 4.66 cfs @ 3.61 fps)

Summary for Pond D10: DMH #10

Inflow Area = 44,046 sf, 62.59% Impervious, Inflow Depth > 1.79" for 2YR event
 Inflow = 2.08 cfs @ 12.10 hrs, Volume= 6,567 cf
 Outflow = 2.08 cfs @ 12.10 hrs, Volume= 6,567 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.08 cfs @ 12.10 hrs, Volume= 6,567 cf

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Peak Elev= 202.88' @ 12.10 hrs

Flood Elev= 206.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.08'	18.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 202.08' / 202.00' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.07 cfs @ 12.10 hrs HW=202.88' TW=195.48' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 2.07 cfs @ 3.13 fps)**Summary for Pond D11: DMH #11**

Inflow Area = 35,720 sf, 61.80% Impervious, Inflow Depth > 1.87" for 2YR event
 Inflow = 1.76 cfs @ 12.10 hrs, Volume= 5,558 cf
 Outflow = 1.76 cfs @ 12.10 hrs, Volume= 5,558 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.76 cfs @ 12.10 hrs, Volume= 5,558 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.44' @ 12.10 hrs

Flood Elev= 208.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.77'	15.0" Round Culvert L= 246.5' Ke= 0.500 Inlet / Outlet Invert= 204.77' / 203.04' S= 0.0070 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.76 cfs @ 12.10 hrs HW=205.44' TW=202.88' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.76 cfs @ 3.79 fps)**Summary for Pond D12: DMH #12**

Inflow Area = 27,274 sf, 86.03% Impervious, Inflow Depth > 2.55" for 2YR event
 Inflow = 1.76 cfs @ 12.09 hrs, Volume= 5,805 cf
 Outflow = 1.76 cfs @ 12.09 hrs, Volume= 5,805 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.76 cfs @ 12.09 hrs, Volume= 5,805 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.08' @ 12.09 hrs

Flood Elev= 207.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.21'	12.0" Round Culvert L= 41.9' Ke= 0.500 Inlet / Outlet Invert= 203.21' / 203.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.72 cfs @ 12.09 hrs HW=204.06' TW=202.88' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.72 cfs @ 3.24 fps)

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Summary for Pond D13: DMH #13

Inflow Area = 73,384 sf, 65.02% Impervious, Inflow Depth > 2.06" for 2YR event
 Inflow = 3.70 cfs @ 12.09 hrs, Volume= 12,578 cf
 Outflow = 3.70 cfs @ 12.09 hrs, Volume= 12,578 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.70 cfs @ 12.09 hrs, Volume= 12,578 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.90' @ 12.09 hrs

Flood Elev= 208.12'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.95'	24.0" Round Culvert L= 60.1' Ke= 0.500 Inlet / Outlet Invert= 201.95' / 201.65' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.61 cfs @ 12.09 hrs HW=202.89' TW=195.45' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 3.61 cfs @ 3.67 fps)**Summary for Pond D14: DMH #14**

Inflow Area = 24,136 sf, 87.59% Impervious, Inflow Depth > 2.79" for 2YR event
 Inflow = 1.65 cfs @ 12.09 hrs, Volume= 5,612 cf
 Outflow = 1.65 cfs @ 12.09 hrs, Volume= 5,612 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.65 cfs @ 12.09 hrs, Volume= 5,612 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.96' @ 12.09 hrs

Flood Elev= 208.81'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.28'	15.0" Round Culvert L= 246.6' Ke= 0.500 Inlet / Outlet Invert= 204.28' / 203.05' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.60 cfs @ 12.09 hrs HW=204.95' TW=202.88' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 1.60 cfs @ 3.47 fps)**Summary for Pond D16: DMH #16**

Inflow Area = 11,655 sf, 94.18% Impervious, Inflow Depth > 2.90" for 2YR event
 Inflow = 0.81 cfs @ 12.09 hrs, Volume= 2,815 cf
 Outflow = 0.81 cfs @ 12.09 hrs, Volume= 2,815 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.81 cfs @ 12.09 hrs, Volume= 2,815 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.42' @ 12.09 hrs

Flood Elev= 208.59'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.90'	15.0" Round Culvert L= 103.5' Ke= 0.500

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Inlet / Outlet Invert= 204.90' / 204.38' S= 0.0050 ' / ' Cc= 0.900
 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.79 cfs @ 12.09 hrs HW=205.41' TW=204.95' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.79 cfs @ 2.48 fps)

Summary for Pond D17: DMH #17

Inflow Area = 21,693 sf, 85.31% Impervious, Inflow Depth > 2.78" for 2YR event
 Inflow = 1.47 cfs @ 12.09 hrs, Volume= 5,034 cf
 Outflow = 1.47 cfs @ 12.09 hrs, Volume= 5,034 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.47 cfs @ 12.09 hrs, Volume= 5,034 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.20' @ 12.09 hrs

Flood Elev= 204.84'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.55'	12.0" Round Culvert L= 91.6' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 197.69' S= 0.0312 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.44 cfs @ 12.09 hrs HW=201.19' TW=198.25' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.44 cfs @ 2.72 fps)

Summary for Pond D18: DMH #18

Inflow Area = 31,866 sf, 74.79% Impervious, Inflow Depth > 2.55" for 2YR event
 Inflow = 2.02 cfs @ 12.09 hrs, Volume= 6,779 cf
 Outflow = 2.02 cfs @ 12.09 hrs, Volume= 6,779 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.02 cfs @ 12.09 hrs, Volume= 6,779 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 198.27' @ 12.09 hrs

Flood Elev= 201.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.44'	15.0" Round Culvert L= 51.4' Ke= 0.500 Inlet / Outlet Invert= 197.44' / 197.18' S= 0.0051 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.97 cfs @ 12.09 hrs HW=198.25' TW=195.65' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.97 cfs @ 3.31 fps)

Summary for Pond D19: DMH #19

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 2.27" for 2YR event
 Inflow = 1.05 cfs @ 12.09 hrs, Volume= 3,381 cf
 Outflow = 1.05 cfs @ 12.09 hrs, Volume= 3,381 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.05 cfs @ 12.09 hrs, Volume= 3,381 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.75' @ 12.09 hrs

Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.19'	12.0" Round Culvert L= 82.5' Ke= 0.500 Inlet / Outlet Invert= 205.19' / 204.43' S= 0.0092 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.03 cfs @ 12.09 hrs HW=205.74' TW=204.95' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.03 cfs @ 3.34 fps)**Summary for Pond D2: DMH#2**

Inflow Area = 212,306 sf, 33.64% Impervious, Inflow Depth > 1.07" for 2YR event
 Inflow = 3.74 cfs @ 12.15 hrs, Volume= 18,964 cf
 Outflow = 3.74 cfs @ 12.15 hrs, Volume= 18,964 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.74 cfs @ 12.15 hrs, Volume= 18,964 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.05' @ 12.15 hrs

Flood Elev= 211.04'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.29'	30.0" Round Culvert L= 129.9' Ke= 0.500 Inlet / Outlet Invert= 206.29' / 204.41' S= 0.0145 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=3.73 cfs @ 12.15 hrs HW=207.05' TW=203.92' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 3.73 cfs @ 2.97 fps)**Summary for Pond D20: DMH #20**

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 2.27" for 2YR event
 Inflow = 1.05 cfs @ 12.09 hrs, Volume= 3,381 cf
 Outflow = 1.05 cfs @ 12.09 hrs, Volume= 3,381 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.05 cfs @ 12.09 hrs, Volume= 3,381 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.96' @ 12.09 hrs

Flood Elev= 207.68'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.33'	12.0" Round Culvert L= 63.5' Ke= 0.500 Inlet / Outlet Invert= 204.33' / 204.02' S= 0.0049 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.03 cfs @ 12.09 hrs HW=204.95' TW=203.96' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.03 cfs @ 2.87 fps)

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Summary for Pond D21: DMH #21

Inflow Area = 62,419 sf, 72.53% Impervious, Inflow Depth > 2.37" for 2YR event
 Inflow = 3.77 cfs @ 12.09 hrs, Volume= 12,346 cf
 Outflow = 3.77 cfs @ 12.09 hrs, Volume= 12,346 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.77 cfs @ 12.09 hrs, Volume= 12,346 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.97' @ 12.09 hrs

Flood Elev= 207.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.02'	24.0" Round Culvert L= 72.4' Ke= 0.500 Inlet / Outlet Invert= 203.02' / 202.66' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.68 cfs @ 12.09 hrs HW=203.96' TW=200.46' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 3.68 cfs @ 3.72 fps)**Summary for Pond D22: DMH #22**

Inflow Area = 20,621 sf, 88.31% Impervious, Inflow Depth > 2.74" for 2YR event
 Inflow = 1.38 cfs @ 12.09 hrs, Volume= 4,707 cf
 Outflow = 1.38 cfs @ 12.09 hrs, Volume= 4,707 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.38 cfs @ 12.09 hrs, Volume= 4,707 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.47' @ 12.09 hrs

Flood Elev= 208.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.87'	15.0" Round Culvert L= 134.2' Ke= 0.500 Inlet / Outlet Invert= 204.87' / 203.92' S= 0.0071 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.35 cfs @ 12.09 hrs HW=205.46' TW=203.96' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 1.35 cfs @ 3.47 fps)**Summary for Pond D23: DMH #23**

Inflow Area = 10,312 sf, 99.33% Impervious, Inflow Depth > 3.02" for 2YR event
 Inflow = 0.73 cfs @ 12.09 hrs, Volume= 2,597 cf
 Outflow = 0.73 cfs @ 12.09 hrs, Volume= 2,597 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.73 cfs @ 12.09 hrs, Volume= 2,597 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.10' @ 12.09 hrs

Flood Elev= 210.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.70'	15.0" Round Culvert L= 173.3' Ke= 0.500

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Inlet / Outlet Invert= 206.70' / 204.97' S= 0.0100 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.71 cfs @ 12.09 hrs HW=207.10' TW=205.46' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.71 cfs @ 2.14 fps)

Summary for Pond D24: DMH #24

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 2.92" for 2YR event
 Inflow = 0.08 cfs @ 12.09 hrs, Volume= 290 cf
 Outflow = 0.08 cfs @ 12.09 hrs, Volume= 290 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.08 cfs @ 12.09 hrs, Volume= 290 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.36' @ 12.09 hrs

Flood Elev= 211.62'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.21'	12.0" Round Culvert L= 140.9' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 207.13' S= 0.0077 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.08 cfs @ 12.09 hrs HW=208.36' TW=207.10' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.08 cfs @ 1.69 fps)

Summary for Pond D25: DMH #25

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 2.18" for 2YR event
 Inflow = 3.65 cfs @ 12.09 hrs, Volume= 12,120 cf
 Outflow = 3.65 cfs @ 12.09 hrs, Volume= 12,120 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.65 cfs @ 12.09 hrs, Volume= 12,120 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.75' @ 12.09 hrs

Flood Elev= 213.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.75'	18.0" Round Culvert L= 165.0' Ke= 0.500 Inlet / Outlet Invert= 207.75' / 206.93' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.57 cfs @ 12.09 hrs HW=208.74' TW=207.35' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.57 cfs @ 4.10 fps)

Summary for Pond D26: DMH #26

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 2.18" for 2YR event
 Inflow = 3.65 cfs @ 12.09 hrs, Volume= 12,120 cf
 Outflow = 3.65 cfs @ 12.09 hrs, Volume= 12,120 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.65 cfs @ 12.09 hrs, Volume= 12,120 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.36' @ 12.09 hrs

Flood Elev= 213.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.43'	24.0" Round Culvert L= 72.0' Ke= 0.500 Inlet / Outlet Invert= 206.43' / 206.07' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.57 cfs @ 12.09 hrs HW=207.35' TW=202.14' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.57 cfs @ 3.70 fps)**Summary for Pond D27: DMH #27**

Inflow Area = 37,797 sf, 68.71% Impervious, Inflow Depth > 2.02" for 2YR event
 Inflow = 1.90 cfs @ 12.09 hrs, Volume= 6,358 cf
 Outflow = 1.90 cfs @ 12.09 hrs, Volume= 6,358 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.90 cfs @ 12.09 hrs, Volume= 6,358 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.98' @ 12.09 hrs

Flood Elev= 217.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.30'	15.0" Round Culvert L= 247.1' Ke= 0.500 Inlet / Outlet Invert= 213.30' / 208.48' S= 0.0195 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.86 cfs @ 12.09 hrs HW=213.97' TW=208.74' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.86 cfs @ 2.79 fps)**Summary for Pond D28: DMH #28**

Inflow Area = 20,495 sf, 61.40% Impervious, Inflow Depth > 1.82" for 2YR event
 Inflow = 0.92 cfs @ 12.09 hrs, Volume= 3,108 cf
 Outflow = 0.92 cfs @ 12.09 hrs, Volume= 3,108 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.92 cfs @ 12.09 hrs, Volume= 3,108 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.57' @ 12.09 hrs

Flood Elev= 220.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.12'	15.0" Round Culvert L= 189.5' Ke= 0.500 Inlet / Outlet Invert= 217.12' / 213.40' S= 0.0196 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.90 cfs @ 12.09 hrs HW=217.57' TW=213.97' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.90 cfs @ 2.28 fps)

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Summary for Pond D29: DMH #29

Inflow Area = 9,226 sf, 91.86% Impervious, Inflow Depth > 2.72" for 2YR event
 Inflow = 0.61 cfs @ 12.09 hrs, Volume= 2,091 cf
 Outflow = 0.61 cfs @ 12.09 hrs, Volume= 2,091 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.61 cfs @ 12.09 hrs, Volume= 2,091 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.22' @ 12.09 hrs

Flood Elev= 223.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	219.83'	12.0" Round Culvert L= 118.4' Ke= 0.500 Inlet / Outlet Invert= 219.83' / 217.54' S= 0.0193 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.09 hrs HW=220.22' TW=217.57' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 0.60 cfs @ 2.12 fps)**Summary for Pond D3: DMH#3**

Inflow Area = 168,902 sf, 30.18% Impervious, Inflow Depth > 0.99" for 2YR event
 Inflow = 2.67 cfs @ 12.17 hrs, Volume= 13,999 cf
 Outflow = 2.67 cfs @ 12.17 hrs, Volume= 13,999 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.67 cfs @ 12.17 hrs, Volume= 13,999 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.58' @ 12.17 hrs

Flood Elev= 215.29'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	24.0" Round Culvert L= 282.0' Ke= 0.500 Inlet / Outlet Invert= 210.90' / 206.79' S= 0.0146 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=2.65 cfs @ 12.17 hrs HW=211.58' TW=207.04' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 2.65 cfs @ 2.81 fps)**Summary for Pond D30: DMH #30**

Inflow Area = 3,480 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 880 cf
 Outflow = 0.25 cfs @ 12.09 hrs, Volume= 880 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.25 cfs @ 12.09 hrs, Volume= 880 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.21' @ 12.09 hrs

Flood Elev= 224.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.92'	12.0" Round Culvert L= 184.2' Ke= 0.500

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Inlet / Outlet Invert= 220.92' / 220.00' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.24 cfs @ 12.09 hrs HW=221.20' TW=220.22' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.24 cfs @ 2.00 fps)

Summary for Pond D31: DMH#31

Inflow Area = 63,069 sf, 29.48% Impervious, Inflow Depth > 0.97" for 2YR event
 Inflow = 1.17 cfs @ 12.17 hrs, Volume= 5,097 cf
 Outflow = 1.17 cfs @ 12.17 hrs, Volume= 5,097 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.17 cfs @ 12.17 hrs, Volume= 5,097 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 224.46' @ 12.17 hrs

Flood Elev= 227.44'

Device	Routing	Invert	Outlet Devices
#1	Primary	223.94'	15.0" Round Culvert L= 158.7' Ke= 0.500 Inlet / Outlet Invert= 223.94' / 214.45' S= 0.0598 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.15 cfs @ 12.17 hrs HW=224.45' TW=214.87' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.15 cfs @ 2.44 fps)

Summary for Pond D32: DMH#32

Inflow Area = 71,176 sf, 30.95% Impervious, Inflow Depth > 1.01" for 2YR event
 Inflow = 1.38 cfs @ 12.16 hrs, Volume= 6,011 cf
 Outflow = 1.38 cfs @ 12.16 hrs, Volume= 6,011 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.38 cfs @ 12.16 hrs, Volume= 6,011 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.88' @ 12.16 hrs

Flood Elev= 219.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.25'	15.0" Round Culvert L= 122.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 213.64' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.37 cfs @ 12.16 hrs HW=214.88' TW=213.29' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.37 cfs @ 3.25 fps)

Summary for Pond D4: DMH#4

Inflow Area = 122,527 sf, 30.95% Impervious, Inflow Depth > 1.01" for 2YR event
 Inflow = 2.16 cfs @ 12.16 hrs, Volume= 10,267 cf
 Outflow = 2.16 cfs @ 12.16 hrs, Volume= 10,267 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.16 cfs @ 12.16 hrs, Volume= 10,267 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.29' @ 12.16 hrs

Flood Elev= 217.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.68'	24.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 212.68' / 211.04' S= 0.0125 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=2.15 cfs @ 12.16 hrs HW=213.29' TW=211.58' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.15 cfs @ 2.66 fps)**Summary for Pond D5: DMH #5**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 2.39" for 2YR event
 Inflow = 2.28 cfs @ 12.09 hrs, Volume= 7,537 cf
 Outflow = 2.28 cfs @ 12.09 hrs, Volume= 7,537 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.28 cfs @ 12.09 hrs, Volume= 7,537 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.89' @ 12.09 hrs

Flood Elev= 212.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.09'	18.0" Round Culvert L= 183.0' Ke= 0.500 Inlet / Outlet Invert= 209.09' / 208.17' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.23 cfs @ 12.09 hrs HW=209.88' TW=208.84' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 2.23 cfs @ 3.44 fps)**Summary for Pond D6: DMH #6**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 2.39" for 2YR event
 Inflow = 2.28 cfs @ 12.09 hrs, Volume= 7,537 cf
 Outflow = 2.28 cfs @ 12.09 hrs, Volume= 7,537 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.28 cfs @ 12.09 hrs, Volume= 7,537 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.85' @ 12.09 hrs

Flood Elev= 214.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.07'	18.0" Round Culvert L= 299.7' Ke= 0.500 Inlet / Outlet Invert= 208.07' / 206.57' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.23 cfs @ 12.09 hrs HW=208.84' TW=206.82' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 2.23 cfs @ 3.58 fps)

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Summary for Pond D7: DMH #7

Inflow Area = 55,267 sf, 67.83% Impervious, Inflow Depth > 2.28" for 2YR event
 Inflow = 3.22 cfs @ 12.09 hrs, Volume= 10,505 cf
 Outflow = 3.22 cfs @ 12.09 hrs, Volume= 10,505 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.22 cfs @ 12.09 hrs, Volume= 10,505 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.83' @ 12.09 hrs

Flood Elev= 213.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.97'	24.0" Round Culvert L= 101.8' Ke= 0.500 Inlet / Outlet Invert= 205.97' / 205.46' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.14 cfs @ 12.09 hrs HW=206.82' TW=200.46' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 3.14 cfs @ 3.66 fps)**Summary for Pond D8: DMH #8**

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 2.05" for 2YR event
 Inflow = 0.90 cfs @ 12.09 hrs, Volume= 2,973 cf
 Outflow = 0.90 cfs @ 12.09 hrs, Volume= 2,973 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.90 cfs @ 12.09 hrs, Volume= 2,973 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.15' @ 12.09 hrs

Flood Elev= 204.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.57'	12.0" Round Culvert L= 87.7' Ke= 0.500 Inlet / Outlet Invert= 200.57' / 200.13' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.88 cfs @ 12.09 hrs HW=201.15' TW=200.62' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 0.88 cfs @ 2.71 fps)**Summary for Pond D9: DMH #9**

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 2.05" for 2YR event
 Inflow = 0.90 cfs @ 12.09 hrs, Volume= 2,973 cf
 Outflow = 0.90 cfs @ 12.09 hrs, Volume= 2,973 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.90 cfs @ 12.09 hrs, Volume= 2,973 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.62' @ 12.09 hrs

Flood Elev= 204.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.03'	12.0" Round Culvert L= 11.9' Ke= 0.500

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Inlet / Outlet Invert= 200.03' / 199.97' S= 0.0050 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.88 cfs @ 12.09 hrs HW=200.62' TW=195.45' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.88 cfs @ 2.64 fps)

Summary for Pond DE1: DRIP #1

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.58 hrs, Volume= 596 cf, Atten= 84%, Lag= 29.4 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 582 cf
 Primary = 0.01 cfs @ 12.58 hrs, Volume= 14 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 223.58' @ 12.58 hrs Surf.Area= 321 sf Storage= 205 cf

Plug-Flow detention time= 79.0 min calculated for 596 cf (100% of inflow)

Center-of-Mass det. time= 78.9 min (864.8 - 785.9)

Volume	Invert	Avail.Storage	Storage Description
#1	221.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.99	321	0.0	0	0
222.00	321	40.0	1	1
224.99	321	40.0	384	385
225.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	224.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.50' / 223.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=222.04' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.58 hrs HW=223.58' TW=218.00' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.01 cfs @ 0.92 fps)

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Summary for Pond DE10: DRIP #10

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 550 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 550 cf, Atten= 83%, Lag= 28.0 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 534 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.59' @ 12.56 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 549 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (857.0 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	290	0.0	0	0
212.00	290	40.0	1	1
214.99	290	40.0	347	348
215.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=212.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.56 hrs HW=213.59' TW=201.21' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE11: DRIP #11

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 619 cf
 Outflow = 0.04 cfs @ 12.53 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.7 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 597 cf
 Primary = 0.02 cfs @ 12.53 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.61' @ 12.53 hrs Surf.Area= 321 sf Storage= 208 cf

Plug-Flow detention time= 77.3 min calculated for 618 cf (100% of inflow)

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Center-of-Mass det. time= 77.0 min (856.9 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=211.03' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.02 cfs @ 12.53 hrs HW=212.61' TW=201.20' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.02 cfs @ 1.06 fps)**Summary for Pond DE12: DRIP #12**

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 779 cf
 Outflow = 0.17 cfs @ 12.17 hrs, Volume= 779 cf, Atten= 24%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 11.35 hrs, Volume= 581 cf
 Primary = 0.16 cfs @ 12.17 hrs, Volume= 198 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.09' @ 12.17 hrs Surf.Area= 285 sf Storage= 160 cf

Plug-Flow detention time= 41.0 min calculated for 779 cf (100% of inflow)

Center-of-Mass det. time= 40.8 min (813.8 - 773.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.69'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.69	285	0.0	0	0
210.70	285	40.0	1	1
213.69	285	40.0	341	342
213.70	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.70'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.70' / 211.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.69'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.35 hrs HW=210.72' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.17 hrs HW=212.08' TW=200.67' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE13: DRIP #13**

Inflow Area = 4,097 sf, 90.68% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.28 cfs @ 12.09 hrs, Volume= 962 cf
 Outflow = 0.12 cfs @ 12.31 hrs, Volume= 961 cf, Atten= 59%, Lag= 13.4 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 821 cf
 Primary = 0.09 cfs @ 12.31 hrs, Volume= 141 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.77' @ 12.31 hrs Surf.Area= 382 sf Storage= 272 cf

Plug-Flow detention time= 70.9 min calculated for 961 cf (100% of inflow)

Center-of-Mass det. time= 70.8 min (843.8 - 773.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	462 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	382	0.0	0	0
210.00	382	40.0	2	2
212.99	382	40.0	457	458
213.00	382	100.0	4	462

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=210.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.09 cfs @ 12.31 hrs HW=211.77' TW=200.96' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.09 cfs @ 1.68 fps)**Summary for Pond DE14: DRIP #14**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.71" for 2YR event

Inflow = 0.16 cfs @ 12.09 hrs, Volume= 550 cf

Outflow = 0.03 cfs @ 12.56 hrs, Volume= 550 cf, Atten= 83%, Lag= 28.0 min

Discarded = 0.02 cfs @ 11.45 hrs, Volume= 534 cf

Primary = 0.01 cfs @ 12.56 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.99' @ 12.56 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 549 cf (100% of inflow)

Center-of-Mass det. time= 77.1 min (857.0 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.39'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.39	290	0.0	0	0
208.40	290	40.0	1	1
211.39	290	40.0	347	348
211.40	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	211.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.90' / 209.85' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=208.40' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.56 hrs HW=209.99' TW=201.21' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

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Summary for Pond DE15: DRIP #15

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 418 cf
 Outflow = 0.02 cfs @ 11.65 hrs, Volume= 418 cf, Atten= 87%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 418 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.94' @ 12.66 hrs Surf.Area= 290 sf Storage= 133 cf

Plug-Flow detention time= 54.7 min calculated for 418 cf (100% of inflow)
 Center-of-Mass det. time= 54.6 min (840.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	290	0.0	0	0
207.80	290	40.0	1	1
210.79	290	40.0	347	348
210.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.30' / 209.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=207.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=207.79' TW=200.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE16: DRIP #16

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 550 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 550 cf, Atten= 83%, Lag= 28.0 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 534 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.89' @ 12.56 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 549 cf (100% of inflow)

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Center-of-Mass det. time= 77.1 min (857.0 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.29	290	0.0	0	0
207.30	290	40.0	1	1
210.29	290	40.0	347	348
210.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.80' / 208.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=207.30' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.56 hrs HW=208.89' TW=201.21' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)**Summary for Pond DE17: DRIP #17**

Inflow Area = 1,970 sf, 85.94% Impervious, Inflow Depth > 2.23" for 2YR event
 Inflow = 0.11 cfs @ 12.09 hrs, Volume= 366 cf
 Outflow = 0.02 cfs @ 11.80 hrs, Volume= 366 cf, Atten= 87%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.80 hrs, Volume= 366 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.15' @ 12.65 hrs Surf.Area= 277 sf Storage= 117 cf

Plug-Flow detention time= 52.1 min calculated for 366 cf (100% of inflow)

Center-of-Mass det. time= 51.9 min (857.5 - 805.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	203.09'	335 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.09	277	0.0	0	0
203.10	277	40.0	1	1
206.09	277	40.0	331	332
206.10	277	100.0	3	335

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Device	Routing	Invert	Outlet Devices
#1	Primary	206.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	204.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.60' / 204.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	203.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.80 hrs HW=203.14' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=203.09' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE18: DRIP #18**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 530 cf
 Outflow = 0.02 cfs @ 11.60 hrs, Volume= 530 cf, Atten= 89%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.60 hrs, Volume= 530 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.24' @ 12.85 hrs Surf.Area= 321 sf Storage= 186 cf

Plug-Flow detention time= 77.3 min calculated for 529 cf (100% of inflow)

Center-of-Mass det. time= 77.0 min (878.2 - 801.2)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.79'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.79	321	0.0	0	0
204.80	321	40.0	1	1
207.79	321	40.0	384	385
207.80	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	207.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.30' / 206.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	204.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.60 hrs HW=204.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=204.79' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↓ **2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE19: DRIP #19**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 471 cf
 Outflow = 0.02 cfs @ 11.75 hrs, Volume= 471 cf, Atten= 89%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.75 hrs, Volume= 471 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.00' @ 12.83 hrs Surf.Area= 290 sf Storage= 164 cf

Plug-Flow detention time= 74.9 min calculated for 470 cf (100% of inflow)

Center-of-Mass det. time= 74.6 min (875.7 - 801.2)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.59	290	0.0	0	0
205.60	290	40.0	1	1
208.59	290	40.0	347	348
208.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	208.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.10' / 207.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	205.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.75 hrs HW=205.64' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=205.59' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↓ **2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE2: DRIP #2

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.42" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 387 cf
 Outflow = 0.02 cfs @ 11.65 hrs, Volume= 387 cf, Atten= 86%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 387 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 222.84' @ 12.64 hrs Surf.Area= 290 sf Storage= 122 cf

Plug-Flow detention time= 50.4 min calculated for 387 cf (100% of inflow)
 Center-of-Mass det. time= 50.2 min (846.7 - 796.5)

Volume	Invert	Avail.Storage	Storage Description	
#1	221.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.79	290	0.0	0	0
221.80	290	40.0	1	1
224.79	290	40.0	347	348
224.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	224.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.00' / 222.95' S= 0.0050 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=221.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=221.79' TW=218.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE20: DRIP #20

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.23" for 2YR event
 Inflow = 0.11 cfs @ 12.09 hrs, Volume= 357 cf
 Outflow = 0.06 cfs @ 12.00 hrs, Volume= 357 cf, Atten= 50%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 12.00 hrs, Volume= 357 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

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Peak Elev= 206.55' @ 12.25 hrs Surf.Area= 290 sf Storage= 30 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 2.2 min (807.7 - 805.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.29	290	0.0	0	0
206.30	290	40.0	1	1
209.29	290	40.0	347	348
209.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	209.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.29'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 12.00 hrs HW=206.31' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=206.29' TW=200.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE21: DRIP #21**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=3)

Inflow Area = 1,961 sf, 86.33% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 379 cf
 Outflow = 0.05 cfs @ 12.05 hrs, Volume= 380 cf, Atten= 56%, Lag= 0.0 min
 Discarded = 0.05 cfs @ 12.05 hrs, Volume= 380 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.05' @ 12.29 hrs Surf.Area= 268 sf Storage= 39 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 3.2 min (804.4 - 801.2)

Volume	Invert	Avail.Storage	Storage Description
#1	206.69'	324 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.69	268	0.0	0	0
206.70	268	40.0	1	1
209.69	268	40.0	321	322
209.70	268	100.0	3	324

Device	Routing	Invert	Outlet Devices
#1	Primary	209.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.20'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.20' / 208.15' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.69'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 12.05 hrs HW=206.79' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=206.69' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE22: DRIP #22**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 779 cf
 Outflow = 0.05 cfs @ 11.85 hrs, Volume= 779 cf, Atten= 76%, Lag= 0.0 min
 Discarded = 0.05 cfs @ 11.85 hrs, Volume= 779 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.91' @ 12.47 hrs Surf.Area= 285 sf Storage= 162 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 14.3 min (787.3 - 773.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.49'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.49	285	0.0	0	0
207.50	285	40.0	1	1
210.49	285	40.0	341	342
210.50	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.49'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 11.85 hrs HW=207.55' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=207.49' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE23: DRIP #23**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.05 cfs @ 11.95 hrs, Volume= 529 cf, Atten= 67%, Lag= 0.0 min
 Discarded = 0.05 cfs @ 11.95 hrs, Volume= 529 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.71' @ 12.38 hrs Surf.Area= 272 sf Storage= 78 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 6.5 min (786.3 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	272	0.0	0	0
208.00	272	40.0	1	1
210.99	272	40.0	325	326
211.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.50'	4.0" Round Culvert L= 10.0' Ke= 0.200 Inlet / Outlet Invert= 209.50' / 209.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.05 cfs @ 11.95 hrs HW=208.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=207.99' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↓ **2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE24: DRIP #24**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 619 cf
 Outflow = 0.06 cfs @ 11.95 hrs, Volume= 619 cf, Atten= 67%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 11.95 hrs, Volume= 619 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.30' @ 12.38 hrs Surf.Area= 321 sf Storage= 91 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 6.4 min (786.2 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.59'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.59	321	0.0	0	0
208.60	321	40.0	1	1
211.59	321	40.0	384	385
211.60	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.60' / 210.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.59'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 11.95 hrs HW=208.63' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=208.59' TW=202.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↓ **2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE25: DRIP #25

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 619 cf
 Outflow = 0.04 cfs @ 12.53 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 597 cf
 Primary = 0.02 cfs @ 12.53 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.91' @ 12.53 hrs Surf.Area= 321 sf Storage= 208 cf

Plug-Flow detention time= 77.3 min calculated for 618 cf (100% of inflow)
 Center-of-Mass det. time= 77.0 min (856.9 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.29'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.29	321	0.0	0	0
209.30	321	40.0	1	1
212.29	321	40.0	384	385
212.30	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	212.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.80' / 210.75' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=209.30' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.53 hrs HW=210.91' TW=202.01' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.06 fps)

Summary for Pond DE26: DRIP #26

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.52 hrs, Volume= 527 cf, Atten= 79%, Lag= 25.7 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 507 cf
 Primary = 0.02 cfs @ 12.52 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.61' @ 12.52 hrs Surf.Area= 272 sf Storage= 176 cf

Plug-Flow detention time= 76.8 min calculated for 527 cf (100% of inflow)

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Center-of-Mass det. time= 76.6 min (856.5 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=210.03' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.02 cfs @ 12.52 hrs HW=211.61' TW=202.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.02 cfs @ 1.06 fps)**Summary for Pond DE27: DRIP #27**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 550 cf
 Outflow = 0.13 cfs @ 12.16 hrs, Volume= 550 cf, Atten= 22%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 418 cf
 Primary = 0.11 cfs @ 12.16 hrs, Volume= 131 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.40' @ 12.16 hrs Surf.Area= 290 sf Storage= 94 cf

Plug-Flow detention time= 19.4 min calculated for 549 cf (100% of inflow)

Center-of-Mass det. time= 19.3 min (799.1 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	235 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	290	0.0	0	0
211.60	290	40.0	1	1
213.59	290	40.0	231	232
213.60	290	100.0	3	235

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=211.62' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.11 cfs @ 12.16 hrs HW=212.40' TW=202.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.11 cfs @ 1.75 fps)**Summary for Pond DE28: DRIP #28**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 550 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 550 cf, Atten= 83%, Lag= 28.0 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 534 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.09' @ 12.56 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 549 cf (100% of inflow)

Center-of-Mass det. time= 77.1 min (857.0 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.49	290	0.0	0	0
211.50	290	40.0	1	1
214.49	290	40.0	347	348
214.50	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=211.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.56 hrs HW=213.09' TW=202.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)**Summary for Pond DE29: DRIP #29**

Inflow Area = 2,335 sf, 88.31% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 528 cf
 Outflow = 0.08 cfs @ 12.24 hrs, Volume= 528 cf, Atten= 48%, Lag= 8.9 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 442 cf
 Primary = 0.07 cfs @ 12.24 hrs, Volume= 85 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.22' @ 12.24 hrs Surf.Area= 273 sf Storage= 124 cf

Plug-Flow detention time= 38.9 min calculated for 526 cf (100% of inflow)

Center-of-Mass det. time= 38.7 min (818.5 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.09'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.09	273	0.0	0	0
212.10	273	40.0	1	1
215.09	273	40.0	327	328
215.10	273	100.0	3	330

Device	Routing	Invert	Outlet Devices
#1	Primary	215.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=212.13' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.07 cfs @ 12.24 hrs HW=213.22' TW=204.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.07 cfs @ 1.53 fps)

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Summary for Pond DE3: DRIP #3

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 508 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 508 cf, Atten= 83%, Lag= 28.5 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 494 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 222.39' @ 12.56 hrs Surf.Area= 272 sf Storage= 174 cf

Plug-Flow detention time= 78.7 min calculated for 508 cf (100% of inflow)

Center-of-Mass det. time= 78.6 min (864.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	220.79'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
220.79	272	0.0	0	0
220.80	272	40.0	1	1
223.79	272	40.0	325	326
223.80	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	223.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	222.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 222.30' / 222.25' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	220.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=220.80' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.56 hrs HW=222.38' TW=218.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.01 cfs @ 0.93 fps)**Summary for Pond DE30: DRIP #30**

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 619 cf
 Outflow = 0.08 cfs @ 12.31 hrs, Volume= 619 cf, Atten= 58%, Lag= 13.2 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 540 cf
 Primary = 0.06 cfs @ 12.31 hrs, Volume= 79 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.46' @ 12.31 hrs Surf.Area= 322 sf Storage= 163 cf

Plug-Flow detention time= 47.9 min calculated for 618 cf (100% of inflow)

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Center-of-Mass det. time= 47.7 min (827.5 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	390 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	322	0.0	0	0
212.20	322	40.0	1	1
215.19	322	40.0	385	386
215.20	322	100.0	3	390

Device	Routing	Invert	Outlet Devices
#1	Primary	215.10'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.25'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.25' / 213.20' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=212.22' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.06 cfs @ 12.31 hrs HW=213.45' TW=204.00' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.06 cfs @ 1.48 fps)**Summary for Pond DE31: DRIP #31**

Inflow Area = 2,748 sf, 88.03% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 621 cf
 Outflow = 0.03 cfs @ 12.57 hrs, Volume= 621 cf, Atten= 83%, Lag= 28.7 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 605 cf
 Primary = 0.01 cfs @ 12.57 hrs, Volume= 16 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.59' @ 12.57 hrs Surf.Area= 329 sf Storage= 211 cf

Plug-Flow detention time= 77.7 min calculated for 620 cf (100% of inflow)

Center-of-Mass det. time= 77.4 min (857.3 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	398 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	329	0.0	0	0
212.00	329	40.0	1	1
214.99	329	40.0	393	395
215.00	329	100.0	3	398

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Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=212.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.57 hrs HW=213.59' TW=204.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.96 fps)**Summary for Pond DE32: DRIP #32**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.52 hrs, Volume= 527 cf, Atten= 79%, Lag= 25.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 507 cf
 Primary = 0.02 cfs @ 12.52 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.01' @ 12.52 hrs Surf.Area= 272 sf Storage= 176 cf

Plug-Flow detention time= 76.8 min calculated for 527 cf (100% of inflow)

Center-of-Mass det. time= 76.6 min (856.5 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.39'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.39	272	0.0	0	0
211.40	272	40.0	1	1
214.39	272	40.0	325	326
214.40	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.90' / 212.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=211.40' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.02 cfs @ 12.52 hrs HW=213.01' TW=210.02' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.02 cfs @ 1.06 fps)**Summary for Pond DE33: DRIP #33**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 418 cf
 Outflow = 0.02 cfs @ 11.75 hrs, Volume= 418 cf, Atten= 87%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.75 hrs, Volume= 418 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.74' @ 12.66 hrs Surf.Area= 290 sf Storage= 133 cf

Plug-Flow detention time= 54.7 min calculated for 418 cf (100% of inflow)

Center-of-Mass det. time= 54.6 min (840.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.59	290	0.0	0	0
210.60	290	40.0	1	1
213.59	290	40.0	347	348
213.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.75 hrs HW=210.63' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=210.59' TW=210.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE34: DRIP #34

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.28 cfs @ 12.09 hrs, Volume= 926 cf
 Outflow = 0.11 cfs @ 12.33 hrs, Volume= 926 cf, Atten= 62%, Lag= 14.7 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 799 cf
 Primary = 0.08 cfs @ 12.33 hrs, Volume= 127 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.05' @ 12.33 hrs Surf.Area= 383 sf Storage= 270 cf

Plug-Flow detention time= 73.1 min calculated for 924 cf (100% of inflow)
 Center-of-Mass det. time= 72.8 min (852.7 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.29'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.29	383	0.0	0	0
210.30	383	40.0	2	2
213.29	383	40.0	458	460
213.30	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	213.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.80' / 211.75' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=210.30' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.08 cfs @ 12.33 hrs HW=212.05' TW=204.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.08 cfs @ 1.63 fps)

Summary for Pond DE35: DRIP #35

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.28 cfs @ 12.09 hrs, Volume= 926 cf
 Outflow = 0.11 cfs @ 12.33 hrs, Volume= 926 cf, Atten= 62%, Lag= 14.7 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 799 cf
 Primary = 0.08 cfs @ 12.33 hrs, Volume= 127 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.75' @ 12.33 hrs Surf.Area= 383 sf Storage= 270 cf

Plug-Flow detention time= 73.1 min calculated for 924 cf (100% of inflow)

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Center-of-Mass det. time= 72.8 min (852.7 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	383	0.0	0	0
209.00	383	40.0	2	2
211.99	383	40.0	458	460
212.00	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=209.03' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.08 cfs @ 12.33 hrs HW=210.75' TW=204.00' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.08 cfs @ 1.63 fps)**Summary for Pond DE36: DRIP #36**

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 779 cf
 Outflow = 0.17 cfs @ 12.17 hrs, Volume= 779 cf, Atten= 24%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 11.35 hrs, Volume= 581 cf
 Primary = 0.16 cfs @ 12.17 hrs, Volume= 198 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.39' @ 12.17 hrs Surf.Area= 285 sf Storage= 160 cf

Plug-Flow detention time= 41.0 min calculated for 779 cf (100% of inflow)

Center-of-Mass det. time= 40.8 min (813.8 - 773.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	285	0.0	0	0
207.00	285	40.0	1	1
209.99	285	40.0	341	342
210.00	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.00' / 207.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.35 hrs HW=207.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.17 hrs HW=208.38' TW=197.97' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE37: DRIP #37**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.22 cfs @ 12.09 hrs, Volume= 751 cf
 Outflow = 0.17 cfs @ 12.17 hrs, Volume= 751 cf, Atten= 26%, Lag= 5.1 min
 Discarded = 0.02 cfs @ 11.40 hrs, Volume= 565 cf
 Primary = 0.15 cfs @ 12.17 hrs, Volume= 185 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.37' @ 12.17 hrs Surf.Area= 287 sf Storage= 159 cf

Plug-Flow detention time= 42.2 min calculated for 749 cf (100% of inflow)

Center-of-Mass det. time= 41.9 min (821.8 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	347 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	287	0.0	0	0
208.00	287	40.0	1	1
210.99	287	40.0	343	344
211.00	287	100.0	3	347

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.40 hrs HW=208.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.17 hrs HW=209.36' TW=197.98' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)**Summary for Pond DE38: DRIP #39**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.58 hrs, Volume= 596 cf, Atten= 84%, Lag= 29.4 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 582 cf
 Primary = 0.01 cfs @ 12.58 hrs, Volume= 14 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.58' @ 12.58 hrs Surf.Area= 321 sf Storage= 205 cf

Plug-Flow detention time= 79.0 min calculated for 596 cf (100% of inflow)

Center-of-Mass det. time= 78.9 min (864.8 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	321	0.0	0	0
209.00	321	40.0	1	1
211.99	321	40.0	384	385
212.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=209.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.58 hrs HW=210.58' TW=198.73' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.92 fps)

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Summary for Pond DE39: DRIP #39

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 508 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 508 cf, Atten= 83%, Lag= 28.5 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 494 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.59' @ 12.56 hrs Surf.Area= 272 sf Storage= 174 cf

Plug-Flow detention time= 78.7 min calculated for 508 cf (100% of inflow)
 Center-of-Mass det. time= 78.6 min (864.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=210.04' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.56 hrs HW=211.58' TW=198.71' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.93 fps)

Summary for Pond DE4: DRIP #4

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.58 hrs, Volume= 596 cf, Atten= 84%, Lag= 29.4 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 582 cf
 Primary = 0.01 cfs @ 12.58 hrs, Volume= 14 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.58' @ 12.58 hrs Surf.Area= 321 sf Storage= 205 cf

Plug-Flow detention time= 79.0 min calculated for 596 cf (100% of inflow)

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Center-of-Mass det. time= 78.9 min (864.8 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.99	321	0.0	0	0
219.00	321	40.0	1	1
221.99	321	40.0	384	385
222.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	221.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.50' / 220.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=219.04' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.58 hrs HW=220.58' TW=218.00' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.01 cfs @ 0.92 fps)**Summary for Pond DE40: DRIP #40**

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.58 hrs, Volume= 596 cf, Atten= 84%, Lag= 29.4 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 582 cf
 Primary = 0.01 cfs @ 12.58 hrs, Volume= 14 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.58' @ 12.58 hrs Surf.Area= 321 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 594 cf (100% of inflow)

Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=211.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.58 hrs HW=212.58' TW=198.73' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.91 fps)**Summary for Pond DE41: DRIP #41**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.58 hrs, Volume= 596 cf, Atten= 84%, Lag= 29.4 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 582 cf
 Primary = 0.01 cfs @ 12.58 hrs, Volume= 14 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.58' @ 12.58 hrs Surf.Area= 321 sf Storage= 205 cf

Plug-Flow detention time= 79.0 min calculated for 596 cf (100% of inflow)

Center-of-Mass det. time= 78.9 min (864.8 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	321	0.0	0	0
212.00	321	40.0	1	1
214.99	321	40.0	384	385
215.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=212.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.58 hrs HW=213.58' TW=198.73' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.92 fps)**Summary for Pond DE42: DRIP #42**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 529 cf
 Outflow = 0.02 cfs @ 12.62 hrs, Volume= 529 cf, Atten= 86%, Lag= 31.7 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 521 cf
 Primary = 0.01 cfs @ 12.62 hrs, Volume= 8 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.56' @ 12.62 hrs Surf.Area= 290 sf Storage= 183 cf

Plug-Flow detention time= 79.1 min calculated for 529 cf (100% of inflow)

Center-of-Mass det. time= 79.0 min (864.9 - 785.9)

Volume	Invert	Avail.Storage	Storage Description
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)
212.99	290	0.0	0
213.00	290	40.0	1
215.99	290	40.0	347
216.00	290	100.0	3
Cum.Store (cubic-feet)			
0			
1			
348			
351			
Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=213.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.62 hrs HW=214.56' TW=198.77' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.79 fps)

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Summary for Pond DE43: DRIP #43

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 508 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 508 cf, Atten= 83%, Lag= 28.5 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 494 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 215.59' @ 12.56 hrs Surf.Area= 272 sf Storage= 174 cf

Plug-Flow detention time= 78.7 min calculated for 508 cf (100% of inflow)
 Center-of-Mass det. time= 78.6 min (864.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	213.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.99	272	0.0	0	0
214.00	272	40.0	1	1
216.99	272	40.0	325	326
217.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	216.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	215.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.50' / 215.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	213.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=214.04' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.56 hrs HW=215.58' TW=198.71' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.93 fps)

Summary for Pond DE44: DRIP #44

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.58 hrs, Volume= 596 cf, Atten= 84%, Lag= 29.4 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 582 cf
 Primary = 0.01 cfs @ 12.58 hrs, Volume= 14 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 217.58' @ 12.58 hrs Surf.Area= 321 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 594 cf (100% of inflow)

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Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	215.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
215.99	321	0.0	0	0
216.00	321	40.0	1	1
218.99	321	40.0	384	385
219.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	218.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	217.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.50' / 217.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	215.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=216.04' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.58 hrs HW=217.58' TW=198.73' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.91 fps)**Summary for Pond DE45: DRIP #45**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 508 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 508 cf, Atten= 83%, Lag= 28.5 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 494 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.59' @ 12.56 hrs Surf.Area= 272 sf Storage= 174 cf

Plug-Flow detention time= 78.7 min calculated for 508 cf (100% of inflow)

Center-of-Mass det. time= 78.6 min (864.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	272	0.0	0	0
217.00	272	40.0	1	1
219.99	272	40.0	325	326
220.00	272	100.0	3	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.50' / 218.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=217.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.56 hrs HW=218.58' TW=198.71' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.93 fps)**Summary for Pond DE47: DRIP #47**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.22 cfs @ 12.09 hrs, Volume= 751 cf
 Outflow = 0.16 cfs @ 12.17 hrs, Volume= 751 cf, Atten= 27%, Lag= 5.2 min
 Discarded = 0.02 cfs @ 11.40 hrs, Volume= 568 cf
 Primary = 0.15 cfs @ 12.17 hrs, Volume= 183 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.37' @ 12.17 hrs Surf.Area= 290 sf Storage= 160 cf

Plug-Flow detention time= 42.2 min calculated for 751 cf (100% of inflow)

Center-of-Mass det. time= 42.0 min (821.9 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	290	0.0	0	0
217.00	290	40.0	1	1
219.99	290	40.0	347	348
220.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.00' / 217.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.40 hrs HW=217.02' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.17 hrs HW=218.35' TW=216.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.87 fps)**Summary for Pond DE48: DRIP #48**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.42" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 387 cf
 Outflow = 0.02 cfs @ 11.75 hrs, Volume= 387 cf, Atten= 86%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.75 hrs, Volume= 387 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 216.04' @ 12.64 hrs Surf.Area= 290 sf Storage= 122 cf

Plug-Flow detention time= 50.4 min calculated for 387 cf (100% of inflow)

Center-of-Mass det. time= 50.2 min (846.7 - 796.5)

Volume	Invert	Avail.Storage	Storage Description	
#1	214.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
214.99	290	0.0	0	0
215.00	290	40.0	1	1
217.99	290	40.0	347	348
218.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	217.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	216.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.50' / 216.45' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	214.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.75 hrs HW=215.02' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=214.99' TW=210.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE49: DRIP #49

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 529 cf
 Outflow = 0.02 cfs @ 12.62 hrs, Volume= 529 cf, Atten= 86%, Lag= 31.7 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 521 cf
 Primary = 0.01 cfs @ 12.62 hrs, Volume= 8 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.56' @ 12.62 hrs Surf.Area= 290 sf Storage= 183 cf

Plug-Flow detention time= 79.1 min calculated for 529 cf (100% of inflow)
 Center-of-Mass det. time= 79.0 min (864.9 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.99	290	0.0	0	0
213.00	290	40.0	1	1
215.99	290	40.0	347	348
216.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=213.04' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.62 hrs HW=214.56' TW=210.03' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.79 fps)

Summary for Pond DE5: DRIP #5

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 508 cf
 Outflow = 0.03 cfs @ 12.56 hrs, Volume= 508 cf, Atten= 83%, Lag= 28.5 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 494 cf
 Primary = 0.01 cfs @ 12.56 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.19' @ 12.56 hrs Surf.Area= 272 sf Storage= 174 cf

Plug-Flow detention time= 78.7 min calculated for 508 cf (100% of inflow)

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Center-of-Mass det. time= 78.6 min (864.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.59	272	0.0	0	0
218.60	272	40.0	1	1
221.59	272	40.0	325	326
221.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	221.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.10' / 220.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=218.64' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.56 hrs HW=220.18' TW=218.00' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.93 fps)**Summary for Pond DE6: DRIP #6**

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.02 cfs @ 12.62 hrs, Volume= 552 cf, Atten= 86%, Lag= 31.9 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 544 cf
 Primary = 0.01 cfs @ 12.62 hrs, Volume= 8 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.06' @ 12.62 hrs Surf.Area= 300 sf Storage= 189 cf

Plug-Flow detention time= 77.9 min calculated for 551 cf (100% of inflow)

Center-of-Mass det. time= 77.6 min (857.4 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	363 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	300	0.0	0	0
210.50	300	40.0	1	1
213.49	300	40.0	359	360
213.50	300	100.0	3	363

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=210.54' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.62 hrs HW=212.06' TW=211.50' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.77 fps)**Summary for Pond DE61: DRIP #61**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,273 cf
 Outflow = 0.26 cfs @ 12.19 hrs, Volume= 1,273 cf, Atten= 33%, Lag= 5.9 min
 Discarded = 0.04 cfs @ 11.65 hrs, Volume= 975 cf
 Primary = 0.22 cfs @ 12.19 hrs, Volume= 298 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.06' @ 12.19 hrs Surf.Area= 688 sf Storage= 240 cf

Plug-Flow detention time= 21.1 min calculated for 1,270 cf (100% of inflow)

Center-of-Mass det. time= 20.9 min (806.9 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	688	0.0	0	0
212.20	688	40.0	3	3
214.19	688	40.0	548	550
214.20	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.04 cfs @ 11.65 hrs HW=212.22' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.22 cfs @ 12.19 hrs HW=213.06' TW=202.39' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.22 cfs @ 2.00 fps)**Summary for Pond DE62: DRIP #62**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,273 cf
 Outflow = 0.26 cfs @ 12.19 hrs, Volume= 1,273 cf, Atten= 33%, Lag= 5.9 min
 Discarded = 0.04 cfs @ 11.50 hrs, Volume= 975 cf
 Primary = 0.22 cfs @ 12.19 hrs, Volume= 298 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.06' @ 12.19 hrs Surf.Area= 688 sf Storage= 240 cf

Plug-Flow detention time= 21.1 min calculated for 1,270 cf (100% of inflow)

Center-of-Mass det. time= 20.9 min (806.9 - 785.9)

Volume	Invert	Avail.Storage	Storage Description
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)
212.19	688	0.0	0
212.20	688	40.0	3
214.19	688	40.0	548
214.20	688	100.0	7
Cum.Store (cubic-feet)			
0			
3			
550			
557			
Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 11.50 hrs HW=212.20' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.22 cfs @ 12.19 hrs HW=213.06' TW=206.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.22 cfs @ 2.00 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 3,423 sf, 88.11% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 773 cf
 Outflow = 0.18 cfs @ 12.16 hrs, Volume= 773 cf, Atten= 20%, Lag= 4.4 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 589 cf
 Primary = 0.16 cfs @ 12.16 hrs, Volume= 185 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.80' @ 12.16 hrs Surf.Area= 407 sf Storage= 132 cf

Plug-Flow detention time= 19.5 min calculated for 773 cf (100% of inflow)
 Center-of-Mass det. time= 19.4 min (799.2 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	407	0.0	0	0
207.00	407	40.0	2	2
208.99	407	40.0	324	326
209.00	407	100.0	4	330

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=207.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.16 hrs HW=207.80' TW=202.02' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.84 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 962 cf
 Outflow = 0.18 cfs @ 12.21 hrs, Volume= 962 cf, Atten= 38%, Lag= 7.2 min
 Discarded = 0.03 cfs @ 11.65 hrs, Volume= 773 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 190 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.09' @ 12.21 hrs Surf.Area= 474 sf Storage= 209 cf

Plug-Flow detention time= 33.8 min calculated for 960 cf (100% of inflow)

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Center-of-Mass det. time= 33.6 min (813.4 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.99'	574 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.99	474	0.0	0	0
205.00	474	40.0	2	2
207.99	474	40.0	567	569
208.00	474	100.0	5	574

Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	205.80'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.80' / 205.75' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	204.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 11.65 hrs HW=205.03' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=206.09' TW=202.03' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.81 fps)**Summary for Pond DE65: DRIP #65**

Inflow Area = 3,423 sf, 88.14% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 773 cf
 Outflow = 0.18 cfs @ 12.16 hrs, Volume= 773 cf, Atten= 20%, Lag= 4.4 min
 Discarded = 0.02 cfs @ 11.60 hrs, Volume= 588 cf
 Primary = 0.16 cfs @ 12.16 hrs, Volume= 185 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.80' @ 12.16 hrs Surf.Area= 406 sf Storage= 132 cf

Plug-Flow detention time= 19.5 min calculated for 773 cf (100% of inflow)

Center-of-Mass det. time= 19.4 min (799.2 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.99	406	0.0	0	0
206.00	406	40.0	2	2
207.99	406	40.0	323	325
208.00	406	100.0	4	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.50' / 206.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.60 hrs HW=206.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.16 cfs @ 12.16 hrs HW=206.80' TW=202.02' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.84 fps)**Summary for Pond DE66: DRIP #66**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 958 cf
 Outflow = 0.24 cfs @ 12.15 hrs, Volume= 958 cf, Atten= 18%, Lag= 4.0 min
 Discarded = 0.03 cfs @ 11.35 hrs, Volume= 703 cf
 Primary = 0.21 cfs @ 12.15 hrs, Volume= 255 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.65' @ 12.15 hrs Surf.Area= 455 sf Storage= 157 cf

Plug-Flow detention time= 19.6 min calculated for 956 cf (100% of inflow)

Center-of-Mass det. time= 19.5 min (799.3 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	455	0.0	0	0
207.80	455	40.0	2	2
209.79	455	40.0	362	364
209.80	455	100.0	5	369

Device	Routing	Invert	Outlet Devices
#1	Primary	209.70'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.30'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.30' / 208.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 11.35 hrs HW=207.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.21 cfs @ 12.15 hrs HW=208.65' TW=202.02' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.21 cfs @ 1.98 fps)**Summary for Pond DE67: DRIP #67**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 958 cf
 Outflow = 0.24 cfs @ 12.15 hrs, Volume= 958 cf, Atten= 18%, Lag= 4.0 min
 Discarded = 0.03 cfs @ 11.55 hrs, Volume= 703 cf
 Primary = 0.21 cfs @ 12.15 hrs, Volume= 255 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.85' @ 12.15 hrs Surf.Area= 455 sf Storage= 157 cf

Plug-Flow detention time= 19.6 min calculated for 956 cf (100% of inflow)

Center-of-Mass det. time= 19.5 min (799.3 - 779.9)

Volume	Invert	Avail.Storage	Storage Description
#1	207.99'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)
207.99	455	0.0	0
208.00	455	40.0	2
209.99	455	40.0	362
210.00	455	100.0	5
Cum.Store (cubic-feet)			
0			
2			
364			
369			
Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 208.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 11.55 hrs HW=208.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.21 cfs @ 12.15 hrs HW=208.85' TW=202.02' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.21 cfs @ 1.98 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,322 cf
 Outflow = 0.27 cfs @ 12.18 hrs, Volume= 1,322 cf, Atten= 31%, Lag= 5.4 min
 Discarded = 0.04 cfs @ 11.60 hrs, Volume= 1,006 cf
 Primary = 0.23 cfs @ 12.18 hrs, Volume= 316 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.87' @ 12.18 hrs Surf.Area= 688 sf Storage= 244 cf

Plug-Flow detention time= 20.6 min calculated for 1,322 cf (100% of inflow)
 Center-of-Mass det. time= 20.5 min (800.3 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	688	0.0	0	0
207.00	688	40.0	3	3
208.99	688	40.0	548	550
209.00	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 11.60 hrs HW=207.01' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)

Primary OutFlow Max=0.23 cfs @ 12.18 hrs HW=207.87' TW=203.54' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.03 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 962 cf
 Outflow = 0.23 cfs @ 12.16 hrs, Volume= 962 cf, Atten= 20%, Lag= 4.3 min
 Discarded = 0.03 cfs @ 11.60 hrs, Volume= 716 cf
 Primary = 0.20 cfs @ 12.16 hrs, Volume= 246 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.35' @ 12.16 hrs Surf.Area= 474 sf Storage= 163 cf

Plug-Flow detention time= 19.8 min calculated for 960 cf (100% of inflow)

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Center-of-Mass det. time= 19.6 min (799.4 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.49'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.49	474	0.0	0	0
205.50	474	40.0	2	2
207.49	474	40.0	377	379
207.50	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.00' / 205.95' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 11.60 hrs HW=205.52' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.20 cfs @ 12.16 hrs HW=206.34' TW=200.65' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.20 cfs @ 1.96 fps)**Summary for Pond DE7: DRIP #7**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 418 cf
 Outflow = 0.02 cfs @ 11.75 hrs, Volume= 418 cf, Atten= 87%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.75 hrs, Volume= 418 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.64' @ 12.66 hrs Surf.Area= 290 sf Storage= 133 cf

Plug-Flow detention time= 54.7 min calculated for 418 cf (100% of inflow)

Center-of-Mass det. time= 54.6 min (840.5 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	290	0.0	0	0
210.50	290	40.0	1	1
213.49	290	40.0	347	348
213.50	290	100.0	3	351

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.75 hrs HW=210.53' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=210.49' TW=211.50' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE70: DRIP #70**

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 962 cf
 Outflow = 0.23 cfs @ 12.16 hrs, Volume= 962 cf, Atten= 20%, Lag= 4.3 min
 Discarded = 0.03 cfs @ 11.40 hrs, Volume= 716 cf
 Primary = 0.20 cfs @ 12.16 hrs, Volume= 246 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.75' @ 12.16 hrs Surf.Area= 474 sf Storage= 163 cf

Plug-Flow detention time= 19.8 min calculated for 960 cf (100% of inflow)

Center-of-Mass det. time= 19.6 min (799.4 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.89'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.89	474	0.0	0	0
205.90	474	40.0	2	2
207.89	474	40.0	377	379
207.90	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.40'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.40' / 206.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 11.40 hrs HW=205.90' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.20 cfs @ 12.16 hrs HW=206.74' TW=200.65' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.20 cfs @ 1.96 fps)**Summary for Pond DE71: DRIP #71**

Inflow Area = 5,851 sf, 88.26% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,322 cf
 Outflow = 0.27 cfs @ 12.18 hrs, Volume= 1,322 cf, Atten= 31%, Lag= 5.4 min
 Discarded = 0.04 cfs @ 11.65 hrs, Volume= 1,006 cf
 Primary = 0.23 cfs @ 12.18 hrs, Volume= 316 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.38' @ 12.18 hrs Surf.Area= 687 sf Storage= 243 cf

Plug-Flow detention time= 20.6 min calculated for 1,322 cf (100% of inflow)

Center-of-Mass det. time= 20.5 min (800.3 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.49'	831 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.49	687	0.0	0	0
206.50	687	40.0	3	3
209.49	687	40.0	822	824
209.50	687	100.0	7	831

Device	Routing	Invert	Outlet Devices
#1	Primary	209.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.00' / 206.95' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 11.65 hrs HW=206.53' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.18 hrs HW=207.37' TW=200.69' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.03 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.52 hrs, Volume= 527 cf, Atten= 79%, Lag= 25.7 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 507 cf
 Primary = 0.02 cfs @ 12.52 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.21' @ 12.52 hrs Surf.Area= 272 sf Storage= 176 cf

Plug-Flow detention time= 76.8 min calculated for 527 cf (100% of inflow)
 Center-of-Mass det. time= 76.6 min (856.5 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	272	0.0	0	0
211.60	272	40.0	1	1
214.59	272	40.0	325	326
214.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.10' / 213.05' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=211.63' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.52 hrs HW=213.21' TW=211.50' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.06 fps)

Summary for Pond DE9: DRIP #9

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 619 cf
 Outflow = 0.04 cfs @ 12.53 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 597 cf
 Primary = 0.02 cfs @ 12.53 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.51' @ 12.53 hrs Surf.Area= 321 sf Storage= 208 cf

Plug-Flow detention time= 77.3 min calculated for 618 cf (100% of inflow)

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Center-of-Mass det. time= 77.0 min (856.9 - 779.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.89'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.89	321	0.0	0	0
211.90	321	40.0	1	1
214.89	321	40.0	384	385
214.90	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.80'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.40'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.40' / 213.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=211.90' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.02 cfs @ 12.53 hrs HW=213.51' TW=211.50' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.02 cfs @ 1.06 fps)**Summary for Pond DECH: DRIP #CH**

Inflow Area = 5,319 sf, 84.40% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,157 cf
 Outflow = 0.22 cfs @ 12.20 hrs, Volume= 1,157 cf, Atten= 38%, Lag= 6.7 min
 Discarded = 0.04 cfs @ 11.70 hrs, Volume= 889 cf
 Primary = 0.18 cfs @ 12.20 hrs, Volume= 268 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.86' @ 12.20 hrs Surf.Area= 636 sf Storage= 220 cf

Plug-Flow detention time= 20.6 min calculated for 1,157 cf (100% of inflow)

Center-of-Mass det. time= 20.5 min (806.4 - 785.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	770 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	636	0.0	0	0
208.00	636	40.0	3	3
210.99	636	40.0	761	763
211.00	636	100.0	6	770

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	4.0" Round Culvert L= 80.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 205.10' S= 0.0425 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 11.70 hrs HW=208.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.18 cfs @ 12.20 hrs HW=208.86' TW=205.64' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Inlet Controls 0.18 cfs @ 2.09 fps)**Summary for Pond P204: STORMTECH INFILTRATION SYSTEM**

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth > 1.86" for 2YR event
 Inflow = 1.76 cfs @ 12.10 hrs, Volume= 6,007 cf
 Outflow = 0.06 cfs @ 11.10 hrs, Volume= 3,645 cf, Atten= 97%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 11.10 hrs, Volume= 3,645 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.02' @ 15.71 hrs Surf.Area= 3,960 sf Storage= 3,268 cf

Plug-Flow detention time= 257.8 min calculated for 3,637 cf (61% of inflow)

Center-of-Mass det. time= 151.4 min (929.0 - 777.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	202.50'	5,144 cf	58.50'W x 67.70'L x 4.50'H STORMTECH SC-740 17,821 cf Overall - 4,962 cf Embedded = 12,860 cf x 40.0% Voids
#2A	203.50'	4,962 cf	ADS_StormTech SC-740 +Cap x 108 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 108 Chambers in 12 Rows
		10,105 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	203.00'	12.0" Round Culvert L= 40.0' Ke= 0.200 Inlet / Outlet Invert= 203.00' / 202.00' S= 0.0250 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	205.00'	12.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Discarded	202.50'	0.660 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.06 cfs @ 11.10 hrs HW=202.55' (Free Discharge)└─**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=202.50' TW=200.00' (Dynamic Tailwater)└─**1=Culvert** (Controls 0.00 cfs)└─**2=Orifice/Grate** (Controls 0.00 cfs)**Summary for Pond P205: EXTENDED DETENTION WETLAND #2**

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 1.07" for 2YR event
 Inflow = 5.41 cfs @ 12.15 hrs, Volume= 27,028 cf
 Outflow = 0.43 cfs @ 15.56 hrs, Volume= 15,948 cf, Atten= 92%, Lag= 205.0 min
 Primary = 0.43 cfs @ 15.56 hrs, Volume= 15,948 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Starting Elev= 197.00' Surf.Area= 5,209 sf Storage= 7,089 cf

Peak Elev= 199.21' @ 15.56 hrs Surf.Area= 8,990 sf Storage= 23,111 cf (16,023 cf above start)

Plug-Flow detention time= 517.4 min calculated for 8,859 cf (33% of inflow)

Center-of-Mass det. time= 225.5 min (1,074.6 - 849.1)

Volume	Invert	Avail.Storage	Storage Description
#1	195.00'	76,784 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
195.00	2,516	0	0
196.00	3,226	2,871	2,871
198.00	7,192	10,418	13,289
200.00	10,155	17,347	30,636
202.00	13,435	23,590	54,226
203.00	15,165	14,300	68,526
203.50	17,867	8,258	76,784

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	18.0" Round Culvert L= 63.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.00' S= 0.0317 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#3	Device 2	198.00'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	201.80'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=0.43 cfs @ 15.56 hrs HW=199.21' TW=192.06' (Dynamic Tailwater)└─**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)└─**2=Culvert** (Passes 0.43 cfs of 13.36 cfs potential flow)└─**3=Orifice/Grate** (Orifice Controls 0.43 cfs @ 4.93 fps)└─**4=Orifice/Grate** (Controls 0.00 cfs)

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Summary for Pond P206: STORMTECH INFILTRATION SYSTEM

Inflow Area = 70,753 sf, 81.42% Impervious, Inflow Depth > 2.68" for 2YR event
 Inflow = 4.64 cfs @ 12.09 hrs, Volume= 15,795 cf
 Outflow = 2.62 cfs @ 12.22 hrs, Volume= 15,418 cf, Atten= 43%, Lag= 7.8 min
 Discarded = 0.17 cfs @ 10.40 hrs, Volume= 10,121 cf
 Primary = 2.45 cfs @ 12.22 hrs, Volume= 5,298 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 195.83' @ 12.22 hrs Surf.Area= 5,239 sf Storage= 4,476 cf

Plug-Flow detention time= 116.3 min calculated for 15,418 cf (98% of inflow)
 Center-of-Mass det. time= 101.6 min (876.7 - 775.1)

Volume	Invert	Avail.Storage	Storage Description
#1A	194.60'	1,786 cf	39.50'W x 53.46'L x 3.33'H FIELD A 7,038 cf Overall - 2,573 cf Embedded = 4,466 cf x 40.0% Voids
#2A	194.93'	2,573 cf	ADS_StormTech SC-740 +Cap x 56 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 56 Chambers in 8 Rows
#3B	194.60'	2,626 cf	58.50'W x 53.46'L x 3.33'H FIELD B 10,424 cf Overall - 3,859 cf Embedded = 6,565 cf x 40.0% Voids
#4B	194.93'	3,859 cf	ADS_StormTech SC-740 +Cap x 84 Inside #3 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 84 Chambers in 12 Rows
		10,844 cf	Total Available Storage

Storage Group A created with Chamber Wizard
 Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	18.0" Round Culvert L= 30.0' Ke= 0.200 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	195.50'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#3	Discarded	194.60'	1.400 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.17 cfs @ 10.40 hrs HW=194.63' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.17 cfs)

Primary OutFlow Max=2.40 cfs @ 12.22 hrs HW=195.83' TW=0.00' (Dynamic Tailwater)

↑ **1=Culvert** (Passes 2.40 cfs of 8.27 cfs potential flow)

↑ **2=Sharp-Crested Rectangular Weir** (Weir Controls 2.40 cfs @ 1.87 fps)

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Summary for Pond P207: INFILTRATION POND #2

Inflow Area = 158,781 sf, 56.16% Impervious, Inflow Depth > 1.91" for 2YR event
 Inflow = 7.67 cfs @ 12.09 hrs, Volume= 25,298 cf
 Outflow = 0.89 cfs @ 12.83 hrs, Volume= 24,675 cf, Atten= 88%, Lag= 44.3 min
 Discarded = 0.63 cfs @ 12.83 hrs, Volume= 23,420 cf
 Primary = 0.27 cfs @ 12.83 hrs, Volume= 1,255 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 196.25' @ 12.83 hrs Surf.Area= 7,340 sf Storage= 10,907 cf

Plug-Flow detention time= 173.2 min calculated for 24,624 cf (97% of inflow)
 Center-of-Mass det. time= 158.4 min (961.7 - 803.3)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	47,983 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	2,100	0	0
196.00	7,000	9,100	9,100
198.00	9,700	16,700	25,800
200.00	12,483	22,183	47,983

Device	Routing	Invert	Outlet Devices
#1	Primary	198.85'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.50' S= 0.0375 ' S= 0.0375 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	194.00'	3.690 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.63 cfs @ 12.83 hrs HW=196.25' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.63 cfs)

Primary OutFlow Max=0.27 cfs @ 12.83 hrs HW=196.25' TW=0.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Inlet Controls 0.27 cfs @ 1.71 fps)

Summary for Pond P210: EXTENDED DETENTION WETLAND #1

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 1.78" for 2YR event
 Inflow = 5.02 cfs @ 12.10 hrs, Volume= 16,473 cf
 Outflow = 0.65 cfs @ 12.76 hrs, Volume= 9,503 cf, Atten= 87%, Lag= 39.8 min
 Primary = 0.65 cfs @ 12.76 hrs, Volume= 9,503 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Starting Elev= 201.00' Surf.Area= 3,625 sf Storage= 4,061 cf
 Peak Elev= 202.73' @ 12.76 hrs Surf.Area= 6,864 sf Storage= 13,171 cf (9,110 cf above start)

Plug-Flow detention time= 401.5 min calculated for 5,430 cf (33% of inflow)

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Center-of-Mass det. time= 144.3 min (951.9 - 807.7)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	50,632 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	1,080	0	0
200.00	1,709	1,395	1,395
202.00	5,540	7,249	8,644
204.00	9,167	14,707	23,351
206.00	11,901	21,068	44,419
206.50	12,952	6,213	50,632

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	20.0' long x 15.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	202.25'	12.0" Round Culvert L= 44.0' Ke= 0.500 Inlet / Outlet Invert= 202.25' / 202.03' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	202.25'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	199.00'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=0.65 cfs @ 12.76 hrs HW=202.73' TW=202.06' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

2=Culvert (Barrel Controls 0.65 cfs @ 2.54 fps)

3=Orifice/Grate (Passes < 0.24 cfs potential flow)

4=Orifice/Grate (Passes < 30.02 cfs potential flow)

Summary for Pond P212: INFILTRATION POND #1

Inflow Area =	273,385 sf, 52.58% Impervious, Inflow Depth > 1.79" for 2YR event
Inflow =	10.26 cfs @ 12.11 hrs, Volume= 40,730 cf
Outflow =	1.58 cfs @ 12.89 hrs, Volume= 40,719 cf, Atten= 85%, Lag= 46.5 min
Discarded =	1.58 cfs @ 12.89 hrs, Volume= 40,719 cf
Primary =	0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.27' @ 12.89 hrs Surf.Area= 13,280 sf Storage= 14,554 cf

Plug-Flow detention time= 75.3 min calculated for 40,634 cf (100% of inflow)

Center-of-Mass det. time= 75.0 min (885.8 - 810.9)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	62,106 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	9,642	0	0
202.00	15,371	25,013	25,013
204.00	21,722	37,093	62,106

Device	Routing	Invert	Outlet Devices
#1	Primary	202.50'	25.0' long x 20.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	201.30'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 201.30' / 201.10' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	200.00'	5.130 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=1.58 cfs @ 12.89 hrs HW=201.27' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 1.58 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=200.00' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Controls 0.00 cfs)**Summary for Link AP1: ANALYSIS POINT 1**

Inflow Area = 11,566 sf, 80.52% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.70 cfs @ 12.09 hrs, Volume= 2,238 cf
 Primary = 0.70 cfs @ 12.09 hrs, Volume= 2,238 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 815,950 sf, 13.20% Impervious, Inflow Depth > 1.17" for 2YR event
 Inflow = 7.81 cfs @ 12.39 hrs, Volume= 79,346 cf
 Primary = 7.81 cfs @ 12.39 hrs, Volume= 79,346 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 46,924 sf, 0.00% Impervious, Inflow Depth > 1.08" for 2YR event
 Inflow = 1.28 cfs @ 12.10 hrs, Volume= 4,233 cf
 Primary = 1.28 cfs @ 12.10 hrs, Volume= 4,233 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Summary for Link AP4: ANALYSIS POINT #4

Inflow Area = 1,699,480 sf, 28.03% Impervious, Inflow Depth > 0.49" for 2YR event
Inflow = 8.25 cfs @ 12.31 hrs, Volume= 68,748 cf
Primary = 8.25 cfs @ 12.31 hrs, Volume= 68,748 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

SubcatchmentB1: MULTIFAMILY BLDG	Runoff Area=25,099 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=2.73 cfs 9,873 cf
SubcatchmentB2: MULTIFAMILY BLDG	Runoff Area=17,602 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=1.91 cfs 6,924 cf
SubcatchmentC1: CB #1	Runoff Area=27,330 sf 31.14% Impervious Runoff Depth>2.16" Flow Length=413' Tc=16.1 min CN=72 Runoff=1.15 cfs 4,919 cf
SubcatchmentC10: CB #10	Runoff Area=9,925 sf 94.45% Impervious Runoff Depth>4.60" Tc=6.0 min CN=97 Runoff=1.07 cfs 3,808 cf
SubcatchmentC11: CB #11	Runoff Area=14,065 sf 48.61% Impervious Runoff Depth>3.43" Tc=6.0 min CN=86 Runoff=1.25 cfs 4,017 cf
SubcatchmentC12: CB #12	Runoff Area=9,598 sf 47.53% Impervious Runoff Depth>3.33" Tc=6.0 min CN=85 Runoff=0.83 cfs 2,662 cf
SubcatchmentC13: CB #13	Runoff Area=7,833 sf 70.99% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.78 cfs 2,572 cf
SubcatchmentC14: CB #14	Runoff Area=12,504 sf 71.98% Impervious Runoff Depth>3.14" Tc=6.0 min CN=83 Runoff=1.03 cfs 3,267 cf
SubcatchmentC15: CB #15	Runoff Area=4,895 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.53 cfs 1,926 cf
SubcatchmentC16: CB #16	Runoff Area=8,326 sf 65.96% Impervious Runoff Depth>2.86" Tc=6.0 min CN=80 Runoff=0.63 cfs 1,981 cf
SubcatchmentC17: CB #17	Runoff Area=11,309 sf 74.12% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=1.14 cfs 3,814 cf
SubcatchmentC18: CB #18	Runoff Area=19,092 sf 48.21% Impervious Runoff Depth>3.43" Tc=6.0 min CN=86 Runoff=1.70 cfs 5,452 cf
SubcatchmentC2: CB #2	Runoff Area=18,869 sf 73.64% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=1.84 cfs 6,030 cf
SubcatchmentC20: CB #20	Runoff Area=15,474 sf 80.34% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=1.59 cfs 5,359 cf
SubcatchmentC21: CB #21	Runoff Area=11,800 sf 93.49% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=1.23 cfs 4,195 cf
SubcatchmentC22: CB #22	Runoff Area=9,287 sf 87.71% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.99 cfs 3,475 cf

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SubcatchmentC23: CB #23	Runoff Area=3,194 sf 63.15% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.32 cfs 1,049 cf
SubcatchmentC24: CB #24	Runoff Area=2,843 sf 88.46% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.30 cfs 1,064 cf
SubcatchmentC25: CB #25	Runoff Area=8,812 sf 96.03% Impervious Runoff Depth>4.60" Tc=6.0 min CN=97 Runoff=0.95 cfs 3,381 cf
SubcatchmentC26: CB #26	Runoff Area=12,787 sf 75.08% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=1.33 cfs 4,545 cf
SubcatchmentC27: CB #27	Runoff Area=8,906 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.97 cfs 3,503 cf
SubcatchmentC28: CB #28	Runoff Area=10,173 sf 52.35% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=0.95 cfs 3,076 cf
SubcatchmentC29: CB #29	Runoff Area=6,042 sf 80.24% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.62 cfs 2,092 cf
SubcatchmentC3: CB #3	Runoff Area=16,074 sf 74.25% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=1.50 cfs 4,860 cf
SubcatchmentC30: CB #30	Runoff Area=11,846 sf 63.21% Impervious Runoff Depth>3.73" Tc=6.0 min CN=89 Runoff=1.13 cfs 3,683 cf
SubcatchmentC31: CB #31	Runoff Area=13,042 sf 58.40% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=1.22 cfs 3,943 cf
SubcatchmentC32: CB #32	Runoff Area=10,868 sf 65.38% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=1.06 cfs 3,473 cf
SubcatchmentC33: CB #33	Runoff Area=4,342 sf 79.50% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.45 cfs 1,504 cf
SubcatchmentC34: CB #34	Runoff Area=5,967 sf 75.68% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.60 cfs 2,013 cf
SubcatchmentC35: CB #35	Runoff Area=2,891 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.31 cfs 1,137 cf
SubcatchmentC36: CB #36	Runoff Area=6,229 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.68 cfs 2,450 cf
SubcatchmentC37: CB #37	Runoff Area=1,192 sf 94.21% Impervious Runoff Depth>4.60" Tc=6.0 min CN=97 Runoff=0.13 cfs 457 cf
SubcatchmentC38: CB #38	Runoff Area=21,247 sf 76.54% Impervious Runoff Depth>3.73" Tc=6.0 min CN=89 Runoff=2.03 cfs 6,606 cf
SubcatchmentC39: CB #39	Runoff Area=7,773 sf 98.44% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.85 cfs 3,058 cf

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SubcatchmentC4: CB #4	Runoff Area=43,215 sf 22.90% Impervious Runoff Depth>1.92" Flow Length=545' Tc=21.4 min CN=69 Runoff=1.43 cfs 6,910 cf
SubcatchmentC40: CB #40	Runoff Area=4,552 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.50 cfs 1,791 cf
SubcatchmentC41: CB #41	Runoff Area=12,750 sf 69.28% Impervious Runoff Depth>3.53" Tc=6.0 min CN=87 Runoff=1.16 cfs 3,747 cf
SubcatchmentC42: CB #42	Runoff Area=11,269 sf 36.46% Impervious Runoff Depth>2.33" Tc=6.0 min CN=74 Runoff=0.69 cfs 2,188 cf
SubcatchmentC43: CB #43	Runoff Area=4,084 sf 81.61% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.41 cfs 1,341 cf
SubcatchmentC44: CB #44	Runoff Area=1,662 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.18 cfs 654 cf
SubcatchmentC45: CB #45	Runoff Area=2,109 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.23 cfs 830 cf
SubcatchmentC46: CB #46	Runoff Area=1,371 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.15 cfs 539 cf
SubcatchmentC47: CB#47	Runoff Area=3,004 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.33 cfs 1,182 cf
SubcatchmentC48: CB#48	Runoff Area=60,065 sf 25.95% Impervious Runoff Depth>2.00" Flow Length=400' Tc=11.8 min CN=70 Runoff=2.61 cfs 10,020 cf
SubcatchmentC49: CB#49	Runoff Area=1,659 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.18 cfs 653 cf
SubcatchmentC5: CB #5	Runoff Area=1,456 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.16 cfs 573 cf
SubcatchmentC50: CB#50	Runoff Area=6,448 sf 27.62% Impervious Runoff Depth>2.08" Tc=6.0 min CN=71 Runoff=0.35 cfs 1,120 cf
SubcatchmentC6: CB #6	Runoff Area=1,704 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.19 cfs 670 cf
SubcatchmentC7: CB #7	Runoff Area=12,750 sf 47.72% Impervious Runoff Depth>2.76" Tc=6.0 min CN=79 Runoff=0.93 cfs 2,938 cf
SubcatchmentC8: CB #8	Runoff Area=38,601 sf 25.40% Impervious Runoff Depth>2.00" Flow Length=520' Tc=18.2 min CN=70 Runoff=1.42 cfs 6,429 cf
SubcatchmentC9: CB #9	Runoff Area=13,846 sf 80.54% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=1.42 cfs 4,795 cf

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SubcatchmentCH1: CLUBHOUSE	Runoff Area=5,319 sf 84.40% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.56 cfs 1,891 cf
SubcatchmentH1: SF #1	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf
SubcatchmentH10: SF #10	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 887 cf
SubcatchmentH11: SF #11	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.29 cfs 999 cf
SubcatchmentH12: SF #12	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.36 cfs 1,242 cf
SubcatchmentH13: SF #13	Runoff Area=4,097 sf 90.68% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.44 cfs 1,533 cf
SubcatchmentH14: SF #14	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 887 cf
SubcatchmentH15: SF #15	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.20 cfs 683 cf
SubcatchmentH16: SF #16	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 887 cf
SubcatchmentH17: SF #17	Runoff Area=1,970 sf 85.94% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=0.19 cfs 630 cf
SubcatchmentH18: SF #18	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.27 cfs 900 cf
SubcatchmentH19: SF #19	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.24 cfs 799 cf
SubcatchmentH2: SF #2	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.19 cfs 648 cf
SubcatchmentH20: SF #20	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=0.19 cfs 614 cf
SubcatchmentH21: SF #21	Runoff Area=1,961 sf 86.33% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.19 cfs 644 cf
SubcatchmentH22: SF #22	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.36 cfs 1,242 cf
SubcatchmentH23: SF #23	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf
SubcatchmentH24: SF #24	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.29 cfs 999 cf

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SubcatchmentH25: SF #25	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.29 cfs 999 cf
SubcatchmentH26: SF #26	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf
SubcatchmentH27: SF #27	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 887 cf
SubcatchmentH28: SF #28	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 887 cf
SubcatchmentH29: SF #29	Runoff Area=2,335 sf 88.31% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 852 cf
SubcatchmentH3: SF #3	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 830 cf
SubcatchmentH30: SF #30	Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.29 cfs 1,000 cf
SubcatchmentH31: SF #31	Runoff Area=2,748 sf 88.03% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.29 cfs 1,002 cf
SubcatchmentH32: SF #32	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf
SubcatchmentH33: SF #33	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.20 cfs 683 cf
SubcatchmentH34: SF #34	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.43 cfs 1,495 cf
SubcatchmentH35: SF #35	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.43 cfs 1,495 cf
SubcatchmentH36: SF #36	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.36 cfs 1,242 cf
SubcatchmentH37: SF #37	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.35 cfs 1,212 cf
SubcatchmentH38: SF #38	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf
SubcatchmentH39: SF #39	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 830 cf
SubcatchmentH4: SF #4	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf

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SubcatchmentH40: SF #40	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf
SubcatchmentH41: SF #41	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf
SubcatchmentH42: SF #42	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.25 cfs 865 cf
SubcatchmentH43: SF #43	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 830 cf
SubcatchmentH44: SF #44	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf
SubcatchmentH45: SF #45	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 830 cf
SubcatchmentH46: SF #46	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.35 cfs 1,212 cf
SubcatchmentH47: SF #47	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.19 cfs 648 cf
SubcatchmentH48: SF #48	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.25 cfs 865 cf
SubcatchmentH5: SF #5	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 830 cf
SubcatchmentH6: SF #6	Runoff Area=2,443 sf 87.72% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf
SubcatchmentH7: SF #7	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.20 cfs 683 cf
SubcatchmentH8: SF #8	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf
SubcatchmentH9: SF #9	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.29 cfs 999 cf
SubcatchmentS201: SUMMER STREET	Runoff Area=11,566 sf 80.52% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=1.15 cfs 3,798 cf
SubcatchmentS202: EXISTING WETLAND	Runoff Area=398,747 sf 3.53% Impervious Runoff Depth>2.58" Flow Length=1,049' Tc=21.5 min CN=77 Runoff=18.11 cfs 85,680 cf
SubcatchmentS203: INFILTRATION POND	Runoff Area=38,602 sf 8.41% Impervious Runoff Depth>2.59" Tc=6.0 min CN=77 Runoff=2.64 cfs 8,322 cf
SubcatchmentS204: EXISTING WETLANDS	Runoff Area=265,983 sf 0.00% Impervious Runoff Depth>2.76" Flow Length=632' Tc=22.6 min CN=79 Runoff=12.67 cfs 61,069 cf

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Subcatchment S205: ISOLATED WETLAND	Runoff Area=46,924 sf 0.00% Impervious Runoff Depth>2.33" Tc=6.0 min CN=74 Runoff=2.88 cfs 9,111 cf
Subcatchment S206: OVERLAND FLOW	Runoff Area=652,894 sf 0.00% Impervious Runoff Depth>1.62" Flow Length=795' Tc=19.2 min CN=65 Runoff=18.40 cfs 88,098 cf
Subcatchment S207: INFILTRATION POND	Runoff Area=23,952 sf 0.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=82 Runoff=1.92 cfs 6,069 cf
Subcatchment S208:	Runoff Area=15,289 sf 0.00% Impervious Runoff Depth>2.16" Tc=6.0 min CN=72 Runoff=0.87 cfs 2,758 cf
Subcatchment S209: WETLAND C	Runoff Area=108,678 sf 0.00% Impervious Runoff Depth>2.23" Flow Length=607' Tc=39.8 min CN=73 Runoff=3.21 cfs 20,185 cf
Subcatchment S210: INFILTRATION	Runoff Area=114,960 sf 21.67% Impervious Runoff Depth>3.22" Flow Length=580' Slope=0.0150 '/' Tc=16.5 min CN=84 Runoff=7.24 cfs 30,894 cf
Subcatchment S211: CUL-DE-SAC POND	Runoff Area=45,277 sf 0.00% Impervious Runoff Depth>2.32" Flow Length=528' Slope=0.0400 '/' Tc=22.0 min CN=74 Runoff=1.82 cfs 8,759 cf
Subcatchment S212: SWALE	Runoff Area=30,844 sf 0.00% Impervious Runoff Depth>2.49" Flow Length=150' Slope=0.0050 '/' Tc=18.8 min CN=76 Runoff=1.43 cfs 6,408 cf
Subcatchment S213: COURTYARD	Runoff Area=21,974 sf 14.16% Impervious Runoff Depth>1.63" Tc=6.0 min CN=65 Runoff=0.90 cfs 2,976 cf
Subcatchment T1: Trench Drain 1	Runoff Area=13,788 sf 62.94% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=1.37 cfs 4,528 cf
Subcatchment T2: Drive Under B2	Runoff Area=4,607 sf 63.97% Impervious Runoff Depth>2.59" Tc=6.0 min CN=77 Runoff=0.31 cfs 993 cf
Subcatchment TH1: TOWN HOUSE #1	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.61 cfs 2,080 cf
Subcatchment TH10: TOWN HOUSE #10	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.45 cfs 1,553 cf
Subcatchment TH11: TOWN HOUSE #11	Runoff Area=5,851 sf 88.26% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.62 cfs 2,134 cf
Subcatchment TH2: TOWN HOUSE #2	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.61 cfs 2,080 cf
Subcatchment TH3: TOWN HOUSE #3	Runoff Area=3,423 sf 88.11% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.36 cfs 1,249 cf
Subcatchment TH4: TOWN HOUSE #4	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.45 cfs 1,553 cf

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Subcatchment TH5: TOWN HOUSE #5	Runoff Area=3,423 sf 88.14% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.36 cfs 1,249 cf
Subcatchment TH6: TOWN HOUSE #6	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.45 cfs 1,547 cf
Subcatchment TH7: TOWN HOUSE #7	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.45 cfs 1,547 cf
Subcatchment TH8: TOWN HOUSE #8	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.62 cfs 2,135 cf
Subcatchment TH9: TOWN HOUSE #9	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.45 cfs 1,553 cf
Reach 1R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.02 fps Inflow=0.65 cfs 908 cf n=0.400 L=1,350.0' S=0.0133 '/' Capacity=22.21 cfs Outflow=0.02 cfs 433 cf
Reach 2R: OVERLAND FLOW	Avg. Flow Depth=0.00' Max Vel=0.02 fps Inflow=0.14 cfs 185 cf n=0.400 L=925.0' S=0.0124 '/' Capacity=21.45 cfs Outflow=0.00 cfs 107 cf
Reach 3R: OVERLAND FLOW	Avg. Flow Depth=0.02' Max Vel=0.04 fps Inflow=0.32 cfs 501 cf n=0.400 L=475.0' S=0.0174 '/' Capacity=20.48 cfs Outflow=0.03 cfs 448 cf
Reach 4R: OVERLAND FLOW	Avg. Flow Depth=0.03' Max Vel=0.06 fps Inflow=0.63 cfs 924 cf n=0.400 L=427.0' S=0.0281 '/' Capacity=32.25 cfs Outflow=0.10 cfs 892 cf
Reach 7R: OVERLAND FLOW	Avg. Flow Depth=0.02' Max Vel=0.05 fps Inflow=0.54 cfs 930 cf n=0.400 L=690.0' S=0.0261 '/' Capacity=31.07 cfs Outflow=0.05 cfs 797 cf
Reach 8R: OVERLAND FLOW	Avg. Flow Depth=0.02' Max Vel=0.05 fps Inflow=0.51 cfs 759 cf n=0.400 L=590.0' S=0.0305 '/' Capacity=33.60 cfs Outflow=0.05 cfs 689 cf
Reach 9R: OVERLAND FLOW	Avg. Flow Depth=0.04' Max Vel=0.09 fps Inflow=0.41 cfs 606 cf n=0.400 L=380.0' S=0.0368 '/' Capacity=19.23 cfs Outflow=0.10 cfs 598 cf
Reach 12R: OVERLAND FLOW	Avg. Flow Depth=0.10' Max Vel=0.13 fps Inflow=1.73 cfs 2,555 cf n=0.400 L=250.0' S=0.0240 '/' Capacity=29.80 cfs Outflow=0.66 cfs 2,549 cf
Reach 13R: OVERLAND FLOW	Avg. Flow Depth=0.02' Max Vel=0.03 fps Inflow=0.46 cfs 731 cf n=0.400 L=660.0' S=0.0152 '/' Capacity=23.68 cfs Outflow=0.03 cfs 575 cf
Reach 14R: OVERLAND FLOW	Avg. Flow Depth=0.07' Max Vel=0.10 fps Inflow=1.74 cfs 6,939 cf n=0.400 L=940.0' S=0.0255 '/' Capacity=30.74 cfs Outflow=0.35 cfs 6,012 cf
Reach 15R: OVERLAND FLOW	Avg. Flow Depth=0.22' Max Vel=0.19 fps Inflow=2.58 cfs 22,590 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=2.07 cfs 21,994 cf
Reach 16R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.27 cfs 465 cf n=0.400 L=1,200.0' S=0.0250 '/' Capacity=30.42 cfs Outflow=0.01 cfs 286 cf
Reach 18R: OVERLAND FLOW	Avg. Flow Depth=0.09' Max Vel=0.16 fps Inflow=0.74 cfs 29,818 cf n=0.400 L=120.0' S=0.0500 '/' Capacity=44.93 cfs Outflow=0.74 cfs 29,325 cf

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Reach 20R: OVERLAND FLOW Avg. Flow Depth=0.01' Max Vel=0.02 fps Inflow=0.05 cfs 513 cf
n=0.400 L=560.0' S=0.0093 '/' Capacity=18.54 cfs Outflow=0.01 cfs 308 cf

Reach 21R: TRENCH DRAIN Avg. Flow Depth=0.50' Max Vel=3.52 fps Inflow=1.37 cfs 4,528 cf
12.0" Round Pipe n=0.012 L=65.7' S=0.0052 '/' Capacity=2.78 cfs Outflow=1.37 cfs 4,527 cf

Reach 23R: OVERLAND FLOW Avg. Flow Depth=0.34' Max Vel=0.14 fps Inflow=3.02 cfs 31,555 cf
n=0.800 L=180.0' S=0.0278 '/' Capacity=18.32 cfs Outflow=2.65 cfs 31,024 cf

Reach R202: OVERLAND FLOW Avg. Flow Depth=0.38' Max Vel=0.20 fps Inflow=18.11 cfs 85,680 cf
n=0.400 L=700.0' S=0.0114 '/' Capacity=43.95 cfs Outflow=8.10 cfs 81,063 cf

Reach R211: OVERLAND FLOW Avg. Flow Depth=0.17' Max Vel=0.10 fps Inflow=1.91 cfs 10,886 cf
n=0.400 L=600.0' S=0.0087 '/' Capacity=20.47 cfs Outflow=0.92 cfs 10,408 cf

Pond 19R: DRIVEWAY D CROSS PIPE Peak Elev=194.86' Storage=2,725 cf Inflow=3.38 cfs 31,894 cf
24.0" Round Culvert n=0.012 L=30.0' S=0.0050 '/' Outflow=3.02 cfs 31,555 cf

Pond CB1: CB#1 Peak Elev=208.51' Inflow=1.15 cfs 4,919 cf
12.0" Round Culvert n=0.013 L=14.1' S=0.0050 '/' Outflow=1.15 cfs 4,919 cf

Pond CB10: CB #10 Peak Elev=210.44' Inflow=1.07 cfs 3,808 cf
12.0" Round Culvert n=0.013 L=33.8' S=0.0050 '/' Outflow=1.07 cfs 3,808 cf

Pond CB11: CB #11 Peak Elev=210.58' Inflow=1.25 cfs 4,017 cf
12.0" Round Culvert n=0.013 L=26.3' S=0.0103 '/' Outflow=1.25 cfs 4,017 cf

Pond CB12: CB #12 Peak Elev=210.26' Inflow=0.83 cfs 2,662 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.83 cfs 2,662 cf

Pond CB13: CB #13 Peak Elev=210.24' Inflow=0.78 cfs 2,572 cf
12.0" Round Culvert n=0.013 L=14.6' S=0.0048 '/' Outflow=0.78 cfs 2,572 cf

Pond CB14: CB #14 Peak Elev=201.56' Inflow=1.03 cfs 3,267 cf
12.0" Round Culvert n=0.013 L=23.2' S=0.0052 '/' Outflow=1.03 cfs 3,267 cf

Pond CB15: CB #15 Peak Elev=201.46' Inflow=0.53 cfs 1,926 cf
12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/' Outflow=0.53 cfs 1,926 cf

Pond CB16: CB #16 Peak Elev=203.93' Inflow=0.63 cfs 1,981 cf
12.0" Round Culvert n=0.013 L=20.9' S=0.0067 '/' Outflow=0.63 cfs 1,981 cf

Pond CB17: CB #17 Peak Elev=205.89' Inflow=1.14 cfs 3,814 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0049 '/' Outflow=1.14 cfs 3,814 cf

Pond CB18: CB #18 Peak Elev=206.05' Inflow=1.98 cfs 6,110 cf
12.0" Round Culvert n=0.013 L=16.2' S=0.0049 '/' Outflow=1.98 cfs 6,110 cf

Pond CB19: CB #19 Peak Elev=203.82' Inflow=0.90 cfs 2,976 cf
12.0" Round Culvert n=0.013 L=61.0' S=0.0051 '/' Outflow=0.90 cfs 2,976 cf

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Pond CB2: CB#2

Peak Elev=205.74' Inflow=1.84 cfs 6,030 cf
12.0" Round Culvert n=0.013 L=92.1' S=0.0050 ' Outflow=1.84 cfs 6,030 cf

Pond CB20: CB #20

Peak Elev=204.82' Inflow=1.59 cfs 5,359 cf
12.0" Round Culvert n=0.013 L=30.3' S=0.0053 ' Outflow=1.59 cfs 5,359 cf

Pond CB21: CB #21

Peak Elev=205.02' Inflow=1.23 cfs 4,195 cf
12.0" Round Culvert n=0.013 L=26.0' S=0.0050 ' Outflow=1.23 cfs 4,195 cf

Pond CB22: CB #22

Peak Elev=205.95' Inflow=0.99 cfs 3,475 cf
12.0" Round Culvert n=0.012 L=16.1' S=0.0050 ' Outflow=0.99 cfs 3,475 cf

Pond CB23: CB #23

Peak Elev=205.74' Inflow=0.32 cfs 1,049 cf
12.0" Round Culvert n=0.012 L=16.3' S=0.0055 ' Outflow=0.32 cfs 1,049 cf

Pond CB24: CB #24

Peak Elev=205.64' Inflow=0.30 cfs 1,064 cf
12.0" Round Culvert n=0.012 L=12.1' S=0.0050 ' Outflow=0.30 cfs 1,064 cf

Pond CB25: CB #25

Peak Elev=205.83' Inflow=0.95 cfs 3,381 cf
12.0" Round Culvert n=0.012 L=11.4' S=0.0053 ' Outflow=0.95 cfs 3,381 cf

Pond CB26: CB #26

Peak Elev=202.49' Inflow=1.33 cfs 4,545 cf
12.0" Round Culvert n=0.013 L=42.5' S=0.0052 ' Outflow=1.33 cfs 4,545 cf

Pond CB27: CB #27

Peak Elev=201.64' Inflow=0.97 cfs 3,503 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0056 ' Outflow=0.97 cfs 3,503 cf

Pond CB28: CB #28

Peak Elev=198.64' Inflow=0.95 cfs 3,076 cf
12.0" Round Culvert n=0.013 L=13.7' S=0.0044 ' Outflow=0.95 cfs 3,076 cf

Pond CB29: CB #29

Peak Elev=206.05' Inflow=0.62 cfs 2,092 cf
12.0" Round Culvert n=0.013 L=13.5' S=0.0052 ' Outflow=0.62 cfs 2,092 cf

Pond CB3: CB#3

Peak Elev=208.60' Inflow=1.50 cfs 4,860 cf
12.0" Round Culvert n=0.013 L=10.2' S=0.0059 ' Outflow=1.50 cfs 4,860 cf

Pond CB30: CB #30

Peak Elev=206.15' Inflow=1.13 cfs 3,683 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 ' Outflow=1.13 cfs 3,683 cf

Pond CB31: CB #31

Peak Elev=204.90' Inflow=1.22 cfs 3,943 cf
12.0" Round Culvert n=0.013 L=16.4' S=0.0049 ' Outflow=1.22 cfs 3,943 cf

Pond CB32: CB #32

Peak Elev=204.84' Inflow=1.06 cfs 3,473 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0049 ' Outflow=1.06 cfs 3,473 cf

Pond CB33: CB #33

Peak Elev=205.75' Inflow=0.45 cfs 1,504 cf
12.0" Round Culvert n=0.013 L=11.7' S=0.0051 ' Outflow=0.45 cfs 1,504 cf

Pond CB34: CB #34

Peak Elev=205.77' Inflow=0.60 cfs 2,013 cf
12.0" Round Culvert n=0.013 L=16.5' S=0.0048 ' Outflow=0.60 cfs 2,013 cf

Pond CB35: CB #35

Peak Elev=207.37' Inflow=0.31 cfs 1,137 cf
12.0" Round Culvert n=0.013 L=15.2' S=0.0053 ' Outflow=0.31 cfs 1,137 cf

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Pond CB36: CB #36

Peak Elev=207.55' Inflow=0.68 cfs 2,450 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 '/' Outflow=0.68 cfs 2,450 cf

Pond CB37: CB #37

Peak Elev=209.25' Inflow=0.13 cfs 457 cf
12.0" Round Culvert n=0.013 L=77.2' S=0.0098 '/' Outflow=0.13 cfs 457 cf

Pond CB38: CB #38

Peak Elev=210.64' Inflow=2.03 cfs 6,606 cf
12.0" Round Culvert n=0.012 L=22.4' S=0.0094 '/' Outflow=2.03 cfs 6,606 cf

Pond CB39: CB #39

Peak Elev=210.29' Inflow=0.85 cfs 3,058 cf
12.0" Round Culvert n=0.013 L=17.3' S=0.0052 '/' Outflow=0.85 cfs 3,058 cf

Pond CB4: CB#4

Peak Elev=212.72' Inflow=1.43 cfs 6,910 cf
15.0" Round Culvert n=0.012 L=13.1' S=0.0046 '/' Outflow=1.43 cfs 6,910 cf

Pond CB40: CB #40

Peak Elev=214.31' Inflow=0.50 cfs 1,791 cf
12.0" Round Culvert n=0.013 L=26.7' S=0.0049 '/' Outflow=0.50 cfs 1,791 cf

Pond CB41: CB #41

Peak Elev=214.58' Inflow=1.16 cfs 3,747 cf
12.0" Round Culvert n=0.013 L=18.4' S=0.0049 '/' Outflow=1.16 cfs 3,747 cf

Pond CB42: CB #42

Peak Elev=218.36' Inflow=0.69 cfs 2,188 cf
12.0" Round Culvert n=0.013 L=58.1' S=0.0076 '/' Outflow=0.69 cfs 2,188 cf

Pond CB43: CB #43

Peak Elev=220.44' Inflow=0.41 cfs 1,341 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 '/' Outflow=0.41 cfs 1,341 cf

Pond CB44: CB #44

Peak Elev=220.37' Inflow=0.18 cfs 654 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 '/' Outflow=0.18 cfs 654 cf

Pond CB45: CB #45

Peak Elev=221.57' Inflow=0.23 cfs 830 cf
12.0" Round Culvert n=0.013 L=18.2' S=0.0049 '/' Outflow=0.23 cfs 830 cf

Pond CB46: CB #46

Peak Elev=221.76' Inflow=0.15 cfs 539 cf
12.0" Round Culvert n=0.013 L=15.3' S=0.0052 '/' Outflow=0.15 cfs 539 cf

Pond CB47: CB#47

Peak Elev=225.33' Inflow=0.33 cfs 1,182 cf
12.0" Round Culvert n=0.012 L=20.9' S=0.0373 '/' Outflow=0.33 cfs 1,182 cf

Pond CB48: CB#48

Peak Elev=225.31' Inflow=2.61 cfs 10,020 cf
15.0" Round Culvert n=0.012 L=16.9' S=0.0278 '/' Outflow=2.61 cfs 10,020 cf

Pond CB49: CB#49

Peak Elev=216.51' Inflow=0.18 cfs 653 cf
12.0" Round Culvert n=0.012 L=15.4' S=0.0156 '/' Outflow=0.18 cfs 653 cf

Pond CB5: CB#5

Peak Elev=212.34' Inflow=0.16 cfs 573 cf
12.0" Round Culvert n=0.012 L=30.5' S=0.0049 '/' Outflow=0.16 cfs 573 cf

Pond CB50: CB#50

Peak Elev=215.65' Inflow=0.35 cfs 1,120 cf
12.0" Round Culvert n=0.012 L=17.3' S=0.0497 '/' Outflow=0.35 cfs 1,120 cf

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Pond CB6: CB#6Peak Elev=212.60' Inflow=0.19 cfs 670 cf
12.0" Round Culvert n=0.012 L=38.3' S=0.0112 ' Outflow=0.19 cfs 670 cf**Pond CB7: CB#7**Peak Elev=215.10' Inflow=0.93 cfs 2,938 cf
12.0" Round Culvert n=0.013 L=104.0' S=0.0088 ' Outflow=0.93 cfs 2,938 cf**Pond CB8: CB#8**Peak Elev=214.84' Inflow=1.42 cfs 6,429 cf
12.0" Round Culvert n=0.013 L=12.1' S=0.0050 ' Outflow=1.42 cfs 6,429 cf**Pond CB9: CB #9**Peak Elev=210.73' Inflow=1.42 cfs 4,795 cf
12.0" Round Culvert n=0.013 L=19.9' S=0.0196 ' Outflow=1.42 cfs 4,795 cf**Pond D1: DMH#1**Peak Elev=204.48' Inflow=10.02 cfs 46,302 cf
30.0" Round Culvert n=0.013 L=24.6' S=0.0049 ' Outflow=10.02 cfs 46,302 cf**Pond D10: DMH #10**Peak Elev=203.21' Inflow=3.75 cfs 11,906 cf
18.0" Round Culvert n=0.013 L=15.6' S=0.0051 ' Outflow=3.75 cfs 11,906 cf**Pond D11: DMH #11**Peak Elev=205.71' Inflow=3.12 cfs 9,925 cf
15.0" Round Culvert n=0.013 L=246.5' S=0.0070 ' Outflow=3.12 cfs 9,925 cf**Pond D12: DMH #12**Peak Elev=204.50' Inflow=2.82 cfs 9,553 cf
12.0" Round Culvert n=0.013 L=41.9' S=0.0050 ' Outflow=2.82 cfs 9,553 cf**Pond D13: DMH #13**Peak Elev=203.23' Inflow=6.28 cfs 21,498 cf
24.0" Round Culvert n=0.013 L=60.1' S=0.0050 ' Outflow=6.28 cfs 21,498 cf**Pond D14: DMH #14**Peak Elev=205.16' Inflow=2.57 cfs 8,969 cf
15.0" Round Culvert n=0.012 L=246.6' S=0.0050 ' Outflow=2.57 cfs 8,969 cf**Pond D16: DMH #16**Peak Elev=205.59' Inflow=1.26 cfs 4,445 cf
15.0" Round Culvert n=0.012 L=103.5' S=0.0050 ' Outflow=1.26 cfs 4,445 cf**Pond D17: DMH #17**Peak Elev=201.42' Inflow=2.30 cfs 8,049 cf
12.0" Round Culvert n=0.013 L=91.6' S=0.0312 ' Outflow=2.30 cfs 8,049 cf**Pond D18: DMH #18**Peak Elev=198.55' Inflow=3.25 cfs 11,125 cf
15.0" Round Culvert n=0.013 L=51.4' S=0.0051 ' Outflow=3.25 cfs 11,125 cf**Pond D19: DMH #19**Peak Elev=205.97' Inflow=1.75 cfs 5,775 cf
12.0" Round Culvert n=0.013 L=82.5' S=0.0092 ' Outflow=1.75 cfs 5,775 cf**Pond D2: DMH#2**Peak Elev=207.48' Inflow=8.53 cfs 40,272 cf
30.0" Round Culvert n=0.013 L=129.9' S=0.0145 ' Outflow=8.53 cfs 40,272 cf**Pond D20: DMH #20**Peak Elev=205.19' Inflow=1.75 cfs 5,775 cf
12.0" Round Culvert n=0.013 L=63.5' S=0.0049 ' Outflow=1.75 cfs 5,775 cf**Pond D21: DMH #21**Peak Elev=204.29' Inflow=6.20 cfs 20,753 cf
24.0" Round Culvert n=0.013 L=72.4' S=0.0050 ' Outflow=6.20 cfs 20,753 cf**Pond D22: DMH #22**Peak Elev=205.64' Inflow=2.17 cfs 7,561 cf
15.0" Round Culvert n=0.013 L=134.2' S=0.0071 ' Outflow=2.17 cfs 7,561 cf

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Pond D23: DMH #23Peak Elev=207.21' Inflow=1.12 cfs 4,045 cf
15.0" Round Culvert n=0.013 L=173.3' S=0.0100 ' Outflow=1.12 cfs 4,045 cf**Pond D24: DMH #24**Peak Elev=208.40' Inflow=0.13 cfs 457 cf
12.0" Round Culvert n=0.013 L=140.9' S=0.0077 ' Outflow=0.13 cfs 457 cf**Pond D25: DMH #25**Peak Elev=209.17' Inflow=6.19 cfs 20,753 cf
18.0" Round Culvert n=0.012 L=165.0' S=0.0050 ' Outflow=6.19 cfs 20,753 cf**Pond D26: DMH #26**Peak Elev=207.69' Inflow=6.19 cfs 20,753 cf
24.0" Round Culvert n=0.013 L=72.0' S=0.0050 ' Outflow=6.19 cfs 20,753 cf**Pond D27: DMH #27**Peak Elev=214.25' Inflow=3.31 cfs 11,090 cf
15.0" Round Culvert n=0.012 L=247.1' S=0.0195 ' Outflow=3.31 cfs 11,090 cf**Pond D28: DMH #28**Peak Elev=217.75' Inflow=1.65 cfs 5,552 cf
15.0" Round Culvert n=0.013 L=189.5' S=0.0196 ' Outflow=1.65 cfs 5,552 cf**Pond D29: DMH #29**Peak Elev=220.34' Inflow=0.97 cfs 3,364 cf
12.0" Round Culvert n=0.013 L=118.4' S=0.0193 ' Outflow=0.97 cfs 3,364 cf**Pond D3: DMH#3**Peak Elev=212.01' Inflow=6.40 cfs 30,493 cf
24.0" Round Culvert n=0.012 L=282.0' S=0.0146 ' Outflow=6.40 cfs 30,493 cf**Pond D30: DMH #30**Peak Elev=221.28' Inflow=0.38 cfs 1,369 cf
12.0" Round Culvert n=0.013 L=184.2' S=0.0050 ' Outflow=0.38 cfs 1,369 cf**Pond D31: DMH#31**Peak Elev=224.80' Inflow=2.84 cfs 11,201 cf
15.0" Round Culvert n=0.012 L=158.7' S=0.0598 ' Outflow=2.84 cfs 11,201 cf**Pond D32: DMH#32**Peak Elev=215.30' Inflow=3.25 cfs 12,974 cf
15.0" Round Culvert n=0.012 L=122.0' S=0.0050 ' Outflow=3.25 cfs 12,974 cf**Pond D4: DMH#4**Peak Elev=213.66' Inflow=5.12 cfs 22,340 cf
24.0" Round Culvert n=0.012 L=131.1' S=0.0125 ' Outflow=5.12 cfs 22,340 cf**Pond D5: DMH #5**Peak Elev=210.17' Inflow=3.75 cfs 12,620 cf
18.0" Round Culvert n=0.013 L=183.0' S=0.0050 ' Outflow=3.75 cfs 12,620 cf**Pond D6: DMH #6**Peak Elev=209.10' Inflow=3.75 cfs 12,620 cf
18.0" Round Culvert n=0.013 L=299.7' S=0.0050 ' Outflow=3.75 cfs 12,620 cf**Pond D7: DMH #7**Peak Elev=207.11' Inflow=5.36 cfs 17,854 cf
24.0" Round Culvert n=0.013 L=101.8' S=0.0050 ' Outflow=5.36 cfs 17,854 cf**Pond D8: DMH #8**Peak Elev=201.40' Inflow=1.56 cfs 5,193 cf
12.0" Round Culvert n=0.013 L=87.7' S=0.0050 ' Outflow=1.56 cfs 5,193 cf**Pond D9: DMH #9**Peak Elev=200.85' Inflow=1.56 cfs 5,193 cf
12.0" Round Culvert n=0.013 L=11.9' S=0.0050 ' Outflow=1.56 cfs 5,193 cf

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Pond DE1: DRIP #1	Peak Elev=223.88' Storage=243 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 758 cf Primary=0.15 cfs 216 cf Outflow=0.17 cfs 974 cf
Pond DE10: DRIP #10	Peak Elev=213.86' Storage=217 cf Inflow=0.26 cfs 887 cf Discarded=0.02 cfs 693 cf Primary=0.14 cfs 195 cf Outflow=0.16 cfs 887 cf
Pond DE11: DRIP #11	Peak Elev=212.90' Storage=245 cf Inflow=0.29 cfs 999 cf Discarded=0.02 cfs 774 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 999 cf
Pond DE12: DRIP #12	Peak Elev=212.42' Storage=197 cf Inflow=0.36 cfs 1,242 cf Discarded=0.02 cfs 758 cf Primary=0.27 cfs 484 cf Outflow=0.29 cfs 1,242 cf
Pond DE13: DRIP #13	Peak Elev=212.23' Storage=342 cf Inflow=0.44 cfs 1,533 cf Discarded=0.02 cfs 1,052 cf Primary=0.28 cfs 481 cf Outflow=0.30 cfs 1,533 cf
Pond DE14: DRIP #14	Peak Elev=210.26' Storage=217 cf Inflow=0.26 cfs 887 cf Discarded=0.02 cfs 693 cf Primary=0.14 cfs 195 cf Outflow=0.16 cfs 887 cf
Pond DE15: DRIP #15	Peak Elev=209.51' Storage=199 cf Inflow=0.20 cfs 683 cf Discarded=0.02 cfs 601 cf Primary=0.06 cfs 81 cf Outflow=0.08 cfs 683 cf
Pond DE16: DRIP #16	Peak Elev=209.16' Storage=217 cf Inflow=0.26 cfs 887 cf Discarded=0.02 cfs 693 cf Primary=0.14 cfs 195 cf Outflow=0.16 cfs 887 cf
Pond DE17: DRIP #17	Peak Elev=204.80' Storage=189 cf Inflow=0.19 cfs 630 cf Discarded=0.02 cfs 553 cf Primary=0.06 cfs 76 cf Outflow=0.07 cfs 629 cf
Pond DE18: DRIP #18	Peak Elev=206.63' Storage=236 cf Inflow=0.27 cfs 900 cf Discarded=0.02 cfs 715 cf Primary=0.13 cfs 185 cf Outflow=0.14 cfs 900 cf
Pond DE19: DRIP #19	Peak Elev=207.40' Storage=210 cf Inflow=0.24 cfs 799 cf Discarded=0.02 cfs 640 cf Primary=0.11 cfs 159 cf Outflow=0.13 cfs 799 cf
Pond DE2: DRIP #2	Peak Elev=223.24' Storage=168 cf Inflow=0.19 cfs 648 cf Discarded=0.02 cfs 544 cf Primary=0.08 cfs 104 cf Outflow=0.09 cfs 648 cf
Pond DE20: DRIP #20	Peak Elev=207.20' Storage=106 cf Inflow=0.19 cfs 614 cf Discarded=0.06 cfs 614 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 614 cf
Pond DE21: DRIP #21	Peak Elev=207.86' Storage=125 cf Inflow=0.19 cfs 644 cf Discarded=0.05 cfs 644 cf Primary=0.00 cfs 0 cf Outflow=0.05 cfs 644 cf
Pond DE22: DRIP #22	Peak Elev=209.41' Storage=219 cf Inflow=0.36 cfs 1,242 cf Discarded=0.05 cfs 1,079 cf Primary=0.16 cfs 164 cf Outflow=0.22 cfs 1,243 cf
Pond DE23: DRIP #23	Peak Elev=209.64' Storage=179 cf Inflow=0.25 cfs 851 cf Discarded=0.05 cfs 829 cf Primary=0.03 cfs 22 cf Outflow=0.08 cfs 851 cf
Pond DE24: DRIP #24	Peak Elev=210.36' Storage=227 cf Inflow=0.29 cfs 999 cf Discarded=0.06 cfs 999 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 999 cf
Pond DE25: DRIP #25	Peak Elev=211.20' Storage=245 cf Inflow=0.29 cfs 999 cf Discarded=0.02 cfs 774 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 999 cf

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Pond DE26: DRIP #26	Peak Elev=211.87' Storage=204 cf Inflow=0.25 cfs 851 cf Discarded=0.02 cfs 657 cf Primary=0.15 cfs 194 cf Outflow=0.16 cfs 851 cf
Pond DE27: DRIP #27	Peak Elev=212.61' Storage=118 cf Inflow=0.26 cfs 887 cf Discarded=0.02 cfs 577 cf Primary=0.20 cfs 311 cf Outflow=0.21 cfs 887 cf
Pond DE28: DRIP #28	Peak Elev=213.36' Storage=217 cf Inflow=0.26 cfs 887 cf Discarded=0.02 cfs 693 cf Primary=0.14 cfs 195 cf Outflow=0.16 cfs 887 cf
Pond DE29: DRIP #29	Peak Elev=213.48' Storage=151 cf Inflow=0.25 cfs 852 cf Discarded=0.02 cfs 593 cf Primary=0.18 cfs 259 cf Outflow=0.20 cfs 852 cf
Pond DE3: DRIP #3	Peak Elev=222.65' Storage=203 cf Inflow=0.24 cfs 830 cf Discarded=0.02 cfs 643 cf Primary=0.14 cfs 186 cf Outflow=0.15 cfs 830 cf
Pond DE30: DRIP #30	Peak Elev=213.75' Storage=201 cf Inflow=0.29 cfs 1,000 cf Discarded=0.02 cfs 717 cf Primary=0.19 cfs 283 cf Outflow=0.21 cfs 1,000 cf
Pond DE31: DRIP #31	Peak Elev=213.88' Storage=249 cf Inflow=0.29 cfs 1,002 cf Discarded=0.02 cfs 784 cf Primary=0.15 cfs 218 cf Outflow=0.17 cfs 1,002 cf
Pond DE32: DRIP #32	Peak Elev=213.27' Storage=204 cf Inflow=0.25 cfs 851 cf Discarded=0.02 cfs 657 cf Primary=0.15 cfs 194 cf Outflow=0.16 cfs 851 cf
Pond DE33: DRIP #33	Peak Elev=212.31' Storage=199 cf Inflow=0.20 cfs 683 cf Discarded=0.02 cfs 601 cf Primary=0.06 cfs 81 cf Outflow=0.08 cfs 683 cf
Pond DE34: DRIP #34	Peak Elev=212.51' Storage=340 cf Inflow=0.43 cfs 1,495 cf Discarded=0.02 cfs 1,030 cf Primary=0.27 cfs 465 cf Outflow=0.29 cfs 1,494 cf
Pond DE35: DRIP #35	Peak Elev=211.21' Storage=340 cf Inflow=0.43 cfs 1,495 cf Discarded=0.02 cfs 1,030 cf Primary=0.27 cfs 465 cf Outflow=0.29 cfs 1,494 cf
Pond DE36: DRIP #36	Peak Elev=208.72' Storage=197 cf Inflow=0.36 cfs 1,242 cf Discarded=0.02 cfs 758 cf Primary=0.27 cfs 484 cf Outflow=0.29 cfs 1,242 cf
Pond DE37: DRIP #37	Peak Elev=209.71' Storage=197 cf Inflow=0.35 cfs 1,212 cf Discarded=0.02 cfs 742 cf Primary=0.27 cfs 469 cf Outflow=0.29 cfs 1,211 cf
Pond DE38: DRIP #39	Peak Elev=210.88' Storage=243 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 758 cf Primary=0.15 cfs 216 cf Outflow=0.17 cfs 974 cf
Pond DE39: DRIP #39	Peak Elev=211.85' Storage=203 cf Inflow=0.24 cfs 830 cf Discarded=0.02 cfs 643 cf Primary=0.14 cfs 186 cf Outflow=0.15 cfs 830 cf
Pond DE4: DRIP #4	Peak Elev=220.88' Storage=243 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 758 cf Primary=0.15 cfs 216 cf Outflow=0.17 cfs 974 cf
Pond DE40: DRIP #40	Peak Elev=212.88' Storage=243 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 758 cf Primary=0.15 cfs 216 cf Outflow=0.17 cfs 973 cf

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Pond DE41: DRIP #41Peak Elev=213.88' Storage=243 cf Inflow=0.29 cfs 974 cf
Discarded=0.02 cfs 758 cf Primary=0.15 cfs 216 cf Outflow=0.17 cfs 974 cf**Pond DE42: DRIP #42**Peak Elev=214.85' Storage=216 cf Inflow=0.25 cfs 865 cf
Discarded=0.02 cfs 678 cf Primary=0.14 cfs 186 cf Outflow=0.15 cfs 865 cf**Pond DE43: DRIP #43**Peak Elev=215.85' Storage=203 cf Inflow=0.24 cfs 830 cf
Discarded=0.02 cfs 643 cf Primary=0.14 cfs 186 cf Outflow=0.15 cfs 830 cf**Pond DE44: DRIP #44**Peak Elev=217.88' Storage=243 cf Inflow=0.29 cfs 974 cf
Discarded=0.02 cfs 758 cf Primary=0.15 cfs 216 cf Outflow=0.17 cfs 973 cf**Pond DE45: DRIP #45**Peak Elev=218.85' Storage=203 cf Inflow=0.24 cfs 830 cf
Discarded=0.02 cfs 643 cf Primary=0.14 cfs 186 cf Outflow=0.15 cfs 830 cf**Pond DE47: DRIP #47**Peak Elev=218.71' Storage=199 cf Inflow=0.35 cfs 1,212 cf
Discarded=0.02 cfs 746 cf Primary=0.27 cfs 465 cf Outflow=0.29 cfs 1,211 cf**Pond DE48: DRIP #48**Peak Elev=216.69' Storage=197 cf Inflow=0.19 cfs 648 cf
Discarded=0.02 cfs 579 cf Primary=0.05 cfs 69 cf Outflow=0.07 cfs 648 cf**Pond DE49: DRIP #49**Peak Elev=214.85' Storage=216 cf Inflow=0.25 cfs 865 cf
Discarded=0.02 cfs 678 cf Primary=0.14 cfs 186 cf Outflow=0.15 cfs 865 cf**Pond DE5: DRIP #5**Peak Elev=220.45' Storage=203 cf Inflow=0.24 cfs 830 cf
Discarded=0.02 cfs 643 cf Primary=0.14 cfs 186 cf Outflow=0.15 cfs 830 cf**Pond DE6: DRIP #6**Peak Elev=212.35' Storage=223 cf Inflow=0.26 cfs 891 cf
Discarded=0.02 cfs 706 cf Primary=0.14 cfs 185 cf Outflow=0.15 cfs 891 cf**Pond DE61: DRIP #61**Peak Elev=213.30' Storage=307 cf Inflow=0.61 cfs 2,080 cf
Discarded=0.04 cfs 1,349 cf Primary=0.46 cfs 731 cf Outflow=0.50 cfs 2,080 cf**Pond DE62: DRIP #62**Peak Elev=213.30' Storage=307 cf Inflow=0.61 cfs 2,080 cf
Discarded=0.04 cfs 1,349 cf Primary=0.46 cfs 731 cf Outflow=0.50 cfs 2,080 cf**Pond DE63: DRIP #63**Peak Elev=207.94' Storage=155 cf Inflow=0.36 cfs 1,249 cf
Discarded=0.02 cfs 811 cf Primary=0.31 cfs 437 cf Outflow=0.33 cfs 1,248 cf**Pond DE64: DRIP #64**Peak Elev=206.30' Storage=249 cf Inflow=0.45 cfs 1,553 cf
Discarded=0.03 cfs 1,040 cf Primary=0.37 cfs 514 cf Outflow=0.39 cfs 1,553 cf**Pond DE65: DRIP #65**Peak Elev=206.95' Storage=155 cf Inflow=0.36 cfs 1,249 cf
Discarded=0.02 cfs 810 cf Primary=0.31 cfs 438 cf Outflow=0.33 cfs 1,248 cf**Pond DE66: DRIP #66**Peak Elev=208.81' Storage=186 cf Inflow=0.45 cfs 1,547 cf
Discarded=0.03 cfs 963 cf Primary=0.38 cfs 583 cf Outflow=0.40 cfs 1,546 cf**Pond DE67: DRIP #67**Peak Elev=209.01' Storage=186 cf Inflow=0.45 cfs 1,547 cf
Discarded=0.03 cfs 963 cf Primary=0.38 cfs 583 cf Outflow=0.40 cfs 1,546 cf**Pond DE68: DRIP #68**Peak Elev=208.11' Storage=309 cf Inflow=0.62 cfs 2,135 cf
Discarded=0.04 cfs 1,383 cf Primary=0.47 cfs 751 cf Outflow=0.51 cfs 2,134 cf

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Pond DE69: DRIP #69Peak Elev=206.51' Storage=193 cf Inflow=0.45 cfs 1,553 cf
Discarded=0.03 cfs 983 cf Primary=0.37 cfs 570 cf Outflow=0.40 cfs 1,553 cf**Pond DE7: DRIP #7**Peak Elev=212.21' Storage=199 cf Inflow=0.20 cfs 683 cf
Discarded=0.02 cfs 601 cf Primary=0.06 cfs 81 cf Outflow=0.08 cfs 683 cf**Pond DE70: DRIP #70**Peak Elev=206.91' Storage=193 cf Inflow=0.45 cfs 1,553 cf
Discarded=0.03 cfs 983 cf Primary=0.37 cfs 570 cf Outflow=0.40 cfs 1,553 cf**Pond DE71: DRIP #71**Peak Elev=207.61' Storage=309 cf Inflow=0.62 cfs 2,134 cf
Discarded=0.04 cfs 1,382 cf Primary=0.47 cfs 752 cf Outflow=0.51 cfs 2,134 cf**Pond DE8: DRIP #8**Peak Elev=213.47' Storage=204 cf Inflow=0.25 cfs 851 cf
Discarded=0.02 cfs 657 cf Primary=0.15 cfs 194 cf Outflow=0.16 cfs 851 cf**Pond DE9: DRIP #9**Peak Elev=213.80' Storage=245 cf Inflow=0.29 cfs 999 cf
Discarded=0.02 cfs 774 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 999 cf**Pond DECH: DRIP #CH**Peak Elev=209.25' Storage=321 cf Inflow=0.56 cfs 1,891 cf
Discarded=0.04 cfs 1,232 cf Primary=0.32 cfs 658 cf Outflow=0.36 cfs 1,890 cf**Pond P204: STORMTECH INFILTRATION**Peak Elev=205.11' Storage=6,540 cf Inflow=3.20 cfs 10,433 cf
Discarded=0.06 cfs 3,997 cf Primary=0.05 cfs 513 cf Outflow=0.11 cfs 4,510 cf**Pond P205: EXTENDED DETENTION**Peak Elev=201.24' Storage=44,435 cf Inflow=12.86 cfs 57,624 cf
Outflow=0.74 cfs 29,818 cf**Pond P206: STORMTECH INFILTRATION**Peak Elev=196.09' Storage=5,518 cf Inflow=7.35 cfs 25,524 cf
Discarded=0.17 cfs 11,123 cf Primary=5.81 cfs 12,906 cf Outflow=5.98 cfs 24,029 cf**Pond P207: INFILTRATION POND #2**Peak Elev=197.07' Storage=17,383 cf Inflow=13.51 cfs 44,666 cf
Discarded=0.72 cfs 28,417 cf Primary=2.86 cfs 13,911 cf Outflow=3.58 cfs 42,328 cf**Pond P210: EXTENDED DETENTION**Peak Elev=203.40' Storage=18,208 cf Inflow=9.24 cfs 29,807 cf
Outflow=2.58 cfs 22,590 cf**Pond P212: INFILTRATION POND #1**Peak Elev=202.20' Storage=28,119 cf Inflow=18.47 cfs 73,698 cf
Discarded=1.90 cfs 62,793 cf Primary=1.91 cfs 10,886 cf Outflow=3.81 cfs 73,679 cf**Link AP1: ANALYSIS POINT 1**Inflow=1.15 cfs 3,798 cf
Primary=1.15 cfs 3,798 cf**Link AP2: ANALYSIS POINT 2**Inflow=19.51 cfs 167,791 cf
Primary=19.51 cfs 167,791 cf**Link AP3: ANALYSIS POINT 3**Inflow=2.88 cfs 9,111 cf
Primary=2.88 cfs 9,111 cf**Link AP4: ANALYSIS POINT #4**Inflow=25.99 cfs 184,538 cf
Primary=25.99 cfs 184,538 cf

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Total Runoff Area = 2,573,920 sf Runoff Volume = 573,675 cf Average Runoff Depth = 2.67"
76.95% Pervious = 1,980,611 sf 23.05% Impervious = 593,309 sf

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 2.73 cfs @ 12.09 hrs, Volume= 9,873 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
21,440	98	Roofs, HSG C
3,659	98	Roofs, HSG D
25,099	98	Weighted Average
25,099		100.00% Impervious Area

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

Summary for Subcatchment B2: MULTIFAMILY BLDG #2

Runoff = 1.91 cfs @ 12.09 hrs, Volume= 6,924 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
7,721	98	Roofs, HSG A
9,881	98	Roofs, HSG C
17,602	98	Weighted Average
17,602		100.00% Impervious Area

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

Summary for Subcatchment C1: CB #1

Runoff = 1.15 cfs @ 12.23 hrs, Volume= 4,919 cf, Depth> 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
9,297	61	>75% Grass cover, Good, HSG B
6,129	98	Paved parking, HSG B
11,904	68	1 acre lots, 20% imp, HSG B
27,330	72	Weighted Average
18,820		68.86% Pervious Area
8,510		31.14% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
1.4	60	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.1	89	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
1.4	214	0.0150	2.49		Shallow Concentrated Flow, Paved Kv= 20.3 fps
16.1	413	Total			

Summary for Subcatchment C10: CB #10

Runoff = 1.07 cfs @ 12.09 hrs, Volume= 3,808 cf, Depth> 4.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
352	98	Paved parking, HSG B
483	74	>75% Grass cover, Good, HSG C
7,603	98	Paved parking, HSG C
68	80	>75% Grass cover, Good, HSG D
1,419	98	Paved parking, HSG D
9,925	97	Weighted Average
551		5.55% Pervious Area
9,374		94.45% Impervious Area

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

Summary for Subcatchment C11: CB #11

Runoff = 1.25 cfs @ 12.09 hrs, Volume= 4,017 cf, Depth> 3.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
7,228	74	>75% Grass cover, Good, HSG C
6,837	98	Paved parking, HSG C
14,065	86	Weighted Average
7,228		51.39% Pervious Area
6,837		48.61% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C12: CB #12

Runoff = 0.83 cfs @ 12.09 hrs, Volume= 2,662 cf, Depth> 3.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
5,036	74	>75% Grass cover, Good, HSG C
4,562	98	Paved parking, HSG C
9,598	85	Weighted Average
5,036		52.47% Pervious Area
4,562		47.53% Impervious Area

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

Summary for Subcatchment C13: CB #13

Runoff = 0.78 cfs @ 12.09 hrs, Volume= 2,572 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,272	74	>75% Grass cover, Good, HSG C
5,561	98	Paved parking, HSG C
7,833	91	Weighted Average
2,272		29.01% Pervious Area
5,561		70.99% Impervious Area

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

Summary for Subcatchment C14: CB #14

Runoff = 1.03 cfs @ 12.09 hrs, Volume= 3,267 cf, Depth> 3.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
2,861	39	>75% Grass cover, Good, HSG A
7,490	98	Paved parking, HSG A
643	74	>75% Grass cover, Good, HSG C
1,510	98	Paved parking, HSG C
12,504	83	Weighted Average
3,504		28.02% Pervious Area
9,000		71.98% Impervious Area

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

Summary for Subcatchment C15: CB #15

Runoff = 0.53 cfs @ 12.09 hrs, Volume= 1,926 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4,739	98	Paved parking, HSG A
156	98	Paved parking, HSG C
4,895	98	Weighted Average
4,895		100.00% Impervious Area

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

Summary for Subcatchment C16: CB #16

Runoff = 0.63 cfs @ 12.09 hrs, Volume= 1,981 cf, Depth> 2.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,377	39	>75% Grass cover, Good, HSG A
4,346	98	Paved parking, HSG A
457	74	>75% Grass cover, Good, HSG C
1,146	98	Paved parking, HSG C
8,326	80	Weighted Average
2,834		34.04% Pervious Area
5,492		65.96% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C17: CB #17

Runoff = 1.14 cfs @ 12.09 hrs, Volume= 3,814 cf, Depth> 4.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,927	74	>75% Grass cover, Good, HSG C
8,382	98	Paved parking, HSG C
11,309	92	Weighted Average
2,927		25.88% Pervious Area
8,382		74.12% Impervious Area

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

Summary for Subcatchment C18: CB #18

Runoff = 1.70 cfs @ 12.09 hrs, Volume= 5,452 cf, Depth> 3.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
9,888	74	>75% Grass cover, Good, HSG C
9,204	98	Paved parking, HSG C
19,092	86	Weighted Average
9,888		51.79% Pervious Area
9,204		48.21% Impervious Area

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

Summary for Subcatchment C2: CB #2

Runoff = 1.84 cfs @ 12.09 hrs, Volume= 6,030 cf, Depth> 3.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
2,274	61	>75% Grass cover, Good, HSG B
7,470	98	Paved parking, HSG B
2,699	74	>75% Grass cover, Good, HSG C
6,426	98	Paved parking, HSG C
18,869	90	Weighted Average
4,973		26.36% Pervious Area
13,896		73.64% Impervious Area

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

Summary for Subcatchment C20: CB #20

Runoff = 1.59 cfs @ 12.09 hrs, Volume= 5,359 cf, Depth> 4.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
274	39	>75% Grass cover, Good, HSG A
4,262	98	Paved parking, HSG A
2,415	74	>75% Grass cover, Good, HSG C
7,955	98	Paved parking, HSG C
353	80	>75% Grass cover, Good, HSG D
215	98	Paved parking, HSG D
15,474	93	Weighted Average
3,042		19.66% Pervious Area
12,432		80.34% Impervious Area

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

Summary for Subcatchment C21: CB #21

Runoff = 1.23 cfs @ 12.09 hrs, Volume= 4,195 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
768	39	>75% Grass cover, Good, HSG A
10,202	98	Paved parking, HSG A
830	98	Paved parking, HSG C
11,800	94	Weighted Average
768		6.51% Pervious Area
11,032		93.49% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C22: CB #22

Runoff = 0.99 cfs @ 12.09 hrs, Volume= 3,475 cf, Depth> 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
272	98	Paved parking, HSG A
2,489	98	Paved parking, HSG C
1,141	80	>75% Grass cover, Good, HSG D
5,385	98	Paved parking, HSG D
9,287	96	Weighted Average
1,141		12.29% Pervious Area
8,146		87.71% Impervious Area

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

Summary for Subcatchment C23: CB #23

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,049 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
146	98	Paved parking, HSG A
1,177	80	>75% Grass cover, Good, HSG D
1,871	98	Paved parking, HSG D
3,194	91	Weighted Average
1,177		36.85% Pervious Area
2,017		63.15% Impervious Area

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

Summary for Subcatchment C24: CB #24

Runoff = 0.30 cfs @ 12.09 hrs, Volume= 1,064 cf, Depth> 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
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Area (sf)	CN	Description
328	80	>75% Grass cover, Good, HSG D
2,515	98	Paved parking, HSG D
2,843	96	Weighted Average
328		11.54% Pervious Area
2,515		88.46% Impervious Area

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

Summary for Subcatchment C25: CB #25

Runoff = 0.95 cfs @ 12.09 hrs, Volume= 3,381 cf, Depth> 4.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3	98	Paved parking, HSG A
15	74	>75% Grass cover, Good, HSG C
300	98	Paved parking, HSG C
335	80	>75% Grass cover, Good, HSG D
8,159	98	Paved parking, HSG D
8,812	97	Weighted Average
350		3.97% Pervious Area
8,462		96.03% Impervious Area

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

Summary for Subcatchment C26: CB #26

Runoff = 1.33 cfs @ 12.09 hrs, Volume= 4,545 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,187	80	>75% Grass cover, Good, HSG D
9,600	98	Paved parking, HSG D
12,787	94	Weighted Average
3,187		24.92% Pervious Area
9,600		75.08% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C27: CB #27

Runoff = 0.97 cfs @ 12.09 hrs, Volume= 3,503 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
776	98	Paved parking, HSG A
8,130	98	Paved parking, HSG D
8,906	98	Weighted Average
8,906		100.00% Impervious Area

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

Summary for Subcatchment C28: CB #28

Runoff = 0.95 cfs @ 12.09 hrs, Volume= 3,076 cf, Depth> 3.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,750	74	>75% Grass cover, Good, HSG C
2,843	98	Paved parking, HSG C
2,097	80	>75% Grass cover, Good, HSG D
2,483	98	Paved parking, HSG D
10,173	88	Weighted Average
4,847		47.65% Pervious Area
5,326		52.35% Impervious Area

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

Summary for Subcatchment C29: CB #29

Runoff = 0.62 cfs @ 12.09 hrs, Volume= 2,092 cf, Depth> 4.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
1,194	74	>75% Grass cover, Good, HSG C
4,848	98	Paved parking, HSG C
6,042	93	Weighted Average
1,194		19.76% Pervious Area
4,848		80.24% Impervious Area

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

Summary for Subcatchment C3: CB #3

Runoff = 1.50 cfs @ 12.09 hrs, Volume= 4,860 cf, Depth> 3.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4,139	61	>75% Grass cover, Good, HSG B
11,935	98	Paved parking, HSG B
16,074	88	Weighted Average
4,139		25.75% Pervious Area
11,935		74.25% Impervious Area

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

Summary for Subcatchment C30: CB #30

Runoff = 1.13 cfs @ 12.09 hrs, Volume= 3,683 cf, Depth> 3.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4,358	74	>75% Grass cover, Good, HSG C
7,488	98	Paved parking, HSG C
11,846	89	Weighted Average
4,358		36.79% Pervious Area
7,488		63.21% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment C31: CB #31

Runoff = 1.22 cfs @ 12.09 hrs, Volume= 3,943 cf, Depth> 3.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
5,425	74	>75% Grass cover, Good, HSG C
7,617	98	Paved parking, HSG C
13,042	88	Weighted Average
5,425		41.60% Pervious Area
7,617		58.40% Impervious Area

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

Summary for Subcatchment C32: CB #32

Runoff = 1.06 cfs @ 12.09 hrs, Volume= 3,473 cf, Depth> 3.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,762	74	>75% Grass cover, Good, HSG C
7,106	98	Paved parking, HSG C
10,868	90	Weighted Average
3,762		34.62% Pervious Area
7,106		65.38% Impervious Area

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

Summary for Subcatchment C33: CB #33

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,504 cf, Depth> 4.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
890	74	>75% Grass cover, Good, HSG C
3,452	98	Paved parking, HSG C
4,342	93	Weighted Average
890		20.50% Pervious Area
3,452		79.50% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C34: CB #34

Runoff = 0.60 cfs @ 12.09 hrs, Volume= 2,013 cf, Depth> 4.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,451	74	>75% Grass cover, Good, HSG C
4,516	98	Paved parking, HSG C
5,967	92	Weighted Average
1,451		24.32% Pervious Area
4,516		75.68% Impervious Area

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

Summary for Subcatchment C35: CB #35

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,137 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,891	98	Paved parking, HSG C
2,891		100.00% Impervious Area

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

Summary for Subcatchment C36: CB #36

Runoff = 0.68 cfs @ 12.09 hrs, Volume= 2,450 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
6,229	98	Paved parking, HSG C
6,229		100.00% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C37: CB #37

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 457 cf, Depth> 4.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4	74	>75% Grass cover, Good, HSG C
639	98	Paved parking, HSG C
65	80	>75% Grass cover, Good, HSG D
484	98	Paved parking, HSG D
1,192	97	Weighted Average
69		5.79% Pervious Area
1,123		94.21% Impervious Area

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

Summary for Subcatchment C38: CB #38

Runoff = 2.03 cfs @ 12.09 hrs, Volume= 6,606 cf, Depth> 3.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4,865	61	>75% Grass cover, Good, HSG B
15,391	98	Paved parking, HSG B
38	74	>75% Grass cover, Good, HSG C
355	98	Paved parking, HSG C
81	80	>75% Grass cover, Good, HSG D
517	98	Paved parking, HSG D
21,247	89	Weighted Average
4,984		23.46% Pervious Area
16,263		76.54% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment C39: CB #39

Runoff = 0.85 cfs @ 12.09 hrs, Volume= 3,058 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
9	61	>75% Grass cover, Good, HSG B
6,543	98	Paved parking, HSG B
45	74	>75% Grass cover, Good, HSG C
517	98	Paved parking, HSG C
67	80	>75% Grass cover, Good, HSG D
592	98	Paved parking, HSG D
7,773	98	Weighted Average
121		1.56% Pervious Area
7,652		98.44% Impervious Area

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

Summary for Subcatchment C4: CB #4

Runoff = 1.43 cfs @ 12.31 hrs, Volume= 6,910 cf, Depth> 1.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
6,704	61	>75% Grass cover, Good, HSG B
3,241	98	Paved parking, HSG B
33,270	68	1 acre lots, 20% imp, HSG B
43,215	69	Weighted Average
33,320		77.10% Pervious Area
9,895		22.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
7.4	316	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.4	109	0.0360	1.33		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.4	70	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
21.4	545	Total			

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment C40: CB #40

Runoff = 0.50 cfs @ 12.09 hrs, Volume= 1,791 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4,552	98	Paved parking, HSG B
4,552		100.00% Impervious Area

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

Summary for Subcatchment C41: CB #41

Runoff = 1.16 cfs @ 12.09 hrs, Volume= 3,747 cf, Depth> 3.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,917	61	>75% Grass cover, Good, HSG B
8,833	98	Paved parking, HSG B
12,750	87	Weighted Average
3,917		30.72% Pervious Area
8,833		69.28% Impervious Area

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

Summary for Subcatchment C42: CB #42

Runoff = 0.69 cfs @ 12.09 hrs, Volume= 2,188 cf, Depth> 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
7,160	61	>75% Grass cover, Good, HSG B
4,109	98	Paved parking, HSG B
11,269	74	Weighted Average
7,160		63.54% Pervious Area
4,109		36.46% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C43: CB #43

Runoff = 0.41 cfs @ 12.09 hrs, Volume= 1,341 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
751	61	>75% Grass cover, Good, HSG B
3,333	98	Paved parking, HSG B
4,084	91	Weighted Average
751		18.39% Pervious Area
3,333		81.61% Impervious Area

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

Summary for Subcatchment C44: CB #44

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 654 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,662	98	Paved parking, HSG B
1,662		100.00% Impervious Area

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

Summary for Subcatchment C45: CB #45

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 830 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,109	98	Paved parking, HSG B
2,109		100.00% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment C46: CB #46

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 539 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,371	98	Paved parking, HSG B
1,371		100.00% Impervious Area

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

Summary for Subcatchment C47: CB#47

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,182 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,004	98	Paved parking, HSG B
3,004		100.00% Impervious Area

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

Summary for Subcatchment C48: CB#48

Runoff = 2.61 cfs @ 12.17 hrs, Volume= 10,020 cf, Depth> 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4,469	98	Paved parking, HSG B
55,596	68	1 acre lots, 20% imp, HSG B
60,065	70	Weighted Average
44,477		74.05% Pervious Area
15,588		25.95% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.0	50	0.0800	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
4.8	350	0.0600	1.22		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
11.8	400	Total			

Summary for Subcatchment C49: CB#49

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 653 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,659	98	Paved parking, HSG B
1,659		100.00% Impervious Area

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

Summary for Subcatchment C5: CB #5

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 573 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,337	98	Paved parking, HSG B
119	98	Paved parking, HSG D
1,456	98	Weighted Average
1,456		100.00% Impervious Area

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

Summary for Subcatchment C50: CB#50

Runoff = 0.35 cfs @ 12.10 hrs, Volume= 1,120 cf, Depth> 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
3,913	61	>75% Grass cover, Good, HSG B
754	55	Woods, Good, HSG B
1,781	98	Paved parking, HSG B
6,448	71	Weighted Average
4,667		72.38% Pervious Area
1,781		27.62% Impervious Area

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

Summary for Subcatchment C6: CB #6

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 670 cf, Depth> 4.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,704	98	Paved parking, HSG B
1,704		100.00% Impervious Area

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

Summary for Subcatchment C7: CB #7

Runoff = 0.93 cfs @ 12.09 hrs, Volume= 2,938 cf, Depth> 2.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
6,666	61	>75% Grass cover, Good, HSG B
6,084	98	Paved parking, HSG B
12,750	79	Weighted Average
6,666		52.28% Pervious Area
6,084		47.72% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment C8: CB #8

Runoff = 1.42 cfs @ 12.26 hrs, Volume= 6,429 cf, Depth> 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
7,864	61	>75% Grass cover, Good, HSG B
4,598	98	Paved parking, HSG B
102	55	Woods, Good, HSG B
26,037	68	1 acre lots, 20% imp, HSG B
38,601	70	Weighted Average
28,796		74.60% Pervious Area
9,805		25.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
5.1	304	0.0200	0.99		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.5	91	0.0430	3.34		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.4	75	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
18.2	520	Total			

Summary for Subcatchment C9: CB #9

Runoff = 1.42 cfs @ 12.09 hrs, Volume= 4,795 cf, Depth> 4.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
54	98	Paved parking, HSG B
2,695	74	>75% Grass cover, Good, HSG C
10,158	98	Paved parking, HSG C
939	98	Paved parking, HSG D
13,846	93	Weighted Average
2,695		19.46% Pervious Area
11,151		80.54% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 0.56 cfs @ 12.09 hrs, Volume= 1,891 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
4,489	98	Roofs, HSG C
830	74	>75% Grass cover, Good, HSG C
5,319	94	Weighted Average
830		15.60% Pervious Area
4,489		84.40% Impervious Area

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

Summary for Subcatchment H1: SF #1

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 974 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H10: SF #10

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 887 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment H11: SF #11

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 999 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H12: SF #12

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,242 cf, Depth> 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H13: SF #13

Runoff = 0.44 cfs @ 12.09 hrs, Volume= 1,533 cf, Depth> 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
3,715	98	Roofs, HSG C
382	74	>75% Grass cover, Good, HSG C
4,097	96	Weighted Average
382		9.32% Pervious Area
3,715		90.68% Impervious Area

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

Summary for Subcatchment H14: SF #14

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 887 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H15: SF #15

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 683 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment H16: SF #16

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 887 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H17: SF #17

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 630 cf, Depth> 3.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,693	98	Roofs, HSG A
277	39	>75% Grass cover, Good, HSG A
1,970	90	Weighted Average
277		14.06% Pervious Area
1,693		85.94% Impervious Area

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

Summary for Subcatchment H18: SF #18

Runoff = 0.27 cfs @ 12.09 hrs, Volume= 900 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,419	98	Roofs, HSG A
321	39	>75% Grass cover, Good, HSG A
2,740	91	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment H19: SF #19

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 799 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG A
290	39	>75% Grass cover, Good, HSG A
2,433	91	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H2: SF #2

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 648 cf, Depth> 4.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H20: SF #20

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 614 cf, Depth> 3.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
1,085	98	Roofs, HSG A
214	39	>75% Grass cover, Good, HSG A
546	98	Roofs, HSG C
76	74	>75% Grass cover, Good, HSG C
1,921	90	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H21: SF #21

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 644 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
793	98	Roofs, HSG A
190	39	>75% Grass cover, Good, HSG A
900	98	Roofs, HSG C
78	74	>75% Grass cover, Good, HSG C
1,961	91	Weighted Average
268		13.67% Pervious Area
1,693		86.33% Impervious Area

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

Summary for Subcatchment H22: SF #22

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,242 cf, Depth> 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment H23: SF #23

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 851 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H24: SF #24

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 999 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H25: SF #25

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 999 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H26: SF #26

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 851 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H27: SF #27

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 887 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment H28: SF #28

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 887 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H29: SF #29

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 852 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
273	74	>75% Grass cover, Good, HSG C
2,335	95	Weighted Average
273		11.69% Pervious Area
2,062		88.31% Impervious Area

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

Summary for Subcatchment H3: SF #3

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 830 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment H30: SF #30

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 1,000 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
322	74	>75% Grass cover, Good, HSG C
2,741	95	Weighted Average
322		11.75% Pervious Area
2,419		88.25% Impervious Area

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

Summary for Subcatchment H31: SF #31

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 1,002 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
329	74	>75% Grass cover, Good, HSG C
2,748	95	Weighted Average
329		11.97% Pervious Area
2,419		88.03% Impervious Area

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

Summary for Subcatchment H32: SF #32

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 851 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H33: SF #33

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 683 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H34: SF #34

Runoff = 0.43 cfs @ 12.09 hrs, Volume= 1,495 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment H35: SF #35

Runoff = 0.43 cfs @ 12.09 hrs, Volume= 1,495 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

Summary for Subcatchment H36: SF #36

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,242 cf, Depth> 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
355	98	Roofs, HSG B
107	61	>75% Grass cover, Good, HSG B
2,680	98	Roofs, HSG C
178	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H37: SF #37

Runoff = 0.35 cfs @ 12.09 hrs, Volume= 1,212 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

Summary for Subcatchment H38: SF #38

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 974 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H39: SF #39

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 830 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment H4: SF #4

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 974 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H40: SF #40

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 974 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H41: SF #41

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 974 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment H42: SF #42

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 865 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H43: SF #43

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 830 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H44: SF #44

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 974 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H45: SF #45

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 830 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H46: SF #46

Runoff = 0.35 cfs @ 12.09 hrs, Volume= 1,212 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment H47: SF #47

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 648 cf, Depth> 4.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H48: SF #48

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 865 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H5: SF #5

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 830 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment H6: SF #6

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 891 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
300	74	>75% Grass cover, Good, HSG C
2,443	95	Weighted Average
300		12.28% Pervious Area
2,143		87.72% Impervious Area

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

Summary for Subcatchment H7: SF #7

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 683 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H8: SF #8

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 851 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H9: SF #9

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 999 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment S201: SUMMER STREET ACCESS APRON

Runoff = 1.15 cfs @ 12.09 hrs, Volume= 3,798 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,253	61	>75% Grass cover, Good, HSG B
9,313	98	Paved parking, HSG B
11,566	91	Weighted Average
2,253		19.48% Pervious Area
9,313		80.52% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 18.11 cfs @ 12.30 hrs, Volume= 85,680 cf, Depth> 2.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
135,263	61	>75% Grass cover, Good, HSG B
62,748	55	Woods, Good, HSG B
14,088	98	Paved parking, HSG B
5,771	74	>75% Grass cover, Good, HSG C
12,909	70	Woods, Good, HSG C
127	98	Water Surface, 0% imp, HSG C
516	80	>75% Grass cover, Good, HSG D
167,325	98	Water Surface, 0% imp, HSG D
398,747	77	Weighted Average
384,659		96.47% Pervious Area
14,088		3.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.2	50	0.0600	0.16		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
1.9	192	0.0600	1.71		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
2.8	314	0.0700	1.85		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
11.6	493	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
21.5	1,049	Total			

Summary for Subcatchment S203: INFILTRATION POND #1

Runoff = 2.64 cfs @ 12.09 hrs, Volume= 8,322 cf, Depth> 2.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
19,898	61	>75% Grass cover, Good, HSG B
3,654	98	Water Surface, 0% imp, HSG B
3,247	98	Paved parking, HSG B
3,556	74	>75% Grass cover, Good, HSG C
8,247	98	Water Surface, 0% imp, HSG C
38,602	77	Weighted Average
35,355		91.59% Pervious Area
3,247		8.41% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 12.67 cfs @ 12.31 hrs, Volume= 61,069 cf, Depth> 2.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
40,469	61	>75% Grass cover, Good, HSG B
14,815	55	Woods, Good, HSG B
66,293	74	>75% Grass cover, Good, HSG C
42,142	70	Woods, Good, HSG C
4,299	80	>75% Grass cover, Good, HSG D
2,509	77	Woods, Good, HSG D
95,456	98	Water Surface, 0% imp, HSG D
265,983	79	Weighted Average
265,983		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.2000	0.26		Sheet Flow,
					Grass: Dense n= 0.240 P2= 3.27"
19.4	582	0.0100	0.50		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
22.6	632	Total			

Summary for Subcatchment S205: ISOLATED WETLAND

Runoff = 2.88 cfs @ 12.09 hrs, Volume= 9,111 cf, Depth> 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
7,234	39	>75% Grass cover, Good, HSG A
1,627	30	Woods, Good, HSG A
2,467	74	>75% Grass cover, Good, HSG C
1,830	70	Woods, Good, HSG C
10,692	80	>75% Grass cover, Good, HSG D
14,269	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
46,924	74	Weighted Average
46,924		100.00% Pervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment S206: OVERLAND FLOW

Runoff = 18.40 cfs @ 12.29 hrs, Volume= 88,098 cf, Depth> 1.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
49,064	39	>75% Grass cover, Good, HSG A
111,670	30	Woods, Good, HSG A
31,970	30	Brush, Good, HSG A
17,564	61	>75% Grass cover, Good, HSG B
8,414	55	Woods, Good, HSG B
89,440	74	>75% Grass cover, Good, HSG C
100,462	70	Woods, Good, HSG C
9,272	80	>75% Grass cover, Good, HSG D
121,036	77	Woods, Good, HSG D
114,002	98	Water Surface, 0% imp, HSG D
652,894	65	Weighted Average
652,894		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.9	50	0.2000	0.17		Sheet Flow,
					Woods: Light underbrush n= 0.400 P2= 3.27"
14.3	745	0.0300	0.87		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
19.2	795	Total			

Summary for Subcatchment S207: INFILTRATION POND #2

Runoff = 1.92 cfs @ 12.09 hrs, Volume= 6,069 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
621	39	>75% Grass cover, Good, HSG A
217	98	Water Surface, 0% imp, HSG A
14,212	74	>75% Grass cover, Good, HSG C
8,902	98	Water Surface, 0% imp, HSG C
23,952	82	Weighted Average
23,952		100.00% Pervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment S208:

Runoff = 0.87 cfs @ 12.10 hrs, Volume= 2,758 cf, Depth> 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
661	39	>75% Grass cover, Good, HSG A
14,628	74	>75% Grass cover, Good, HSG C
15,289	72	Weighted Average
15,289		100.00% Pervious Area

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

Summary for Subcatchment S209: WETLAND C

Runoff = 3.21 cfs @ 12.57 hrs, Volume= 20,185 cf, Depth> 2.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
17,078	39	>75% Grass cover, Good, HSG A
10,863	30	Woods, Good, HSG A
15,531	74	>75% Grass cover, Good, HSG C
21,139	70	Woods, Good, HSG C
44,067	98	Water Surface, 0% imp, HSG D
108,678	73	Weighted Average
108,678		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.2	50	0.0050	0.04		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
18.6	557	0.0100	0.50		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
39.8	607	Total			

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment S210: INFILTRATION POND #1

Runoff = 7.24 cfs @ 12.22 hrs, Volume= 30,894 cf, Depth> 3.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,124	39	>75% Grass cover, Good, HSG A
1,222	98	Paved parking, HSG A
637	98	Water Surface, 0% imp, HSG A
61,928	74	>75% Grass cover, Good, HSG C
23,694	98	Paved parking, HSG C
25,355	98	Water Surface, 0% imp, HSG C
114,960	84	Weighted Average
90,044		78.33% Pervious Area
24,916		21.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	50	0.0150	0.13		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
10.3	530	0.0150	0.86		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
16.5	580	Total			

Summary for Subcatchment S211: CUL-DE-SAC POND

Runoff = 1.82 cfs @ 12.31 hrs, Volume= 8,759 cf, Depth> 2.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
6,621	61	>75% Grass cover, Good, HSG B
13,186	55	Woods, Good, HSG B
11,770	74	>75% Grass cover, Good, HSG C
265	70	Woods, Good, HSG C
13,435	98	Water Surface, 0% imp, HSG C
45,277	74	Weighted Average
45,277		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	50	0.0400	0.05		Sheet Flow, Woods: Dense underbrush n= 0.800 P2= 3.27"
0.8	50	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
5.1	428	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
22.0	528	Total			

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Summary for Subcatchment S212: SWALE

Runoff = 1.43 cfs @ 12.26 hrs, Volume= 6,408 cf, Depth> 2.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
8,118	61	>75% Grass cover, Good, HSG B
5,760	55	Woods, Good, HSG B
1,972	74	>75% Grass cover, Good, HSG C
1,769	70	Woods, Good, HSG C
1,463	80	>75% Grass cover, Good, HSG D
11,762	98	Water Surface, 0% imp, HSG D
30,844	76	Weighted Average
30,844		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1	50	0.0050	0.06		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
4.7	100	0.0050	0.35		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.8	150	Total			

Summary for Subcatchment S213: COURTYARD

Runoff = 0.90 cfs @ 12.10 hrs, Volume= 2,976 cf, Depth> 1.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
2,015	39	>75% Grass cover, Good, HSG A
5,689	39	>75% Grass cover, Good, HSG A
6,440	74	>75% Grass cover, Good, HSG C
3,111	98	Paved parking, HSG C
3,861	74	>75% Grass cover, Good, HSG C
858	80	>75% Grass cover, Good, HSG D
21,974	65	Weighted Average
18,863		85.84% Pervious Area
3,111		14.16% Impervious Area

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

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Summary for Subcatchment T1: Trench Drain 1

Runoff = 1.37 cfs @ 12.09 hrs, Volume= 4,528 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,305	74	>75% Grass cover, Good, HSG C
4,068	98	Paved parking, HSG C
3,805	80	>75% Grass cover, Good, HSG D
4,034	98	Paved parking, HSG D
576	98	Roofs, HSG D
13,788	91	Weighted Average
5,110		37.06% Pervious Area
8,678		62.94% Impervious Area

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

Summary for Subcatchment T2: Drive Under B2

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 993 cf, Depth> 2.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
1,582	39	>75% Grass cover, Good, HSG A
2,404	98	Paved parking, HSG A
78	74	>75% Grass cover, Good, HSG C
543	98	Paved parking, HSG C
4,607	77	Weighted Average
1,660		36.03% Pervious Area
2,947		63.97% Impervious Area

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

Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 0.61 cfs @ 12.09 hrs, Volume= 2,080 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH10: TOWN HOUSE #10

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,553 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

Summary for Subcatchment TH11: TOWN HOUSE #11

Runoff = 0.62 cfs @ 12.09 hrs, Volume= 2,134 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
687	74	>75% Grass cover, Good, HSG C
5,851	95	Weighted Average
687		11.74% Pervious Area
5,164		88.26% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment TH2: TOWN HOUSE #2

Runoff = 0.61 cfs @ 12.09 hrs, Volume= 2,080 cf, Depth> 4.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH3: TOWN HOUSE #3

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,249 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,016	98	Roofs, HSG C
407	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
407		11.89% Pervious Area
3,016		88.11% Impervious Area

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

Summary for Subcatchment TH4: TOWN HOUSE #4

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,553 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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Type III 24-hr 10YR Rainfall=4.96"

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

Summary for Subcatchment TH5: TOWN HOUSE #5

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,249 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,017	98	Roofs, HSG C
406	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
406		11.86% Pervious Area
3,017		88.14% Impervious Area

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

Summary for Subcatchment TH6: TOWN HOUSE #6

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,547 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH7: TOWN HOUSE #7

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,547 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

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Type III 24-hr 10YR Rainfall=4.96"

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Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH8: TOWN HOUSE #8

Runoff = 0.62 cfs @ 12.09 hrs, Volume= 2,135 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
688	74	>75% Grass cover, Good, HSG C
5,852	95	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH9: TOWN HOUSE #9

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,553 cf, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10YR Rainfall=4.96"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.77% Impervious, Inflow Depth = 0.90" for 10YR event
Inflow = 0.65 cfs @ 12.21 hrs, Volume= 908 cf
Outflow = 0.02 cfs @ 13.42 hrs, Volume= 433 cf, Atten= 98%, Lag= 72.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 921.3 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 1,073.1 min

Peak Storage= 838 cf @ 13.42 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.12'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 22.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 1,350.0' Slope= 0.0133 '/'
Inlet Invert= 218.00', Outlet Invert= 200.00'



Summary for Reach 2R: OVERLAND FLOW

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth = 0.91" for 10YR event
Inflow = 0.14 cfs @ 12.21 hrs, Volume= 185 cf
Outflow = 0.00 cfs @ 13.36 hrs, Volume= 107 cf, Atten= 97%, Lag= 69.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 802.4 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 802.4 min

Peak Storage= 169 cf @ 13.36 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.04'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 21.45 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 925.0' Slope= 0.0124 '/'
Inlet Invert= 211.50', Outlet Invert= 200.00'



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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,994 sf, 87.37% Impervious, Inflow Depth = 0.86" for 10YR event
Inflow = 0.32 cfs @ 12.23 hrs, Volume= 501 cf
Outflow = 0.03 cfs @ 12.92 hrs, Volume= 448 cf, Atten= 90%, Lag= 41.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.04 fps, Min. Travel Time= 210.3 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 307.4 min

Peak Storage= 401 cf @ 12.92 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 40.21'
Bank-Full Depth= 1.00' Flow Area= 45.0 sf, Capacity= 20.48 cfs

40.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 50.00'
Length= 475.0' Slope= 0.0174 ' '
Inlet Invert= 211.50', Outlet Invert= 203.25'



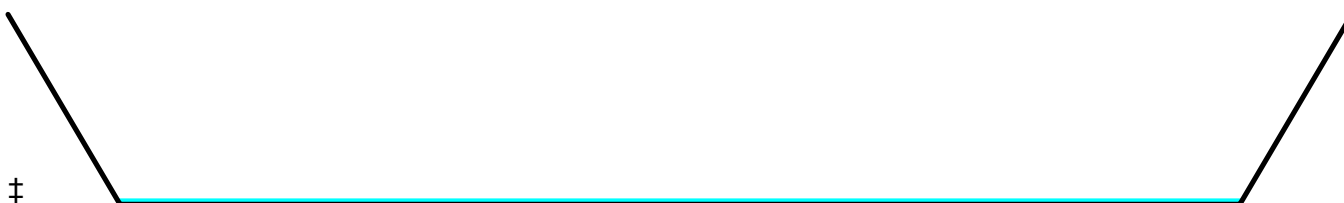
Summary for Reach 4R: OVERLAND FLOW

Inflow Area = 12,678 sf, 88.22% Impervious, Inflow Depth = 0.88" for 10YR event
Inflow = 0.63 cfs @ 12.19 hrs, Volume= 924 cf
Outflow = 0.10 cfs @ 12.67 hrs, Volume= 892 cf, Atten= 84%, Lag= 29.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.06 fps, Min. Travel Time= 114.7 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 206.2 min

Peak Storage= 670 cf @ 12.67 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.31'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.25 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 427.0' Slope= 0.0281 ' '
Inlet Invert= 202.00', Outlet Invert= 190.00'



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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 8,196 sf, 90.65% Impervious, Inflow Depth = 1.36" for 10YR event
Inflow = 0.54 cfs @ 12.18 hrs, Volume= 930 cf
Outflow = 0.05 cfs @ 12.94 hrs, Volume= 797 cf, Atten= 91%, Lag= 45.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.05 fps, Min. Travel Time= 249.4 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 354.7 min

Peak Storage= 726 cf @ 12.94 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.21'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.07 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 690.0' Slope= 0.0261 ' '
Inlet Invert= 204.00', Outlet Invert= 186.00'



Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 7,824 sf, 88.19% Impervious, Inflow Depth = 1.16" for 10YR event
Inflow = 0.51 cfs @ 12.18 hrs, Volume= 759 cf
Outflow = 0.05 cfs @ 12.82 hrs, Volume= 689 cf, Atten= 90%, Lag= 38.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.05 fps, Min. Travel Time= 202.6 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 291.9 min

Peak Storage= 602 cf @ 12.82 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.20'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 33.60 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 590.0' Slope= 0.0305 ' '
Inlet Invert= 204.00', Outlet Invert= 186.00'



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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 16,679 sf, 87.99% Impervious, Inflow Depth = 0.44" for 10YR event
Inflow = 0.41 cfs @ 12.25 hrs, Volume= 606 cf
Outflow = 0.10 cfs @ 12.62 hrs, Volume= 598 cf, Atten= 76%, Lag= 21.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.09 fps, Min. Travel Time= 71.5 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 155.6 min

Peak Storage= 420 cf @ 12.62 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 25.44'
Bank-Full Depth= 1.00' Flow Area= 30.0 sf, Capacity= 19.23 cfs

25.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 35.00'
Length= 380.0' Slope= 0.0368 '/'
Inlet Invert= 200.00', Outlet Invert= 186.00'



Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 19,585 sf, 88.78% Impervious, Inflow Depth = 1.57" for 10YR event
Inflow = 1.73 cfs @ 12.13 hrs, Volume= 2,555 cf
Outflow = 0.66 cfs @ 12.39 hrs, Volume= 2,549 cf, Atten= 62%, Lag= 15.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.13 fps, Min. Travel Time= 33.1 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 107.9 min

Peak Storage= 1,306 cf @ 12.39 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 51.03'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 29.80 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 250.0' Slope= 0.0240 '/'
Inlet Invert= 202.00', Outlet Invert= 196.00'



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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Reach 13R: OVERLAND FLOW

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth = 1.50" for 10YR event
Inflow = 0.46 cfs @ 12.15 hrs, Volume= 731 cf
Outflow = 0.03 cfs @ 12.94 hrs, Volume= 575 cf, Atten= 93%, Lag= 47.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 336.0 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 454.4 min

Peak Storage= 616 cf @ 12.94 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.19'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 23.68 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 660.0' Slope= 0.0152 '/'
Inlet Invert= 206.00', Outlet Invert= 196.00'



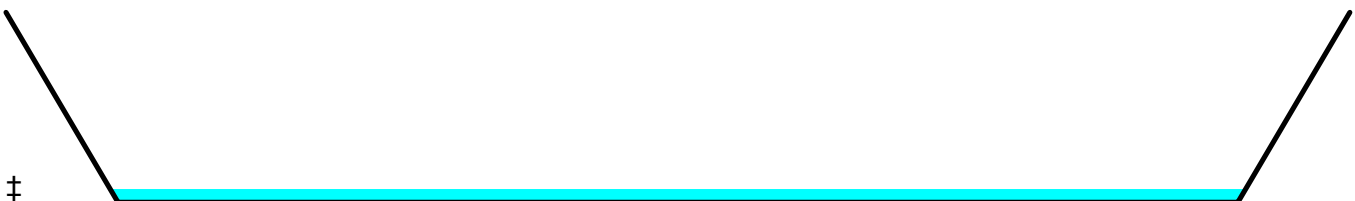
Summary for Reach 14R: OVERLAND FLOW

Inflow Area = 39,453 sf, 18.93% Impervious, Inflow Depth > 2.11" for 10YR event
Inflow = 1.74 cfs @ 12.27 hrs, Volume= 6,939 cf
Outflow = 0.35 cfs @ 12.92 hrs, Volume= 6,012 cf, Atten= 80%, Lag= 39.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.10 fps, Min. Travel Time= 156.5 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 271.7 min

Peak Storage= 3,299 cf @ 12.92 hrs
Average Depth at Peak Storage= 0.07' , Surface Width= 50.70'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.74 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 940.0' Slope= 0.0255 '/'
Inlet Invert= 210.00', Outlet Invert= 186.00'



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Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 2.44" for 10YR event
Inflow = 2.58 cfs @ 12.46 hrs, Volume= 22,590 cf
Outflow = 2.07 cfs @ 12.89 hrs, Volume= 21,994 cf, Atten= 20%, Lag= 25.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.19 fps, Min. Travel Time= 26.7 min
Avg. Velocity = 0.10 fps, Avg. Travel Time= 52.0 min

Peak Storage= 3,324 cf @ 12.89 hrs
Average Depth at Peak Storage= 0.22' , Surface Width= 52.17'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 27.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 300.0' Slope= 0.0200 ' / '
Inlet Invert= 202.00', Outlet Invert= 196.00'



Summary for Reach 16R: OVERLAND FLOW

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth = 1.68" for 10YR event
Inflow = 0.27 cfs @ 12.15 hrs, Volume= 465 cf
Outflow = 0.01 cfs @ 13.46 hrs, Volume= 286 cf, Atten= 97%, Lag= 78.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 734.1 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 734.1 min

Peak Storage= 405 cf @ 13.46 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.07'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.42 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 1,200.0' Slope= 0.0250 ' / '
Inlet Invert= 216.00', Outlet Invert= 186.00'



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Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 1.18" for 10YR event
Inflow = 0.74 cfs @ 15.81 hrs, Volume= 29,818 cf
Outflow = 0.74 cfs @ 15.93 hrs, Volume= 29,325 cf, Atten= 0%, Lag= 7.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.16 fps, Min. Travel Time= 12.2 min
Avg. Velocity = 0.16 fps, Avg. Travel Time= 12.8 min

Peak Storage= 541 cf @ 15.93 hrs
Average Depth at Peak Storage= 0.09' , Surface Width= 51.77'
Bank-Full Depth= 1.00' Flow Area= 60.0 sf, Capacity= 44.93 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 10.0 ' / ' Top Width= 70.00'
Length= 120.0' Slope= 0.0500 ' / '
Inlet Invert= 192.00', Outlet Invert= 186.00'



Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth = 0.16" for 10YR event
Inflow = 0.05 cfs @ 15.41 hrs, Volume= 513 cf
Outflow = 0.01 cfs @ 17.98 hrs, Volume= 308 cf, Atten= 73%, Lag= 154.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 440.0 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 517.8 min

Peak Storage= 367 cf @ 17.98 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.13'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 18.54 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 560.0' Slope= 0.0093 ' / '
Inlet Invert= 200.00', Outlet Invert= 194.80'



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Summary for Reach 21R: TRENCH DRAIN

[52] Hint: Inlet/Outlet conditions not evaluated

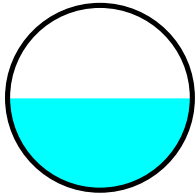
[90] Warning: Qout>Qin may require smaller dt or Finer Routing

Inflow Area = 13,788 sf, 62.94% Impervious, Inflow Depth > 3.94" for 10YR event
Inflow = 1.37 cfs @ 12.09 hrs, Volume= 4,528 cf
Outflow = 1.37 cfs @ 12.09 hrs, Volume= 4,527 cf, Atten= 0%, Lag= 0.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 3.52 fps, Min. Travel Time= 0.3 min
Avg. Velocity= 1.20 fps, Avg. Travel Time= 0.9 min

Peak Storage= 26 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.50' , Surface Width= 1.00'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.78 cfs

12.0" Round Pipe
n= 0.012 Corrugated PP, smooth interior
Length= 65.7' Slope= 0.0052 '/
Inlet Invert= 197.34', Outlet Invert= 197.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 0.89" for 10YR event
Inflow = 3.02 cfs @ 12.79 hrs, Volume= 31,555 cf
Outflow = 2.65 cfs @ 13.07 hrs, Volume= 31,024 cf, Atten= 12%, Lag= 17.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.14 fps, Min. Travel Time= 21.6 min
Avg. Velocity= 0.07 fps, Avg. Travel Time= 44.6 min

Peak Storage= 3,430 cf @ 13.07 hrs
Average Depth at Peak Storage= 0.34' , Surface Width= 63.44'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 18.32 cfs

50.00' x 1.00' deep channel, n= 0.800 Sheet flow: Woods+dense brush (invasives)
Side Slope Z-value= 20.0 '/ Top Width= 90.00'
Length= 180.0' Slope= 0.0278 '/
Inlet Invert= 193.00', Outlet Invert= 188.00'

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Summary for Reach R202: OVERLAND FLOW

Inflow Area = 398,747 sf, 3.53% Impervious, Inflow Depth > 2.58" for 10YR event
Inflow = 18.11 cfs @ 12.30 hrs, Volume= 85,680 cf
Outflow = 8.10 cfs @ 12.70 hrs, Volume= 81,063 cf, Atten= 55%, Lag= 24.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.20 fps, Min. Travel Time= 59.4 min
Avg. Velocity = 0.09 fps, Avg. Travel Time= 136.3 min

Peak Storage= 28,904 cf @ 12.70 hrs
Average Depth at Peak Storage= 0.38' , Surface Width= 118.87'
Bank-Full Depth= 1.00' Flow Area= 125.0 sf, Capacity= 43.95 cfs

100.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 25.0 ' / ' Top Width= 150.00'
Length= 700.0' Slope= 0.0114 ' / '
Inlet Invert= 206.00', Outlet Invert= 198.00'



Summary for Reach R211: OVERLAND FLOW

Inflow Area = 273,385 sf, 52.58% Impervious, Inflow Depth = 0.48" for 10YR event
Inflow = 1.91 cfs @ 12.71 hrs, Volume= 10,886 cf
Outflow = 0.92 cfs @ 13.84 hrs, Volume= 10,408 cf, Atten= 52%, Lag= 68.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.10 fps, Min. Travel Time= 98.3 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 194.4 min

Peak Storage= 5,440 cf @ 13.84 hrs
Average Depth at Peak Storage= 0.17' , Surface Width= 56.79'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 20.47 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 20.0 ' / ' Top Width= 90.00'
Length= 600.0' Slope= 0.0087 ' / '
Inlet Invert= 200.00', Outlet Invert= 194.80'

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**Summary for Pond 19R: DRIVEWAY D CROSS PIPE**

[62] Hint: Exceeded Reach 20R OUTLET depth by 0.06' @ 12.80 hrs

[61] Hint: Exceeded Reach R211 outlet invert by 0.06' @ 12.80 hrs

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 0.90" for 10YR event
 Inflow = 3.38 cfs @ 12.59 hrs, Volume= 31,894 cf
 Outflow = 3.02 cfs @ 12.79 hrs, Volume= 31,555 cf, Atten= 11%, Lag= 11.7 min
 Primary = 3.02 cfs @ 12.79 hrs, Volume= 31,555 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 194.86' @ 12.79 hrs Surf.Area= 4,526 sf Storage= 2,725 cf

Plug-Flow detention time= 21.2 min calculated for 31,489 cf (99% of inflow)
 Center-of-Mass det. time= 15.5 min (897.2 - 881.7)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	35,460 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	1,800	0	0
196.00	8,130	9,930	9,930
198.00	17,400	25,530	35,460

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	24.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.02 cfs @ 12.79 hrs HW=194.86' TW=193.30' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 3.02 cfs @ 3.44 fps)

Summary for Pond CB1: CB#1

Inflow Area = 27,330 sf, 31.14% Impervious, Inflow Depth > 2.16" for 10YR event
 Inflow = 1.15 cfs @ 12.23 hrs, Volume= 4,919 cf
 Outflow = 1.15 cfs @ 12.23 hrs, Volume= 4,919 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.15 cfs @ 12.23 hrs, Volume= 4,919 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.51' @ 12.23 hrs
 Flood Elev= 211.00'

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Device	Routing	Invert	Outlet Devices
#1	Primary	207.83'	12.0" Round Culvert L= 14.1' Ke= 0.500 Inlet / Outlet Invert= 207.83' / 207.76' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.14 cfs @ 12.23 hrs HW=208.51' TW=207.44' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.14 cfs @ 2.83 fps)**Summary for Pond CB10: CB #10**

Inflow Area = 9,925 sf, 94.45% Impervious, Inflow Depth > 4.60" for 10YR event
 Inflow = 1.07 cfs @ 12.09 hrs, Volume= 3,808 cf
 Outflow = 1.07 cfs @ 12.09 hrs, Volume= 3,808 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.07 cfs @ 12.09 hrs, Volume= 3,808 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.44' @ 12.09 hrs

Flood Elev= 212.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.76'	12.0" Round Culvert L= 33.8' Ke= 0.500 Inlet / Outlet Invert= 209.76' / 209.59' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.04 cfs @ 12.09 hrs HW=210.43' TW=210.15' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.04 cfs @ 2.64 fps)**Summary for Pond CB11: CB #11**

Inflow Area = 14,065 sf, 48.61% Impervious, Inflow Depth > 3.43" for 10YR event
 Inflow = 1.25 cfs @ 12.09 hrs, Volume= 4,017 cf
 Outflow = 1.25 cfs @ 12.09 hrs, Volume= 4,017 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.25 cfs @ 12.09 hrs, Volume= 4,017 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.58' @ 12.09 hrs

Flood Elev= 213.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.94'	12.0" Round Culvert L= 26.3' Ke= 0.500 Inlet / Outlet Invert= 209.94' / 209.67' S= 0.0103 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.23 cfs @ 12.09 hrs HW=210.57' TW=210.15' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.23 cfs @ 3.36 fps)

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Summary for Pond CB12: CB #12

Inflow Area = 9,598 sf, 47.53% Impervious, Inflow Depth > 3.33" for 10YR event
 Inflow = 0.83 cfs @ 12.09 hrs, Volume= 2,662 cf
 Outflow = 0.83 cfs @ 12.09 hrs, Volume= 2,662 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.83 cfs @ 12.09 hrs, Volume= 2,662 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.26' @ 12.09 hrs

Flood Elev= 212.86'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.82 cfs @ 12.09 hrs HW=210.25' TW=207.10' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.82 cfs @ 2.59 fps)**Summary for Pond CB13: CB #13**

Inflow Area = 7,833 sf, 70.99% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.78 cfs @ 12.09 hrs, Volume= 2,572 cf
 Outflow = 0.78 cfs @ 12.09 hrs, Volume= 2,572 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.78 cfs @ 12.09 hrs, Volume= 2,572 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.24' @ 12.09 hrs

Flood Elev= 212.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0048 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.76 cfs @ 12.09 hrs HW=210.23' TW=207.10' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.76 cfs @ 2.54 fps)**Summary for Pond CB14: CB #14**

Inflow Area = 12,504 sf, 71.98% Impervious, Inflow Depth > 3.14" for 10YR event
 Inflow = 1.03 cfs @ 12.09 hrs, Volume= 3,267 cf
 Outflow = 1.03 cfs @ 12.09 hrs, Volume= 3,267 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.03 cfs @ 12.09 hrs, Volume= 3,267 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.56' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 23.2' Ke= 0.500

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Inlet / Outlet Invert= 200.79' / 200.67' S= 0.0052 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.01 cfs @ 12.09 hrs HW=201.55' TW=201.39' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.01 cfs @ 2.18 fps)

Summary for Pond CB15: CB #15

Inflow Area = 4,895 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.53 cfs @ 12.09 hrs, Volume= 1,926 cf
 Outflow = 0.53 cfs @ 12.09 hrs, Volume= 1,926 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.53 cfs @ 12.09 hrs, Volume= 1,926 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.46' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 200.79' / 200.71' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.52 cfs @ 12.09 hrs HW=201.44' TW=201.38' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.52 cfs @ 1.36 fps)

Summary for Pond CB16: CB #16

Inflow Area = 8,326 sf, 65.96% Impervious, Inflow Depth > 2.86" for 10YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 1,981 cf
 Outflow = 0.63 cfs @ 12.09 hrs, Volume= 1,981 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.63 cfs @ 12.09 hrs, Volume= 1,981 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.93' @ 12.09 hrs

Flood Elev= 206.64'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.47'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 203.47' / 203.33' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=203.93' TW=203.20' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.62 cfs @ 2.59 fps)

Summary for Pond CB17: CB #17

Inflow Area = 11,309 sf, 74.12% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 1.14 cfs @ 12.09 hrs, Volume= 3,814 cf
 Outflow = 1.14 cfs @ 12.09 hrs, Volume= 3,814 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.14 cfs @ 12.09 hrs, Volume= 3,814 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.89' @ 12.09 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.12'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 205.12' / 205.04' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.12 cfs @ 12.09 hrs HW=205.88' TW=205.70' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.12 cfs @ 2.42 fps)**Summary for Pond CB18: CB #18**

Inflow Area = 24,411 sf, 56.09% Impervious, Inflow Depth > 3.00" for 10YR event
 Inflow = 1.98 cfs @ 12.10 hrs, Volume= 6,110 cf
 Outflow = 1.98 cfs @ 12.10 hrs, Volume= 6,110 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.98 cfs @ 12.10 hrs, Volume= 6,110 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.05' @ 12.10 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	12.0" Round Culvert L= 16.2' Ke= 0.500 Inlet / Outlet Invert= 205.10' / 205.02' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.95 cfs @ 12.10 hrs HW=206.05' TW=205.71' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.95 cfs @ 3.27 fps)**Summary for Pond CB19: CB #19**

Inflow Area = 21,974 sf, 14.16% Impervious, Inflow Depth > 1.63" for 10YR event
 Inflow = 0.90 cfs @ 12.10 hrs, Volume= 2,976 cf
 Outflow = 0.90 cfs @ 12.10 hrs, Volume= 2,976 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.90 cfs @ 12.10 hrs, Volume= 2,976 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.82' @ 12.10 hrs

Flood Elev= 207.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.25'	12.0" Round Culvert L= 61.0' Ke= 0.500 Inlet / Outlet Invert= 203.25' / 202.94' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.90 cfs @ 12.10 hrs HW=203.82' TW=203.23' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.90 cfs @ 2.80 fps)

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Summary for Pond CB2: CB#2

Inflow Area = 18,869 sf, 73.64% Impervious, Inflow Depth > 3.83" for 10YR event
 Inflow = 1.84 cfs @ 12.09 hrs, Volume= 6,030 cf
 Outflow = 1.84 cfs @ 12.09 hrs, Volume= 6,030 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.84 cfs @ 12.09 hrs, Volume= 6,030 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.74' @ 12.09 hrs

Flood Elev= 208.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.86'	12.0" Round Culvert L= 92.1' Ke= 0.500 Inlet / Outlet Invert= 204.86' / 204.40' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.79 cfs @ 12.09 hrs HW=205.72' TW=204.43' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 1.79 cfs @ 3.34 fps)**Summary for Pond CB20: CB #20**

Inflow Area = 15,474 sf, 80.34% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 1.59 cfs @ 12.09 hrs, Volume= 5,359 cf
 Outflow = 1.59 cfs @ 12.09 hrs, Volume= 5,359 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.59 cfs @ 12.09 hrs, Volume= 5,359 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.82' @ 12.09 hrs

Flood Elev= 207.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.97'	12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 203.97' / 203.81' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.56 cfs @ 12.09 hrs HW=204.80' TW=204.46' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 1.56 cfs @ 3.05 fps)**Summary for Pond CB21: CB #21**

Inflow Area = 11,800 sf, 93.49% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 1.23 cfs @ 12.09 hrs, Volume= 4,195 cf
 Outflow = 1.23 cfs @ 12.09 hrs, Volume= 4,195 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.23 cfs @ 12.09 hrs, Volume= 4,195 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.02' @ 12.09 hrs

Flood Elev= 208.02'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.32'	12.0" Round Culvert L= 26.0' Ke= 0.500

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Inlet / Outlet Invert= 204.32' / 204.19' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.20 cfs @ 12.09 hrs HW=205.01' TW=204.46' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.20 cfs @ 2.92 fps)

Summary for Pond CB22: CB #22

Inflow Area = 9,287 sf, 87.71% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.99 cfs @ 12.09 hrs, Volume= 3,475 cf
 Outflow = 0.99 cfs @ 12.09 hrs, Volume= 3,475 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.99 cfs @ 12.09 hrs, Volume= 3,475 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.95' @ 12.09 hrs

Flood Elev= 208.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.33'	12.0" Round Culvert L= 16.1' Ke= 0.500 Inlet / Outlet Invert= 205.33' / 205.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.97 cfs @ 12.09 hrs HW=205.94' TW=205.15' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.97 cfs @ 2.76 fps)

Summary for Pond CB23: CB #23

Inflow Area = 3,194 sf, 63.15% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,049 cf
 Outflow = 0.32 cfs @ 12.09 hrs, Volume= 1,049 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.32 cfs @ 12.09 hrs, Volume= 1,049 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.74' @ 12.09 hrs

Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.41'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 205.41' / 205.32' S= 0.0055 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.31 cfs @ 12.09 hrs HW=205.73' TW=205.15' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.31 cfs @ 2.13 fps)

Summary for Pond CB24: CB #24

Inflow Area = 2,843 sf, 88.46% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.30 cfs @ 12.09 hrs, Volume= 1,064 cf
 Outflow = 0.30 cfs @ 12.09 hrs, Volume= 1,064 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.30 cfs @ 12.09 hrs, Volume= 1,064 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.64' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 205.21' / 205.15' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.30 cfs @ 12.09 hrs HW=205.63' TW=205.58' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.30 cfs @ 1.38 fps)**Summary for Pond CB25: CB #25**

Inflow Area = 8,812 sf, 96.03% Impervious, Inflow Depth > 4.60" for 10YR event
 Inflow = 0.95 cfs @ 12.09 hrs, Volume= 3,381 cf
 Outflow = 0.95 cfs @ 12.09 hrs, Volume= 3,381 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.95 cfs @ 12.09 hrs, Volume= 3,381 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.83' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.22'	12.0" Round Culvert L= 11.4' Ke= 0.500 Inlet / Outlet Invert= 205.22' / 205.16' S= 0.0053 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.93 cfs @ 12.09 hrs HW=205.82' TW=205.57' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.93 cfs @ 2.71 fps)**Summary for Pond CB26: CB #26**

Inflow Area = 12,787 sf, 75.08% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 1.33 cfs @ 12.09 hrs, Volume= 4,545 cf
 Outflow = 1.33 cfs @ 12.09 hrs, Volume= 4,545 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.33 cfs @ 12.09 hrs, Volume= 4,545 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.49' @ 12.09 hrs

Flood Elev= 204.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.77'	12.0" Round Culvert L= 42.5' Ke= 0.500 Inlet / Outlet Invert= 201.77' / 201.55' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.30 cfs @ 12.09 hrs HW=202.48' TW=201.40' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.30 cfs @ 3.05 fps)

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Summary for Pond CB27: CB #27

Inflow Area = 8,906 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.97 cfs @ 12.09 hrs, Volume= 3,503 cf
 Outflow = 0.97 cfs @ 12.09 hrs, Volume= 3,503 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.97 cfs @ 12.09 hrs, Volume= 3,503 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.64' @ 12.09 hrs

Flood Elev= 204.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.00'	12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 201.00' / 200.90' S= 0.0056 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.94 cfs @ 12.09 hrs HW=201.62' TW=201.40' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.94 cfs @ 2.61 fps)**Summary for Pond CB28: CB #28**

Inflow Area = 10,173 sf, 52.35% Impervious, Inflow Depth > 3.63" for 10YR event
 Inflow = 0.95 cfs @ 12.09 hrs, Volume= 3,076 cf
 Outflow = 0.95 cfs @ 12.09 hrs, Volume= 3,076 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.95 cfs @ 12.09 hrs, Volume= 3,076 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 198.64' @ 12.09 hrs

Flood Elev= 200.92'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.75'	12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 197.75' / 197.69' S= 0.0044 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.93 cfs @ 12.09 hrs HW=198.62' TW=198.53' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.93 cfs @ 1.71 fps)**Summary for Pond CB29: CB #29**

Inflow Area = 6,042 sf, 80.24% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 0.62 cfs @ 12.09 hrs, Volume= 2,092 cf
 Outflow = 0.62 cfs @ 12.09 hrs, Volume= 2,092 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.62 cfs @ 12.09 hrs, Volume= 2,092 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.05' @ 12.09 hrs

Flood Elev= 208.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 13.5' Ke= 0.500

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Inlet / Outlet Invert= 205.38' / 205.31' S= 0.0052 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.09 hrs HW=206.03' TW=205.96' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.61 cfs @ 1.58 fps)

Summary for Pond CB3: CB#3

Inflow Area = 16,074 sf, 74.25% Impervious, Inflow Depth > 3.63" for 10YR event
 Inflow = 1.50 cfs @ 12.09 hrs, Volume= 4,860 cf
 Outflow = 1.50 cfs @ 12.09 hrs, Volume= 4,860 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.50 cfs @ 12.09 hrs, Volume= 4,860 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.60' @ 12.09 hrs

Flood Elev= 210.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	12.0" Round Culvert L= 10.2' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.74' S= 0.0059 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.47 cfs @ 12.09 hrs HW=208.59' TW=207.41' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.47 cfs @ 3.04 fps)

Summary for Pond CB30: CB #30

Inflow Area = 11,846 sf, 63.21% Impervious, Inflow Depth > 3.73" for 10YR event
 Inflow = 1.13 cfs @ 12.09 hrs, Volume= 3,683 cf
 Outflow = 1.13 cfs @ 12.09 hrs, Volume= 3,683 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.13 cfs @ 12.09 hrs, Volume= 3,683 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.15' @ 12.09 hrs

Flood Elev= 208.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 205.38' / 205.29' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.10 cfs @ 12.09 hrs HW=206.14' TW=205.96' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.10 cfs @ 2.39 fps)

Summary for Pond CB31: CB #31

Inflow Area = 13,042 sf, 58.40% Impervious, Inflow Depth > 3.63" for 10YR event
 Inflow = 1.22 cfs @ 12.09 hrs, Volume= 3,943 cf
 Outflow = 1.22 cfs @ 12.09 hrs, Volume= 3,943 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.22 cfs @ 12.09 hrs, Volume= 3,943 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.90' @ 12.09 hrs

Flood Elev= 207.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.4' Ke= 0.500 Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 ' S= 0.0049 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.19 cfs @ 12.09 hrs HW=204.89' TW=204.27' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.19 cfs @ 2.86 fps)**Summary for Pond CB32: CB #32**

Inflow Area = 10,868 sf, 65.38% Impervious, Inflow Depth > 3.83" for 10YR event
 Inflow = 1.06 cfs @ 12.09 hrs, Volume= 3,473 cf
 Outflow = 1.06 cfs @ 12.09 hrs, Volume= 3,473 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.06 cfs @ 12.09 hrs, Volume= 3,473 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.84' @ 12.09 hrs

Flood Elev= 207.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 ' S= 0.0049 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.03 cfs @ 12.09 hrs HW=204.83' TW=204.27' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.03 cfs @ 2.76 fps)**Summary for Pond CB33: CB #33**

Inflow Area = 4,342 sf, 79.50% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,504 cf
 Outflow = 0.45 cfs @ 12.09 hrs, Volume= 1,504 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.45 cfs @ 12.09 hrs, Volume= 1,504 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.75' @ 12.09 hrs

Flood Elev= 208.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.28'	12.0" Round Culvert L= 11.7' Ke= 0.500 Inlet / Outlet Invert= 205.28' / 205.22' S= 0.0051 ' S= 0.0051 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.44 cfs @ 12.09 hrs HW=205.74' TW=205.63' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.44 cfs @ 1.83 fps)

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Summary for Pond CB34: CB #34

Inflow Area = 5,967 sf, 75.68% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 0.60 cfs @ 12.09 hrs, Volume= 2,013 cf
 Outflow = 0.60 cfs @ 12.09 hrs, Volume= 2,013 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.60 cfs @ 12.09 hrs, Volume= 2,013 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.77' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 205.21' / 205.13' S= 0.0048 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.59 cfs @ 12.09 hrs HW=205.76' TW=205.63' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 0.59 cfs @ 1.94 fps)**Summary for Pond CB35: CB #35**

Inflow Area = 2,891 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,137 cf
 Outflow = 0.31 cfs @ 12.09 hrs, Volume= 1,137 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.31 cfs @ 12.09 hrs, Volume= 1,137 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.37' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 15.2' Ke= 0.500 Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.31 cfs @ 12.09 hrs HW=207.37' TW=207.20' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 0.31 cfs @ 2.04 fps)**Summary for Pond CB36: CB #36**

Inflow Area = 6,229 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.68 cfs @ 12.09 hrs, Volume= 2,450 cf
 Outflow = 0.68 cfs @ 12.09 hrs, Volume= 2,450 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.68 cfs @ 12.09 hrs, Volume= 2,450 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.55' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 16.1' Ke= 0.500

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Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.66 cfs @ 12.09 hrs HW=207.54' TW=207.20' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.66 cfs @ 2.47 fps)

Summary for Pond CB37: CB #37

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 4.60" for 10YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 457 cf
 Outflow = 0.13 cfs @ 12.09 hrs, Volume= 457 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.13 cfs @ 12.09 hrs, Volume= 457 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.25' @ 12.09 hrs

Flood Elev= 212.66'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.07'	12.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 209.07' / 208.31' S= 0.0098 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.09 hrs HW=209.24' TW=208.39' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.13 cfs @ 2.06 fps)

Summary for Pond CB38: CB #38

Inflow Area = 21,247 sf, 76.54% Impervious, Inflow Depth > 3.73" for 10YR event
 Inflow = 2.03 cfs @ 12.09 hrs, Volume= 6,606 cf
 Outflow = 2.03 cfs @ 12.09 hrs, Volume= 6,606 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.03 cfs @ 12.09 hrs, Volume= 6,606 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.64' @ 12.09 hrs

Flood Elev= 212.94'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.77'	12.0" Round Culvert L= 22.4' Ke= 0.500 Inlet / Outlet Invert= 209.77' / 209.56' S= 0.0094 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.98 cfs @ 12.09 hrs HW=210.63' TW=209.14' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.98 cfs @ 3.70 fps)

Summary for Pond CB39: CB #39

Inflow Area = 7,773 sf, 98.44% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.85 cfs @ 12.09 hrs, Volume= 3,058 cf
 Outflow = 0.85 cfs @ 12.09 hrs, Volume= 3,058 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.85 cfs @ 12.09 hrs, Volume= 3,058 cf

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Peak Elev= 210.29' @ 12.09 hrs

Flood Elev= 212.88'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.72'	12.0" Round Culvert L= 17.3' Ke= 0.500 Inlet / Outlet Invert= 209.72' / 209.63' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.82 cfs @ 12.09 hrs HW=210.28' TW=209.14' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.82 cfs @ 2.63 fps)**Summary for Pond CB4: CB#4**

Inflow Area = 43,215 sf, 22.90% Impervious, Inflow Depth > 1.92" for 10YR event
 Inflow = 1.43 cfs @ 12.31 hrs, Volume= 6,910 cf
 Outflow = 1.43 cfs @ 12.31 hrs, Volume= 6,910 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.43 cfs @ 12.31 hrs, Volume= 6,910 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.72' @ 12.31 hrs

Flood Elev= 215.19'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.02'	15.0" Round Culvert L= 13.1' Ke= 0.500 Inlet / Outlet Invert= 212.02' / 211.96' S= 0.0046 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.42 cfs @ 12.31 hrs HW=212.72' TW=211.92' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.42 cfs @ 2.90 fps)**Summary for Pond CB40: CB #40**

Inflow Area = 4,552 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.50 cfs @ 12.09 hrs, Volume= 1,791 cf
 Outflow = 0.50 cfs @ 12.09 hrs, Volume= 1,791 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.50 cfs @ 12.09 hrs, Volume= 1,791 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.31' @ 12.09 hrs

Flood Elev= 216.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.68'	12.0" Round Culvert L= 26.7' Ke= 0.500 Inlet / Outlet Invert= 213.68' / 213.55' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.48 cfs @ 12.09 hrs HW=214.30' TW=214.23' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.48 cfs @ 1.35 fps)

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Summary for Pond CB41: CB #41

Inflow Area = 12,750 sf, 69.28% Impervious, Inflow Depth > 3.53" for 10YR event
 Inflow = 1.16 cfs @ 12.09 hrs, Volume= 3,747 cf
 Outflow = 1.16 cfs @ 12.09 hrs, Volume= 3,747 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.16 cfs @ 12.09 hrs, Volume= 3,747 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.58' @ 12.09 hrs

Flood Elev= 217.06'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.89'	12.0" Round Culvert L= 18.4' Ke= 0.500 Inlet / Outlet Invert= 213.89' / 213.80' S= 0.0049 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.14 cfs @ 12.09 hrs HW=214.57' TW=214.23' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.14 cfs @ 2.84 fps)**Summary for Pond CB42: CB #42**

Inflow Area = 11,269 sf, 36.46% Impervious, Inflow Depth > 2.33" for 10YR event
 Inflow = 0.69 cfs @ 12.09 hrs, Volume= 2,188 cf
 Outflow = 0.69 cfs @ 12.09 hrs, Volume= 2,188 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.69 cfs @ 12.09 hrs, Volume= 2,188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.36' @ 12.09 hrs

Flood Elev= 221.08'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.91'	12.0" Round Culvert L= 58.1' Ke= 0.500 Inlet / Outlet Invert= 217.91' / 217.47' S= 0.0076 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.09 hrs HW=218.36' TW=217.74' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.68 cfs @ 2.92 fps)**Summary for Pond CB43: CB #43**

Inflow Area = 4,084 sf, 81.61% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.41 cfs @ 12.09 hrs, Volume= 1,341 cf
 Outflow = 0.41 cfs @ 12.09 hrs, Volume= 1,341 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.41 cfs @ 12.09 hrs, Volume= 1,341 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.44' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500

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Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=220.44' TW=220.33' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.40 cfs @ 1.77 fps)

Summary for Pond CB44: CB #44

Inflow Area = 1,662 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 654 cf
 Outflow = 0.18 cfs @ 12.09 hrs, Volume= 654 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.18 cfs @ 12.09 hrs, Volume= 654 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.37' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500 Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.18 cfs @ 12.09 hrs HW=220.37' TW=220.33' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.18 cfs @ 1.01 fps)

Summary for Pond CB45: CB #45

Inflow Area = 2,109 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 830 cf
 Outflow = 0.23 cfs @ 12.09 hrs, Volume= 830 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.23 cfs @ 12.09 hrs, Volume= 830 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.57' @ 12.09 hrs

Flood Elev= 224.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.29'	12.0" Round Culvert L= 18.2' Ke= 0.500 Inlet / Outlet Invert= 221.29' / 221.20' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.09 hrs HW=221.57' TW=221.27' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.22 cfs @ 1.87 fps)

Summary for Pond CB46: CB #46

Inflow Area = 1,371 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 539 cf
 Outflow = 0.15 cfs @ 12.09 hrs, Volume= 539 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.15 cfs @ 12.09 hrs, Volume= 539 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.76' @ 12.09 hrs

Flood Elev= 224.69'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.53'	12.0" Round Culvert L= 15.3' Ke= 0.500 Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0052 ' / S= 0.0052 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.15 cfs @ 12.09 hrs HW=221.75' TW=221.27' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.15 cfs @ 1.68 fps)**Summary for Pond CB47: CB#47**

Inflow Area = 3,004 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,182 cf
 Outflow = 0.33 cfs @ 12.09 hrs, Volume= 1,182 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.33 cfs @ 12.09 hrs, Volume= 1,182 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 225.33' @ 12.09 hrs

Flood Elev= 228.22'

Device	Routing	Invert	Outlet Devices
#1	Primary	225.05'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 225.05' / 224.27' S= 0.0373 ' / S= 0.0373 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.32 cfs @ 12.09 hrs HW=225.33' TW=224.69' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.32 cfs @ 1.79 fps)**Summary for Pond CB48: CB#48**

Inflow Area = 60,065 sf, 25.95% Impervious, Inflow Depth > 2.00" for 10YR event
 Inflow = 2.61 cfs @ 12.17 hrs, Volume= 10,020 cf
 Outflow = 2.61 cfs @ 12.17 hrs, Volume= 10,020 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.61 cfs @ 12.17 hrs, Volume= 10,020 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 225.31' @ 12.17 hrs

Flood Elev= 228.28'

Device	Routing	Invert	Outlet Devices
#1	Primary	224.47'	15.0" Round Culvert L= 16.9' Ke= 0.500 Inlet / Outlet Invert= 224.47' / 224.00' S= 0.0278 ' / S= 0.0278 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.55 cfs @ 12.17 hrs HW=225.29' TW=224.79' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 2.55 cfs @ 4.21 fps)

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Summary for Pond CB49: CB#49

Inflow Area = 1,659 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 653 cf
 Outflow = 0.18 cfs @ 12.09 hrs, Volume= 653 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.18 cfs @ 12.09 hrs, Volume= 653 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 216.51' @ 12.09 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	216.30'	12.0" Round Culvert L= 15.4' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.06' S= 0.0156 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.18 cfs @ 12.09 hrs HW=216.50' TW=215.20' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.18 cfs @ 1.53 fps)**Summary for Pond CB5: CB#5**

Inflow Area = 1,456 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 573 cf
 Outflow = 0.16 cfs @ 12.09 hrs, Volume= 573 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.16 cfs @ 12.09 hrs, Volume= 573 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.34' @ 12.09 hrs

Flood Elev= 215.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.11'	12.0" Round Culvert L= 30.5' Ke= 0.500 Inlet / Outlet Invert= 212.11' / 211.96' S= 0.0049 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.15 cfs @ 12.09 hrs HW=212.33' TW=211.91' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.15 cfs @ 1.78 fps)**Summary for Pond CB50: CB#50**

Inflow Area = 6,448 sf, 27.62% Impervious, Inflow Depth > 2.08" for 10YR event
 Inflow = 0.35 cfs @ 12.10 hrs, Volume= 1,120 cf
 Outflow = 0.35 cfs @ 12.10 hrs, Volume= 1,120 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.35 cfs @ 12.10 hrs, Volume= 1,120 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.65' @ 12.10 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	215.36'	12.0" Round Culvert L= 17.3' Ke= 0.500

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Inlet / Outlet Invert= 215.36' / 214.50' S= 0.0497 '/' Cc= 0.900
 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.35 cfs @ 12.10 hrs HW=215.65' TW=215.23' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.35 cfs @ 1.83 fps)

Summary for Pond CB6: CB#6

Inflow Area = 1,704 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 670 cf
 Outflow = 0.19 cfs @ 12.09 hrs, Volume= 670 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.19 cfs @ 12.09 hrs, Volume= 670 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.60' @ 12.09 hrs

Flood Elev= 215.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.39'	12.0" Round Culvert L= 38.3' Ke= 0.500 Inlet / Outlet Invert= 212.39' / 211.96' S= 0.0112 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.18 cfs @ 12.09 hrs HW=212.60' TW=211.91' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.18 cfs @ 1.55 fps)

Summary for Pond CB7: CB#7

Inflow Area = 12,750 sf, 47.72% Impervious, Inflow Depth > 2.76" for 10YR event
 Inflow = 0.93 cfs @ 12.09 hrs, Volume= 2,938 cf
 Outflow = 0.93 cfs @ 12.09 hrs, Volume= 2,938 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.93 cfs @ 12.09 hrs, Volume= 2,938 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.10' @ 12.09 hrs

Flood Elev= 217.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.60'	12.0" Round Culvert L= 104.0' Ke= 0.500 Inlet / Outlet Invert= 214.60' / 213.68' S= 0.0088 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.91 cfs @ 12.09 hrs HW=215.10' TW=213.60' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.91 cfs @ 3.41 fps)

Summary for Pond CB8: CB#8

Inflow Area = 38,601 sf, 25.40% Impervious, Inflow Depth > 2.00" for 10YR event
 Inflow = 1.42 cfs @ 12.26 hrs, Volume= 6,429 cf
 Outflow = 1.42 cfs @ 12.26 hrs, Volume= 6,429 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.42 cfs @ 12.26 hrs, Volume= 6,429 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.84' @ 12.26 hrs

Flood Elev= 217.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.06'	12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 214.06' / 214.00' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.41 cfs @ 12.26 hrs HW=214.83' TW=213.58' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.41 cfs @ 2.98 fps)**Summary for Pond CB9: CB #9**

Inflow Area = 13,846 sf, 80.54% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 1.42 cfs @ 12.09 hrs, Volume= 4,795 cf
 Outflow = 1.42 cfs @ 12.09 hrs, Volume= 4,795 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.42 cfs @ 12.09 hrs, Volume= 4,795 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.73' @ 12.09 hrs

Flood Elev= 213.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.10'	12.0" Round Culvert L= 19.9' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 209.71' S= 0.0196 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.39 cfs @ 12.09 hrs HW=210.72' TW=210.15' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.39 cfs @ 2.69 fps)**Summary for Pond D1: DMH#1**

Inflow Area = 231,175 sf, 36.91% Impervious, Inflow Depth > 2.40" for 10YR event
 Inflow = 10.02 cfs @ 12.13 hrs, Volume= 46,302 cf
 Outflow = 10.02 cfs @ 12.13 hrs, Volume= 46,302 cf, Atten= 0%, Lag= 0.0 min
 Primary = 10.02 cfs @ 12.13 hrs, Volume= 46,302 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.48' @ 12.13 hrs

Flood Elev= 209.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.90'	30.0" Round Culvert L= 24.6' Ke= 0.500 Inlet / Outlet Invert= 202.90' / 202.78' S= 0.0049 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=9.94 cfs @ 12.13 hrs HW=204.47' TW=198.88' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 9.94 cfs @ 4.36 fps)

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Summary for Pond D10: DMH #10

Inflow Area = 44,046 sf, 62.59% Impervious, Inflow Depth > 3.24" for 10YR event
 Inflow = 3.75 cfs @ 12.09 hrs, Volume= 11,906 cf
 Outflow = 3.75 cfs @ 12.09 hrs, Volume= 11,906 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.75 cfs @ 12.09 hrs, Volume= 11,906 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.21' @ 12.09 hrs

Flood Elev= 206.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.08'	18.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 202.08' / 202.00' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.68 cfs @ 12.09 hrs HW=203.20' TW=196.37' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 3.68 cfs @ 3.63 fps)**Summary for Pond D11: DMH #11**

Inflow Area = 35,720 sf, 61.80% Impervious, Inflow Depth > 3.33" for 10YR event
 Inflow = 3.12 cfs @ 12.09 hrs, Volume= 9,925 cf
 Outflow = 3.12 cfs @ 12.09 hrs, Volume= 9,925 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.12 cfs @ 12.09 hrs, Volume= 9,925 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.71' @ 12.09 hrs

Flood Elev= 208.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.77'	15.0" Round Culvert L= 246.5' Ke= 0.500 Inlet / Outlet Invert= 204.77' / 203.04' S= 0.0070 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.07 cfs @ 12.09 hrs HW=205.70' TW=203.20' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 3.07 cfs @ 4.33 fps)**Summary for Pond D12: DMH #12**

Inflow Area = 27,274 sf, 86.03% Impervious, Inflow Depth > 4.20" for 10YR event
 Inflow = 2.82 cfs @ 12.09 hrs, Volume= 9,553 cf
 Outflow = 2.82 cfs @ 12.09 hrs, Volume= 9,553 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.82 cfs @ 12.09 hrs, Volume= 9,553 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.50' @ 12.09 hrs

Flood Elev= 207.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.21'	12.0" Round Culvert L= 41.9' Ke= 0.500

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Inlet / Outlet Invert= 203.21' / 203.00' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.76 cfs @ 12.09 hrs HW=204.46' TW=203.21' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.76 cfs @ 3.61 fps)

Summary for Pond D13: DMH #13

Inflow Area = 73,384 sf, 65.02% Impervious, Inflow Depth > 3.52" for 10YR event
 Inflow = 6.28 cfs @ 12.09 hrs, Volume= 21,498 cf
 Outflow = 6.28 cfs @ 12.09 hrs, Volume= 21,498 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.28 cfs @ 12.09 hrs, Volume= 21,498 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.23' @ 12.09 hrs

Flood Elev= 208.12'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.95'	24.0" Round Culvert L= 60.1' Ke= 0.500 Inlet / Outlet Invert= 201.95' / 201.65' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.13 cfs @ 12.09 hrs HW=203.22' TW=196.35' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 6.13 cfs @ 4.17 fps)

Summary for Pond D14: DMH #14

Inflow Area = 24,136 sf, 87.59% Impervious, Inflow Depth > 4.46" for 10YR event
 Inflow = 2.57 cfs @ 12.09 hrs, Volume= 8,969 cf
 Outflow = 2.57 cfs @ 12.09 hrs, Volume= 8,969 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.57 cfs @ 12.09 hrs, Volume= 8,969 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.16' @ 12.09 hrs

Flood Elev= 208.81'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.28'	15.0" Round Culvert L= 246.6' Ke= 0.500 Inlet / Outlet Invert= 204.28' / 203.05' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.50 cfs @ 12.09 hrs HW=205.15' TW=203.21' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.50 cfs @ 3.87 fps)

Summary for Pond D16: DMH #16

Inflow Area = 11,655 sf, 94.18% Impervious, Inflow Depth > 4.58" for 10YR event
 Inflow = 1.26 cfs @ 12.09 hrs, Volume= 4,445 cf
 Outflow = 1.26 cfs @ 12.09 hrs, Volume= 4,445 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.26 cfs @ 12.09 hrs, Volume= 4,445 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.59' @ 12.09 hrs

Flood Elev= 208.59'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.90'	15.0" Round Culvert L= 103.5' Ke= 0.500 Inlet / Outlet Invert= 204.90' / 204.38' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.22 cfs @ 12.09 hrs HW=205.57' TW=205.15' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.22 cfs @ 2.62 fps)**Summary for Pond D17: DMH #17**

Inflow Area = 21,693 sf, 85.31% Impervious, Inflow Depth > 4.45" for 10YR event
 Inflow = 2.30 cfs @ 12.09 hrs, Volume= 8,049 cf
 Outflow = 2.30 cfs @ 12.09 hrs, Volume= 8,049 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.30 cfs @ 12.09 hrs, Volume= 8,049 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.42' @ 12.09 hrs

Flood Elev= 204.84'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.55'	12.0" Round Culvert L= 91.6' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 197.69' S= 0.0312 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.24 cfs @ 12.09 hrs HW=201.40' TW=198.53' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.24 cfs @ 3.14 fps)**Summary for Pond D18: DMH #18**

Inflow Area = 31,866 sf, 74.79% Impervious, Inflow Depth > 4.19" for 10YR event
 Inflow = 3.25 cfs @ 12.09 hrs, Volume= 11,125 cf
 Outflow = 3.25 cfs @ 12.09 hrs, Volume= 11,125 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.25 cfs @ 12.09 hrs, Volume= 11,125 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 198.55' @ 12.09 hrs

Flood Elev= 201.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.44'	15.0" Round Culvert L= 51.4' Ke= 0.500 Inlet / Outlet Invert= 197.44' / 197.18' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.17 cfs @ 12.09 hrs HW=198.53' TW=196.03' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.17 cfs @ 3.72 fps)

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Summary for Pond D19: DMH #19

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 3.87" for 10YR event
 Inflow = 1.75 cfs @ 12.09 hrs, Volume= 5,775 cf
 Outflow = 1.75 cfs @ 12.09 hrs, Volume= 5,775 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.75 cfs @ 12.09 hrs, Volume= 5,775 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.97' @ 12.09 hrs

Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.19'	12.0" Round Culvert L= 82.5' Ke= 0.500 Inlet / Outlet Invert= 205.19' / 204.43' S= 0.0092 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.71 cfs @ 12.09 hrs HW=205.96' TW=205.18' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 1.71 cfs @ 3.64 fps)**Summary for Pond D2: DMH#2**

Inflow Area = 212,306 sf, 33.64% Impervious, Inflow Depth > 2.28" for 10YR event
 Inflow = 8.53 cfs @ 12.16 hrs, Volume= 40,272 cf
 Outflow = 8.53 cfs @ 12.16 hrs, Volume= 40,272 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.53 cfs @ 12.16 hrs, Volume= 40,272 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.48' @ 12.16 hrs

Flood Elev= 211.04'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.29'	30.0" Round Culvert L= 129.9' Ke= 0.500 Inlet / Outlet Invert= 206.29' / 204.41' S= 0.0145 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=8.48 cfs @ 12.16 hrs HW=207.47' TW=204.47' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 8.48 cfs @ 3.70 fps)**Summary for Pond D20: DMH #20**

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 3.87" for 10YR event
 Inflow = 1.75 cfs @ 12.09 hrs, Volume= 5,775 cf
 Outflow = 1.75 cfs @ 12.09 hrs, Volume= 5,775 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.75 cfs @ 12.09 hrs, Volume= 5,775 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.19' @ 12.09 hrs

Flood Elev= 207.68'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.33'	12.0" Round Culvert L= 63.5' Ke= 0.500

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Inlet / Outlet Invert= 204.33' / 204.02' S= 0.0049 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.71 cfs @ 12.09 hrs HW=205.18' TW=204.27' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.71 cfs @ 3.25 fps)

Summary for Pond D21: DMH #21

Inflow Area = 62,419 sf, 72.53% Impervious, Inflow Depth > 3.99" for 10YR event
 Inflow = 6.20 cfs @ 12.09 hrs, Volume= 20,753 cf
 Outflow = 6.20 cfs @ 12.09 hrs, Volume= 20,753 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.20 cfs @ 12.09 hrs, Volume= 20,753 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.29' @ 12.09 hrs

Flood Elev= 207.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.02'	24.0" Round Culvert L= 72.4' Ke= 0.500 Inlet / Outlet Invert= 203.02' / 202.66' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.04 cfs @ 12.09 hrs HW=204.27' TW=201.01' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 6.04 cfs @ 4.20 fps)

Summary for Pond D22: DMH #22

Inflow Area = 20,621 sf, 88.31% Impervious, Inflow Depth > 4.40" for 10YR event
 Inflow = 2.17 cfs @ 12.09 hrs, Volume= 7,561 cf
 Outflow = 2.17 cfs @ 12.09 hrs, Volume= 7,561 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.17 cfs @ 12.09 hrs, Volume= 7,561 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.64' @ 12.09 hrs

Flood Elev= 208.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.87'	15.0" Round Culvert L= 134.2' Ke= 0.500 Inlet / Outlet Invert= 204.87' / 203.92' S= 0.0071 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.11 cfs @ 12.09 hrs HW=205.63' TW=204.27' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.11 cfs @ 3.87 fps)

Summary for Pond D23: DMH #23

Inflow Area = 10,312 sf, 99.33% Impervious, Inflow Depth > 4.71" for 10YR event
 Inflow = 1.12 cfs @ 12.09 hrs, Volume= 4,045 cf
 Outflow = 1.12 cfs @ 12.09 hrs, Volume= 4,045 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.12 cfs @ 12.09 hrs, Volume= 4,045 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.21' @ 12.09 hrs

Flood Elev= 210.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.70'	15.0" Round Culvert L= 173.3' Ke= 0.500 Inlet / Outlet Invert= 206.70' / 204.97' S= 0.0100 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.09 cfs @ 12.09 hrs HW=207.20' TW=205.63' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.09 cfs @ 3.51 fps)**Summary for Pond D24: DMH #24**

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 4.60" for 10YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 457 cf
 Outflow = 0.13 cfs @ 12.09 hrs, Volume= 457 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.13 cfs @ 12.09 hrs, Volume= 457 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.40' @ 12.09 hrs

Flood Elev= 211.62'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.21'	12.0" Round Culvert L= 140.9' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 207.13' S= 0.0077 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.13 cfs @ 12.09 hrs HW=208.39' TW=207.20' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.13 cfs @ 1.91 fps)**Summary for Pond D25: DMH #25**

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 3.73" for 10YR event
 Inflow = 6.19 cfs @ 12.09 hrs, Volume= 20,753 cf
 Outflow = 6.19 cfs @ 12.09 hrs, Volume= 20,753 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.19 cfs @ 12.09 hrs, Volume= 20,753 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.17' @ 12.09 hrs

Flood Elev= 213.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.75'	18.0" Round Culvert L= 165.0' Ke= 0.500 Inlet / Outlet Invert= 207.75' / 206.93' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.04 cfs @ 12.09 hrs HW=209.14' TW=207.67' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 6.04 cfs @ 4.60 fps)

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Summary for Pond D26: DMH #26

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 3.73" for 10YR event
 Inflow = 6.19 cfs @ 12.09 hrs, Volume= 20,753 cf
 Outflow = 6.19 cfs @ 12.09 hrs, Volume= 20,753 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.19 cfs @ 12.09 hrs, Volume= 20,753 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.69' @ 12.09 hrs

Flood Elev= 213.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.43'	24.0" Round Culvert L= 72.0' Ke= 0.500 Inlet / Outlet Invert= 206.43' / 206.07' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.04 cfs @ 12.09 hrs HW=207.67' TW=202.92' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 6.04 cfs @ 4.20 fps)**Summary for Pond D27: DMH #27**

Inflow Area = 37,797 sf, 68.71% Impervious, Inflow Depth > 3.52" for 10YR event
 Inflow = 3.31 cfs @ 12.09 hrs, Volume= 11,090 cf
 Outflow = 3.31 cfs @ 12.09 hrs, Volume= 11,090 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.31 cfs @ 12.09 hrs, Volume= 11,090 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.25' @ 12.09 hrs

Flood Elev= 217.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.30'	15.0" Round Culvert L= 247.1' Ke= 0.500 Inlet / Outlet Invert= 213.30' / 208.48' S= 0.0195 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.24 cfs @ 12.09 hrs HW=214.23' TW=209.14' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 3.24 cfs @ 3.29 fps)**Summary for Pond D28: DMH #28**

Inflow Area = 20,495 sf, 61.40% Impervious, Inflow Depth > 3.25" for 10YR event
 Inflow = 1.65 cfs @ 12.09 hrs, Volume= 5,552 cf
 Outflow = 1.65 cfs @ 12.09 hrs, Volume= 5,552 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.65 cfs @ 12.09 hrs, Volume= 5,552 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.75' @ 12.09 hrs

Flood Elev= 220.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.12'	15.0" Round Culvert L= 189.5' Ke= 0.500

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Inlet / Outlet Invert= 217.12' / 213.40' S= 0.0196 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.62 cfs @ 12.09 hrs HW=217.74' TW=214.23' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.62 cfs @ 2.68 fps)

Summary for Pond D29: DMH #29

Inflow Area = 9,226 sf, 91.86% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.97 cfs @ 12.09 hrs, Volume= 3,364 cf
 Outflow = 0.97 cfs @ 12.09 hrs, Volume= 3,364 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.97 cfs @ 12.09 hrs, Volume= 3,364 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.34' @ 12.09 hrs

Flood Elev= 223.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	219.83'	12.0" Round Culvert L= 118.4' Ke= 0.500 Inlet / Outlet Invert= 219.83' / 217.54' S= 0.0193 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.94 cfs @ 12.09 hrs HW=220.33' TW=217.74' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.94 cfs @ 2.40 fps)

Summary for Pond D3: DMH#3

Inflow Area = 168,902 sf, 30.18% Impervious, Inflow Depth > 2.17" for 10YR event
 Inflow = 6.40 cfs @ 12.17 hrs, Volume= 30,493 cf
 Outflow = 6.40 cfs @ 12.17 hrs, Volume= 30,493 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.40 cfs @ 12.17 hrs, Volume= 30,493 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.01' @ 12.17 hrs

Flood Elev= 215.29'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	24.0" Round Culvert L= 282.0' Ke= 0.500 Inlet / Outlet Invert= 210.90' / 206.79' S= 0.0146 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.33 cfs @ 12.17 hrs HW=212.00' TW=207.47' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 6.33 cfs @ 3.57 fps)

Summary for Pond D30: DMH #30

Inflow Area = 3,480 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,369 cf
 Outflow = 0.38 cfs @ 12.09 hrs, Volume= 1,369 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.38 cfs @ 12.09 hrs, Volume= 1,369 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.28' @ 12.09 hrs

Flood Elev= 224.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.92'	12.0" Round Culvert L= 184.2' Ke= 0.500 Inlet / Outlet Invert= 220.92' / 220.00' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.37 cfs @ 12.09 hrs HW=221.27' TW=220.33' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.37 cfs @ 2.21 fps)**Summary for Pond D31: DMH#31**

Inflow Area = 63,069 sf, 29.48% Impervious, Inflow Depth > 2.13" for 10YR event
 Inflow = 2.84 cfs @ 12.16 hrs, Volume= 11,201 cf
 Outflow = 2.84 cfs @ 12.16 hrs, Volume= 11,201 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.84 cfs @ 12.16 hrs, Volume= 11,201 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 224.80' @ 12.16 hrs

Flood Elev= 227.44'

Device	Routing	Invert	Outlet Devices
#1	Primary	223.94'	15.0" Round Culvert L= 158.7' Ke= 0.500 Inlet / Outlet Invert= 223.94' / 214.45' S= 0.0598 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.79 cfs @ 12.16 hrs HW=224.79' TW=215.29' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.79 cfs @ 3.14 fps)**Summary for Pond D32: DMH#32**

Inflow Area = 71,176 sf, 30.95% Impervious, Inflow Depth > 2.19" for 10YR event
 Inflow = 3.25 cfs @ 12.15 hrs, Volume= 12,974 cf
 Outflow = 3.25 cfs @ 12.15 hrs, Volume= 12,974 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.25 cfs @ 12.15 hrs, Volume= 12,974 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.30' @ 12.15 hrs

Flood Elev= 219.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.25'	15.0" Round Culvert L= 122.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 213.64' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.24 cfs @ 12.15 hrs HW=215.30' TW=213.65' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.24 cfs @ 3.98 fps)

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Summary for Pond D4: DMH#4

Inflow Area = 122,527 sf, 30.95% Impervious, Inflow Depth > 2.19" for 10YR event
 Inflow = 5.12 cfs @ 12.16 hrs, Volume= 22,340 cf
 Outflow = 5.12 cfs @ 12.16 hrs, Volume= 22,340 cf, Atten= 0%, Lag= 0.0 min
 Primary = 5.12 cfs @ 12.16 hrs, Volume= 22,340 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.66' @ 12.16 hrs

Flood Elev= 217.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.68'	24.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 212.68' / 211.04' S= 0.0125 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.08 cfs @ 12.16 hrs HW=213.65' TW=212.00' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 5.08 cfs @ 3.36 fps)**Summary for Pond D5: DMH #5**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 4.00" for 10YR event
 Inflow = 3.75 cfs @ 12.09 hrs, Volume= 12,620 cf
 Outflow = 3.75 cfs @ 12.09 hrs, Volume= 12,620 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.75 cfs @ 12.09 hrs, Volume= 12,620 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.17' @ 12.09 hrs

Flood Elev= 212.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.09'	18.0" Round Culvert L= 183.0' Ke= 0.500 Inlet / Outlet Invert= 209.09' / 208.17' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.65 cfs @ 12.09 hrs HW=210.15' TW=209.09' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 3.65 cfs @ 3.83 fps)**Summary for Pond D6: DMH #6**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 4.00" for 10YR event
 Inflow = 3.75 cfs @ 12.09 hrs, Volume= 12,620 cf
 Outflow = 3.75 cfs @ 12.09 hrs, Volume= 12,620 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.75 cfs @ 12.09 hrs, Volume= 12,620 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.10' @ 12.09 hrs

Flood Elev= 214.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.07'	18.0" Round Culvert L= 299.7' Ke= 0.500

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Inlet / Outlet Invert= 208.07' / 206.57' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.65 cfs @ 12.09 hrs HW=209.09' TW=207.10' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.65 cfs @ 4.05 fps)

Summary for Pond D7: DMH #7

Inflow Area = 55,267 sf, 67.83% Impervious, Inflow Depth > 3.88" for 10YR event
 Inflow = 5.36 cfs @ 12.09 hrs, Volume= 17,854 cf
 Outflow = 5.36 cfs @ 12.09 hrs, Volume= 17,854 cf, Atten= 0%, Lag= 0.0 min
 Primary = 5.36 cfs @ 12.09 hrs, Volume= 17,854 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.11' @ 12.09 hrs

Flood Elev= 213.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.97'	24.0" Round Culvert L= 101.8' Ke= 0.500 Inlet / Outlet Invert= 205.97' / 205.46' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.23 cfs @ 12.09 hrs HW=207.10' TW=201.01' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 5.23 cfs @ 4.14 fps)

Summary for Pond D8: DMH #8

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 3.58" for 10YR event
 Inflow = 1.56 cfs @ 12.09 hrs, Volume= 5,193 cf
 Outflow = 1.56 cfs @ 12.09 hrs, Volume= 5,193 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.56 cfs @ 12.09 hrs, Volume= 5,193 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.40' @ 12.09 hrs

Flood Elev= 204.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.57'	12.0" Round Culvert L= 87.7' Ke= 0.500 Inlet / Outlet Invert= 200.57' / 200.13' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.53 cfs @ 12.09 hrs HW=201.39' TW=200.84' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.53 cfs @ 3.02 fps)

Summary for Pond D9: DMH #9

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 3.58" for 10YR event
 Inflow = 1.56 cfs @ 12.09 hrs, Volume= 5,193 cf
 Outflow = 1.56 cfs @ 12.09 hrs, Volume= 5,193 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.56 cfs @ 12.09 hrs, Volume= 5,193 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.85' @ 12.09 hrs

Flood Elev= 204.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.03'	12.0" Round Culvert L= 11.9' Ke= 0.500 Inlet / Outlet Invert= 200.03' / 199.97' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.52 cfs @ 12.09 hrs HW=200.84' TW=196.36' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.52 cfs @ 3.05 fps)**Summary for Pond DE1: DRIP #1**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 974 cf
 Outflow = 0.17 cfs @ 12.21 hrs, Volume= 974 cf, Atten= 40%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 758 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 216 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 223.88' @ 12.21 hrs Surf.Area= 321 sf Storage= 243 cf

Plug-Flow detention time= 67.1 min calculated for 972 cf (100% of inflow)

Center-of-Mass det. time= 66.9 min (840.1 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	221.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.99	321	0.0	0	0
222.00	321	40.0	1	1
224.99	321	40.0	384	385
225.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	224.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.50' / 223.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=222.03' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=223.88' TW=218.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)

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Summary for Pond DE10: DRIP #10

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 887 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 887 cf, Atten= 38%, Lag= 7.0 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 693 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 195 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.86' @ 12.20 hrs Surf.Area= 290 sf Storage= 217 cf

Plug-Flow detention time= 66.0 min calculated for 885 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	290	0.0	0	0
212.00	290	40.0	1	1
214.99	290	40.0	347	348
215.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=212.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=213.86' TW=201.50' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE11: DRIP #11

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 999 cf
 Outflow = 0.18 cfs @ 12.21 hrs, Volume= 999 cf, Atten= 39%, Lag= 7.1 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 774 cf
 Primary = 0.16 cfs @ 12.21 hrs, Volume= 225 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.90' @ 12.21 hrs Surf.Area= 321 sf Storage= 245 cf

Plug-Flow detention time= 65.9 min calculated for 997 cf (100% of inflow)

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Center-of-Mass det. time= 65.6 min (833.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=211.03' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.16 cfs @ 12.21 hrs HW=212.89' TW=201.51' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.16 cfs @ 1.93 fps)**Summary for Pond DE12: DRIP #12**

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,242 cf
 Outflow = 0.29 cfs @ 12.15 hrs, Volume= 1,242 cf, Atten= 18%, Lag= 3.7 min
 Discarded = 0.02 cfs @ 10.40 hrs, Volume= 758 cf
 Primary = 0.27 cfs @ 12.15 hrs, Volume= 484 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.42' @ 12.15 hrs Surf.Area= 285 sf Storage= 197 cf

Plug-Flow detention time= 37.2 min calculated for 1,239 cf (100% of inflow)

Center-of-Mass det. time= 37.0 min (799.2 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.69'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.69	285	0.0	0	0
210.70	285	40.0	1	1
213.69	285	40.0	341	342
213.70	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.70'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.70' / 211.65' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.69'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.40 hrs HW=210.72' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.15 hrs HW=212.42' TW=201.28' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.13 fps)**Summary for Pond DE13: DRIP #13**

Inflow Area = 4,097 sf, 90.68% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.44 cfs @ 12.09 hrs, Volume= 1,533 cf
 Outflow = 0.30 cfs @ 12.18 hrs, Volume= 1,533 cf, Atten= 32%, Lag= 5.4 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 1,052 cf
 Primary = 0.28 cfs @ 12.18 hrs, Volume= 481 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.23' @ 12.18 hrs Surf.Area= 382 sf Storage= 342 cf

Plug-Flow detention time= 61.4 min calculated for 1,529 cf (100% of inflow)

Center-of-Mass det. time= 61.2 min (823.3 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	462 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	382	0.0	0	0
210.00	382	40.0	2	2
212.99	382	40.0	457	458
213.00	382	100.0	4	462

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=210.02' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.18 hrs HW=212.22' TW=201.39' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.27 cfs @ 3.15 fps)**Summary for Pond DE14: DRIP #14**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 887 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 887 cf, Atten= 38%, Lag= 7.0 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 693 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 195 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.26' @ 12.20 hrs Surf.Area= 290 sf Storage= 217 cf

Plug-Flow detention time= 65.9 min calculated for 887 cf (100% of inflow)

Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.39'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.39	290	0.0	0	0
208.40	290	40.0	1	1
211.39	290	40.0	347	348
211.40	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	211.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.90' / 209.85' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=208.40' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=210.26' TW=201.50' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

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Summary for Pond DE15: DRIP #15

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 683 cf
 Outflow = 0.08 cfs @ 12.34 hrs, Volume= 683 cf, Atten= 62%, Lag= 15.1 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 601 cf
 Primary = 0.06 cfs @ 12.34 hrs, Volume= 81 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.51' @ 12.34 hrs Surf.Area= 290 sf Storage= 199 cf

Plug-Flow detention time= 71.9 min calculated for 681 cf (100% of inflow)
 Center-of-Mass det. time= 71.7 min (844.9 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	290	0.0	0	0
207.80	290	40.0	1	1
210.79	290	40.0	347	348
210.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.30' / 209.25' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=207.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.06 cfs @ 12.34 hrs HW=209.51' TW=201.89' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.49 fps)

Summary for Pond DE16: DRIP #16

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 887 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 887 cf, Atten= 38%, Lag= 7.0 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 693 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 195 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.16' @ 12.20 hrs Surf.Area= 290 sf Storage= 217 cf

Plug-Flow detention time= 65.9 min calculated for 887 cf (100% of inflow)

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Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.29	290	0.0	0	0
207.30	290	40.0	1	1
210.29	290	40.0	347	348
210.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.80' / 208.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=207.30' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=209.16' TW=201.50' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)**Summary for Pond DE17: DRIP #17**

Inflow Area = 1,970 sf, 85.94% Impervious, Inflow Depth > 3.83" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 630 cf
 Outflow = 0.07 cfs @ 12.35 hrs, Volume= 629 cf, Atten= 63%, Lag= 15.9 min
 Discarded = 0.02 cfs @ 11.60 hrs, Volume= 553 cf
 Primary = 0.06 cfs @ 12.35 hrs, Volume= 76 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.80' @ 12.35 hrs Surf.Area= 277 sf Storage= 189 cf

Plug-Flow detention time= 75.7 min calculated for 629 cf (100% of inflow)

Center-of-Mass det. time= 75.6 min (866.1 - 790.5)

Volume	Invert	Avail.Storage	Storage Description	
#1	203.09'	335 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.09	277	0.0	0	0
203.10	277	40.0	1	1
206.09	277	40.0	331	332
206.10	277	100.0	3	335

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Device	Routing	Invert	Outlet Devices
#1	Primary	206.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	204.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.60' / 204.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	203.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.60 hrs HW=203.13' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.06 cfs @ 12.35 hrs HW=204.80' TW=200.03' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.47 fps)**Summary for Pond DE18: DRIP #18**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.27 cfs @ 12.09 hrs, Volume= 900 cf
 Outflow = 0.14 cfs @ 12.23 hrs, Volume= 900 cf, Atten= 47%, Lag= 8.8 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 715 cf
 Primary = 0.13 cfs @ 12.23 hrs, Volume= 185 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.63' @ 12.23 hrs Surf.Area= 321 sf Storage= 236 cf

Plug-Flow detention time= 71.0 min calculated for 898 cf (100% of inflow)

Center-of-Mass det. time= 70.7 min (857.4 - 786.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.79'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.79	321	0.0	0	0
204.80	321	40.0	1	1
207.79	321	40.0	384	385
207.80	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	207.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.30' / 206.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	204.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.15 hrs HW=204.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.12 cfs @ 12.23 hrs HW=206.62' TW=200.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.12 cfs @ 1.81 fps)**Summary for Pond DE19: DRIP #19**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 799 cf
 Outflow = 0.13 cfs @ 12.24 hrs, Volume= 799 cf, Atten= 47%, Lag= 8.8 min
 Discarded = 0.02 cfs @ 11.40 hrs, Volume= 640 cf
 Primary = 0.11 cfs @ 12.24 hrs, Volume= 159 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.40' @ 12.24 hrs Surf.Area= 290 sf Storage= 210 cf

Plug-Flow detention time= 71.0 min calculated for 799 cf (100% of inflow)

Center-of-Mass det. time= 70.9 min (857.5 - 786.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.59	290	0.0	0	0
205.60	290	40.0	1	1
208.59	290	40.0	347	348
208.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	208.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.10' / 207.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	205.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.40 hrs HW=205.63' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.11 cfs @ 12.24 hrs HW=207.40' TW=200.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.11 cfs @ 1.75 fps)

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Summary for Pond DE2: DRIP #2

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 648 cf
 Outflow = 0.09 cfs @ 12.26 hrs, Volume= 648 cf, Atten= 52%, Lag= 10.6 min
 Discarded = 0.02 cfs @ 11.30 hrs, Volume= 544 cf
 Primary = 0.08 cfs @ 12.26 hrs, Volume= 104 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 223.24' @ 12.26 hrs Surf.Area= 290 sf Storage= 168 cf

Plug-Flow detention time= 55.3 min calculated for 648 cf (100% of inflow)
 Center-of-Mass det. time= 55.1 min (837.6 - 782.5)

Volume	Invert	Avail.Storage	Storage Description	
#1	221.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.79	290	0.0	0	0
221.80	290	40.0	1	1
224.79	290	40.0	347	348
224.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	224.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.00' / 222.95' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.30 hrs HW=221.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.08 cfs @ 12.26 hrs HW=223.24' TW=218.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.08 cfs @ 1.59 fps)

Summary for Pond DE20: DRIP #20

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 3.83" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 614 cf
 Outflow = 0.06 cfs @ 11.85 hrs, Volume= 614 cf, Atten= 70%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 11.85 hrs, Volume= 614 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

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Peak Elev= 207.20' @ 12.42 hrs Surf.Area= 290 sf Storage= 106 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 8.8 min (799.3 - 790.5)

Volume	Invert	Avail.Storage	Storage Description
#1	206.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.29	290	0.0	0	0
206.30	290	40.0	1	1
209.29	290	40.0	347	348
209.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	209.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.75' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.29'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 11.85 hrs HW=206.31' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=206.29' TW=200.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE21: DRIP #21**

Inflow Area = 1,961 sf, 86.33% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 644 cf
 Outflow = 0.05 cfs @ 11.85 hrs, Volume= 644 cf, Atten= 74%, Lag= 0.0 min
 Discarded = 0.05 cfs @ 11.85 hrs, Volume= 644 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.86' @ 12.45 hrs Surf.Area= 268 sf Storage= 125 cf

Plug-Flow detention time= 11.7 min calculated for 644 cf (100% of inflow)

Center-of-Mass det. time= 11.7 min (798.3 - 786.6)

Volume	Invert	Avail.Storage	Storage Description
#1	206.69'	324 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.69	268	0.0	0	0
206.70	268	40.0	1	1
209.69	268	40.0	321	322
209.70	268	100.0	3	324

Device	Routing	Invert	Outlet Devices
#1	Primary	209.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.20'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.20' / 208.15' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.69'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 11.85 hrs HW=206.72' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=206.69' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Controls 0.00 cfs)**Summary for Pond DE22: DRIP #22**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,242 cf
 Outflow = 0.22 cfs @ 12.20 hrs, Volume= 1,243 cf, Atten= 38%, Lag= 7.0 min
 Discarded = 0.05 cfs @ 11.70 hrs, Volume= 1,079 cf
 Primary = 0.16 cfs @ 12.20 hrs, Volume= 164 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.41' @ 12.20 hrs Surf.Area= 285 sf Storage= 219 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 14.9 min (777.1 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.49'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.49	285	0.0	0	0
207.50	285	40.0	1	1
210.49	285	40.0	341	342
210.50	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.49'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 11.70 hrs HW=207.53' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.16 cfs @ 12.20 hrs HW=209.41' TW=200.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.94 fps)**Summary for Pond DE23: DRIP #23**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 851 cf
 Outflow = 0.08 cfs @ 12.38 hrs, Volume= 851 cf, Atten= 67%, Lag= 17.7 min
 Discarded = 0.05 cfs @ 11.80 hrs, Volume= 829 cf
 Primary = 0.03 cfs @ 12.38 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.64' @ 12.38 hrs Surf.Area= 272 sf Storage= 179 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 16.0 min (784.0 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	272	0.0	0	0
208.00	272	40.0	1	1
210.99	272	40.0	325	326
211.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.50'	4.0" Round Culvert L= 10.0' Ke= 0.200 Inlet / Outlet Invert= 209.50' / 209.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.05 cfs @ 11.80 hrs HW=208.04' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.03 cfs @ 12.38 hrs HW=209.64' TW=200.03' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.03 cfs @ 1.26 fps)**Summary for Pond DE24: DRIP #24**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 999 cf
 Outflow = 0.06 cfs @ 11.80 hrs, Volume= 999 cf, Atten= 79%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 11.80 hrs, Volume= 999 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.36' @ 12.50 hrs Surf.Area= 321 sf Storage= 227 cf

Plug-Flow detention time= 18.5 min calculated for 997 cf (100% of inflow)

Center-of-Mass det. time= 18.4 min (786.4 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.59'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.59	321	0.0	0	0
208.60	321	40.0	1	1
211.59	321	40.0	384	385
211.60	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.60' / 210.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.59'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 11.80 hrs HW=208.64' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=208.59' TW=202.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE25: DRIP #25

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 999 cf
 Outflow = 0.18 cfs @ 12.21 hrs, Volume= 999 cf, Atten= 39%, Lag= 7.1 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 774 cf
 Primary = 0.16 cfs @ 12.21 hrs, Volume= 225 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.20' @ 12.21 hrs Surf.Area= 321 sf Storage= 245 cf

Plug-Flow detention time= 65.9 min calculated for 997 cf (100% of inflow)
 Center-of-Mass det. time= 65.6 min (833.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.29'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.29	321	0.0	0	0
209.30	321	40.0	1	1
212.29	321	40.0	384	385
212.30	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	212.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.80' / 210.75' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=209.30' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.21 hrs HW=211.19' TW=202.01' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.16 cfs @ 1.93 fps)

Summary for Pond DE26: DRIP #26

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 851 cf
 Outflow = 0.16 cfs @ 12.19 hrs, Volume= 851 cf, Atten= 35%, Lag= 6.4 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 657 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 194 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.87' @ 12.19 hrs Surf.Area= 272 sf Storage= 204 cf

Plug-Flow detention time= 65.4 min calculated for 851 cf (100% of inflow)

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Center-of-Mass det. time= 65.2 min (833.2 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.15 hrs HW=210.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.19 hrs HW=211.86' TW=202.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)**Summary for Pond DE27: DRIP #27**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 887 cf
 Outflow = 0.21 cfs @ 12.15 hrs, Volume= 887 cf, Atten= 17%, Lag= 3.6 min
 Discarded = 0.02 cfs @ 11.10 hrs, Volume= 577 cf
 Primary = 0.20 cfs @ 12.15 hrs, Volume= 311 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.61' @ 12.15 hrs Surf.Area= 290 sf Storage= 118 cf

Plug-Flow detention time= 18.8 min calculated for 885 cf (100% of inflow)

Center-of-Mass det. time= 18.6 min (786.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	235 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	290	0.0	0	0
211.60	290	40.0	1	1
213.59	290	40.0	231	232
213.60	290	100.0	3	235

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.10 hrs HW=211.61' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.20 cfs @ 12.15 hrs HW=212.61' TW=202.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.20 cfs @ 2.25 fps)**Summary for Pond DE28: DRIP #28**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 887 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 887 cf, Atten= 38%, Lag= 7.0 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 693 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 195 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.36' @ 12.20 hrs Surf.Area= 290 sf Storage= 217 cf

Plug-Flow detention time= 66.0 min calculated for 885 cf (100% of inflow)

Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.49	290	0.0	0	0
211.50	290	40.0	1	1
214.49	290	40.0	347	348
214.50	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=211.52' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=213.36' TW=202.01' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)**Summary for Pond DE29: DRIP #29**

Inflow Area = 2,335 sf, 88.31% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 852 cf
 Outflow = 0.20 cfs @ 12.15 hrs, Volume= 852 cf, Atten= 20%, Lag= 3.8 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 593 cf
 Primary = 0.18 cfs @ 12.15 hrs, Volume= 259 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.48' @ 12.15 hrs Surf.Area= 273 sf Storage= 151 cf

Plug-Flow detention time= 34.9 min calculated for 852 cf (100% of inflow)

Center-of-Mass det. time= 34.8 min (802.8 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.09'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.09	273	0.0	0	0
212.10	273	40.0	1	1
215.09	273	40.0	327	328
215.10	273	100.0	3	330

Device	Routing	Invert	Outlet Devices
#1	Primary	215.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.15 hrs HW=212.12' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.18 cfs @ 12.15 hrs HW=213.48' TW=204.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.18 cfs @ 2.09 fps)

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Summary for Pond DE3: DRIP #3

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 830 cf
 Outflow = 0.15 cfs @ 12.20 hrs, Volume= 830 cf, Atten= 36%, Lag= 6.8 min
 Discarded = 0.02 cfs @ 10.85 hrs, Volume= 643 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 186 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 222.65' @ 12.20 hrs Surf.Area= 272 sf Storage= 203 cf

Plug-Flow detention time= 66.7 min calculated for 828 cf (100% of inflow)
 Center-of-Mass det. time= 66.5 min (839.7 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	220.79'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
220.79	272	0.0	0	0
220.80	272	40.0	1	1
223.79	272	40.0	325	326
223.80	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	223.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	222.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 222.30' / 222.25' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	220.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.85 hrs HW=220.80' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=222.65' TW=218.00' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.87 fps)

Summary for Pond DE30: DRIP #30

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 1,000 cf
 Outflow = 0.21 cfs @ 12.17 hrs, Volume= 1,000 cf, Atten= 27%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 717 cf
 Primary = 0.19 cfs @ 12.17 hrs, Volume= 283 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.75' @ 12.17 hrs Surf.Area= 322 sf Storage= 201 cf

Plug-Flow detention time= 42.2 min calculated for 1,000 cf (100% of inflow)

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Center-of-Mass det. time= 42.1 min (810.1 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	390 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	322	0.0	0	0
212.20	322	40.0	1	1
215.19	322	40.0	385	386
215.20	322	100.0	3	390

Device	Routing	Invert	Outlet Devices
#1	Primary	215.10'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.25'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.25' / 213.20' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=212.23' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.19 cfs @ 12.17 hrs HW=213.74' TW=204.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.19 cfs @ 2.17 fps)**Summary for Pond DE31: DRIP #31**

Inflow Area = 2,748 sf, 88.03% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 1,002 cf
 Outflow = 0.17 cfs @ 12.21 hrs, Volume= 1,002 cf, Atten= 41%, Lag= 7.5 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 784 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 218 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.88' @ 12.21 hrs Surf.Area= 329 sf Storage= 249 cf

Plug-Flow detention time= 66.2 min calculated for 1,002 cf (100% of inflow)

Center-of-Mass det. time= 66.1 min (834.1 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	398 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	329	0.0	0	0
212.00	329	40.0	1	1
214.99	329	40.0	393	395
215.00	329	100.0	3	398

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Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=212.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=213.88' TW=204.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE32: DRIP #32**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 851 cf
 Outflow = 0.16 cfs @ 12.19 hrs, Volume= 851 cf, Atten= 35%, Lag= 6.4 min
 Discarded = 0.02 cfs @ 10.75 hrs, Volume= 657 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 194 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.27' @ 12.19 hrs Surf.Area= 272 sf Storage= 204 cf

Plug-Flow detention time= 65.4 min calculated for 851 cf (100% of inflow)

Center-of-Mass det. time= 65.2 min (833.2 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.39'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.39	272	0.0	0	0
211.40	272	40.0	1	1
214.39	272	40.0	325	326
214.40	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.90' / 212.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.75 hrs HW=211.40' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.19 hrs HW=213.26' TW=210.03' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)**Summary for Pond DE33: DRIP #33**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 683 cf
 Outflow = 0.08 cfs @ 12.34 hrs, Volume= 683 cf, Atten= 62%, Lag= 15.1 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 601 cf
 Primary = 0.06 cfs @ 12.34 hrs, Volume= 81 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.31' @ 12.34 hrs Surf.Area= 290 sf Storage= 199 cf

Plug-Flow detention time= 71.9 min calculated for 681 cf (100% of inflow)

Center-of-Mass det. time= 71.7 min (844.9 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.59	290	0.0	0	0
210.60	290	40.0	1	1
213.59	290	40.0	347	348
213.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=210.62' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.06 cfs @ 12.34 hrs HW=212.31' TW=210.05' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.06 cfs @ 1.49 fps)

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Summary for Pond DE34: DRIP #34

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.43 cfs @ 12.09 hrs, Volume= 1,495 cf
 Outflow = 0.29 cfs @ 12.18 hrs, Volume= 1,494 cf, Atten= 33%, Lag= 5.6 min
 Discarded = 0.02 cfs @ 10.30 hrs, Volume= 1,030 cf
 Primary = 0.27 cfs @ 12.18 hrs, Volume= 465 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.51' @ 12.18 hrs Surf.Area= 383 sf Storage= 340 cf

Plug-Flow detention time= 62.4 min calculated for 1,494 cf (100% of inflow)
 Center-of-Mass det. time= 62.3 min (830.3 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.29'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.29	383	0.0	0	0
210.30	383	40.0	2	2
213.29	383	40.0	458	460
213.30	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	213.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.80' / 211.75' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.30 hrs HW=210.30' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.27 cfs @ 12.18 hrs HW=212.50' TW=204.01' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.06 fps)

Summary for Pond DE35: DRIP #35

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.43 cfs @ 12.09 hrs, Volume= 1,495 cf
 Outflow = 0.29 cfs @ 12.18 hrs, Volume= 1,494 cf, Atten= 33%, Lag= 5.6 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 1,030 cf
 Primary = 0.27 cfs @ 12.18 hrs, Volume= 465 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.21' @ 12.18 hrs Surf.Area= 383 sf Storage= 340 cf

Plug-Flow detention time= 62.4 min calculated for 1,494 cf (100% of inflow)

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Center-of-Mass det. time= 62.3 min (830.3 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	383	0.0	0	0
209.00	383	40.0	2	2
211.99	383	40.0	458	460
212.00	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=209.02' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.18 hrs HW=211.20' TW=204.01' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.06 fps)**Summary for Pond DE36: DRIP #36**

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,242 cf
 Outflow = 0.29 cfs @ 12.15 hrs, Volume= 1,242 cf, Atten= 18%, Lag= 3.7 min
 Discarded = 0.02 cfs @ 10.40 hrs, Volume= 758 cf
 Primary = 0.27 cfs @ 12.15 hrs, Volume= 484 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.72' @ 12.15 hrs Surf.Area= 285 sf Storage= 197 cf

Plug-Flow detention time= 37.2 min calculated for 1,239 cf (100% of inflow)

Center-of-Mass det. time= 37.0 min (799.2 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	285	0.0	0	0
207.00	285	40.0	1	1
209.99	285	40.0	341	342
210.00	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.00' / 207.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.40 hrs HW=207.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.15 hrs HW=208.72' TW=198.97' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.13 fps)**Summary for Pond DE37: DRIP #37**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,212 cf
 Outflow = 0.29 cfs @ 12.15 hrs, Volume= 1,211 cf, Atten= 19%, Lag= 3.7 min
 Discarded = 0.02 cfs @ 10.50 hrs, Volume= 742 cf
 Primary = 0.27 cfs @ 12.15 hrs, Volume= 469 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.71' @ 12.15 hrs Surf.Area= 287 sf Storage= 197 cf

Plug-Flow detention time= 37.7 min calculated for 1,211 cf (100% of inflow)

Center-of-Mass det. time= 37.6 min (805.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	347 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	287	0.0	0	0
208.00	287	40.0	1	1
210.99	287	40.0	343	344
211.00	287	100.0	3	347

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.50 hrs HW=208.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.15 hrs HW=209.71' TW=198.98' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.09 fps)**Summary for Pond DE38: DRIP #39**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 974 cf
 Outflow = 0.17 cfs @ 12.21 hrs, Volume= 974 cf, Atten= 40%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 758 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 216 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.88' @ 12.21 hrs Surf.Area= 321 sf Storage= 243 cf

Plug-Flow detention time= 67.1 min calculated for 972 cf (100% of inflow)

Center-of-Mass det. time= 66.9 min (840.1 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	321	0.0	0	0
209.00	321	40.0	1	1
211.99	321	40.0	384	385
212.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=209.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=210.88' TW=199.29' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)

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Summary for Pond DE39: DRIP #39

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 830 cf
 Outflow = 0.15 cfs @ 12.20 hrs, Volume= 830 cf, Atten= 36%, Lag= 6.8 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 643 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 186 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.85' @ 12.20 hrs Surf.Area= 272 sf Storage= 203 cf

Plug-Flow detention time= 66.7 min calculated for 828 cf (100% of inflow)
 Center-of-Mass det. time= 66.5 min (839.7 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=210.03' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=211.85' TW=199.24' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.87 fps)

Summary for Pond DE4: DRIP #4

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 974 cf
 Outflow = 0.17 cfs @ 12.21 hrs, Volume= 974 cf, Atten= 40%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 758 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 216 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.88' @ 12.21 hrs Surf.Area= 321 sf Storage= 243 cf

Plug-Flow detention time= 67.1 min calculated for 972 cf (100% of inflow)

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Center-of-Mass det. time= 66.9 min (840.1 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.99	321	0.0	0	0
219.00	321	40.0	1	1
221.99	321	40.0	384	385
222.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	221.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.50' / 220.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=219.03' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=220.88' TW=218.00' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE40: DRIP #40**

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 974 cf
 Outflow = 0.17 cfs @ 12.21 hrs, Volume= 973 cf, Atten= 40%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 758 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 216 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.88' @ 12.21 hrs Surf.Area= 321 sf Storage= 243 cf

Plug-Flow detention time= 67.1 min calculated for 971 cf (100% of inflow)

Center-of-Mass det. time= 66.9 min (840.1 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=211.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=212.88' TW=199.29' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE41: DRIP #41**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 974 cf
 Outflow = 0.17 cfs @ 12.21 hrs, Volume= 974 cf, Atten= 40%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 758 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 216 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.88' @ 12.21 hrs Surf.Area= 321 sf Storage= 243 cf

Plug-Flow detention time= 67.1 min calculated for 972 cf (100% of inflow)

Center-of-Mass det. time= 66.9 min (840.1 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	321	0.0	0	0
212.00	321	40.0	1	1
214.99	321	40.0	384	385
215.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=212.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=213.88' TW=199.29' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE42: DRIP #42**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 865 cf
 Outflow = 0.15 cfs @ 12.21 hrs, Volume= 865 cf, Atten= 39%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 678 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 186 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.85' @ 12.21 hrs Surf.Area= 290 sf Storage= 216 cf

Plug-Flow detention time= 67.3 min calculated for 863 cf (100% of inflow)

Center-of-Mass det. time= 67.0 min (840.3 - 773.3)

Volume	Invert	Avail.Storage	Storage Description
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)
212.99	290	0.0	0
213.00	290	40.0	1
215.99	290	40.0	347
216.00	290	100.0	3
Cum.Store (cubic-feet)			
0			
1			
348			
351			
Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' S _c = 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=213.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.21 hrs HW=214.85' TW=199.28' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.86 fps)

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Summary for Pond DE43: DRIP #43

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 830 cf
 Outflow = 0.15 cfs @ 12.20 hrs, Volume= 830 cf, Atten= 36%, Lag= 6.8 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 643 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 186 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 215.85' @ 12.20 hrs Surf.Area= 272 sf Storage= 203 cf

Plug-Flow detention time= 66.7 min calculated for 828 cf (100% of inflow)
 Center-of-Mass det. time= 66.5 min (839.7 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	213.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.99	272	0.0	0	0
214.00	272	40.0	1	1
216.99	272	40.0	325	326
217.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	216.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	215.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.50' / 215.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	213.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=214.03' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=215.85' TW=199.24' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.87 fps)

Summary for Pond DE44: DRIP #44

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 974 cf
 Outflow = 0.17 cfs @ 12.21 hrs, Volume= 973 cf, Atten= 40%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 758 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 216 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 217.88' @ 12.21 hrs Surf.Area= 321 sf Storage= 243 cf

Plug-Flow detention time= 67.1 min calculated for 971 cf (100% of inflow)

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Center-of-Mass det. time= 66.9 min (840.1 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	215.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
215.99	321	0.0	0	0
216.00	321	40.0	1	1
218.99	321	40.0	384	385
219.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	218.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	217.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.50' / 217.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	215.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=216.03' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=217.88' TW=199.29' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE45: DRIP #45**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 830 cf
 Outflow = 0.15 cfs @ 12.20 hrs, Volume= 830 cf, Atten= 36%, Lag= 6.8 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 643 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 186 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.85' @ 12.20 hrs Surf.Area= 272 sf Storage= 203 cf

Plug-Flow detention time= 66.7 min calculated for 828 cf (100% of inflow)

Center-of-Mass det. time= 66.5 min (839.7 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	272	0.0	0	0
217.00	272	40.0	1	1
219.99	272	40.0	325	326
220.00	272	100.0	3	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.50' / 218.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=217.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=218.85' TW=199.24' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.87 fps)**Summary for Pond DE47: DRIP #47**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,212 cf
 Outflow = 0.29 cfs @ 12.15 hrs, Volume= 1,211 cf, Atten= 19%, Lag= 3.7 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 746 cf
 Primary = 0.27 cfs @ 12.15 hrs, Volume= 465 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.71' @ 12.15 hrs Surf.Area= 290 sf Storage= 199 cf

Plug-Flow detention time= 37.8 min calculated for 1,211 cf (100% of inflow)

Center-of-Mass det. time= 37.7 min (805.7 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	290	0.0	0	0
217.00	290	40.0	1	1
219.99	290	40.0	347	348
220.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.00' / 217.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=217.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.15 hrs HW=218.71' TW=216.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.08 fps)**Summary for Pond DE48: DRIP #48**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 648 cf
 Outflow = 0.07 cfs @ 12.37 hrs, Volume= 648 cf, Atten= 65%, Lag= 17.0 min
 Discarded = 0.02 cfs @ 11.55 hrs, Volume= 579 cf
 Primary = 0.05 cfs @ 12.37 hrs, Volume= 69 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 216.69' @ 12.37 hrs Surf.Area= 290 sf Storage= 197 cf

Plug-Flow detention time= 74.5 min calculated for 648 cf (100% of inflow)

Center-of-Mass det. time= 74.4 min (856.9 - 782.5)

Volume	Invert	Avail.Storage	Storage Description	
#1	214.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
214.99	290	0.0	0	0
215.00	290	40.0	1	1
217.99	290	40.0	347	348
218.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	217.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	216.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.50' / 216.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	214.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.55 hrs HW=215.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.05 cfs @ 12.37 hrs HW=216.69' TW=210.05' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.05 cfs @ 1.43 fps)

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Summary for Pond DE49: DRIP #49

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 865 cf
 Outflow = 0.15 cfs @ 12.21 hrs, Volume= 865 cf, Atten= 39%, Lag= 7.4 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 678 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 186 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.85' @ 12.21 hrs Surf.Area= 290 sf Storage= 216 cf

Plug-Flow detention time= 67.3 min calculated for 863 cf (100% of inflow)
 Center-of-Mass det. time= 67.0 min (840.3 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.99	290	0.0	0	0
213.00	290	40.0	1	1
215.99	290	40.0	347	348
216.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=213.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.21 hrs HW=214.85' TW=210.03' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.86 fps)

Summary for Pond DE5: DRIP #5

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 830 cf
 Outflow = 0.15 cfs @ 12.20 hrs, Volume= 830 cf, Atten= 36%, Lag= 6.8 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 643 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 186 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.45' @ 12.20 hrs Surf.Area= 272 sf Storage= 203 cf

Plug-Flow detention time= 66.7 min calculated for 828 cf (100% of inflow)

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Center-of-Mass det. time= 66.5 min (839.7 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.59	272	0.0	0	0
218.60	272	40.0	1	1
221.59	272	40.0	325	326
221.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	221.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.10' / 220.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=218.63' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=220.45' TW=218.00' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.14 cfs @ 1.87 fps)**Summary for Pond DE6: DRIP #6**

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.15 cfs @ 12.21 hrs, Volume= 891 cf, Atten= 40%, Lag= 7.6 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 706 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 185 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.35' @ 12.21 hrs Surf.Area= 300 sf Storage= 223 cf

Plug-Flow detention time= 66.5 min calculated for 891 cf (100% of inflow)

Center-of-Mass det. time= 66.3 min (834.4 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	363 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	300	0.0	0	0
210.50	300	40.0	1	1
213.49	300	40.0	359	360
213.50	300	100.0	3	363

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=210.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.13 cfs @ 12.21 hrs HW=212.34' TW=211.50' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.13 cfs @ 1.85 fps)**Summary for Pond DE61: DRIP #61**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.61 cfs @ 12.09 hrs, Volume= 2,080 cf
 Outflow = 0.50 cfs @ 12.15 hrs, Volume= 2,080 cf, Atten= 18%, Lag= 3.7 min
 Discarded = 0.04 cfs @ 11.15 hrs, Volume= 1,349 cf
 Primary = 0.46 cfs @ 12.15 hrs, Volume= 731 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.30' @ 12.15 hrs Surf.Area= 688 sf Storage= 307 cf

Plug-Flow detention time= 20.0 min calculated for 2,080 cf (100% of inflow)

Center-of-Mass det. time= 19.9 min (793.2 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	688	0.0	0	0
212.20	688	40.0	3	3
214.19	688	40.0	548	550
214.20	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.04 cfs @ 11.15 hrs HW=212.21' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.46 cfs @ 12.15 hrs HW=213.30' TW=203.12' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.46 cfs @ 2.46 fps)**Summary for Pond DE62: DRIP #62**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.61 cfs @ 12.09 hrs, Volume= 2,080 cf
 Outflow = 0.50 cfs @ 12.15 hrs, Volume= 2,080 cf, Atten= 18%, Lag= 3.7 min
 Discarded = 0.04 cfs @ 10.90 hrs, Volume= 1,349 cf
 Primary = 0.46 cfs @ 12.15 hrs, Volume= 731 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.30' @ 12.15 hrs Surf.Area= 688 sf Storage= 307 cf

Plug-Flow detention time= 20.1 min calculated for 2,075 cf (100% of inflow)

Center-of-Mass det. time= 19.9 min (793.2 - 773.3)

Volume	Invert	Avail.Storage	Storage Description
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)
212.19	688	0.0	0
212.20	688	40.0	3
214.19	688	40.0	548
214.20	688	100.0	7
Cum.Store (cubic-feet)			
0			
3			
550			
557			
Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 10.90 hrs HW=212.20' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.46 cfs @ 12.15 hrs HW=213.30' TW=206.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.46 cfs @ 2.46 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 3,423 sf, 88.11% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,249 cf
 Outflow = 0.33 cfs @ 12.13 hrs, Volume= 1,248 cf, Atten= 9%, Lag= 2.3 min
 Discarded = 0.02 cfs @ 11.10 hrs, Volume= 811 cf
 Primary = 0.31 cfs @ 12.13 hrs, Volume= 437 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.94' @ 12.13 hrs Surf.Area= 407 sf Storage= 155 cf

Plug-Flow detention time= 18.7 min calculated for 1,246 cf (100% of inflow)
 Center-of-Mass det. time= 18.6 min (786.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	407	0.0	0	0
207.00	407	40.0	2	2
208.99	407	40.0	324	326
209.00	407	100.0	4	330

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.10 hrs HW=207.01' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.30 cfs @ 12.13 hrs HW=207.94' TW=202.06' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.30 cfs @ 2.18 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,553 cf
 Outflow = 0.39 cfs @ 12.14 hrs, Volume= 1,553 cf, Atten= 12%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 11.05 hrs, Volume= 1,040 cf
 Primary = 0.37 cfs @ 12.14 hrs, Volume= 514 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.30' @ 12.14 hrs Surf.Area= 474 sf Storage= 249 cf

Plug-Flow detention time= 30.7 min calculated for 1,553 cf (100% of inflow)

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Center-of-Mass det. time= 30.6 min (798.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.99'	574 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.99	474	0.0	0	0
205.00	474	40.0	2	2
207.99	474	40.0	567	569
208.00	474	100.0	5	574

Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	205.80'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.80' / 205.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	204.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 11.05 hrs HW=205.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.36 cfs @ 12.14 hrs HW=206.30' TW=202.06' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.36 cfs @ 2.30 fps)**Summary for Pond DE65: DRIP #65**

Inflow Area = 3,423 sf, 88.14% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,249 cf
 Outflow = 0.33 cfs @ 12.12 hrs, Volume= 1,248 cf, Atten= 9%, Lag= 2.3 min
 Discarded = 0.02 cfs @ 11.10 hrs, Volume= 810 cf
 Primary = 0.31 cfs @ 12.12 hrs, Volume= 438 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.95' @ 12.12 hrs Surf.Area= 406 sf Storage= 155 cf

Plug-Flow detention time= 18.7 min calculated for 1,246 cf (100% of inflow)

Center-of-Mass det. time= 18.6 min (786.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.99	406	0.0	0	0
206.00	406	40.0	2	2
207.99	406	40.0	323	325
208.00	406	100.0	4	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.50' / 206.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.10 hrs HW=206.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.30 cfs @ 12.12 hrs HW=206.94' TW=202.06' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.30 cfs @ 2.18 fps)**Summary for Pond DE66: DRIP #66**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,547 cf
 Outflow = 0.40 cfs @ 12.13 hrs, Volume= 1,546 cf, Atten= 10%, Lag= 2.5 min
 Discarded = 0.03 cfs @ 10.60 hrs, Volume= 963 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 583 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.81' @ 12.13 hrs Surf.Area= 455 sf Storage= 186 cf

Plug-Flow detention time= 19.0 min calculated for 1,543 cf (100% of inflow)

Center-of-Mass det. time= 18.8 min (786.8 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	455	0.0	0	0
207.80	455	40.0	2	2
209.79	455	40.0	362	364
209.80	455	100.0	5	369

Device	Routing	Invert	Outlet Devices
#1	Primary	209.70'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.30'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.30' / 208.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 10.60 hrs HW=207.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.37 cfs @ 12.13 hrs HW=208.80' TW=202.06' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.37 cfs @ 2.31 fps)**Summary for Pond DE67: DRIP #67**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,547 cf
 Outflow = 0.40 cfs @ 12.13 hrs, Volume= 1,546 cf, Atten= 10%, Lag= 2.5 min
 Discarded = 0.03 cfs @ 10.85 hrs, Volume= 963 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 583 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.01' @ 12.13 hrs Surf.Area= 455 sf Storage= 186 cf

Plug-Flow detention time= 19.0 min calculated for 1,543 cf (100% of inflow)

Center-of-Mass det. time= 18.8 min (786.8 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	455	0.0	0	0
208.00	455	40.0	2	2
209.99	455	40.0	362	364
210.00	455	100.0	5	369

Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 208.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 10.85 hrs HW=208.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.37 cfs @ 12.13 hrs HW=209.00' TW=202.06' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.37 cfs @ 2.31 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.62 cfs @ 12.09 hrs, Volume= 2,135 cf
 Outflow = 0.51 cfs @ 12.15 hrs, Volume= 2,134 cf, Atten= 18%, Lag= 3.6 min
 Discarded = 0.04 cfs @ 11.10 hrs, Volume= 1,383 cf
 Primary = 0.47 cfs @ 12.15 hrs, Volume= 751 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.11' @ 12.15 hrs Surf.Area= 688 sf Storage= 309 cf

Plug-Flow detention time= 19.8 min calculated for 2,130 cf (100% of inflow)
 Center-of-Mass det. time= 19.6 min (787.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	688	0.0	0	0
207.00	688	40.0	3	3
208.99	688	40.0	548	550
209.00	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 11.10 hrs HW=207.01' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)

Primary OutFlow Max=0.47 cfs @ 12.15 hrs HW=208.11' TW=204.03' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.47 cfs @ 2.47 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,553 cf
 Outflow = 0.40 cfs @ 12.13 hrs, Volume= 1,553 cf, Atten= 11%, Lag= 2.6 min
 Discarded = 0.03 cfs @ 10.95 hrs, Volume= 983 cf
 Primary = 0.37 cfs @ 12.13 hrs, Volume= 570 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.51' @ 12.13 hrs Surf.Area= 474 sf Storage= 193 cf

Plug-Flow detention time= 19.0 min calculated for 1,550 cf (100% of inflow)

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Center-of-Mass det. time= 18.8 min (786.9 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.49'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.49	474	0.0	0	0
205.50	474	40.0	2	2
207.49	474	40.0	377	379
207.50	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.00' / 205.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 10.95 hrs HW=205.51' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.37 cfs @ 12.13 hrs HW=206.50' TW=201.20' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.37 cfs @ 2.31 fps)**Summary for Pond DE7: DRIP #7**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 683 cf
 Outflow = 0.08 cfs @ 12.34 hrs, Volume= 683 cf, Atten= 62%, Lag= 15.1 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 601 cf
 Primary = 0.06 cfs @ 12.34 hrs, Volume= 81 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.21' @ 12.34 hrs Surf.Area= 290 sf Storage= 199 cf

Plug-Flow detention time= 71.8 min calculated for 683 cf (100% of inflow)

Center-of-Mass det. time= 71.7 min (844.9 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	290	0.0	0	0
210.50	290	40.0	1	1
213.49	290	40.0	347	348
213.50	290	100.0	3	351

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=210.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.06 cfs @ 12.34 hrs HW=212.21' TW=211.51' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.49 fps)**Summary for Pond DE70: DRIP #70**

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,553 cf
 Outflow = 0.40 cfs @ 12.13 hrs, Volume= 1,553 cf, Atten= 11%, Lag= 2.6 min
 Discarded = 0.03 cfs @ 10.65 hrs, Volume= 983 cf
 Primary = 0.37 cfs @ 12.13 hrs, Volume= 570 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.91' @ 12.13 hrs Surf.Area= 474 sf Storage= 193 cf

Plug-Flow detention time= 19.0 min calculated for 1,553 cf (100% of inflow)

Center-of-Mass det. time= 18.8 min (786.9 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.89'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.89	474	0.0	0	0
205.90	474	40.0	2	2
207.89	474	40.0	377	379
207.90	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.40'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.40' / 206.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 10.65 hrs HW=205.90' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.37 cfs @ 12.13 hrs HW=206.90' TW=201.20' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.37 cfs @ 2.31 fps)**Summary for Pond DE71: DRIP #71**

Inflow Area = 5,851 sf, 88.26% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.62 cfs @ 12.09 hrs, Volume= 2,134 cf
 Outflow = 0.51 cfs @ 12.15 hrs, Volume= 2,134 cf, Atten= 18%, Lag= 3.6 min
 Discarded = 0.04 cfs @ 11.20 hrs, Volume= 1,382 cf
 Primary = 0.47 cfs @ 12.15 hrs, Volume= 752 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.61' @ 12.15 hrs Surf.Area= 687 sf Storage= 309 cf

Plug-Flow detention time= 19.8 min calculated for 2,134 cf (100% of inflow)

Center-of-Mass det. time= 19.6 min (787.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.49'	831 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.49	687	0.0	0	0
206.50	687	40.0	3	3
209.49	687	40.0	822	824
209.50	687	100.0	7	831

Device	Routing	Invert	Outlet Devices
#1	Primary	209.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.00' / 206.95' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 11.20 hrs HW=206.53' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.15 hrs HW=207.61' TW=201.28' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.47 cfs @ 2.47 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 851 cf
 Outflow = 0.16 cfs @ 12.19 hrs, Volume= 851 cf, Atten= 35%, Lag= 6.4 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 657 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 194 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.47' @ 12.19 hrs Surf.Area= 272 sf Storage= 204 cf

Plug-Flow detention time= 65.4 min calculated for 851 cf (100% of inflow)
 Center-of-Mass det. time= 65.2 min (833.2 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	272	0.0	0	0
211.60	272	40.0	1	1
214.59	272	40.0	325	326
214.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.10' / 213.05' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.15 hrs HW=211.62' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.19 hrs HW=213.46' TW=211.50' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond DE9: DRIP #9

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 999 cf
 Outflow = 0.18 cfs @ 12.21 hrs, Volume= 999 cf, Atten= 39%, Lag= 7.1 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 774 cf
 Primary = 0.16 cfs @ 12.21 hrs, Volume= 225 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.80' @ 12.21 hrs Surf.Area= 321 sf Storage= 245 cf

Plug-Flow detention time= 65.8 min calculated for 999 cf (100% of inflow)

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Center-of-Mass det. time= 65.6 min (833.6 - 768.0)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.89'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.89	321	0.0	0	0
211.90	321	40.0	1	1
214.89	321	40.0	384	385
214.90	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.80'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.40'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.40' / 213.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=211.90' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.16 cfs @ 12.21 hrs HW=213.79' TW=211.50' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.16 cfs @ 1.93 fps)**Summary for Pond DECH: DRIP #CH**

Inflow Area = 5,319 sf, 84.40% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 1,891 cf
 Outflow = 0.36 cfs @ 12.19 hrs, Volume= 1,890 cf, Atten= 36%, Lag= 6.1 min
 Discarded = 0.04 cfs @ 11.25 hrs, Volume= 1,232 cf
 Primary = 0.32 cfs @ 12.19 hrs, Volume= 658 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.25' @ 12.19 hrs Surf.Area= 636 sf Storage= 321 cf

Plug-Flow detention time= 20.3 min calculated for 1,890 cf (100% of inflow)

Center-of-Mass det. time= 20.1 min (793.4 - 773.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	770 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	636	0.0	0	0
208.00	636	40.0	3	3
210.99	636	40.0	761	763
211.00	636	100.0	6	770

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	4.0" Round Culvert L= 80.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 205.10' S= 0.0425 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 11.25 hrs HW=208.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.32 cfs @ 12.19 hrs HW=209.25' TW=205.87' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Inlet Controls 0.32 cfs @ 3.67 fps)**Summary for Pond P204: STORMTECH INFILTRATION SYSTEM**

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth > 3.23" for 10YR event
 Inflow = 3.20 cfs @ 12.09 hrs, Volume= 10,433 cf
 Outflow = 0.11 cfs @ 15.41 hrs, Volume= 4,510 cf, Atten= 97%, Lag= 198.9 min
 Discarded = 0.06 cfs @ 9.75 hrs, Volume= 3,997 cf
 Primary = 0.05 cfs @ 15.41 hrs, Volume= 513 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.11' @ 15.41 hrs Surf.Area= 3,960 sf Storage= 6,540 cf

Plug-Flow detention time= 250.4 min calculated for 4,510 cf (43% of inflow)

Center-of-Mass det. time= 118.6 min (890.7 - 772.2)

Volume	Invert	Avail.Storage	Storage Description
#1A	202.50'	5,144 cf	58.50'W x 67.70'L x 4.50'H STORMTECH SC-740 17,821 cf Overall - 4,962 cf Embedded = 12,860 cf x 40.0% Voids
#2A	203.50'	4,962 cf	ADS_StormTech SC-740 +Cap x 108 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 108 Chambers in 12 Rows
		10,105 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	203.00'	12.0" Round Culvert L= 40.0' Ke= 0.200 Inlet / Outlet Invert= 203.00' / 202.00' S= 0.0250 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	205.00'	12.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Discarded	202.50'	0.660 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.06 cfs @ 9.75 hrs HW=202.55' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.05 cfs @ 15.41 hrs HW=205.11' TW=200.01' (Dynamic Tailwater)↑ **1=Culvert** (Passes 0.05 cfs of 5.84 cfs potential flow)↑ **2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 1.12 fps)**Summary for Pond P205: EXTENDED DETENTION WETLAND #2**

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 2.28" for 10YR event
 Inflow = 12.86 cfs @ 12.17 hrs, Volume= 57,624 cf
 Outflow = 0.74 cfs @ 15.81 hrs, Volume= 29,818 cf, Atten= 94%, Lag= 218.1 min
 Primary = 0.74 cfs @ 15.81 hrs, Volume= 29,818 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Starting Elev= 197.00' Surf.Area= 5,209 sf Storage= 7,089 cf

Peak Elev= 201.24' @ 15.81 hrs Surf.Area= 12,181 sf Storage= 44,435 cf (37,347 cf above start)

Plug-Flow detention time= 457.2 min calculated for 22,682 cf (39% of inflow)

Center-of-Mass det. time= 249.3 min (1,079.7 - 830.4)

Volume	Invert	Avail.Storage	Storage Description
#1	195.00'	76,784 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
195.00	2,516	0	0
196.00	3,226	2,871	2,871
198.00	7,192	10,418	13,289
200.00	10,155	17,347	30,636
202.00	13,435	23,590	54,226
203.00	15,165	14,300	68,526
203.50	17,867	8,258	76,784

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	18.0" Round Culvert L= 63.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.00' S= 0.0317 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#3	Device 2	198.00'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	201.80'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=0.74 cfs @ 15.81 hrs HW=201.24' TW=192.09' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Passes 0.74 cfs of 18.02 cfs potential flow)↑ **3=Orifice/Grate** (Orifice Controls 0.74 cfs @ 8.44 fps)↑ **4=Orifice/Grate** (Controls 0.00 cfs)

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Summary for Pond P206: STORMTECH INFILTRATION SYSTEM

Inflow Area = 70,753 sf, 81.42% Impervious, Inflow Depth > 4.33" for 10YR event
 Inflow = 7.35 cfs @ 12.09 hrs, Volume= 25,524 cf
 Outflow = 5.98 cfs @ 12.15 hrs, Volume= 24,029 cf, Atten= 19%, Lag= 3.8 min
 Discarded = 0.17 cfs @ 8.95 hrs, Volume= 11,123 cf
 Primary = 5.81 cfs @ 12.15 hrs, Volume= 12,906 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.09' @ 12.15 hrs Surf.Area= 5,239 sf Storage= 5,518 cf

Plug-Flow detention time= 87.8 min calculated for 24,029 cf (94% of inflow)

Center-of-Mass det. time= 55.1 min (820.4 - 765.3)

Volume	Invert	Avail.Storage	Storage Description
#1A	194.60'	1,786 cf	39.50'W x 53.46'L x 3.33'H FIELD A 7,038 cf Overall - 2,573 cf Embedded = 4,466 cf x 40.0% Voids
#2A	194.93'	2,573 cf	ADS_StormTech SC-740 +Cap x 56 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 56 Chambers in 8 Rows
#3B	194.60'	2,626 cf	58.50'W x 53.46'L x 3.33'H FIELD B 10,424 cf Overall - 3,859 cf Embedded = 6,565 cf x 40.0% Voids
#4B	194.93'	3,859 cf	ADS_StormTech SC-740 +Cap x 84 Inside #3 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 84 Chambers in 12 Rows
		10,844 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	18.0" Round Culvert L= 30.0' Ke= 0.200 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	195.50'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#3	Discarded	194.60'	1.400 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.17 cfs @ 8.95 hrs HW=194.63' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.17 cfs)**Primary OutFlow** Max=5.79 cfs @ 12.15 hrs HW=196.09' TW=0.00' (Dynamic Tailwater)↑**1=Culvert** (Passes 5.79 cfs of 9.24 cfs potential flow)↑**2=Sharp-Crested Rectangular Weir** (Weir Controls 5.79 cfs @ 2.52 fps)

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Summary for Pond P207: INFILTRATION POND #2

Inflow Area = 158,781 sf, 56.16% Impervious, Inflow Depth > 3.38" for 10YR event
 Inflow = 13.51 cfs @ 12.09 hrs, Volume= 44,666 cf
 Outflow = 3.58 cfs @ 12.47 hrs, Volume= 42,328 cf, Atten= 73%, Lag= 22.8 min
 Discarded = 0.72 cfs @ 12.47 hrs, Volume= 28,417 cf
 Primary = 2.86 cfs @ 12.47 hrs, Volume= 13,911 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 197.07' @ 12.47 hrs Surf.Area= 8,448 sf Storage= 17,383 cf

Plug-Flow detention time= 139.5 min calculated for 42,240 cf (95% of inflow)
 Center-of-Mass det. time= 110.5 min (901.9 - 791.4)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	47,983 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	2,100	0	0
196.00	7,000	9,100	9,100
198.00	9,700	16,700	25,800
200.00	12,483	22,183	47,983

Device	Routing	Invert	Outlet Devices
#1	Primary	198.85'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.50' S= 0.0375 ' S= 0.0375 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	194.00'	3.690 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.72 cfs @ 12.47 hrs HW=197.07' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.72 cfs)

Primary OutFlow Max=2.86 cfs @ 12.47 hrs HW=197.07' TW=0.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Inlet Controls 2.86 cfs @ 3.64 fps)

Summary for Pond P210: EXTENDED DETENTION WETLAND #1

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 3.21" for 10YR event
 Inflow = 9.24 cfs @ 12.09 hrs, Volume= 29,807 cf
 Outflow = 2.58 cfs @ 12.46 hrs, Volume= 22,590 cf, Atten= 72%, Lag= 21.9 min
 Primary = 2.58 cfs @ 12.46 hrs, Volume= 22,590 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Starting Elev= 201.00' Surf.Area= 3,625 sf Storage= 4,061 cf
 Peak Elev= 203.40' @ 12.46 hrs Surf.Area= 8,086 sf Storage= 18,208 cf (14,147 cf above start)

Plug-Flow detention time= 232.2 min calculated for 18,529 cf (62% of inflow)

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Center-of-Mass det. time= 95.3 min (891.0 - 795.7)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	50,632 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	1,080	0	0
200.00	1,709	1,395	1,395
202.00	5,540	7,249	8,644
204.00	9,167	14,707	23,351
206.00	11,901	21,068	44,419
206.50	12,952	6,213	50,632

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	20.0' long x 15.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	202.25'	12.0" Round Culvert L= 44.0' Ke= 0.500 Inlet / Outlet Invert= 202.25' / 202.03' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	202.25'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	199.00'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=2.58 cfs @ 12.46 hrs HW=203.40' TW=202.16' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

2=Culvert (Barrel Controls 2.58 cfs @ 3.57 fps)

3=Orifice/Grate (Passes < 0.42 cfs potential flow)

4=Orifice/Grate (Passes < 46.54 cfs potential flow)

Summary for Pond P212: INFILTRATION POND #1

Inflow Area =	273,385 sf, 52.58% Impervious, Inflow Depth > 3.23" for 10YR event
Inflow =	18.47 cfs @ 12.12 hrs, Volume= 73,698 cf
Outflow =	3.81 cfs @ 12.71 hrs, Volume= 73,679 cf, Atten= 79%, Lag= 35.4 min
Discarded =	1.90 cfs @ 12.71 hrs, Volume= 62,793 cf
Primary =	1.91 cfs @ 12.71 hrs, Volume= 10,886 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.20' @ 12.71 hrs Surf.Area= 16,000 sf Storage= 28,119 cf

Plug-Flow detention time= 99.5 min calculated for 73,526 cf (100% of inflow)

Center-of-Mass det. time= 99.1 min (896.0 - 796.9)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	62,106 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	9,642	0	0
202.00	15,371	25,013	25,013
204.00	21,722	37,093	62,106

Device	Routing	Invert	Outlet Devices
#1	Primary	202.50'	25.0' long x 20.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	201.30'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 201.30' / 201.10' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	200.00'	5.130 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=1.90 cfs @ 12.71 hrs HW=202.20' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 1.90 cfs)**Primary OutFlow** Max=1.91 cfs @ 12.71 hrs HW=202.20' TW=200.07' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 1.91 cfs @ 3.40 fps)**Summary for Link AP1: ANALYSIS POINT 1**

Inflow Area = 11,566 sf, 80.52% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 1.15 cfs @ 12.09 hrs, Volume= 3,798 cf
 Primary = 1.15 cfs @ 12.09 hrs, Volume= 3,798 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 815,950 sf, 13.20% Impervious, Inflow Depth > 2.47" for 10YR event
 Inflow = 19.51 cfs @ 12.41 hrs, Volume= 167,791 cf
 Primary = 19.51 cfs @ 12.41 hrs, Volume= 167,791 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 46,924 sf, 0.00% Impervious, Inflow Depth > 2.33" for 10YR event
 Inflow = 2.88 cfs @ 12.09 hrs, Volume= 9,111 cf
 Primary = 2.88 cfs @ 12.09 hrs, Volume= 9,111 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Summary for Link AP4: ANALYSIS POINT #4

Inflow Area = 1,699,480 sf, 28.03% Impervious, Inflow Depth > 1.30" for 10YR event
Inflow = 25.99 cfs @ 12.28 hrs, Volume= 184,538 cf
Primary = 25.99 cfs @ 12.28 hrs, Volume= 184,538 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

SubcatchmentB1: MULTIFAMILY BLDG	Runoff Area=25,099 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=3.47 cfs 12,650 cf
SubcatchmentB2: MULTIFAMILY BLDG	Runoff Area=17,602 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=2.43 cfs 8,871 cf
SubcatchmentC1: CB #1	Runoff Area=27,330 sf 31.14% Impervious Runoff Depth>3.22" Flow Length=413' Tc=16.1 min CN=72 Runoff=1.74 cfs 7,338 cf
SubcatchmentC10: CB #10	Runoff Area=9,925 sf 94.45% Impervious Runoff Depth>5.93" Tc=6.0 min CN=97 Runoff=1.37 cfs 4,904 cf
SubcatchmentC11: CB #11	Runoff Area=14,065 sf 48.61% Impervious Runoff Depth>4.68" Tc=6.0 min CN=86 Runoff=1.69 cfs 5,488 cf
SubcatchmentC12: CB #12	Runoff Area=9,598 sf 47.53% Impervious Runoff Depth>4.57" Tc=6.0 min CN=85 Runoff=1.13 cfs 3,658 cf
SubcatchmentC13: CB #13	Runoff Area=7,833 sf 70.99% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=1.02 cfs 3,419 cf
SubcatchmentC14: CB #14	Runoff Area=12,504 sf 71.98% Impervious Runoff Depth>4.36" Tc=6.0 min CN=83 Runoff=1.42 cfs 4,541 cf
SubcatchmentC15: CB #15	Runoff Area=4,895 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.68 cfs 2,467 cf
SubcatchmentC16: CB #16	Runoff Area=8,326 sf 65.96% Impervious Runoff Depth>4.04" Tc=6.0 min CN=80 Runoff=0.88 cfs 2,804 cf
SubcatchmentC17: CB #17	Runoff Area=11,309 sf 74.12% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=1.49 cfs 5,043 cf
SubcatchmentC18: CB #18	Runoff Area=19,092 sf 48.21% Impervious Runoff Depth>4.68" Tc=6.0 min CN=86 Runoff=2.29 cfs 7,449 cf
SubcatchmentC2: CB #2	Runoff Area=18,869 sf 73.64% Impervious Runoff Depth>5.13" Tc=6.0 min CN=90 Runoff=2.42 cfs 8,059 cf
SubcatchmentC20: CB #20	Runoff Area=15,474 sf 80.34% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=2.06 cfs 7,048 cf
SubcatchmentC21: CB #21	Runoff Area=11,800 sf 93.49% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=1.59 cfs 5,487 cf
SubcatchmentC22: CB #22	Runoff Area=9,287 sf 87.71% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=1.27 cfs 4,498 cf

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SubcatchmentC23: CB #23	Runoff Area=3,194 sf 63.15% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.42 cfs 1,394 cf
SubcatchmentC24: CB #24	Runoff Area=2,843 sf 88.46% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.39 cfs 1,377 cf
SubcatchmentC25: CB #25	Runoff Area=8,812 sf 96.03% Impervious Runoff Depth>5.93" Tc=6.0 min CN=97 Runoff=1.21 cfs 4,354 cf
SubcatchmentC26: CB #26	Runoff Area=12,787 sf 75.08% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=1.72 cfs 5,946 cf
SubcatchmentC27: CB #27	Runoff Area=8,906 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=1.23 cfs 4,489 cf
SubcatchmentC28: CB #28	Runoff Area=10,173 sf 52.35% Impervious Runoff Depth>4.90" Tc=6.0 min CN=88 Runoff=1.26 cfs 4,156 cf
SubcatchmentC29: CB #29	Runoff Area=6,042 sf 80.24% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.80 cfs 2,752 cf
SubcatchmentC3: CB #3	Runoff Area=16,074 sf 74.25% Impervious Runoff Depth>4.90" Tc=6.0 min CN=88 Runoff=2.00 cfs 6,566 cf
SubcatchmentC30: CB #30	Runoff Area=11,846 sf 63.21% Impervious Runoff Depth>5.01" Tc=6.0 min CN=89 Runoff=1.50 cfs 4,949 cf
SubcatchmentC31: CB #31	Runoff Area=13,042 sf 58.40% Impervious Runoff Depth>4.90" Tc=6.0 min CN=88 Runoff=1.62 cfs 5,328 cf
SubcatchmentC32: CB #32	Runoff Area=10,868 sf 65.38% Impervious Runoff Depth>5.13" Tc=6.0 min CN=90 Runoff=1.39 cfs 4,642 cf
SubcatchmentC33: CB #33	Runoff Area=4,342 sf 79.50% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.58 cfs 1,978 cf
SubcatchmentC34: CB #34	Runoff Area=5,967 sf 75.68% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=0.79 cfs 2,661 cf
SubcatchmentC35: CB #35	Runoff Area=2,891 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.40 cfs 1,457 cf
SubcatchmentC36: CB #36	Runoff Area=6,229 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.86 cfs 3,139 cf
SubcatchmentC37: CB #37	Runoff Area=1,192 sf 94.21% Impervious Runoff Depth>5.93" Tc=6.0 min CN=97 Runoff=0.16 cfs 589 cf
SubcatchmentC38: CB #38	Runoff Area=21,247 sf 76.54% Impervious Runoff Depth>5.01" Tc=6.0 min CN=89 Runoff=2.68 cfs 8,876 cf
SubcatchmentC39: CB #39	Runoff Area=7,773 sf 98.44% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=1.07 cfs 3,918 cf

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SubcatchmentC4: CB #4	Runoff Area=43,215 sf 22.90% Impervious Runoff Depth>2.93" Flow Length=545' Tc=21.4 min CN=69 Runoff=2.22 cfs 10,543 cf
SubcatchmentC40: CB #40	Runoff Area=4,552 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.63 cfs 2,294 cf
SubcatchmentC41: CB #41	Runoff Area=12,750 sf 69.28% Impervious Runoff Depth>4.79" Tc=6.0 min CN=87 Runoff=1.56 cfs 5,091 cf
SubcatchmentC42: CB #42	Runoff Area=11,269 sf 36.46% Impervious Runoff Depth>3.43" Tc=6.0 min CN=74 Runoff=1.02 cfs 3,218 cf
SubcatchmentC43: CB #43	Runoff Area=4,084 sf 81.61% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.53 cfs 1,783 cf
SubcatchmentC44: CB #44	Runoff Area=1,662 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.23 cfs 838 cf
SubcatchmentC45: CB #45	Runoff Area=2,109 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.29 cfs 1,063 cf
SubcatchmentC46: CB #46	Runoff Area=1,371 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.19 cfs 691 cf
SubcatchmentC47: CB#47	Runoff Area=3,004 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.42 cfs 1,514 cf
SubcatchmentC48: CB#48	Runoff Area=60,065 sf 25.95% Impervious Runoff Depth>3.03" Flow Length=400' Tc=11.8 min CN=70 Runoff=4.01 cfs 15,167 cf
SubcatchmentC49: CB#49	Runoff Area=1,659 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.23 cfs 836 cf
SubcatchmentC5: CB #5	Runoff Area=1,456 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.20 cfs 734 cf
SubcatchmentC50: CB#50	Runoff Area=6,448 sf 27.62% Impervious Runoff Depth>3.13" Tc=6.0 min CN=71 Runoff=0.53 cfs 1,682 cf
SubcatchmentC6: CB #6	Runoff Area=1,704 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.24 cfs 859 cf
SubcatchmentC7: CB #7	Runoff Area=12,750 sf 47.72% Impervious Runoff Depth>3.94" Tc=6.0 min CN=79 Runoff=1.32 cfs 4,182 cf
SubcatchmentC8: CB #8	Runoff Area=38,601 sf 25.40% Impervious Runoff Depth>3.03" Flow Length=520' Tc=18.2 min CN=70 Runoff=2.19 cfs 9,733 cf
SubcatchmentC9: CB #9	Runoff Area=13,846 sf 80.54% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=1.84 cfs 6,306 cf

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SubcatchmentCH1: CLUBHOUSE	Runoff Area=5,319 sf 84.40% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.72 cfs 2,473 cf
SubcatchmentH1: SF #1	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,274 cf
SubcatchmentH10: SF #10	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,155 cf
SubcatchmentH11: SF #11	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.37 cfs 1,300 cf
SubcatchmentH12: SF #12	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.45 cfs 1,608 cf
SubcatchmentH13: SF #13	Runoff Area=4,097 sf 90.68% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.56 cfs 1,985 cf
SubcatchmentH14: SF #14	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,155 cf
SubcatchmentH15: SF #15	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.26 cfs 893 cf
SubcatchmentH16: SF #16	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,155 cf
SubcatchmentH17: SF #17	Runoff Area=1,970 sf 85.94% Impervious Runoff Depth>5.13" Tc=6.0 min CN=90 Runoff=0.25 cfs 841 cf
SubcatchmentH18: SF #18	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.36 cfs 1,196 cf
SubcatchmentH19: SF #19	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.32 cfs 1,062 cf
SubcatchmentH2: SF #2	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=0.25 cfs 857 cf
SubcatchmentH20: SF #20	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.13" Tc=6.0 min CN=90 Runoff=0.25 cfs 820 cf
SubcatchmentH21: SF #21	Runoff Area=1,961 sf 86.33% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.25 cfs 856 cf
SubcatchmentH22: SF #22	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.45 cfs 1,608 cf
SubcatchmentH23: SF #23	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,108 cf
SubcatchmentH24: SF #24	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.37 cfs 1,300 cf

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SubcatchmentH25: SF #25	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.37 cfs 1,300 cf
SubcatchmentH26: SF #26	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,108 cf
SubcatchmentH27: SF #27	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,155 cf
SubcatchmentH28: SF #28	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,155 cf
SubcatchmentH29: SF #29	Runoff Area=2,335 sf 88.31% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,108 cf
SubcatchmentH3: SF #3	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf
SubcatchmentH30: SF #30	Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.37 cfs 1,301 cf
SubcatchmentH31: SF #31	Runoff Area=2,748 sf 88.03% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.37 cfs 1,304 cf
SubcatchmentH32: SF #32	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,108 cf
SubcatchmentH33: SF #33	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.26 cfs 893 cf
SubcatchmentH34: SF #34	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.56 cfs 1,945 cf
SubcatchmentH35: SF #35	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.56 cfs 1,945 cf
SubcatchmentH36: SF #36	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.45 cfs 1,608 cf
SubcatchmentH37: SF #37	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.45 cfs 1,577 cf
SubcatchmentH38: SF #38	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,274 cf
SubcatchmentH39: SF #39	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf
SubcatchmentH4: SF #4	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,274 cf

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SubcatchmentH40: SF #40	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,274 cf
SubcatchmentH41: SF #41	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,274 cf
SubcatchmentH42: SF #42	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.33 cfs 1,131 cf
SubcatchmentH43: SF #43	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf
SubcatchmentH44: SF #44	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,274 cf
SubcatchmentH45: SF #45	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf
SubcatchmentH46: SF #46	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.45 cfs 1,577 cf
SubcatchmentH47: SF #47	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=0.25 cfs 857 cf
SubcatchmentH48: SF #48	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.33 cfs 1,131 cf
SubcatchmentH5: SF #5	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf
SubcatchmentH6: SF #6	Runoff Area=2,443 sf 87.72% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf
SubcatchmentH7: SF #7	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.26 cfs 893 cf
SubcatchmentH8: SF #8	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,108 cf
SubcatchmentH9: SF #9	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.37 cfs 1,300 cf
SubcatchmentS201: SUMMER STREET	Runoff Area=11,566 sf 80.52% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=1.50 cfs 5,048 cf
SubcatchmentS202: EXISTING WETLAND	Runoff Area=398,747 sf 3.53% Impervious Runoff Depth>3.72" Flow Length=1,049' Tc=21.5 min CN=77 Runoff=26.14 cfs 123,568 cf
SubcatchmentS203: INFILTRATION POND	Runoff Area=38,602 sf 8.41% Impervious Runoff Depth>3.73" Tc=6.0 min CN=77 Runoff=3.80 cfs 12,000 cf
SubcatchmentS204: EXISTING WETLANDS	Runoff Area=265,983 sf 0.00% Impervious Runoff Depth>3.92" Flow Length=632' Tc=22.6 min CN=79 Runoff=18.00 cfs 86,969 cf

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Subcatchment S205: ISOLATED WETLAND	Runoff Area=46,924 sf 0.00% Impervious Runoff Depth>3.43" Tc=6.0 min CN=74 Runoff=4.25 cfs 13,401 cf
Subcatchment S206: OVERLAND FLOW	Runoff Area=652,894 sf 0.00% Impervious Runoff Depth>2.55" Flow Length=795' Tc=19.2 min CN=65 Runoff=30.06 cfs 138,921 cf
Subcatchment S207: INFILTRATION POND	Runoff Area=23,952 sf 0.00% Impervious Runoff Depth>4.25" Tc=6.0 min CN=82 Runoff=2.66 cfs 8,486 cf
Subcatchment S208:	Runoff Area=15,289 sf 0.00% Impervious Runoff Depth>3.23" Tc=6.0 min CN=72 Runoff=1.30 cfs 4,114 cf
Subcatchment S209: WETLAND C	Runoff Area=108,678 sf 0.00% Impervious Runoff Depth>3.30" Flow Length=607' Tc=39.8 min CN=73 Runoff=4.80 cfs 29,913 cf
Subcatchment S210: INFILTRATION	Runoff Area=114,960 sf 21.67% Impervious Runoff Depth>4.46" Flow Length=580' Slope=0.0150 '/' Tc=16.5 min CN=84 Runoff=9.91 cfs 42,696 cf
Subcatchment S211: CUL-DE-SAC POND	Runoff Area=45,277 sf 0.00% Impervious Runoff Depth>3.42" Flow Length=528' Slope=0.0400 '/' Tc=22.0 min CN=74 Runoff=2.70 cfs 12,887 cf
Subcatchment S212: SWALE	Runoff Area=30,844 sf 0.00% Impervious Runoff Depth>3.62" Flow Length=150' Slope=0.0050 '/' Tc=18.8 min CN=76 Runoff=2.08 cfs 9,302 cf
Subcatchment S213: COURTYARD	Runoff Area=21,974 sf 14.16% Impervious Runoff Depth>2.56" Tc=6.0 min CN=65 Runoff=1.46 cfs 4,691 cf
Subcatchment T1: Trench Drain 1	Runoff Area=13,788 sf 62.94% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=1.79 cfs 6,018 cf
Subcatchment T2: Drive Under B2	Runoff Area=4,607 sf 63.97% Impervious Runoff Depth>3.73" Tc=6.0 min CN=77 Runoff=0.45 cfs 1,432 cf
Subcatchment TH1: TOWN HOUSE #1	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.79 cfs 2,721 cf
Subcatchment TH10: TOWN HOUSE #10	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.58 cfs 2,022 cf
Subcatchment TH11: TOWN HOUSE #11	Runoff Area=5,851 sf 88.26% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.79 cfs 2,777 cf
Subcatchment TH2: TOWN HOUSE #2	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.79 cfs 2,721 cf
Subcatchment TH3: TOWN HOUSE #3	Runoff Area=3,423 sf 88.11% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,625 cf
Subcatchment TH4: TOWN HOUSE #4	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.58 cfs 2,022 cf

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Subcatchment TH5: TOWN HOUSE #5	Runoff Area=3,423 sf 88.14% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,625 cf
Subcatchment TH6: TOWN HOUSE #6	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.58 cfs 2,013 cf
Subcatchment TH7: TOWN HOUSE #7	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.58 cfs 2,013 cf
Subcatchment TH8: TOWN HOUSE #8	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.79 cfs 2,778 cf
Subcatchment TH9: TOWN HOUSE #9	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.58 cfs 2,022 cf
Reach 1R: OVERLAND FLOW	Avg. Flow Depth=0.02' Max Vel=0.03 fps Inflow=1.14 cfs 1,714 cf n=0.400 L=1,350.0' S=0.0133 ' Capacity=22.21 cfs Outflow=0.04 cfs 995 cf
Reach 2R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.02 fps Inflow=0.23 cfs 348 cf n=0.400 L=925.0' S=0.0124 ' Capacity=21.45 cfs Outflow=0.01 cfs 202 cf
Reach 3R: OVERLAND FLOW	Avg. Flow Depth=0.04' Max Vel=0.05 fps Inflow=0.64 cfs 963 cf n=0.400 L=475.0' S=0.0174 ' Capacity=20.48 cfs Outflow=0.08 cfs 893 cf
Reach 4R: OVERLAND FLOW	Avg. Flow Depth=0.05' Max Vel=0.09 fps Inflow=0.99 cfs 1,678 cf n=0.400 L=427.0' S=0.0281 ' Capacity=32.25 cfs Outflow=0.23 cfs 1,638 cf
Reach 7R: OVERLAND FLOW	Avg. Flow Depth=0.03' Max Vel=0.06 fps Inflow=0.75 cfs 1,547 cf n=0.400 L=690.0' S=0.0261 ' Capacity=31.07 cfs Outflow=0.10 cfs 1,379 cf
Reach 8R: OVERLAND FLOW	Avg. Flow Depth=0.03' Max Vel=0.07 fps Inflow=0.78 cfs 1,292 cf n=0.400 L=590.0' S=0.0305 ' Capacity=33.60 cfs Outflow=0.11 cfs 1,202 cf
Reach 9R: OVERLAND FLOW	Avg. Flow Depth=0.09' Max Vel=0.14 fps Inflow=0.98 cfs 1,363 cf n=0.400 L=380.0' S=0.0368 ' Capacity=19.23 cfs Outflow=0.30 cfs 1,353 cf
Reach 12R: OVERLAND FLOW	Avg. Flow Depth=0.14' Max Vel=0.15 fps Inflow=2.24 cfs 3,920 cf n=0.400 L=250.0' S=0.0240 ' Capacity=29.80 cfs Outflow=1.08 cfs 3,914 cf
Reach 13R: OVERLAND FLOW	Avg. Flow Depth=0.03' Max Vel=0.04 fps Inflow=0.60 cfs 1,129 cf n=0.400 L=660.0' S=0.0152 ' Capacity=23.68 cfs Outflow=0.06 cfs 933 cf
Reach 14R: OVERLAND FLOW	Avg. Flow Depth=0.10' Max Vel=0.13 fps Inflow=2.71 cfs 10,387 cf n=0.400 L=940.0' S=0.0255 ' Capacity=30.74 cfs Outflow=0.66 cfs 9,316 cf
Reach 15R: OVERLAND FLOW	Avg. Flow Depth=0.28' Max Vel=0.22 fps Inflow=3.54 cfs 33,520 cf n=0.400 L=300.0' S=0.0200 ' Capacity=27.21 cfs Outflow=3.12 cfs 32,830 cf
Reach 16R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.34 cfs 723 cf n=0.400 L=1,200.0' S=0.0250 ' Capacity=30.42 cfs Outflow=0.01 cfs 443 cf
Reach 18R: OVERLAND FLOW	Avg. Flow Depth=0.24' Max Vel=0.31 fps Inflow=3.97 cfs 48,201 cf n=0.400 L=120.0' S=0.0500 ' Capacity=44.93 cfs Outflow=3.78 cfs 47,664 cf

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Reach 20R: OVERLAND FLOW Avg. Flow Depth=0.06' Max Vel=0.06 fps Inflow=0.58 cfs 3,769 cf
n=0.400 L=560.0' S=0.0093 '/' Capacity=18.54 cfs Outflow=0.17 cfs 3,360 cf

Reach 21R: TRENCH DRAIN Avg. Flow Depth=0.59' Max Vel=3.76 fps Inflow=1.79 cfs 6,018 cf
12.0" Round Pipe n=0.012 L=65.7' S=0.0052 '/' Capacity=2.78 cfs Outflow=1.80 cfs 6,017 cf

Reach 23R: OVERLAND FLOW Avg. Flow Depth=0.51' Max Vel=0.18 fps Inflow=5.81 cfs 60,917 cf
n=0.800 L=180.0' S=0.0278 '/' Capacity=18.32 cfs Outflow=5.39 cfs 60,259 cf

Reach R202: OVERLAND FLOW Avg. Flow Depth=0.50' Max Vel=0.23 fps Inflow=26.14 cfs 123,568 cf
n=0.400 L=700.0' S=0.0114 '/' Capacity=43.95 cfs Outflow=13.11 cfs 118,127 cf

Reach R211: OVERLAND FLOW Avg. Flow Depth=0.31' Max Vel=0.15 fps Inflow=7.87 cfs 27,181 cf
n=0.400 L=600.0' S=0.0087 '/' Capacity=20.47 cfs Outflow=2.51 cfs 26,623 cf

Pond 19R: DRIVEWAY D CROSS PIPE Peak Elev=195.25' Storage=4,714 cf Inflow=6.43 cfs 61,328 cf
24.0" Round Culvert n=0.012 L=30.0' S=0.0050 '/' Outflow=5.81 cfs 60,917 cf

Pond CB1: CB#1 Peak Elev=208.71' Inflow=1.74 cfs 7,338 cf
12.0" Round Culvert n=0.013 L=14.1' S=0.0050 '/' Outflow=1.74 cfs 7,338 cf

Pond CB10: CB #10 Peak Elev=210.62' Inflow=1.37 cfs 4,904 cf
12.0" Round Culvert n=0.013 L=33.8' S=0.0050 '/' Outflow=1.37 cfs 4,904 cf

Pond CB11: CB #11 Peak Elev=210.76' Inflow=1.69 cfs 5,488 cf
12.0" Round Culvert n=0.013 L=26.3' S=0.0103 '/' Outflow=1.69 cfs 5,488 cf

Pond CB12: CB #12 Peak Elev=210.37' Inflow=1.13 cfs 3,658 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=1.13 cfs 3,658 cf

Pond CB13: CB #13 Peak Elev=210.33' Inflow=1.02 cfs 3,419 cf
12.0" Round Culvert n=0.013 L=14.6' S=0.0048 '/' Outflow=1.02 cfs 3,419 cf

Pond CB14: CB #14 Peak Elev=201.77' Inflow=1.42 cfs 4,541 cf
12.0" Round Culvert n=0.013 L=23.2' S=0.0052 '/' Outflow=1.42 cfs 4,541 cf

Pond CB15: CB #15 Peak Elev=201.65' Inflow=0.68 cfs 2,467 cf
12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/' Outflow=0.68 cfs 2,467 cf

Pond CB16: CB #16 Peak Elev=204.03' Inflow=0.88 cfs 2,804 cf
12.0" Round Culvert n=0.013 L=20.9' S=0.0067 '/' Outflow=0.88 cfs 2,804 cf

Pond CB17: CB #17 Peak Elev=206.09' Inflow=1.49 cfs 5,043 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0049 '/' Outflow=1.49 cfs 5,043 cf

Pond CB18: CB #18 Peak Elev=206.39' Inflow=2.63 cfs 8,466 cf
12.0" Round Culvert n=0.013 L=16.2' S=0.0049 '/' Outflow=2.63 cfs 8,466 cf

Pond CB19: CB #19 Peak Elev=204.01' Inflow=1.46 cfs 4,691 cf
12.0" Round Culvert n=0.013 L=61.0' S=0.0051 '/' Outflow=1.46 cfs 4,691 cf

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Pond CB2: CB#2

Peak Elev=205.94' Inflow=2.42 cfs 8,059 cf
12.0" Round Culvert n=0.013 L=92.1' S=0.0050 ' Outflow=2.42 cfs 8,059 cf

Pond CB20: CB #20

Peak Elev=205.23' Inflow=2.06 cfs 7,048 cf
12.0" Round Culvert n=0.013 L=30.3' S=0.0053 ' Outflow=2.06 cfs 7,048 cf

Pond CB21: CB #21

Peak Elev=205.20' Inflow=1.59 cfs 5,487 cf
12.0" Round Culvert n=0.013 L=26.0' S=0.0050 ' Outflow=1.59 cfs 5,487 cf

Pond CB22: CB #22

Peak Elev=206.05' Inflow=1.27 cfs 4,498 cf
12.0" Round Culvert n=0.012 L=16.1' S=0.0050 ' Outflow=1.27 cfs 4,498 cf

Pond CB23: CB #23

Peak Elev=205.79' Inflow=0.42 cfs 1,394 cf
12.0" Round Culvert n=0.012 L=16.3' S=0.0055 ' Outflow=0.42 cfs 1,394 cf

Pond CB24: CB #24

Peak Elev=205.76' Inflow=0.39 cfs 1,377 cf
12.0" Round Culvert n=0.012 L=12.1' S=0.0050 ' Outflow=0.39 cfs 1,377 cf

Pond CB25: CB #25

Peak Elev=205.93' Inflow=1.21 cfs 4,354 cf
12.0" Round Culvert n=0.012 L=11.4' S=0.0053 ' Outflow=1.21 cfs 4,354 cf

Pond CB26: CB #26

Peak Elev=202.62' Inflow=1.72 cfs 5,946 cf
12.0" Round Culvert n=0.013 L=42.5' S=0.0052 ' Outflow=1.72 cfs 5,946 cf

Pond CB27: CB #27

Peak Elev=201.83' Inflow=1.23 cfs 4,489 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0056 ' Outflow=1.23 cfs 4,489 cf

Pond CB28: CB #28

Peak Elev=198.89' Inflow=1.26 cfs 4,156 cf
12.0" Round Culvert n=0.013 L=13.7' S=0.0044 ' Outflow=1.26 cfs 4,156 cf

Pond CB29: CB #29

Peak Elev=206.22' Inflow=0.80 cfs 2,752 cf
12.0" Round Culvert n=0.013 L=13.5' S=0.0052 ' Outflow=0.80 cfs 2,752 cf

Pond CB3: CB#3

Peak Elev=208.76' Inflow=2.00 cfs 6,566 cf
12.0" Round Culvert n=0.013 L=10.2' S=0.0059 ' Outflow=2.00 cfs 6,566 cf

Pond CB30: CB #30

Peak Elev=206.34' Inflow=1.50 cfs 4,949 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 ' Outflow=1.50 cfs 4,949 cf

Pond CB31: CB #31

Peak Elev=205.03' Inflow=1.62 cfs 5,328 cf
12.0" Round Culvert n=0.013 L=16.4' S=0.0049 ' Outflow=1.62 cfs 5,328 cf

Pond CB32: CB #32

Peak Elev=204.96' Inflow=1.39 cfs 4,642 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0049 ' Outflow=1.39 cfs 4,642 cf

Pond CB33: CB #33

Peak Elev=205.86' Inflow=0.58 cfs 1,978 cf
12.0" Round Culvert n=0.013 L=11.7' S=0.0051 ' Outflow=0.58 cfs 1,978 cf

Pond CB34: CB #34

Peak Elev=205.89' Inflow=0.79 cfs 2,661 cf
12.0" Round Culvert n=0.013 L=16.5' S=0.0048 ' Outflow=0.79 cfs 2,661 cf

Pond CB35: CB #35

Peak Elev=207.44' Inflow=0.40 cfs 1,457 cf
12.0" Round Culvert n=0.013 L=15.2' S=0.0053 ' Outflow=0.40 cfs 1,457 cf

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Pond CB36: CB #36

Peak Elev=207.62' Inflow=0.86 cfs 3,139 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 '/' Outflow=0.86 cfs 3,139 cf

Pond CB37: CB #37

Peak Elev=209.27' Inflow=0.16 cfs 589 cf
12.0" Round Culvert n=0.013 L=77.2' S=0.0098 '/' Outflow=0.16 cfs 589 cf

Pond CB38: CB #38

Peak Elev=210.84' Inflow=2.68 cfs 8,876 cf
12.0" Round Culvert n=0.012 L=22.4' S=0.0094 '/' Outflow=2.68 cfs 8,876 cf

Pond CB39: CB #39

Peak Elev=210.37' Inflow=1.07 cfs 3,918 cf
12.0" Round Culvert n=0.013 L=17.3' S=0.0052 '/' Outflow=1.07 cfs 3,918 cf

Pond CB4: CB#4

Peak Elev=212.93' Inflow=2.22 cfs 10,543 cf
15.0" Round Culvert n=0.012 L=13.1' S=0.0046 '/' Outflow=2.22 cfs 10,543 cf

Pond CB40: CB #40

Peak Elev=214.53' Inflow=0.63 cfs 2,294 cf
12.0" Round Culvert n=0.013 L=26.7' S=0.0049 '/' Outflow=0.63 cfs 2,294 cf

Pond CB41: CB #41

Peak Elev=214.74' Inflow=1.56 cfs 5,091 cf
12.0" Round Culvert n=0.013 L=18.4' S=0.0049 '/' Outflow=1.56 cfs 5,091 cf

Pond CB42: CB #42

Peak Elev=218.48' Inflow=1.02 cfs 3,218 cf
12.0" Round Culvert n=0.013 L=58.1' S=0.0076 '/' Outflow=1.02 cfs 3,218 cf

Pond CB43: CB #43

Peak Elev=220.53' Inflow=0.53 cfs 1,783 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 '/' Outflow=0.53 cfs 1,783 cf

Pond CB44: CB #44

Peak Elev=220.45' Inflow=0.23 cfs 838 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 '/' Outflow=0.23 cfs 838 cf

Pond CB45: CB #45

Peak Elev=221.61' Inflow=0.29 cfs 1,063 cf
12.0" Round Culvert n=0.013 L=18.2' S=0.0049 '/' Outflow=0.29 cfs 1,063 cf

Pond CB46: CB #46

Peak Elev=221.79' Inflow=0.19 cfs 691 cf
12.0" Round Culvert n=0.013 L=15.3' S=0.0052 '/' Outflow=0.19 cfs 691 cf

Pond CB47: CB#47

Peak Elev=225.37' Inflow=0.42 cfs 1,514 cf
12.0" Round Culvert n=0.012 L=20.9' S=0.0373 '/' Outflow=0.42 cfs 1,514 cf

Pond CB48: CB#48

Peak Elev=225.62' Inflow=4.01 cfs 15,167 cf
15.0" Round Culvert n=0.012 L=16.9' S=0.0278 '/' Outflow=4.01 cfs 15,167 cf

Pond CB49: CB#49

Peak Elev=216.53' Inflow=0.23 cfs 836 cf
12.0" Round Culvert n=0.012 L=15.4' S=0.0156 '/' Outflow=0.23 cfs 836 cf

Pond CB5: CB#5

Peak Elev=212.40' Inflow=0.20 cfs 734 cf
12.0" Round Culvert n=0.012 L=30.5' S=0.0049 '/' Outflow=0.20 cfs 734 cf

Pond CB50: CB#50

Peak Elev=215.82' Inflow=0.53 cfs 1,682 cf
12.0" Round Culvert n=0.012 L=17.3' S=0.0497 '/' Outflow=0.53 cfs 1,682 cf

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Pond CB6: CB#6Peak Elev=212.63' Inflow=0.24 cfs 859 cf
12.0" Round Culvert n=0.012 L=38.3' S=0.0112 ' Outflow=0.24 cfs 859 cf**Pond CB7: CB#7**Peak Elev=215.22' Inflow=1.32 cfs 4,182 cf
12.0" Round Culvert n=0.013 L=104.0' S=0.0088 ' Outflow=1.32 cfs 4,182 cf**Pond CB8: CB#8**Peak Elev=215.09' Inflow=2.19 cfs 9,733 cf
12.0" Round Culvert n=0.013 L=12.1' S=0.0050 ' Outflow=2.19 cfs 9,733 cf**Pond CB9: CB #9**Peak Elev=210.87' Inflow=1.84 cfs 6,306 cf
12.0" Round Culvert n=0.013 L=19.9' S=0.0196 ' Outflow=1.84 cfs 6,306 cf**Pond D1: DMH#1**Peak Elev=204.88' Inflow=14.65 cfs 67,214 cf
30.0" Round Culvert n=0.013 L=24.6' S=0.0049 ' Outflow=14.65 cfs 67,214 cf**Pond D10: DMH #10**Peak Elev=203.43' Inflow=5.00 cfs 16,313 cf
18.0" Round Culvert n=0.013 L=15.6' S=0.0051 ' Outflow=5.00 cfs 16,313 cf**Pond D11: DMH #11**Peak Elev=205.91' Inflow=4.12 cfs 13,509 cf
15.0" Round Culvert n=0.013 L=246.5' S=0.0070 ' Outflow=4.12 cfs 13,509 cf**Pond D12: DMH #12**Peak Elev=204.94' Inflow=3.65 cfs 12,535 cf
12.0" Round Culvert n=0.013 L=41.9' S=0.0050 ' Outflow=3.65 cfs 12,535 cf**Pond D13: DMH #13**Peak Elev=203.48' Inflow=8.39 cfs 28,850 cf
24.0" Round Culvert n=0.013 L=60.1' S=0.0050 ' Outflow=8.39 cfs 28,850 cf**Pond D14: DMH #14**Peak Elev=205.31' Inflow=3.29 cfs 11,624 cf
15.0" Round Culvert n=0.012 L=246.6' S=0.0050 ' Outflow=3.29 cfs 11,624 cf**Pond D16: DMH #16**Peak Elev=205.72' Inflow=1.60 cfs 5,732 cf
15.0" Round Culvert n=0.012 L=103.5' S=0.0050 ' Outflow=1.60 cfs 5,732 cf**Pond D17: DMH #17**Peak Elev=201.66' Inflow=2.95 cfs 10,435 cf
12.0" Round Culvert n=0.013 L=91.6' S=0.0312 ' Outflow=2.95 cfs 10,435 cf**Pond D18: DMH #18**Peak Elev=198.78' Inflow=4.22 cfs 14,591 cf
15.0" Round Culvert n=0.013 L=51.4' S=0.0051 ' Outflow=4.22 cfs 14,591 cf**Pond D19: DMH #19**Peak Elev=206.16' Inflow=2.30 cfs 7,701 cf
12.0" Round Culvert n=0.013 L=82.5' S=0.0092 ' Outflow=2.30 cfs 7,701 cf**Pond D2: DMH#2**Peak Elev=207.78' Inflow=12.74 cfs 59,155 cf
30.0" Round Culvert n=0.013 L=129.9' S=0.0145 ' Outflow=12.74 cfs 59,155 cf**Pond D20: DMH #20**Peak Elev=205.37' Inflow=2.30 cfs 7,701 cf
12.0" Round Culvert n=0.013 L=63.5' S=0.0049 ' Outflow=2.30 cfs 7,701 cf**Pond D21: DMH #21**Peak Elev=204.51' Inflow=8.10 cfs 27,494 cf
24.0" Round Culvert n=0.013 L=72.4' S=0.0050 ' Outflow=8.10 cfs 27,494 cf**Pond D22: DMH #22**Peak Elev=205.77' Inflow=2.79 cfs 9,824 cf
15.0" Round Culvert n=0.013 L=134.2' S=0.0071 ' Outflow=2.79 cfs 9,824 cf

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Pond D23: DMH #23Peak Elev=207.29' Inflow=1.42 cfs 5,185 cf
15.0" Round Culvert n=0.013 L=173.3' S=0.0100 ' Outflow=1.42 cfs 5,185 cf**Pond D24: DMH #24**Peak Elev=208.42' Inflow=0.16 cfs 589 cf
12.0" Round Culvert n=0.013 L=140.9' S=0.0077 ' Outflow=0.16 cfs 589 cf**Pond D25: DMH #25**Peak Elev=209.59' Inflow=8.21 cfs 27,772 cf
18.0" Round Culvert n=0.012 L=165.0' S=0.0050 ' Outflow=8.21 cfs 27,772 cf**Pond D26: DMH #26**Peak Elev=207.93' Inflow=8.21 cfs 27,772 cf
24.0" Round Culvert n=0.013 L=72.0' S=0.0050 ' Outflow=8.21 cfs 27,772 cf**Pond D27: DMH #27**Peak Elev=214.48' Inflow=4.45 cfs 14,978 cf
15.0" Round Culvert n=0.012 L=247.1' S=0.0195 ' Outflow=4.45 cfs 14,978 cf**Pond D28: DMH #28**Peak Elev=217.87' Inflow=2.26 cfs 7,592 cf
15.0" Round Culvert n=0.013 L=189.5' S=0.0196 ' Outflow=2.26 cfs 7,592 cf**Pond D29: DMH #29**Peak Elev=220.41' Inflow=1.24 cfs 4,374 cf
12.0" Round Culvert n=0.013 L=118.4' S=0.0193 ' Outflow=1.24 cfs 4,374 cf**Pond D3: DMH#3**Peak Elev=212.32' Inflow=9.70 cfs 45,251 cf
24.0" Round Culvert n=0.012 L=282.0' S=0.0146 ' Outflow=9.70 cfs 45,251 cf**Pond D30: DMH #30**Peak Elev=221.33' Inflow=0.48 cfs 1,754 cf
12.0" Round Culvert n=0.013 L=184.2' S=0.0050 ' Outflow=0.48 cfs 1,754 cf**Pond D31: DMH#31**Peak Elev=225.09' Inflow=4.31 cfs 16,681 cf
15.0" Round Culvert n=0.012 L=158.7' S=0.0598 ' Outflow=4.31 cfs 16,681 cf**Pond D32: DMH#32**Peak Elev=215.71' Inflow=4.90 cfs 19,200 cf
15.0" Round Culvert n=0.012 L=122.0' S=0.0050 ' Outflow=4.90 cfs 19,200 cf**Pond D4: DMH#4**Peak Elev=213.92' Inflow=7.73 cfs 33,116 cf
24.0" Round Culvert n=0.012 L=131.1' S=0.0125 ' Outflow=7.73 cfs 33,116 cf**Pond D5: DMH #5**Peak Elev=210.38' Inflow=4.90 cfs 16,698 cf
18.0" Round Culvert n=0.013 L=183.0' S=0.0050 ' Outflow=4.90 cfs 16,698 cf**Pond D6: DMH #6**Peak Elev=209.29' Inflow=4.90 cfs 16,698 cf
18.0" Round Culvert n=0.013 L=299.7' S=0.0050 ' Outflow=4.90 cfs 16,698 cf**Pond D7: DMH #7**Peak Elev=207.31' Inflow=7.05 cfs 23,775 cf
24.0" Round Culvert n=0.013 L=101.8' S=0.0050 ' Outflow=7.05 cfs 23,775 cf**Pond D8: DMH #8**Peak Elev=201.60' Inflow=2.09 cfs 7,008 cf
12.0" Round Culvert n=0.013 L=87.7' S=0.0050 ' Outflow=2.09 cfs 7,008 cf**Pond D9: DMH #9**Peak Elev=201.02' Inflow=2.09 cfs 7,008 cf
12.0" Round Culvert n=0.013 L=11.9' S=0.0050 ' Outflow=2.09 cfs 7,008 cf

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Pond DE1: DRIP #1Peak Elev=224.16' Storage=278 cf Inflow=0.37 cfs 1,274 cf
Discarded=0.02 cfs 871 cf Primary=0.25 cfs 403 cf Outflow=0.27 cfs 1,274 cf**Pond DE10: DRIP #10**Peak Elev=214.11' Storage=246 cf Inflow=0.33 cfs 1,155 cf
Discarded=0.02 cfs 795 cf Primary=0.24 cfs 359 cf Outflow=0.25 cfs 1,155 cf**Pond DE11: DRIP #11**Peak Elev=213.17' Storage=280 cf Inflow=0.37 cfs 1,300 cf
Discarded=0.02 cfs 887 cf Primary=0.26 cfs 413 cf Outflow=0.28 cfs 1,300 cf**Pond DE12: DRIP #12**Peak Elev=212.67' Storage=226 cf Inflow=0.45 cfs 1,608 cf
Discarded=0.02 cfs 864 cf Primary=0.34 cfs 744 cf Outflow=0.36 cfs 1,608 cf**Pond DE13: DRIP #13**Peak Elev=212.61' Storage=400 cf Inflow=0.56 cfs 1,985 cf
Discarded=0.02 cfs 1,193 cf Primary=0.38 cfs 792 cf Outflow=0.40 cfs 1,984 cf**Pond DE14: DRIP #14**Peak Elev=210.51' Storage=246 cf Inflow=0.33 cfs 1,155 cf
Discarded=0.02 cfs 795 cf Primary=0.24 cfs 359 cf Outflow=0.25 cfs 1,155 cf**Pond DE15: DRIP #15**Peak Elev=209.67' Storage=218 cf Inflow=0.26 cfs 893 cf
Discarded=0.02 cfs 696 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 893 cf**Pond DE16: DRIP #16**Peak Elev=209.41' Storage=246 cf Inflow=0.33 cfs 1,155 cf
Discarded=0.02 cfs 795 cf Primary=0.24 cfs 359 cf Outflow=0.25 cfs 1,155 cf**Pond DE17: DRIP #17**Peak Elev=204.96' Storage=208 cf Inflow=0.25 cfs 841 cf
Discarded=0.02 cfs 645 cf Primary=0.14 cfs 196 cf Outflow=0.16 cfs 841 cf**Pond DE18: DRIP #18**Peak Elev=206.91' Storage=272 cf Inflow=0.36 cfs 1,196 cf
Discarded=0.02 cfs 828 cf Primary=0.24 cfs 367 cf Outflow=0.26 cfs 1,196 cf**Pond DE19: DRIP #19**Peak Elev=207.65' Storage=239 cf Inflow=0.32 cfs 1,062 cf
Discarded=0.02 cfs 742 cf Primary=0.21 cfs 320 cf Outflow=0.23 cfs 1,062 cf**Pond DE2: DRIP #2**Peak Elev=223.41' Storage=188 cf Inflow=0.25 cfs 857 cf
Discarded=0.02 cfs 638 cf Primary=0.17 cfs 218 cf Outflow=0.18 cfs 856 cf**Pond DE20: DRIP #20**Peak Elev=207.86' Storage=182 cf Inflow=0.25 cfs 820 cf
Discarded=0.06 cfs 818 cf Primary=0.00 cfs 2 cf Outflow=0.06 cfs 820 cf**Pond DE21: DRIP #21**Peak Elev=208.37' Storage=181 cf Inflow=0.25 cfs 856 cf
Discarded=0.05 cfs 819 cf Primary=0.04 cfs 37 cf Outflow=0.09 cfs 856 cf**Pond DE22: DRIP #22**Peak Elev=209.73' Storage=255 cf Inflow=0.45 cfs 1,608 cf
Discarded=0.05 cfs 1,291 cf Primary=0.28 cfs 317 cf Outflow=0.33 cfs 1,608 cf**Pond DE23: DRIP #23**Peak Elev=209.83' Storage=200 cf Inflow=0.32 cfs 1,108 cf
Discarded=0.05 cfs 985 cf Primary=0.14 cfs 123 cf Outflow=0.19 cfs 1,108 cf**Pond DE24: DRIP #24**Peak Elev=210.85' Storage=290 cf Inflow=0.37 cfs 1,300 cf
Discarded=0.06 cfs 1,223 cf Primary=0.08 cfs 77 cf Outflow=0.14 cfs 1,300 cf**Pond DE25: DRIP #25**Peak Elev=211.47' Storage=280 cf Inflow=0.37 cfs 1,300 cf
Discarded=0.02 cfs 887 cf Primary=0.26 cfs 413 cf Outflow=0.28 cfs 1,300 cf

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Pond DE26: DRIP #26	Peak Elev=212.11' Storage=230 cf Inflow=0.32 cfs 1,108 cf Discarded=0.02 cfs 754 cf Primary=0.24 cfs 354 cf Outflow=0.25 cfs 1,108 cf
Pond DE27: DRIP #27	Peak Elev=212.76' Storage=136 cf Inflow=0.33 cfs 1,155 cf Discarded=0.02 cfs 679 cf Primary=0.26 cfs 475 cf Outflow=0.27 cfs 1,155 cf
Pond DE28: DRIP #28	Peak Elev=213.61' Storage=246 cf Inflow=0.33 cfs 1,155 cf Discarded=0.02 cfs 795 cf Primary=0.24 cfs 359 cf Outflow=0.25 cfs 1,155 cf
Pond DE29: DRIP #29	Peak Elev=213.64' Storage=170 cf Inflow=0.32 cfs 1,108 cf Discarded=0.02 cfs 690 cf Primary=0.25 cfs 418 cf Outflow=0.26 cfs 1,108 cf
Pond DE3: DRIP #3	Peak Elev=222.89' Storage=229 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 740 cf Primary=0.23 cfs 345 cf Outflow=0.25 cfs 1,085 cf
Pond DE30: DRIP #30	Peak Elev=213.97' Storage=230 cf Inflow=0.37 cfs 1,301 cf Discarded=0.02 cfs 831 cf Primary=0.27 cfs 470 cf Outflow=0.29 cfs 1,301 cf
Pond DE31: DRIP #31	Peak Elev=214.16' Storage=285 cf Inflow=0.37 cfs 1,304 cf Discarded=0.02 cfs 900 cf Primary=0.25 cfs 404 cf Outflow=0.27 cfs 1,304 cf
Pond DE32: DRIP #32	Peak Elev=213.51' Storage=230 cf Inflow=0.32 cfs 1,108 cf Discarded=0.02 cfs 754 cf Primary=0.24 cfs 354 cf Outflow=0.25 cfs 1,108 cf
Pond DE33: DRIP #33	Peak Elev=212.47' Storage=218 cf Inflow=0.26 cfs 893 cf Discarded=0.02 cfs 696 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 893 cf
Pond DE34: DRIP #34	Peak Elev=212.89' Storage=399 cf Inflow=0.56 cfs 1,945 cf Discarded=0.02 cfs 1,171 cf Primary=0.37 cfs 774 cf Outflow=0.39 cfs 1,945 cf
Pond DE35: DRIP #35	Peak Elev=211.59' Storage=399 cf Inflow=0.56 cfs 1,945 cf Discarded=0.02 cfs 1,171 cf Primary=0.37 cfs 774 cf Outflow=0.39 cfs 1,945 cf
Pond DE36: DRIP #36	Peak Elev=208.97' Storage=226 cf Inflow=0.45 cfs 1,608 cf Discarded=0.02 cfs 864 cf Primary=0.34 cfs 744 cf Outflow=0.36 cfs 1,608 cf
Pond DE37: DRIP #37	Peak Elev=209.96' Storage=226 cf Inflow=0.45 cfs 1,577 cf Discarded=0.02 cfs 849 cf Primary=0.34 cfs 728 cf Outflow=0.36 cfs 1,577 cf
Pond DE38: DRIP #39	Peak Elev=211.16' Storage=278 cf Inflow=0.37 cfs 1,274 cf Discarded=0.02 cfs 871 cf Primary=0.25 cfs 403 cf Outflow=0.27 cfs 1,274 cf
Pond DE39: DRIP #39	Peak Elev=212.09' Storage=229 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 740 cf Primary=0.23 cfs 345 cf Outflow=0.25 cfs 1,085 cf
Pond DE4: DRIP #4	Peak Elev=221.16' Storage=278 cf Inflow=0.37 cfs 1,274 cf Discarded=0.02 cfs 871 cf Primary=0.25 cfs 403 cf Outflow=0.27 cfs 1,274 cf
Pond DE40: DRIP #40	Peak Elev=213.16' Storage=278 cf Inflow=0.37 cfs 1,274 cf Discarded=0.02 cfs 871 cf Primary=0.25 cfs 402 cf Outflow=0.27 cfs 1,273 cf

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Pond DE41: DRIP #41Peak Elev=214.16' Storage=278 cf Inflow=0.37 cfs 1,274 cf
Discarded=0.02 cfs 871 cf Primary=0.25 cfs 403 cf Outflow=0.27 cfs 1,274 cf**Pond DE42: DRIP #42**Peak Elev=215.10' Storage=245 cf Inflow=0.33 cfs 1,131 cf
Discarded=0.02 cfs 781 cf Primary=0.23 cfs 351 cf Outflow=0.25 cfs 1,131 cf**Pond DE43: DRIP #43**Peak Elev=216.09' Storage=229 cf Inflow=0.31 cfs 1,085 cf
Discarded=0.02 cfs 740 cf Primary=0.23 cfs 345 cf Outflow=0.25 cfs 1,085 cf**Pond DE44: DRIP #44**Peak Elev=218.16' Storage=278 cf Inflow=0.37 cfs 1,274 cf
Discarded=0.02 cfs 871 cf Primary=0.25 cfs 402 cf Outflow=0.27 cfs 1,273 cf**Pond DE45: DRIP #45**Peak Elev=219.09' Storage=229 cf Inflow=0.31 cfs 1,085 cf
Discarded=0.02 cfs 740 cf Primary=0.23 cfs 345 cf Outflow=0.25 cfs 1,085 cf**Pond DE47: DRIP #47**Peak Elev=218.96' Storage=228 cf Inflow=0.45 cfs 1,577 cf
Discarded=0.02 cfs 854 cf Primary=0.34 cfs 723 cf Outflow=0.36 cfs 1,577 cf**Pond DE48: DRIP #48**Peak Elev=216.85' Storage=215 cf Inflow=0.25 cfs 857 cf
Discarded=0.02 cfs 673 cf Primary=0.14 cfs 183 cf Outflow=0.15 cfs 856 cf**Pond DE49: DRIP #49**Peak Elev=215.10' Storage=245 cf Inflow=0.33 cfs 1,131 cf
Discarded=0.02 cfs 781 cf Primary=0.23 cfs 351 cf Outflow=0.25 cfs 1,131 cf**Pond DE5: DRIP #5**Peak Elev=220.69' Storage=229 cf Inflow=0.31 cfs 1,085 cf
Discarded=0.02 cfs 740 cf Primary=0.23 cfs 345 cf Outflow=0.25 cfs 1,085 cf**Pond DE6: DRIP #6**Peak Elev=212.60' Storage=253 cf Inflow=0.33 cfs 1,160 cf
Discarded=0.02 cfs 811 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,159 cf**Pond DE61: DRIP #61**Peak Elev=213.48' Storage=356 cf Inflow=0.79 cfs 2,721 cf
Discarded=0.04 cfs 1,592 cf Primary=0.60 cfs 1,129 cf Outflow=0.64 cfs 2,721 cf**Pond DE62: DRIP #62**Peak Elev=213.48' Storage=356 cf Inflow=0.79 cfs 2,721 cf
Discarded=0.04 cfs 1,592 cf Primary=0.60 cfs 1,129 cf Outflow=0.64 cfs 2,721 cf**Pond DE63: DRIP #63**Peak Elev=208.04' Storage=170 cf Inflow=0.46 cfs 1,625 cf
Discarded=0.02 cfs 955 cf Primary=0.40 cfs 670 cf Outflow=0.42 cfs 1,624 cf**Pond DE64: DRIP #64**Peak Elev=206.43' Storage=273 cf Inflow=0.58 cfs 2,022 cf
Discarded=0.03 cfs 1,210 cf Primary=0.48 cfs 811 cf Outflow=0.51 cfs 2,021 cf**Pond DE65: DRIP #65**Peak Elev=207.04' Storage=170 cf Inflow=0.46 cfs 1,625 cf
Discarded=0.02 cfs 954 cf Primary=0.40 cfs 671 cf Outflow=0.42 cfs 1,624 cf**Pond DE66: DRIP #66**Peak Elev=208.93' Storage=208 cf Inflow=0.58 cfs 2,013 cf
Discarded=0.03 cfs 1,128 cf Primary=0.48 cfs 884 cf Outflow=0.51 cfs 2,012 cf**Pond DE67: DRIP #67**Peak Elev=209.13' Storage=208 cf Inflow=0.58 cfs 2,013 cf
Discarded=0.03 cfs 1,128 cf Primary=0.48 cfs 884 cf Outflow=0.51 cfs 2,012 cf**Pond DE68: DRIP #68**Peak Elev=208.29' Storage=358 cf Inflow=0.79 cfs 2,778 cf
Discarded=0.04 cfs 1,627 cf Primary=0.61 cfs 1,151 cf Outflow=0.65 cfs 2,777 cf

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Type III 24-hr 25YR Rainfall=6.29"

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Pond DE69: DRIP #69Peak Elev=206.63' Storage=216 cf Inflow=0.58 cfs 2,022 cf
Discarded=0.03 cfs 1,153 cf Primary=0.48 cfs 868 cf Outflow=0.51 cfs 2,021 cf**Pond DE7: DRIP #7**Peak Elev=212.37' Storage=218 cf Inflow=0.26 cfs 893 cf
Discarded=0.02 cfs 696 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 893 cf**Pond DE70: DRIP #70**Peak Elev=207.03' Storage=216 cf Inflow=0.58 cfs 2,022 cf
Discarded=0.03 cfs 1,153 cf Primary=0.48 cfs 868 cf Outflow=0.51 cfs 2,021 cf**Pond DE71: DRIP #71**Peak Elev=207.79' Storage=357 cf Inflow=0.79 cfs 2,777 cf
Discarded=0.04 cfs 1,625 cf Primary=0.61 cfs 1,151 cf Outflow=0.65 cfs 2,777 cf**Pond DE8: DRIP #8**Peak Elev=213.71' Storage=230 cf Inflow=0.32 cfs 1,108 cf
Discarded=0.02 cfs 754 cf Primary=0.24 cfs 354 cf Outflow=0.25 cfs 1,108 cf**Pond DE9: DRIP #9**Peak Elev=214.07' Storage=280 cf Inflow=0.37 cfs 1,300 cf
Discarded=0.02 cfs 887 cf Primary=0.26 cfs 413 cf Outflow=0.28 cfs 1,300 cf**Pond DECH: DRIP #CH**Peak Elev=209.62' Storage=415 cf Inflow=0.72 cfs 2,473 cf
Discarded=0.04 cfs 1,456 cf Primary=0.38 cfs 1,017 cf Outflow=0.42 cfs 2,473 cf**Pond P204: STORMTECH INFILTRATION**Peak Elev=205.38' Storage=7,252 cf Inflow=4.28 cfs 14,136 cf
Discarded=0.06 cfs 4,216 cf Primary=0.58 cfs 3,769 cf Outflow=0.64 cfs 7,985 cf**Pond P205: EXTENDED DETENTION**Peak Elev=201.95' Storage=53,604 cf Inflow=19.15 cfs 84,569 cf
Outflow=3.97 cfs 48,201 cf**Pond P206: STORMTECH INFILTRATION**Peak Elev=196.23' Storage=6,026 cf Inflow=9.48 cfs 33,257 cf
Discarded=0.17 cfs 11,749 cf Primary=7.80 cfs 19,368 cf Outflow=7.97 cfs 31,117 cf**Pond P207: INFILTRATION POND #2**Peak Elev=197.74' Storage=23,316 cf Inflow=18.14 cfs 60,656 cf
Discarded=0.80 cfs 31,504 cf Primary=4.21 cfs 25,586 cf Outflow=5.01 cfs 57,091 cf**Pond P210: EXTENDED DETENTION**Peak Elev=203.94' Storage=22,779 cf Inflow=12.53 cfs 40,900 cf
Outflow=3.54 cfs 33,520 cf**Pond P212: INFILTRATION POND #1**Peak Elev=202.67' Storage=36,105 cf Inflow=25.29 cfs 100,970 cf
Discarded=2.08 cfs 73,765 cf Primary=7.87 cfs 27,181 cf Outflow=9.95 cfs 100,946 cf**Link AP1: ANALYSIS POINT 1**Inflow=1.50 cfs 5,048 cf
Primary=1.50 cfs 5,048 cf**Link AP2: ANALYSIS POINT 2**Inflow=30.39 cfs 243,968 cf
Primary=30.39 cfs 243,968 cf**Link AP3: ANALYSIS POINT 3**Inflow=4.25 cfs 13,401 cf
Primary=4.25 cfs 13,401 cf**Link AP4: ANALYSIS POINT #4**Inflow=41.63 cfs 307,130 cf
Primary=41.63 cfs 307,130 cf

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Type III 24-hr 25YR Rainfall=6.29"

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Total Runoff Area = 2,573,920 sf Runoff Volume = 813,722 cf Average Runoff Depth = 3.79"
76.95% Pervious = 1,980,611 sf 23.05% Impervious = 593,309 sf

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 3.47 cfs @ 12.09 hrs, Volume= 12,650 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
21,440	98	Roofs, HSG C
3,659	98	Roofs, HSG D
25,099	98	Weighted Average
25,099		100.00% Impervious Area

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

Summary for Subcatchment B2: MULTIFAMILY BLDG #2

Runoff = 2.43 cfs @ 12.09 hrs, Volume= 8,871 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
7,721	98	Roofs, HSG A
9,881	98	Roofs, HSG C
17,602	98	Weighted Average
17,602		100.00% Impervious Area

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

Summary for Subcatchment C1: CB #1

Runoff = 1.74 cfs @ 12.22 hrs, Volume= 7,338 cf, Depth> 3.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
9,297	61	>75% Grass cover, Good, HSG B
6,129	98	Paved parking, HSG B
11,904	68	1 acre lots, 20% imp, HSG B
27,330	72	Weighted Average
18,820		68.86% Pervious Area
8,510		31.14% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
1.4	60	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.1	89	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
1.4	214	0.0150	2.49		Shallow Concentrated Flow, Paved Kv= 20.3 fps
16.1	413	Total			

Summary for Subcatchment C10: CB #10

Runoff = 1.37 cfs @ 12.09 hrs, Volume= 4,904 cf, Depth> 5.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
352	98	Paved parking, HSG B
483	74	>75% Grass cover, Good, HSG C
7,603	98	Paved parking, HSG C
68	80	>75% Grass cover, Good, HSG D
1,419	98	Paved parking, HSG D
9,925	97	Weighted Average
551		5.55% Pervious Area
9,374		94.45% Impervious Area

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

Summary for Subcatchment C11: CB #11

Runoff = 1.69 cfs @ 12.09 hrs, Volume= 5,488 cf, Depth> 4.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
7,228	74	>75% Grass cover, Good, HSG C
6,837	98	Paved parking, HSG C
14,065	86	Weighted Average
7,228		51.39% Pervious Area
6,837		48.61% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment C12: CB #12

Runoff = 1.13 cfs @ 12.09 hrs, Volume= 3,658 cf, Depth> 4.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
5,036	74	>75% Grass cover, Good, HSG C
4,562	98	Paved parking, HSG C
9,598	85	Weighted Average
5,036		52.47% Pervious Area
4,562		47.53% Impervious Area

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

Summary for Subcatchment C13: CB #13

Runoff = 1.02 cfs @ 12.09 hrs, Volume= 3,419 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,272	74	>75% Grass cover, Good, HSG C
5,561	98	Paved parking, HSG C
7,833	91	Weighted Average
2,272		29.01% Pervious Area
5,561		70.99% Impervious Area

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

Summary for Subcatchment C14: CB #14

Runoff = 1.42 cfs @ 12.09 hrs, Volume= 4,541 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
2,861	39	>75% Grass cover, Good, HSG A
7,490	98	Paved parking, HSG A
643	74	>75% Grass cover, Good, HSG C
1,510	98	Paved parking, HSG C
12,504	83	Weighted Average
3,504		28.02% Pervious Area
9,000		71.98% Impervious Area

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

Summary for Subcatchment C15: CB #15

Runoff = 0.68 cfs @ 12.09 hrs, Volume= 2,467 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4,739	98	Paved parking, HSG A
156	98	Paved parking, HSG C
4,895	98	Weighted Average
4,895		100.00% Impervious Area

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

Summary for Subcatchment C16: CB #16

Runoff = 0.88 cfs @ 12.09 hrs, Volume= 2,804 cf, Depth> 4.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,377	39	>75% Grass cover, Good, HSG A
4,346	98	Paved parking, HSG A
457	74	>75% Grass cover, Good, HSG C
1,146	98	Paved parking, HSG C
8,326	80	Weighted Average
2,834		34.04% Pervious Area
5,492		65.96% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment C17: CB #17

Runoff = 1.49 cfs @ 12.09 hrs, Volume= 5,043 cf, Depth> 5.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,927	74	>75% Grass cover, Good, HSG C
8,382	98	Paved parking, HSG C
11,309	92	Weighted Average
2,927		25.88% Pervious Area
8,382		74.12% Impervious Area

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

Summary for Subcatchment C18: CB #18

Runoff = 2.29 cfs @ 12.09 hrs, Volume= 7,449 cf, Depth> 4.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
9,888	74	>75% Grass cover, Good, HSG C
9,204	98	Paved parking, HSG C
19,092	86	Weighted Average
9,888		51.79% Pervious Area
9,204		48.21% Impervious Area

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

Summary for Subcatchment C2: CB #2

Runoff = 2.42 cfs @ 12.09 hrs, Volume= 8,059 cf, Depth> 5.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
2,274	61	>75% Grass cover, Good, HSG B
7,470	98	Paved parking, HSG B
2,699	74	>75% Grass cover, Good, HSG C
6,426	98	Paved parking, HSG C
18,869	90	Weighted Average
4,973		26.36% Pervious Area
13,896		73.64% Impervious Area

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

Summary for Subcatchment C20: CB #20

Runoff = 2.06 cfs @ 12.09 hrs, Volume= 7,048 cf, Depth> 5.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
274	39	>75% Grass cover, Good, HSG A
4,262	98	Paved parking, HSG A
2,415	74	>75% Grass cover, Good, HSG C
7,955	98	Paved parking, HSG C
353	80	>75% Grass cover, Good, HSG D
215	98	Paved parking, HSG D
15,474	93	Weighted Average
3,042		19.66% Pervious Area
12,432		80.34% Impervious Area

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

Summary for Subcatchment C21: CB #21

Runoff = 1.59 cfs @ 12.09 hrs, Volume= 5,487 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
768	39	>75% Grass cover, Good, HSG A
10,202	98	Paved parking, HSG A
830	98	Paved parking, HSG C
11,800	94	Weighted Average
768		6.51% Pervious Area
11,032		93.49% Impervious Area

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

Summary for Subcatchment C22: CB #22

Runoff = 1.27 cfs @ 12.09 hrs, Volume= 4,498 cf, Depth> 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
272	98	Paved parking, HSG A
2,489	98	Paved parking, HSG C
1,141	80	>75% Grass cover, Good, HSG D
5,385	98	Paved parking, HSG D
9,287	96	Weighted Average
1,141		12.29% Pervious Area
8,146		87.71% Impervious Area

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

Summary for Subcatchment C23: CB #23

Runoff = 0.42 cfs @ 12.09 hrs, Volume= 1,394 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
146	98	Paved parking, HSG A
1,177	80	>75% Grass cover, Good, HSG D
1,871	98	Paved parking, HSG D
3,194	91	Weighted Average
1,177		36.85% Pervious Area
2,017		63.15% Impervious Area

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

Summary for Subcatchment C24: CB #24

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,377 cf, Depth> 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
328	80	>75% Grass cover, Good, HSG D
2,515	98	Paved parking, HSG D
2,843	96	Weighted Average
328		11.54% Pervious Area
2,515		88.46% Impervious Area

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

Summary for Subcatchment C25: CB #25

Runoff = 1.21 cfs @ 12.09 hrs, Volume= 4,354 cf, Depth> 5.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3	98	Paved parking, HSG A
15	74	>75% Grass cover, Good, HSG C
300	98	Paved parking, HSG C
335	80	>75% Grass cover, Good, HSG D
8,159	98	Paved parking, HSG D
8,812	97	Weighted Average
350		3.97% Pervious Area
8,462		96.03% Impervious Area

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

Summary for Subcatchment C26: CB #26

Runoff = 1.72 cfs @ 12.09 hrs, Volume= 5,946 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,187	80	>75% Grass cover, Good, HSG D
9,600	98	Paved parking, HSG D
12,787	94	Weighted Average
3,187		24.92% Pervious Area
9,600		75.08% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment C27: CB #27

Runoff = 1.23 cfs @ 12.09 hrs, Volume= 4,489 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
776	98	Paved parking, HSG A
8,130	98	Paved parking, HSG D
8,906	98	Weighted Average
8,906		100.00% Impervious Area

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

Summary for Subcatchment C28: CB #28

Runoff = 1.26 cfs @ 12.09 hrs, Volume= 4,156 cf, Depth> 4.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,750	74	>75% Grass cover, Good, HSG C
2,843	98	Paved parking, HSG C
2,097	80	>75% Grass cover, Good, HSG D
2,483	98	Paved parking, HSG D
10,173	88	Weighted Average
4,847		47.65% Pervious Area
5,326		52.35% Impervious Area

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

Summary for Subcatchment C29: CB #29

Runoff = 0.80 cfs @ 12.09 hrs, Volume= 2,752 cf, Depth> 5.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
1,194	74	>75% Grass cover, Good, HSG C
4,848	98	Paved parking, HSG C
6,042	93	Weighted Average
1,194		19.76% Pervious Area
4,848		80.24% Impervious Area

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

Summary for Subcatchment C3: CB #3

Runoff = 2.00 cfs @ 12.09 hrs, Volume= 6,566 cf, Depth> 4.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4,139	61	>75% Grass cover, Good, HSG B
11,935	98	Paved parking, HSG B
16,074	88	Weighted Average
4,139		25.75% Pervious Area
11,935		74.25% Impervious Area

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

Summary for Subcatchment C30: CB #30

Runoff = 1.50 cfs @ 12.09 hrs, Volume= 4,949 cf, Depth> 5.01"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4,358	74	>75% Grass cover, Good, HSG C
7,488	98	Paved parking, HSG C
11,846	89	Weighted Average
4,358		36.79% Pervious Area
7,488		63.21% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment C31: CB #31

Runoff = 1.62 cfs @ 12.09 hrs, Volume= 5,328 cf, Depth> 4.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
5,425	74	>75% Grass cover, Good, HSG C
7,617	98	Paved parking, HSG C
13,042	88	Weighted Average
5,425		41.60% Pervious Area
7,617		58.40% Impervious Area

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

Summary for Subcatchment C32: CB #32

Runoff = 1.39 cfs @ 12.09 hrs, Volume= 4,642 cf, Depth> 5.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,762	74	>75% Grass cover, Good, HSG C
7,106	98	Paved parking, HSG C
10,868	90	Weighted Average
3,762		34.62% Pervious Area
7,106		65.38% Impervious Area

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

Summary for Subcatchment C33: CB #33

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 1,978 cf, Depth> 5.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
890	74	>75% Grass cover, Good, HSG C
3,452	98	Paved parking, HSG C
4,342	93	Weighted Average
890		20.50% Pervious Area
3,452		79.50% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment C34: CB #34

Runoff = 0.79 cfs @ 12.09 hrs, Volume= 2,661 cf, Depth> 5.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,451	74	>75% Grass cover, Good, HSG C
4,516	98	Paved parking, HSG C
5,967	92	Weighted Average
1,451		24.32% Pervious Area
4,516		75.68% Impervious Area

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

Summary for Subcatchment C35: CB #35

Runoff = 0.40 cfs @ 12.09 hrs, Volume= 1,457 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,891	98	Paved parking, HSG C
2,891		100.00% Impervious Area

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

Summary for Subcatchment C36: CB #36

Runoff = 0.86 cfs @ 12.09 hrs, Volume= 3,139 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
6,229	98	Paved parking, HSG C
6,229		100.00% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment C37: CB #37

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 589 cf, Depth> 5.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4	74	>75% Grass cover, Good, HSG C
639	98	Paved parking, HSG C
65	80	>75% Grass cover, Good, HSG D
484	98	Paved parking, HSG D
1,192	97	Weighted Average
69		5.79% Pervious Area
1,123		94.21% Impervious Area

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

Summary for Subcatchment C38: CB #38

Runoff = 2.68 cfs @ 12.09 hrs, Volume= 8,876 cf, Depth> 5.01"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4,865	61	>75% Grass cover, Good, HSG B
15,391	98	Paved parking, HSG B
38	74	>75% Grass cover, Good, HSG C
355	98	Paved parking, HSG C
81	80	>75% Grass cover, Good, HSG D
517	98	Paved parking, HSG D
21,247	89	Weighted Average
4,984		23.46% Pervious Area
16,263		76.54% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment C39: CB #39

Runoff = 1.07 cfs @ 12.09 hrs, Volume= 3,918 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
9	61	>75% Grass cover, Good, HSG B
6,543	98	Paved parking, HSG B
45	74	>75% Grass cover, Good, HSG C
517	98	Paved parking, HSG C
67	80	>75% Grass cover, Good, HSG D
592	98	Paved parking, HSG D
7,773	98	Weighted Average
121		1.56% Pervious Area
7,652		98.44% Impervious Area

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

Summary for Subcatchment C4: CB #4

Runoff = 2.22 cfs @ 12.31 hrs, Volume= 10,543 cf, Depth> 2.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
6,704	61	>75% Grass cover, Good, HSG B
3,241	98	Paved parking, HSG B
33,270	68	1 acre lots, 20% imp, HSG B
43,215	69	Weighted Average
33,320		77.10% Pervious Area
9,895		22.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
7.4	316	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.4	109	0.0360	1.33		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.4	70	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
21.4	545	Total			

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment C40: CB #40

Runoff = 0.63 cfs @ 12.09 hrs, Volume= 2,294 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4,552	98	Paved parking, HSG B
4,552		100.00% Impervious Area

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

Summary for Subcatchment C41: CB #41

Runoff = 1.56 cfs @ 12.09 hrs, Volume= 5,091 cf, Depth> 4.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,917	61	>75% Grass cover, Good, HSG B
8,833	98	Paved parking, HSG B
12,750	87	Weighted Average
3,917		30.72% Pervious Area
8,833		69.28% Impervious Area

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

Summary for Subcatchment C42: CB #42

Runoff = 1.02 cfs @ 12.09 hrs, Volume= 3,218 cf, Depth> 3.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
7,160	61	>75% Grass cover, Good, HSG B
4,109	98	Paved parking, HSG B
11,269	74	Weighted Average
7,160		63.54% Pervious Area
4,109		36.46% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment C43: CB #43

Runoff = 0.53 cfs @ 12.09 hrs, Volume= 1,783 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
751	61	>75% Grass cover, Good, HSG B
3,333	98	Paved parking, HSG B
4,084	91	Weighted Average
751		18.39% Pervious Area
3,333		81.61% Impervious Area

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

Summary for Subcatchment C44: CB #44

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 838 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,662	98	Paved parking, HSG B
1,662		100.00% Impervious Area

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

Summary for Subcatchment C45: CB #45

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 1,063 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,109	98	Paved parking, HSG B
2,109		100.00% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment C46: CB #46

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 691 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,371	98	Paved parking, HSG B
1,371		100.00% Impervious Area

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

Summary for Subcatchment C47: CB#47

Runoff = 0.42 cfs @ 12.09 hrs, Volume= 1,514 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,004	98	Paved parking, HSG B
3,004		100.00% Impervious Area

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

Summary for Subcatchment C48: CB#48

Runoff = 4.01 cfs @ 12.17 hrs, Volume= 15,167 cf, Depth> 3.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4,469	98	Paved parking, HSG B
55,596	68	1 acre lots, 20% imp, HSG B
60,065	70	Weighted Average
44,477		74.05% Pervious Area
15,588		25.95% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.0	50	0.0800	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
4.8	350	0.0600	1.22		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
11.8	400	Total			

Summary for Subcatchment C49: CB#49

Runoff = 0.23 cfs @ 12.09 hrs, Volume= 836 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,659	98	Paved parking, HSG B
1,659		100.00% Impervious Area

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

Summary for Subcatchment C5: CB #5

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 734 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,337	98	Paved parking, HSG B
119	98	Paved parking, HSG D
1,456	98	Weighted Average
1,456		100.00% Impervious Area

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

Summary for Subcatchment C50: CB#50

Runoff = 0.53 cfs @ 12.09 hrs, Volume= 1,682 cf, Depth> 3.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
3,913	61	>75% Grass cover, Good, HSG B
754	55	Woods, Good, HSG B
1,781	98	Paved parking, HSG B
6,448	71	Weighted Average
4,667		72.38% Pervious Area
1,781		27.62% Impervious Area

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

Summary for Subcatchment C6: CB #6

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 859 cf, Depth> 6.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,704	98	Paved parking, HSG B
1,704		100.00% Impervious Area

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

Summary for Subcatchment C7: CB #7

Runoff = 1.32 cfs @ 12.09 hrs, Volume= 4,182 cf, Depth> 3.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
6,666	61	>75% Grass cover, Good, HSG B
6,084	98	Paved parking, HSG B
12,750	79	Weighted Average
6,666		52.28% Pervious Area
6,084		47.72% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment C8: CB #8

Runoff = 2.19 cfs @ 12.26 hrs, Volume= 9,733 cf, Depth> 3.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
7,864	61	>75% Grass cover, Good, HSG B
4,598	98	Paved parking, HSG B
102	55	Woods, Good, HSG B
26,037	68	1 acre lots, 20% imp, HSG B
38,601	70	Weighted Average
28,796		74.60% Pervious Area
9,805		25.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
5.1	304	0.0200	0.99		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.5	91	0.0430	3.34		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.4	75	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
18.2	520	Total			

Summary for Subcatchment C9: CB #9

Runoff = 1.84 cfs @ 12.09 hrs, Volume= 6,306 cf, Depth> 5.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
54	98	Paved parking, HSG B
2,695	74	>75% Grass cover, Good, HSG C
10,158	98	Paved parking, HSG C
939	98	Paved parking, HSG D
13,846	93	Weighted Average
2,695		19.46% Pervious Area
11,151		80.54% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 0.72 cfs @ 12.09 hrs, Volume= 2,473 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
4,489	98	Roofs, HSG C
830	74	>75% Grass cover, Good, HSG C
5,319	94	Weighted Average
830		15.60% Pervious Area
4,489		84.40% Impervious Area

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

Summary for Subcatchment H1: SF #1

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H10: SF #10

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment H11: SF #11

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H12: SF #12

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,608 cf, Depth> 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H13: SF #13

Runoff = 0.56 cfs @ 12.09 hrs, Volume= 1,985 cf, Depth> 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
3,715	98	Roofs, HSG C
382	74	>75% Grass cover, Good, HSG C
4,097	96	Weighted Average
382		9.32% Pervious Area
3,715		90.68% Impervious Area

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

Summary for Subcatchment H14: SF #14

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H15: SF #15

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 893 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment H16: SF #16

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H17: SF #17

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 841 cf, Depth> 5.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,693	98	Roofs, HSG A
277	39	>75% Grass cover, Good, HSG A
1,970	90	Weighted Average
277		14.06% Pervious Area
1,693		85.94% Impervious Area

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

Summary for Subcatchment H18: SF #18

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,196 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,419	98	Roofs, HSG A
321	39	>75% Grass cover, Good, HSG A
2,740	91	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment H19: SF #19

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,062 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG A
290	39	>75% Grass cover, Good, HSG A
2,433	91	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H2: SF #2

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 857 cf, Depth> 5.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H20: SF #20

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 820 cf, Depth> 5.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
1,085	98	Roofs, HSG A
214	39	>75% Grass cover, Good, HSG A
546	98	Roofs, HSG C
76	74	>75% Grass cover, Good, HSG C
1,921	90	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H21: SF #21

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 856 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
793	98	Roofs, HSG A
190	39	>75% Grass cover, Good, HSG A
900	98	Roofs, HSG C
78	74	>75% Grass cover, Good, HSG C
1,961	91	Weighted Average
268		13.67% Pervious Area
1,693		86.33% Impervious Area

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

Summary for Subcatchment H22: SF #22

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,608 cf, Depth> 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment H23: SF #23

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H24: SF #24

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H25: SF #25

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H26: SF #26

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H27: SF #27

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment H28: SF #28

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H29: SF #29

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
273	74	>75% Grass cover, Good, HSG C
2,335	95	Weighted Average
273		11.69% Pervious Area
2,062		88.31% Impervious Area

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

Summary for Subcatchment H3: SF #3

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment H30: SF #30

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,301 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
322	74	>75% Grass cover, Good, HSG C
2,741	95	Weighted Average
322		11.75% Pervious Area
2,419		88.25% Impervious Area

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

Summary for Subcatchment H31: SF #31

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,304 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
329	74	>75% Grass cover, Good, HSG C
2,748	95	Weighted Average
329		11.97% Pervious Area
2,419		88.03% Impervious Area

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

Summary for Subcatchment H32: SF #32

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H33: SF #33

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 893 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H34: SF #34

Runoff = 0.56 cfs @ 12.09 hrs, Volume= 1,945 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment H35: SF #35

Runoff = 0.56 cfs @ 12.09 hrs, Volume= 1,945 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

Summary for Subcatchment H36: SF #36

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,608 cf, Depth> 5.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
355	98	Roofs, HSG B
107	61	>75% Grass cover, Good, HSG B
2,680	98	Roofs, HSG C
178	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H37: SF #37

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,577 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

Summary for Subcatchment H38: SF #38

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H39: SF #39

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment H4: SF #4

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H40: SF #40

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H41: SF #41

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment H42: SF #42

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,131 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H43: SF #43

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H44: SF #44

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H45: SF #45

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H46: SF #46

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,577 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment H47: SF #47

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 857 cf, Depth> 5.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H48: SF #48

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,131 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H5: SF #5

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment H6: SF #6

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
300	74	>75% Grass cover, Good, HSG C
2,443	95	Weighted Average
300		12.28% Pervious Area
2,143		87.72% Impervious Area

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

Summary for Subcatchment H7: SF #7

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 893 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H8: SF #8

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H9: SF #9

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment S201: SUMMER STREET ACCESS APRON

Runoff = 1.50 cfs @ 12.09 hrs, Volume= 5,048 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,253	61	>75% Grass cover, Good, HSG B
9,313	98	Paved parking, HSG B
11,566	91	Weighted Average
2,253		19.48% Pervious Area
9,313		80.52% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 26.14 cfs @ 12.30 hrs, Volume= 123,568 cf, Depth> 3.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
135,263	61	>75% Grass cover, Good, HSG B
62,748	55	Woods, Good, HSG B
14,088	98	Paved parking, HSG B
5,771	74	>75% Grass cover, Good, HSG C
12,909	70	Woods, Good, HSG C
127	98	Water Surface, 0% imp, HSG C
516	80	>75% Grass cover, Good, HSG D
167,325	98	Water Surface, 0% imp, HSG D
398,747	77	Weighted Average
384,659		96.47% Pervious Area
14,088		3.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.2	50	0.0600	0.16		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
1.9	192	0.0600	1.71		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
2.8	314	0.0700	1.85		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
11.6	493	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
21.5	1,049	Total			

Summary for Subcatchment S203: INFILTRATION POND #1

Runoff = 3.80 cfs @ 12.09 hrs, Volume= 12,000 cf, Depth> 3.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
19,898	61	>75% Grass cover, Good, HSG B
3,654	98	Water Surface, 0% imp, HSG B
3,247	98	Paved parking, HSG B
3,556	74	>75% Grass cover, Good, HSG C
8,247	98	Water Surface, 0% imp, HSG C
38,602	77	Weighted Average
35,355		91.59% Pervious Area
3,247		8.41% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 18.00 cfs @ 12.31 hrs, Volume= 86,969 cf, Depth> 3.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
40,469	61	>75% Grass cover, Good, HSG B
14,815	55	Woods, Good, HSG B
66,293	74	>75% Grass cover, Good, HSG C
42,142	70	Woods, Good, HSG C
4,299	80	>75% Grass cover, Good, HSG D
2,509	77	Woods, Good, HSG D
95,456	98	Water Surface, 0% imp, HSG D
265,983	79	Weighted Average
265,983		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.2000	0.26		Sheet Flow,
					Grass: Dense n= 0.240 P2= 3.27"
19.4	582	0.0100	0.50		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
22.6	632	Total			

Summary for Subcatchment S205: ISOLATED WETLAND

Runoff = 4.25 cfs @ 12.09 hrs, Volume= 13,401 cf, Depth> 3.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
7,234	39	>75% Grass cover, Good, HSG A
1,627	30	Woods, Good, HSG A
2,467	74	>75% Grass cover, Good, HSG C
1,830	70	Woods, Good, HSG C
10,692	80	>75% Grass cover, Good, HSG D
14,269	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
46,924	74	Weighted Average
46,924		100.00% Pervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment S206: OVERLAND FLOW

Runoff = 30.06 cfs @ 12.28 hrs, Volume= 138,921 cf, Depth> 2.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
49,064	39	>75% Grass cover, Good, HSG A
111,670	30	Woods, Good, HSG A
31,970	30	Brush, Good, HSG A
17,564	61	>75% Grass cover, Good, HSG B
8,414	55	Woods, Good, HSG B
89,440	74	>75% Grass cover, Good, HSG C
100,462	70	Woods, Good, HSG C
9,272	80	>75% Grass cover, Good, HSG D
121,036	77	Woods, Good, HSG D
114,002	98	Water Surface, 0% imp, HSG D
652,894	65	Weighted Average
652,894		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.9	50	0.2000	0.17		Sheet Flow,
					Woods: Light underbrush n= 0.400 P2= 3.27"
14.3	745	0.0300	0.87		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
19.2	795	Total			

Summary for Subcatchment S207: INFILTRATION POND #2

Runoff = 2.66 cfs @ 12.09 hrs, Volume= 8,486 cf, Depth> 4.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
621	39	>75% Grass cover, Good, HSG A
217	98	Water Surface, 0% imp, HSG A
14,212	74	>75% Grass cover, Good, HSG C
8,902	98	Water Surface, 0% imp, HSG C
23,952	82	Weighted Average
23,952		100.00% Pervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment S208:

Runoff = 1.30 cfs @ 12.09 hrs, Volume= 4,114 cf, Depth> 3.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
661	39	>75% Grass cover, Good, HSG A
14,628	74	>75% Grass cover, Good, HSG C
15,289	72	Weighted Average
15,289		100.00% Pervious Area

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

Summary for Subcatchment S209: WETLAND C

Runoff = 4.80 cfs @ 12.56 hrs, Volume= 29,913 cf, Depth> 3.30"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
17,078	39	>75% Grass cover, Good, HSG A
10,863	30	Woods, Good, HSG A
15,531	74	>75% Grass cover, Good, HSG C
21,139	70	Woods, Good, HSG C
44,067	98	Water Surface, 0% imp, HSG D
108,678	73	Weighted Average
108,678		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.2	50	0.0050	0.04		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
18.6	557	0.0100	0.50		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
39.8	607	Total			

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment S210: INFILTRATION POND #1

Runoff = 9.91 cfs @ 12.22 hrs, Volume= 42,696 cf, Depth> 4.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,124	39	>75% Grass cover, Good, HSG A
1,222	98	Paved parking, HSG A
637	98	Water Surface, 0% imp, HSG A
61,928	74	>75% Grass cover, Good, HSG C
23,694	98	Paved parking, HSG C
25,355	98	Water Surface, 0% imp, HSG C
114,960	84	Weighted Average
90,044		78.33% Pervious Area
24,916		21.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	50	0.0150	0.13		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
10.3	530	0.0150	0.86		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
16.5	580	Total			

Summary for Subcatchment S211: CUL-DE-SAC POND

Runoff = 2.70 cfs @ 12.31 hrs, Volume= 12,887 cf, Depth> 3.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
6,621	61	>75% Grass cover, Good, HSG B
13,186	55	Woods, Good, HSG B
11,770	74	>75% Grass cover, Good, HSG C
265	70	Woods, Good, HSG C
13,435	98	Water Surface, 0% imp, HSG C
45,277	74	Weighted Average
45,277		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	50	0.0400	0.05		Sheet Flow, Woods: Dense underbrush n= 0.800 P2= 3.27"
0.8	50	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
5.1	428	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
22.0	528	Total			

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment S212: SWALE

Runoff = 2.08 cfs @ 12.26 hrs, Volume= 9,302 cf, Depth> 3.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
8,118	61	>75% Grass cover, Good, HSG B
5,760	55	Woods, Good, HSG B
1,972	74	>75% Grass cover, Good, HSG C
1,769	70	Woods, Good, HSG C
1,463	80	>75% Grass cover, Good, HSG D
11,762	98	Water Surface, 0% imp, HSG D
30,844	76	Weighted Average
30,844		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1	50	0.0050	0.06		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
4.7	100	0.0050	0.35		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.8	150	Total			

Summary for Subcatchment S213: COURTYARD

Runoff = 1.46 cfs @ 12.10 hrs, Volume= 4,691 cf, Depth> 2.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
2,015	39	>75% Grass cover, Good, HSG A
5,689	39	>75% Grass cover, Good, HSG A
6,440	74	>75% Grass cover, Good, HSG C
3,111	98	Paved parking, HSG C
3,861	74	>75% Grass cover, Good, HSG C
858	80	>75% Grass cover, Good, HSG D
21,974	65	Weighted Average
18,863		85.84% Pervious Area
3,111		14.16% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment T1: Trench Drain 1

Runoff = 1.79 cfs @ 12.09 hrs, Volume= 6,018 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,305	74	>75% Grass cover, Good, HSG C
4,068	98	Paved parking, HSG C
3,805	80	>75% Grass cover, Good, HSG D
4,034	98	Paved parking, HSG D
576	98	Roofs, HSG D
13,788	91	Weighted Average
5,110		37.06% Pervious Area
8,678		62.94% Impervious Area

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

Summary for Subcatchment T2: Drive Under B2

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,432 cf, Depth> 3.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
1,582	39	>75% Grass cover, Good, HSG A
2,404	98	Paved parking, HSG A
78	74	>75% Grass cover, Good, HSG C
543	98	Paved parking, HSG C
4,607	77	Weighted Average
1,660		36.03% Pervious Area
2,947		63.97% Impervious Area

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

Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 0.79 cfs @ 12.09 hrs, Volume= 2,721 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH10: TOWN HOUSE #10

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

Summary for Subcatchment TH11: TOWN HOUSE #11

Runoff = 0.79 cfs @ 12.09 hrs, Volume= 2,777 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
687	74	>75% Grass cover, Good, HSG C
5,851	95	Weighted Average
687		11.74% Pervious Area
5,164		88.26% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment TH2: TOWN HOUSE #2

Runoff = 0.79 cfs @ 12.09 hrs, Volume= 2,721 cf, Depth> 5.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH3: TOWN HOUSE #3

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,625 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,016	98	Roofs, HSG C
407	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
407		11.89% Pervious Area
3,016		88.11% Impervious Area

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

Summary for Subcatchment TH4: TOWN HOUSE #4

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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Type III 24-hr 25YR Rainfall=6.29"

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

Summary for Subcatchment TH5: TOWN HOUSE #5

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,625 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,017	98	Roofs, HSG C
406	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
406		11.86% Pervious Area
3,017		88.14% Impervious Area

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

Summary for Subcatchment TH6: TOWN HOUSE #6

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,013 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH7: TOWN HOUSE #7

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,013 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

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Type III 24-hr 25YR Rainfall=6.29"

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Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH8: TOWN HOUSE #8

Runoff = 0.79 cfs @ 12.09 hrs, Volume= 2,778 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
688	74	>75% Grass cover, Good, HSG C
5,852	95	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH9: TOWN HOUSE #9

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf, Depth> 5.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25YR Rainfall=6.29"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.77% Impervious, Inflow Depth = 1.70" for 25YR event
Inflow = 1.14 cfs @ 12.17 hrs, Volume= 1,714 cf
Outflow = 0.04 cfs @ 13.41 hrs, Volume= 995 cf, Atten= 97%, Lag= 74.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 653.7 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 803.3 min

Peak Storage= 1,499 cf @ 13.41 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.22'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 22.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 1,350.0' Slope= 0.0133 ' '
Inlet Invert= 218.00', Outlet Invert= 200.00'



Summary for Reach 2R: OVERLAND FLOW

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth = 1.71" for 25YR event
Inflow = 0.23 cfs @ 12.17 hrs, Volume= 348 cf
Outflow = 0.01 cfs @ 13.56 hrs, Volume= 202 cf, Atten= 97%, Lag= 83.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 802.4 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 802.4 min

Peak Storage= 309 cf @ 13.56 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.07'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 21.45 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 925.0' Slope= 0.0124 ' '
Inlet Invert= 211.50', Outlet Invert= 200.00'



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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,994 sf, 87.37% Impervious, Inflow Depth = 1.65" for 25YR event
Inflow = 0.64 cfs @ 12.17 hrs, Volume= 963 cf
Outflow = 0.08 cfs @ 12.72 hrs, Volume= 893 cf, Atten= 87%, Lag= 32.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.05 fps, Min. Travel Time= 145.4 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 262.0 min

Peak Storage= 702 cf @ 12.72 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 40.37'
Bank-Full Depth= 1.00' Flow Area= 45.0 sf, Capacity= 20.48 cfs

40.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 50.00'
Length= 475.0' Slope= 0.0174 ' '
Inlet Invert= 211.50', Outlet Invert= 203.25'



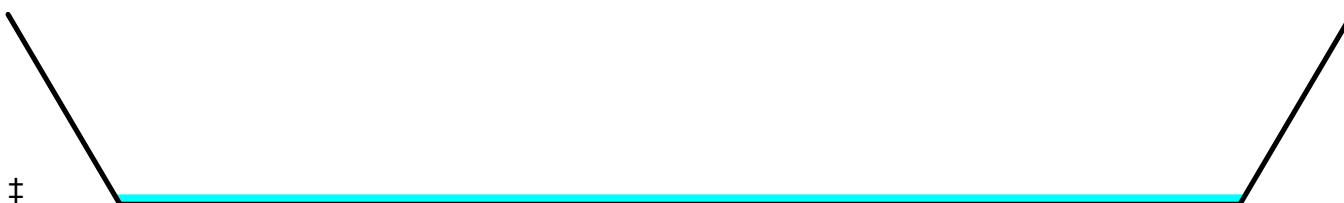
Summary for Reach 4R: OVERLAND FLOW

Inflow Area = 12,678 sf, 88.22% Impervious, Inflow Depth = 1.59" for 25YR event
Inflow = 0.99 cfs @ 12.16 hrs, Volume= 1,678 cf
Outflow = 0.23 cfs @ 12.58 hrs, Volume= 1,638 cf, Atten= 77%, Lag= 25.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.09 fps, Min. Travel Time= 82.3 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 182.4 min

Peak Storage= 1,112 cf @ 12.58 hrs
Average Depth at Peak Storage= 0.05' , Surface Width= 50.52'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.25 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 427.0' Slope= 0.0281 ' '
Inlet Invert= 202.00', Outlet Invert= 190.00'



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Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 8,196 sf, 90.65% Impervious, Inflow Depth = 2.27" for 25YR event
Inflow = 0.75 cfs @ 12.17 hrs, Volume= 1,547 cf
Outflow = 0.10 cfs @ 12.77 hrs, Volume= 1,379 cf, Atten= 87%, Lag= 36.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.06 fps, Min. Travel Time= 187.1 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 308.1 min

Peak Storage= 1,122 cf @ 12.77 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.32'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.07 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 690.0' Slope= 0.0261 ' / '
Inlet Invert= 204.00', Outlet Invert= 186.00'



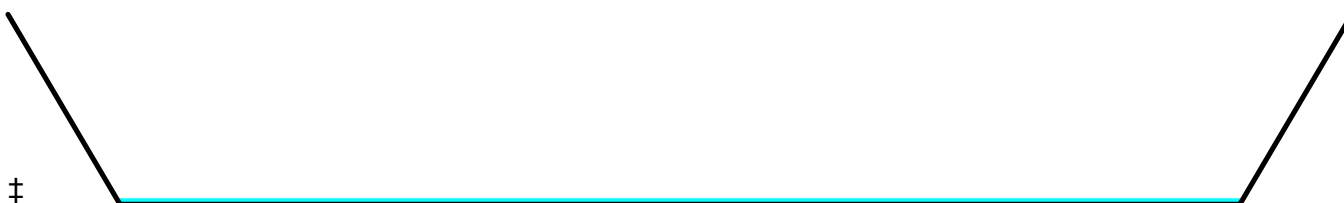
Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 7,824 sf, 88.19% Impervious, Inflow Depth = 1.98" for 25YR event
Inflow = 0.78 cfs @ 12.16 hrs, Volume= 1,292 cf
Outflow = 0.11 cfs @ 12.68 hrs, Volume= 1,202 cf, Atten= 86%, Lag= 31.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.07 fps, Min. Travel Time= 149.6 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 258.9 min

Peak Storage= 946 cf @ 12.68 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.32'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 33.60 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 590.0' Slope= 0.0305 ' / '
Inlet Invert= 204.00', Outlet Invert= 186.00'



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Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 16,679 sf, 87.99% Impervious, Inflow Depth = 0.98" for 25YR event
Inflow = 0.98 cfs @ 12.19 hrs, Volume= 1,363 cf
Outflow = 0.30 cfs @ 12.52 hrs, Volume= 1,353 cf, Atten= 69%, Lag= 19.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.14 fps, Min. Travel Time= 46.1 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 133.7 min

Peak Storage= 831 cf @ 12.52 hrs
Average Depth at Peak Storage= 0.09' , Surface Width= 25.86'
Bank-Full Depth= 1.00' Flow Area= 30.0 sf, Capacity= 19.23 cfs

25.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 35.00'
Length= 380.0' Slope= 0.0368 ' '
Inlet Invert= 200.00', Outlet Invert= 186.00'



Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 19,585 sf, 88.78% Impervious, Inflow Depth = 2.40" for 25YR event
Inflow = 2.24 cfs @ 12.13 hrs, Volume= 3,920 cf
Outflow = 1.08 cfs @ 12.32 hrs, Volume= 3,914 cf, Atten= 52%, Lag= 11.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.15 fps, Min. Travel Time= 27.3 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 98.4 min

Peak Storage= 1,764 cf @ 12.32 hrs
Average Depth at Peak Storage= 0.14' , Surface Width= 51.39'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 29.80 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 250.0' Slope= 0.0240 ' '
Inlet Invert= 202.00', Outlet Invert= 196.00'



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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Reach 13R: OVERLAND FLOW

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth = 2.31" for 25YR event
Inflow = 0.60 cfs @ 12.15 hrs, Volume= 1,129 cf
Outflow = 0.06 cfs @ 12.84 hrs, Volume= 933 cf, Atten= 91%, Lag= 41.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.04 fps, Min. Travel Time= 263.4 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 399.9 min

Peak Storage= 894 cf @ 12.84 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.27'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 23.68 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 660.0' Slope= 0.0152 ' '
Inlet Invert= 206.00', Outlet Invert= 196.00'



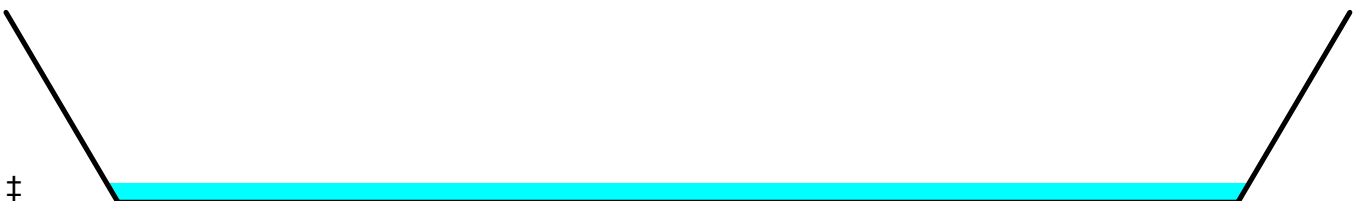
Summary for Reach 14R: OVERLAND FLOW

Inflow Area = 39,453 sf, 18.93% Impervious, Inflow Depth > 3.16" for 25YR event
Inflow = 2.71 cfs @ 12.23 hrs, Volume= 10,387 cf
Outflow = 0.66 cfs @ 12.79 hrs, Volume= 9,316 cf, Atten= 75%, Lag= 33.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.13 fps, Min. Travel Time= 121.5 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 244.2 min

Peak Storage= 4,849 cf @ 12.79 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 51.02'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.74 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 940.0' Slope= 0.0255 ' '
Inlet Invert= 210.00', Outlet Invert= 186.00'



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Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 3.61" for 25YR event
Inflow = 3.54 cfs @ 12.45 hrs, Volume= 33,520 cf
Outflow = 3.12 cfs @ 12.82 hrs, Volume= 32,830 cf, Atten= 12%, Lag= 22.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.22 fps, Min. Travel Time= 22.8 min
Avg. Velocity = 0.11 fps, Avg. Travel Time= 46.3 min

Peak Storage= 4,269 cf @ 12.82 hrs
Average Depth at Peak Storage= 0.28' , Surface Width= 52.77'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 27.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 300.0' Slope= 0.0200 ' / '
Inlet Invert= 202.00', Outlet Invert= 196.00'



Summary for Reach 16R: OVERLAND FLOW

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth = 2.61" for 25YR event
Inflow = 0.34 cfs @ 12.15 hrs, Volume= 723 cf
Outflow = 0.01 cfs @ 13.61 hrs, Volume= 443 cf, Atten= 96%, Lag= 87.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 721.5 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 733.2 min

Peak Storage= 610 cf @ 13.61 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.10'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.42 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 1,200.0' Slope= 0.0250 ' / '
Inlet Invert= 216.00', Outlet Invert= 186.00'



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Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 1.91" for 25YR event
Inflow = 3.97 cfs @ 12.87 hrs, Volume= 48,201 cf
Outflow = 3.78 cfs @ 12.97 hrs, Volume= 47,664 cf, Atten= 5%, Lag= 6.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.31 fps, Min. Travel Time= 6.5 min
Avg. Velocity = 0.18 fps, Avg. Travel Time= 11.2 min

Peak Storage= 1,477 cf @ 12.97 hrs
Average Depth at Peak Storage= 0.24' , Surface Width= 54.70'
Bank-Full Depth= 1.00' Flow Area= 60.0 sf, Capacity= 44.93 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 10.0 ' / ' Top Width= 70.00'
Length= 120.0' Slope= 0.0500 ' / '
Inlet Invert= 192.00', Outlet Invert= 186.00'



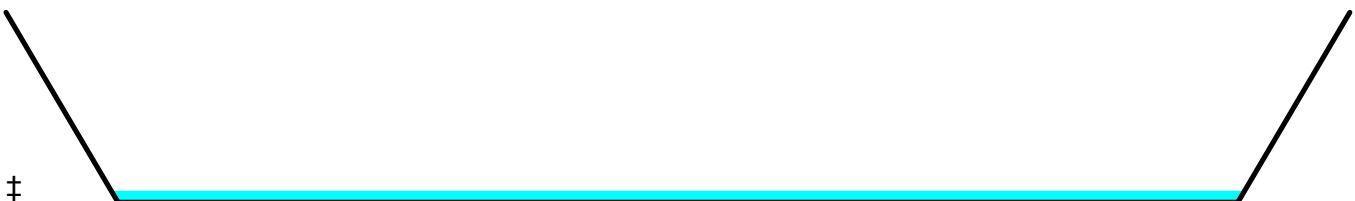
Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth = 1.17" for 25YR event
Inflow = 0.58 cfs @ 12.62 hrs, Volume= 3,769 cf
Outflow = 0.17 cfs @ 14.48 hrs, Volume= 3,360 cf, Atten= 71%, Lag= 111.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.06 fps, Min. Travel Time= 168.8 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 241.5 min

Peak Storage= 1,718 cf @ 14.48 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 50.61'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 18.54 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 560.0' Slope= 0.0093 ' / '
Inlet Invert= 200.00', Outlet Invert= 194.80'



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Summary for Reach 21R: TRENCH DRAIN

[52] Hint: Inlet/Outlet conditions not evaluated

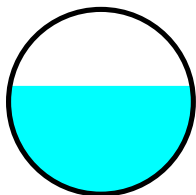
[90] Warning: Qout>Qin may require smaller dt or Finer Routing

Inflow Area = 13,788 sf, 62.94% Impervious, Inflow Depth > 5.24" for 25YR event
Inflow = 1.79 cfs @ 12.09 hrs, Volume= 6,018 cf
Outflow = 1.80 cfs @ 12.09 hrs, Volume= 6,017 cf, Atten= 0%, Lag= 0.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 3.76 fps, Min. Travel Time= 0.3 min
Avg. Velocity= 1.29 fps, Avg. Travel Time= 0.8 min

Peak Storage= 31 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.59' , Surface Width= 0.99'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.78 cfs

12.0" Round Pipe
n= 0.012 Corrugated PP, smooth interior
Length= 65.7' Slope= 0.0052 '/
Inlet Invert= 197.34', Outlet Invert= 197.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 1.72" for 25YR event
Inflow = 5.81 cfs @ 12.88 hrs, Volume= 60,917 cf
Outflow = 5.39 cfs @ 13.11 hrs, Volume= 60,259 cf, Atten= 7%, Lag= 14.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.18 fps, Min. Travel Time= 16.9 min
Avg. Velocity= 0.08 fps, Avg. Travel Time= 37.2 min

Peak Storage= 5,473 cf @ 13.11 hrs
Average Depth at Peak Storage= 0.51' , Surface Width= 70.23'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 18.32 cfs

50.00' x 1.00' deep channel, n= 0.800 Sheet flow: Woods+dense brush (invasives)
Side Slope Z-value= 20.0 '/ Top Width= 90.00'
Length= 180.0' Slope= 0.0278 '/
Inlet Invert= 193.00', Outlet Invert= 188.00'

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Summary for Reach R202: OVERLAND FLOW

Inflow Area = 398,747 sf, 3.53% Impervious, Inflow Depth > 3.72" for 25YR event
Inflow = 26.14 cfs @ 12.30 hrs, Volume= 123,568 cf
Outflow = 13.11 cfs @ 12.65 hrs, Volume= 118,127 cf, Atten= 50%, Lag= 21.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.23 fps, Min. Travel Time= 50.0 min
Avg. Velocity = 0.09 fps, Avg. Travel Time= 123.7 min

Peak Storage= 39,363 cf @ 12.65 hrs
Average Depth at Peak Storage= 0.50' , Surface Width= 124.99'
Bank-Full Depth= 1.00' Flow Area= 125.0 sf, Capacity= 43.95 cfs

100.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 25.0 ' / ' Top Width= 150.00'
Length= 700.0' Slope= 0.0114 ' / '
Inlet Invert= 206.00', Outlet Invert= 198.00'



Summary for Reach R211: OVERLAND FLOW

Inflow Area = 273,385 sf, 52.58% Impervious, Inflow Depth = 1.19" for 25YR event
Inflow = 7.87 cfs @ 12.50 hrs, Volume= 27,181 cf
Outflow = 2.51 cfs @ 13.25 hrs, Volume= 26,623 cf, Atten= 68%, Lag= 44.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.15 fps, Min. Travel Time= 68.3 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 145.3 min

Peak Storage= 10,280 cf @ 13.25 hrs
Average Depth at Peak Storage= 0.31' , Surface Width= 62.21'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 20.47 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 20.0 ' / ' Top Width= 90.00'
Length= 600.0' Slope= 0.0087 ' / '
Inlet Invert= 200.00', Outlet Invert= 194.80'

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**Summary for Pond 19R: DRIVEWAY D CROSS PIPE**

[62] Hint: Exceeded Reach 20R OUTLET depth by 0.42' @ 12.85 hrs

[62] Hint: Exceeded Reach R211 OUTLET depth by 0.15' @ 12.85 hrs

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 1.73" for 25YR event
 Inflow = 6.43 cfs @ 12.68 hrs, Volume= 61,328 cf
 Outflow = 5.81 cfs @ 12.88 hrs, Volume= 60,917 cf, Atten= 10%, Lag= 12.0 min
 Primary = 5.81 cfs @ 12.88 hrs, Volume= 60,917 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 195.25' @ 12.88 hrs Surf.Area= 5,751 sf Storage= 4,714 cf

Plug-Flow detention time= 17.5 min calculated for 60,790 cf (99% of inflow)
 Center-of-Mass det. time= 13.9 min (884.7 - 870.9)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	35,460 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	1,800	0	0
196.00	8,130	9,930	9,930
198.00	17,400	25,530	35,460

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	24.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.80 cfs @ 12.88 hrs HW=195.25' TW=193.48' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 5.80 cfs @ 4.02 fps)

Summary for Pond CB1: CB#1

Inflow Area = 27,330 sf, 31.14% Impervious, Inflow Depth > 3.22" for 25YR event
 Inflow = 1.74 cfs @ 12.22 hrs, Volume= 7,338 cf
 Outflow = 1.74 cfs @ 12.22 hrs, Volume= 7,338 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.74 cfs @ 12.22 hrs, Volume= 7,338 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.71' @ 12.22 hrs
 Flood Elev= 211.00'

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Device	Routing	Invert	Outlet Devices
#1	Primary	207.83'	12.0" Round Culvert L= 14.1' Ke= 0.500 Inlet / Outlet Invert= 207.83' / 207.76' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.72 cfs @ 12.22 hrs HW=208.70' TW=207.74' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.72 cfs @ 3.15 fps)**Summary for Pond CB10: CB #10**

Inflow Area = 9,925 sf, 94.45% Impervious, Inflow Depth > 5.93" for 25YR event
 Inflow = 1.37 cfs @ 12.09 hrs, Volume= 4,904 cf
 Outflow = 1.37 cfs @ 12.09 hrs, Volume= 4,904 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.37 cfs @ 12.09 hrs, Volume= 4,904 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.62' @ 12.09 hrs

Flood Elev= 212.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.76'	12.0" Round Culvert L= 33.8' Ke= 0.500 Inlet / Outlet Invert= 209.76' / 209.59' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.33 cfs @ 12.09 hrs HW=210.60' TW=210.36' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.33 cfs @ 2.55 fps)**Summary for Pond CB11: CB #11**

Inflow Area = 14,065 sf, 48.61% Impervious, Inflow Depth > 4.68" for 25YR event
 Inflow = 1.69 cfs @ 12.09 hrs, Volume= 5,488 cf
 Outflow = 1.69 cfs @ 12.09 hrs, Volume= 5,488 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.69 cfs @ 12.09 hrs, Volume= 5,488 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.76' @ 12.09 hrs

Flood Elev= 213.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.94'	12.0" Round Culvert L= 26.3' Ke= 0.500 Inlet / Outlet Invert= 209.94' / 209.67' S= 0.0103 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.65 cfs @ 12.09 hrs HW=210.74' TW=210.36' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.65 cfs @ 3.33 fps)

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Summary for Pond CB12: CB #12

Inflow Area = 9,598 sf, 47.53% Impervious, Inflow Depth > 4.57" for 25YR event
 Inflow = 1.13 cfs @ 12.09 hrs, Volume= 3,658 cf
 Outflow = 1.13 cfs @ 12.09 hrs, Volume= 3,658 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.13 cfs @ 12.09 hrs, Volume= 3,658 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.37' @ 12.09 hrs

Flood Elev= 212.86'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.10 cfs @ 12.09 hrs HW=210.36' TW=207.29' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.10 cfs @ 2.81 fps)**Summary for Pond CB13: CB #13**

Inflow Area = 7,833 sf, 70.99% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 1.02 cfs @ 12.09 hrs, Volume= 3,419 cf
 Outflow = 1.02 cfs @ 12.09 hrs, Volume= 3,419 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.02 cfs @ 12.09 hrs, Volume= 3,419 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.33' @ 12.09 hrs

Flood Elev= 212.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0048 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.99 cfs @ 12.09 hrs HW=210.32' TW=207.29' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.99 cfs @ 2.72 fps)**Summary for Pond CB14: CB #14**

Inflow Area = 12,504 sf, 71.98% Impervious, Inflow Depth > 4.36" for 25YR event
 Inflow = 1.42 cfs @ 12.09 hrs, Volume= 4,541 cf
 Outflow = 1.42 cfs @ 12.09 hrs, Volume= 4,541 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.42 cfs @ 12.09 hrs, Volume= 4,541 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.77' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 23.2' Ke= 0.500

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Inlet / Outlet Invert= 200.79' / 200.67' S= 0.0052 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.38 cfs @ 12.09 hrs HW=201.75' TW=201.58' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.38 cfs @ 2.28 fps)

Summary for Pond CB15: CB #15

Inflow Area = 4,895 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.68 cfs @ 12.09 hrs, Volume= 2,467 cf
 Outflow = 0.68 cfs @ 12.09 hrs, Volume= 2,467 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.68 cfs @ 12.09 hrs, Volume= 2,467 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.65' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 200.79' / 200.71' S= 0.0051 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.66 cfs @ 12.09 hrs HW=201.63' TW=201.58' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.66 cfs @ 1.27 fps)

Summary for Pond CB16: CB #16

Inflow Area = 8,326 sf, 65.96% Impervious, Inflow Depth > 4.04" for 25YR event
 Inflow = 0.88 cfs @ 12.09 hrs, Volume= 2,804 cf
 Outflow = 0.88 cfs @ 12.09 hrs, Volume= 2,804 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.88 cfs @ 12.09 hrs, Volume= 2,804 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.03' @ 12.09 hrs

Flood Elev= 206.64'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.47'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 203.47' / 203.33' S= 0.0067 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.86 cfs @ 12.09 hrs HW=204.02' TW=203.41' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.86 cfs @ 2.80 fps)

Summary for Pond CB17: CB #17

Inflow Area = 11,309 sf, 74.12% Impervious, Inflow Depth > 5.35" for 25YR event
 Inflow = 1.49 cfs @ 12.09 hrs, Volume= 5,043 cf
 Outflow = 1.49 cfs @ 12.09 hrs, Volume= 5,043 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.49 cfs @ 12.09 hrs, Volume= 5,043 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.09' @ 12.09 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.12'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 205.12' / 205.04' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.45 cfs @ 12.09 hrs HW=206.07' TW=205.89' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.45 cfs @ 2.44 fps)**Summary for Pond CB18: CB #18**

Inflow Area = 24,411 sf, 56.09% Impervious, Inflow Depth > 4.16" for 25YR event
 Inflow = 2.63 cfs @ 12.09 hrs, Volume= 8,466 cf
 Outflow = 2.63 cfs @ 12.09 hrs, Volume= 8,466 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.63 cfs @ 12.09 hrs, Volume= 8,466 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.39' @ 12.09 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	12.0" Round Culvert L= 16.2' Ke= 0.500 Inlet / Outlet Invert= 205.10' / 205.02' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.59 cfs @ 12.09 hrs HW=206.37' TW=205.90' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.59 cfs @ 3.30 fps)**Summary for Pond CB19: CB #19**

Inflow Area = 21,974 sf, 14.16% Impervious, Inflow Depth > 2.56" for 25YR event
 Inflow = 1.46 cfs @ 12.10 hrs, Volume= 4,691 cf
 Outflow = 1.46 cfs @ 12.10 hrs, Volume= 4,691 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.46 cfs @ 12.10 hrs, Volume= 4,691 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.01' @ 12.10 hrs

Flood Elev= 207.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.25'	12.0" Round Culvert L= 61.0' Ke= 0.500 Inlet / Outlet Invert= 203.25' / 202.94' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.45 cfs @ 12.10 hrs HW=204.01' TW=203.47' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.45 cfs @ 3.15 fps)

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Summary for Pond CB2: CB#2

Inflow Area = 18,869 sf, 73.64% Impervious, Inflow Depth > 5.13" for 25YR event
 Inflow = 2.42 cfs @ 12.09 hrs, Volume= 8,059 cf
 Outflow = 2.42 cfs @ 12.09 hrs, Volume= 8,059 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.42 cfs @ 12.09 hrs, Volume= 8,059 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.94' @ 12.09 hrs

Flood Elev= 208.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.86'	12.0" Round Culvert L= 92.1' Ke= 0.500 Inlet / Outlet Invert= 204.86' / 204.40' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.36 cfs @ 12.09 hrs HW=205.92' TW=204.81' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 2.36 cfs @ 3.54 fps)**Summary for Pond CB20: CB #20**

Inflow Area = 15,474 sf, 80.34% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 2.06 cfs @ 12.09 hrs, Volume= 7,048 cf
 Outflow = 2.06 cfs @ 12.09 hrs, Volume= 7,048 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.06 cfs @ 12.09 hrs, Volume= 7,048 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.23' @ 12.09 hrs

Flood Elev= 207.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.97'	12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 203.97' / 203.81' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.01 cfs @ 12.09 hrs HW=205.18' TW=204.89' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 2.01 cfs @ 2.57 fps)**Summary for Pond CB21: CB #21**

Inflow Area = 11,800 sf, 93.49% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 1.59 cfs @ 12.09 hrs, Volume= 5,487 cf
 Outflow = 1.59 cfs @ 12.09 hrs, Volume= 5,487 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.59 cfs @ 12.09 hrs, Volume= 5,487 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.20' @ 12.09 hrs

Flood Elev= 208.02'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.32'	12.0" Round Culvert L= 26.0' Ke= 0.500

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Inlet / Outlet Invert= 204.32' / 204.19' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.55 cfs @ 12.09 hrs HW=205.18' TW=204.89' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.55 cfs @ 2.90 fps)

Summary for Pond CB22: CB #22

Inflow Area = 9,287 sf, 87.71% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 1.27 cfs @ 12.09 hrs, Volume= 4,498 cf
 Outflow = 1.27 cfs @ 12.09 hrs, Volume= 4,498 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.27 cfs @ 12.09 hrs, Volume= 4,498 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.05' @ 12.09 hrs

Flood Elev= 208.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.33'	12.0" Round Culvert L= 16.1' Ke= 0.500 Inlet / Outlet Invert= 205.33' / 205.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.24 cfs @ 12.09 hrs HW=206.03' TW=205.29' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.24 cfs @ 2.94 fps)

Summary for Pond CB23: CB #23

Inflow Area = 3,194 sf, 63.15% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.42 cfs @ 12.09 hrs, Volume= 1,394 cf
 Outflow = 0.42 cfs @ 12.09 hrs, Volume= 1,394 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.42 cfs @ 12.09 hrs, Volume= 1,394 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.79' @ 12.09 hrs

Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.41'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 205.41' / 205.32' S= 0.0055 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=205.78' TW=205.30' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.40 cfs @ 2.27 fps)

Summary for Pond CB24: CB #24

Inflow Area = 2,843 sf, 88.46% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,377 cf
 Outflow = 0.39 cfs @ 12.09 hrs, Volume= 1,377 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.39 cfs @ 12.09 hrs, Volume= 1,377 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.76' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 205.21' / 205.15' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.38 cfs @ 12.09 hrs HW=205.75' TW=205.70' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.38 cfs @ 1.28 fps)**Summary for Pond CB25: CB #25**

Inflow Area = 8,812 sf, 96.03% Impervious, Inflow Depth > 5.93" for 25YR event
 Inflow = 1.21 cfs @ 12.09 hrs, Volume= 4,354 cf
 Outflow = 1.21 cfs @ 12.09 hrs, Volume= 4,354 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.21 cfs @ 12.09 hrs, Volume= 4,354 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.93' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.22'	12.0" Round Culvert L= 11.4' Ke= 0.500 Inlet / Outlet Invert= 205.22' / 205.16' S= 0.0053 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.18 cfs @ 12.09 hrs HW=205.92' TW=205.70' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.18 cfs @ 2.82 fps)**Summary for Pond CB26: CB #26**

Inflow Area = 12,787 sf, 75.08% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 1.72 cfs @ 12.09 hrs, Volume= 5,946 cf
 Outflow = 1.72 cfs @ 12.09 hrs, Volume= 5,946 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.72 cfs @ 12.09 hrs, Volume= 5,946 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.62' @ 12.09 hrs

Flood Elev= 204.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.77'	12.0" Round Culvert L= 42.5' Ke= 0.500 Inlet / Outlet Invert= 201.77' / 201.55' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.67 cfs @ 12.09 hrs HW=202.60' TW=201.63' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.67 cfs @ 3.24 fps)

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Summary for Pond CB27: CB #27

Inflow Area = 8,906 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 1.23 cfs @ 12.09 hrs, Volume= 4,489 cf
 Outflow = 1.23 cfs @ 12.09 hrs, Volume= 4,489 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.23 cfs @ 12.09 hrs, Volume= 4,489 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.83' @ 12.09 hrs

Flood Elev= 204.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.00'	12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 201.00' / 200.90' S= 0.0056 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.20 cfs @ 12.09 hrs HW=201.81' TW=201.63' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.20 cfs @ 2.41 fps)**Summary for Pond CB28: CB #28**

Inflow Area = 10,173 sf, 52.35% Impervious, Inflow Depth > 4.90" for 25YR event
 Inflow = 1.26 cfs @ 12.09 hrs, Volume= 4,156 cf
 Outflow = 1.26 cfs @ 12.09 hrs, Volume= 4,156 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.26 cfs @ 12.09 hrs, Volume= 4,156 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 198.89' @ 12.09 hrs

Flood Elev= 200.92'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.75'	12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 197.75' / 197.69' S= 0.0044 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.23 cfs @ 12.09 hrs HW=198.86' TW=198.76' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.23 cfs @ 1.57 fps)**Summary for Pond CB29: CB #29**

Inflow Area = 6,042 sf, 80.24% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 0.80 cfs @ 12.09 hrs, Volume= 2,752 cf
 Outflow = 0.80 cfs @ 12.09 hrs, Volume= 2,752 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.80 cfs @ 12.09 hrs, Volume= 2,752 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.22' @ 12.09 hrs

Flood Elev= 208.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 13.5' Ke= 0.500

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Inlet / Outlet Invert= 205.38' / 205.31' S= 0.0052 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.78 cfs @ 12.09 hrs HW=206.20' TW=206.14' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.78 cfs @ 1.54 fps)

Summary for Pond CB3: CB#3

Inflow Area = 16,074 sf, 74.25% Impervious, Inflow Depth > 4.90" for 25YR event
 Inflow = 2.00 cfs @ 12.09 hrs, Volume= 6,566 cf
 Outflow = 2.00 cfs @ 12.09 hrs, Volume= 6,566 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.00 cfs @ 12.09 hrs, Volume= 6,566 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.76' @ 12.09 hrs

Flood Elev= 210.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	12.0" Round Culvert L= 10.2' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.74' S= 0.0059 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.95 cfs @ 12.09 hrs HW=208.74' TW=207.70' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.95 cfs @ 3.29 fps)

Summary for Pond CB30: CB #30

Inflow Area = 11,846 sf, 63.21% Impervious, Inflow Depth > 5.01" for 25YR event
 Inflow = 1.50 cfs @ 12.09 hrs, Volume= 4,949 cf
 Outflow = 1.50 cfs @ 12.09 hrs, Volume= 4,949 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.50 cfs @ 12.09 hrs, Volume= 4,949 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.34' @ 12.09 hrs

Flood Elev= 208.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 205.38' / 205.29' S= 0.0051 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.46 cfs @ 12.09 hrs HW=206.32' TW=206.14' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.46 cfs @ 2.47 fps)

Summary for Pond CB31: CB #31

Inflow Area = 13,042 sf, 58.40% Impervious, Inflow Depth > 4.90" for 25YR event
 Inflow = 1.62 cfs @ 12.09 hrs, Volume= 5,328 cf
 Outflow = 1.62 cfs @ 12.09 hrs, Volume= 5,328 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.62 cfs @ 12.09 hrs, Volume= 5,328 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.03' @ 12.09 hrs

Flood Elev= 207.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.4' Ke= 0.500 Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 ' S= 0.0049 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.58 cfs @ 12.09 hrs HW=205.02' TW=204.48' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.58 cfs @ 3.09 fps)**Summary for Pond CB32: CB #32**

Inflow Area = 10,868 sf, 65.38% Impervious, Inflow Depth > 5.13" for 25YR event
 Inflow = 1.39 cfs @ 12.09 hrs, Volume= 4,642 cf
 Outflow = 1.39 cfs @ 12.09 hrs, Volume= 4,642 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.39 cfs @ 12.09 hrs, Volume= 4,642 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.96' @ 12.09 hrs

Flood Elev= 207.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 ' S= 0.0049 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.36 cfs @ 12.09 hrs HW=204.94' TW=204.48' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.36 cfs @ 2.97 fps)**Summary for Pond CB33: CB #33**

Inflow Area = 4,342 sf, 79.50% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 1,978 cf
 Outflow = 0.58 cfs @ 12.09 hrs, Volume= 1,978 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.58 cfs @ 12.09 hrs, Volume= 1,978 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.86' @ 12.09 hrs

Flood Elev= 208.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.28'	12.0" Round Culvert L= 11.7' Ke= 0.500 Inlet / Outlet Invert= 205.28' / 205.22' S= 0.0051 ' S= 0.0051 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.56 cfs @ 12.09 hrs HW=205.85' TW=205.75' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.56 cfs @ 1.77 fps)

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Summary for Pond CB34: CB #34

Inflow Area = 5,967 sf, 75.68% Impervious, Inflow Depth > 5.35" for 25YR event
 Inflow = 0.79 cfs @ 12.09 hrs, Volume= 2,661 cf
 Outflow = 0.79 cfs @ 12.09 hrs, Volume= 2,661 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.79 cfs @ 12.09 hrs, Volume= 2,661 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.89' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 205.21' / 205.13' S= 0.0048 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.76 cfs @ 12.09 hrs HW=205.87' TW=205.75' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 0.76 cfs @ 1.96 fps)**Summary for Pond CB35: CB #35**

Inflow Area = 2,891 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.40 cfs @ 12.09 hrs, Volume= 1,457 cf
 Outflow = 0.40 cfs @ 12.09 hrs, Volume= 1,457 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.40 cfs @ 12.09 hrs, Volume= 1,457 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.44' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 15.2' Ke= 0.500 Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.39 cfs @ 12.09 hrs HW=207.43' TW=207.28' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 0.39 cfs @ 2.05 fps)**Summary for Pond CB36: CB #36**

Inflow Area = 6,229 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,139 cf
 Outflow = 0.86 cfs @ 12.09 hrs, Volume= 3,139 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.86 cfs @ 12.09 hrs, Volume= 3,139 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.62' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 16.1' Ke= 0.500

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Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=207.61' TW=207.28' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.84 cfs @ 2.62 fps)

Summary for Pond CB37: CB #37

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 5.93" for 25YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 589 cf
 Outflow = 0.16 cfs @ 12.09 hrs, Volume= 589 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.16 cfs @ 12.09 hrs, Volume= 589 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.27' @ 12.09 hrs

Flood Elev= 212.66'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.07'	12.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 209.07' / 208.31' S= 0.0098 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.16 cfs @ 12.09 hrs HW=209.27' TW=208.42' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.16 cfs @ 2.20 fps)

Summary for Pond CB38: CB #38

Inflow Area = 21,247 sf, 76.54% Impervious, Inflow Depth > 5.01" for 25YR event
 Inflow = 2.68 cfs @ 12.09 hrs, Volume= 8,876 cf
 Outflow = 2.68 cfs @ 12.09 hrs, Volume= 8,876 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.68 cfs @ 12.09 hrs, Volume= 8,876 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.84' @ 12.09 hrs

Flood Elev= 212.94'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.77'	12.0" Round Culvert L= 22.4' Ke= 0.500 Inlet / Outlet Invert= 209.77' / 209.56' S= 0.0094 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.62 cfs @ 12.09 hrs HW=210.82' TW=209.54' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.62 cfs @ 3.94 fps)

Summary for Pond CB39: CB #39

Inflow Area = 7,773 sf, 98.44% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 1.07 cfs @ 12.09 hrs, Volume= 3,918 cf
 Outflow = 1.07 cfs @ 12.09 hrs, Volume= 3,918 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.07 cfs @ 12.09 hrs, Volume= 3,918 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.37' @ 12.09 hrs

Flood Elev= 212.88'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.72'	12.0" Round Culvert L= 17.3' Ke= 0.500 Inlet / Outlet Invert= 209.72' / 209.63' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.05 cfs @ 12.09 hrs HW=210.36' TW=209.53' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.05 cfs @ 2.80 fps)**Summary for Pond CB4: CB#4**

Inflow Area = 43,215 sf, 22.90% Impervious, Inflow Depth > 2.93" for 25YR event
 Inflow = 2.22 cfs @ 12.31 hrs, Volume= 10,543 cf
 Outflow = 2.22 cfs @ 12.31 hrs, Volume= 10,543 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.22 cfs @ 12.31 hrs, Volume= 10,543 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.93' @ 12.31 hrs

Flood Elev= 215.19'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.02'	15.0" Round Culvert L= 13.1' Ke= 0.500 Inlet / Outlet Invert= 212.02' / 211.96' S= 0.0046 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.21 cfs @ 12.31 hrs HW=212.92' TW=212.20' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 2.21 cfs @ 3.25 fps)**Summary for Pond CB40: CB #40**

Inflow Area = 4,552 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,294 cf
 Outflow = 0.63 cfs @ 12.09 hrs, Volume= 2,294 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.63 cfs @ 12.09 hrs, Volume= 2,294 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.53' @ 12.09 hrs

Flood Elev= 216.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.68'	12.0" Round Culvert L= 26.7' Ke= 0.500 Inlet / Outlet Invert= 213.68' / 213.55' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.61 cfs @ 12.09 hrs HW=214.50' TW=214.45' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.61 cfs @ 1.20 fps)

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Summary for Pond CB41: CB #41

Inflow Area = 12,750 sf, 69.28% Impervious, Inflow Depth > 4.79" for 25YR event
 Inflow = 1.56 cfs @ 12.09 hrs, Volume= 5,091 cf
 Outflow = 1.56 cfs @ 12.09 hrs, Volume= 5,091 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.56 cfs @ 12.09 hrs, Volume= 5,091 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.74' @ 12.09 hrs

Flood Elev= 217.06'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.89'	12.0" Round Culvert L= 18.4' Ke= 0.500 Inlet / Outlet Invert= 213.89' / 213.80' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.52 cfs @ 12.09 hrs HW=214.72' TW=214.46' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.52 cfs @ 2.94 fps)**Summary for Pond CB42: CB #42**

Inflow Area = 11,269 sf, 36.46% Impervious, Inflow Depth > 3.43" for 25YR event
 Inflow = 1.02 cfs @ 12.09 hrs, Volume= 3,218 cf
 Outflow = 1.02 cfs @ 12.09 hrs, Volume= 3,218 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.02 cfs @ 12.09 hrs, Volume= 3,218 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.48' @ 12.09 hrs

Flood Elev= 221.08'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.91'	12.0" Round Culvert L= 58.1' Ke= 0.500 Inlet / Outlet Invert= 217.91' / 217.47' S= 0.0076 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=218.47' TW=217.86' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.00 cfs @ 3.20 fps)**Summary for Pond CB43: CB #43**

Inflow Area = 4,084 sf, 81.61% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.53 cfs @ 12.09 hrs, Volume= 1,783 cf
 Outflow = 0.53 cfs @ 12.09 hrs, Volume= 1,783 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.53 cfs @ 12.09 hrs, Volume= 1,783 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.53' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500

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Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.52 cfs @ 12.09 hrs HW=220.52' TW=220.41' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.52 cfs @ 1.84 fps)

Summary for Pond CB44: CB #44

Inflow Area = 1,662 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 838 cf
 Outflow = 0.23 cfs @ 12.09 hrs, Volume= 838 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.23 cfs @ 12.09 hrs, Volume= 838 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.45' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500 Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.09 hrs HW=220.44' TW=220.41' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.22 cfs @ 0.99 fps)

Summary for Pond CB45: CB #45

Inflow Area = 2,109 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 1,063 cf
 Outflow = 0.29 cfs @ 12.09 hrs, Volume= 1,063 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.29 cfs @ 12.09 hrs, Volume= 1,063 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.61' @ 12.09 hrs

Flood Elev= 224.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.29'	12.0" Round Culvert L= 18.2' Ke= 0.500 Inlet / Outlet Invert= 221.29' / 221.20' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.09 hrs HW=221.61' TW=221.32' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.28 cfs @ 1.99 fps)

Summary for Pond CB46: CB #46

Inflow Area = 1,371 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 691 cf
 Outflow = 0.19 cfs @ 12.09 hrs, Volume= 691 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.19 cfs @ 12.09 hrs, Volume= 691 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.79' @ 12.09 hrs

Flood Elev= 224.69'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.53'	12.0" Round Culvert L= 15.3' Ke= 0.500 Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.18 cfs @ 12.09 hrs HW=221.78' TW=221.32' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.18 cfs @ 1.79 fps)**Summary for Pond CB47: CB#47**

Inflow Area = 3,004 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.42 cfs @ 12.09 hrs, Volume= 1,514 cf
 Outflow = 0.42 cfs @ 12.09 hrs, Volume= 1,514 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.42 cfs @ 12.09 hrs, Volume= 1,514 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 225.37' @ 12.09 hrs

Flood Elev= 228.22'

Device	Routing	Invert	Outlet Devices
#1	Primary	225.05'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 225.05' / 224.27' S= 0.0373 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=225.36' TW=224.93' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.40 cfs @ 1.91 fps)**Summary for Pond CB48: CB#48**

Inflow Area = 60,065 sf, 25.95% Impervious, Inflow Depth > 3.03" for 25YR event
 Inflow = 4.01 cfs @ 12.17 hrs, Volume= 15,167 cf
 Outflow = 4.01 cfs @ 12.17 hrs, Volume= 15,167 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.01 cfs @ 12.17 hrs, Volume= 15,167 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 225.62' @ 12.17 hrs

Flood Elev= 228.28'

Device	Routing	Invert	Outlet Devices
#1	Primary	224.47'	15.0" Round Culvert L= 16.9' Ke= 0.500 Inlet / Outlet Invert= 224.47' / 224.00' S= 0.0278 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.93 cfs @ 12.17 hrs HW=225.61' TW=225.07' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 3.93 cfs @ 4.41 fps)

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Summary for Pond CB49: CB#49

Inflow Area = 1,659 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.23 cfs @ 12.09 hrs, Volume= 836 cf
 Outflow = 0.23 cfs @ 12.09 hrs, Volume= 836 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.23 cfs @ 12.09 hrs, Volume= 836 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 216.53' @ 12.09 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	216.30'	12.0" Round Culvert L= 15.4' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.06' S= 0.0156 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.09 hrs HW=216.53' TW=215.53' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.22 cfs @ 1.63 fps)**Summary for Pond CB5: CB#5**

Inflow Area = 1,456 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 734 cf
 Outflow = 0.20 cfs @ 12.09 hrs, Volume= 734 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.20 cfs @ 12.09 hrs, Volume= 734 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.40' @ 12.14 hrs

Flood Elev= 215.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.11'	12.0" Round Culvert L= 30.5' Ke= 0.500 Inlet / Outlet Invert= 212.11' / 211.96' S= 0.0049 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.21 cfs @ 12.09 hrs HW=212.38' TW=212.19' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.21 cfs @ 1.83 fps)**Summary for Pond CB50: CB#50**

Inflow Area = 6,448 sf, 27.62% Impervious, Inflow Depth > 3.13" for 25YR event
 Inflow = 0.53 cfs @ 12.09 hrs, Volume= 1,682 cf
 Outflow = 0.53 cfs @ 12.09 hrs, Volume= 1,682 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.53 cfs @ 12.09 hrs, Volume= 1,682 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.82' @ 12.14 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	215.36'	12.0" Round Culvert L= 17.3' Ke= 0.500

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Inlet / Outlet Invert= 215.36' / 214.50' S= 0.0497 '/' Cc= 0.900
 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.53 cfs @ 12.09 hrs HW=215.78' TW=215.57' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.53 cfs @ 2.48 fps)

Summary for Pond CB6: CB#6

Inflow Area = 1,704 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 859 cf
 Outflow = 0.24 cfs @ 12.09 hrs, Volume= 859 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.24 cfs @ 12.09 hrs, Volume= 859 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.63' @ 12.10 hrs

Flood Elev= 215.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.39'	12.0" Round Culvert L= 38.3' Ke= 0.500 Inlet / Outlet Invert= 212.39' / 211.96' S= 0.0112 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.24 cfs @ 12.09 hrs HW=212.63' TW=212.19' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.24 cfs @ 2.47 fps)

Summary for Pond CB7: CB#7

Inflow Area = 12,750 sf, 47.72% Impervious, Inflow Depth > 3.94" for 25YR event
 Inflow = 1.32 cfs @ 12.09 hrs, Volume= 4,182 cf
 Outflow = 1.32 cfs @ 12.09 hrs, Volume= 4,182 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.32 cfs @ 12.09 hrs, Volume= 4,182 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.22' @ 12.09 hrs

Flood Elev= 217.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.60'	12.0" Round Culvert L= 104.0' Ke= 0.500 Inlet / Outlet Invert= 214.60' / 213.68' S= 0.0088 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.29 cfs @ 12.09 hrs HW=215.21' TW=213.84' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.29 cfs @ 3.70 fps)

Summary for Pond CB8: CB#8

Inflow Area = 38,601 sf, 25.40% Impervious, Inflow Depth > 3.03" for 25YR event
 Inflow = 2.19 cfs @ 12.26 hrs, Volume= 9,733 cf
 Outflow = 2.19 cfs @ 12.26 hrs, Volume= 9,733 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.19 cfs @ 12.26 hrs, Volume= 9,733 cf

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Peak Elev= 215.09' @ 12.26 hrs

Flood Elev= 217.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.06'	12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 214.06' / 214.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.18 cfs @ 12.26 hrs HW=215.08' TW=213.82' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 2.18 cfs @ 3.37 fps)**Summary for Pond CB9: CB #9**

Inflow Area = 13,846 sf, 80.54% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 1.84 cfs @ 12.09 hrs, Volume= 6,306 cf
 Outflow = 1.84 cfs @ 12.09 hrs, Volume= 6,306 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.84 cfs @ 12.09 hrs, Volume= 6,306 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.87' @ 12.09 hrs

Flood Elev= 213.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.10'	12.0" Round Culvert L= 19.9' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 209.71' S= 0.0196 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.80 cfs @ 12.09 hrs HW=210.85' TW=210.36' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.80 cfs @ 3.92 fps)**Summary for Pond D1: DMH#1**

Inflow Area = 231,175 sf, 36.91% Impervious, Inflow Depth > 3.49" for 25YR event
 Inflow = 14.65 cfs @ 12.14 hrs, Volume= 67,214 cf
 Outflow = 14.65 cfs @ 12.14 hrs, Volume= 67,214 cf, Atten= 0%, Lag= 0.0 min
 Primary = 14.65 cfs @ 12.14 hrs, Volume= 67,214 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.88' @ 12.14 hrs

Flood Elev= 209.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.90'	30.0" Round Culvert L= 24.6' Ke= 0.500 Inlet / Outlet Invert= 202.90' / 202.78' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=14.55 cfs @ 12.14 hrs HW=204.87' TW=199.80' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 14.55 cfs @ 4.82 fps)

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Summary for Pond D10: DMH #10

Inflow Area = 44,046 sf, 62.59% Impervious, Inflow Depth > 4.44" for 25YR event
 Inflow = 5.00 cfs @ 12.09 hrs, Volume= 16,313 cf
 Outflow = 5.00 cfs @ 12.09 hrs, Volume= 16,313 cf, Atten= 0%, Lag= 0.0 min
 Primary = 5.00 cfs @ 12.09 hrs, Volume= 16,313 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.43' @ 12.09 hrs

Flood Elev= 206.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.08'	18.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 202.08' / 202.00' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.90 cfs @ 12.09 hrs HW=203.41' TW=196.98' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 4.90 cfs @ 3.92 fps)**Summary for Pond D11: DMH #11**

Inflow Area = 35,720 sf, 61.80% Impervious, Inflow Depth > 4.54" for 25YR event
 Inflow = 4.12 cfs @ 12.09 hrs, Volume= 13,509 cf
 Outflow = 4.12 cfs @ 12.09 hrs, Volume= 13,509 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.12 cfs @ 12.09 hrs, Volume= 13,509 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.91' @ 12.09 hrs

Flood Elev= 208.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.77'	15.0" Round Culvert L= 246.5' Ke= 0.500 Inlet / Outlet Invert= 204.77' / 203.04' S= 0.0070 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.03 cfs @ 12.09 hrs HW=205.89' TW=203.41' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 4.03 cfs @ 4.58 fps)**Summary for Pond D12: DMH #12**

Inflow Area = 27,274 sf, 86.03% Impervious, Inflow Depth > 5.52" for 25YR event
 Inflow = 3.65 cfs @ 12.09 hrs, Volume= 12,535 cf
 Outflow = 3.65 cfs @ 12.09 hrs, Volume= 12,535 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.65 cfs @ 12.09 hrs, Volume= 12,535 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.94' @ 12.09 hrs

Flood Elev= 207.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.21'	12.0" Round Culvert L= 41.9' Ke= 0.500

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Inlet / Outlet Invert= 203.21' / 203.00' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.55 cfs @ 12.09 hrs HW=204.89' TW=203.45' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.55 cfs @ 4.52 fps)

Summary for Pond D13: DMH #13

Inflow Area = 73,384 sf, 65.02% Impervious, Inflow Depth > 4.72" for 25YR event
 Inflow = 8.39 cfs @ 12.09 hrs, Volume= 28,850 cf
 Outflow = 8.39 cfs @ 12.09 hrs, Volume= 28,850 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.39 cfs @ 12.09 hrs, Volume= 28,850 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.48' @ 12.09 hrs

Flood Elev= 208.12'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.95'	24.0" Round Culvert L= 60.1' Ke= 0.500 Inlet / Outlet Invert= 201.95' / 201.65' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.19 cfs @ 12.09 hrs HW=203.46' TW=196.97' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 8.19 cfs @ 4.47 fps)

Summary for Pond D14: DMH #14

Inflow Area = 24,136 sf, 87.59% Impervious, Inflow Depth > 5.78" for 25YR event
 Inflow = 3.29 cfs @ 12.09 hrs, Volume= 11,624 cf
 Outflow = 3.29 cfs @ 12.09 hrs, Volume= 11,624 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.29 cfs @ 12.09 hrs, Volume= 11,624 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.31' @ 12.09 hrs

Flood Elev= 208.81'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.28'	15.0" Round Culvert L= 246.6' Ke= 0.500 Inlet / Outlet Invert= 204.28' / 203.05' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.20 cfs @ 12.09 hrs HW=205.29' TW=203.45' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.20 cfs @ 4.09 fps)

Summary for Pond D16: DMH #16

Inflow Area = 11,655 sf, 94.18% Impervious, Inflow Depth > 5.90" for 25YR event
 Inflow = 1.60 cfs @ 12.09 hrs, Volume= 5,732 cf
 Outflow = 1.60 cfs @ 12.09 hrs, Volume= 5,732 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.60 cfs @ 12.09 hrs, Volume= 5,732 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.72' @ 12.09 hrs

Flood Elev= 208.59'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.90'	15.0" Round Culvert L= 103.5' Ke= 0.500 Inlet / Outlet Invert= 204.90' / 204.38' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.56 cfs @ 12.09 hrs HW=205.70' TW=205.29' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.56 cfs @ 2.68 fps)**Summary for Pond D17: DMH #17**

Inflow Area = 21,693 sf, 85.31% Impervious, Inflow Depth > 5.77" for 25YR event
 Inflow = 2.95 cfs @ 12.09 hrs, Volume= 10,435 cf
 Outflow = 2.95 cfs @ 12.09 hrs, Volume= 10,435 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.95 cfs @ 12.09 hrs, Volume= 10,435 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.66' @ 12.09 hrs

Flood Elev= 204.84'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.55'	12.0" Round Culvert L= 91.6' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 197.69' S= 0.0312 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.87 cfs @ 12.09 hrs HW=201.63' TW=198.75' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.87 cfs @ 3.66 fps)**Summary for Pond D18: DMH #18**

Inflow Area = 31,866 sf, 74.79% Impervious, Inflow Depth > 5.49" for 25YR event
 Inflow = 4.22 cfs @ 12.09 hrs, Volume= 14,591 cf
 Outflow = 4.22 cfs @ 12.09 hrs, Volume= 14,591 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.22 cfs @ 12.09 hrs, Volume= 14,591 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 198.78' @ 12.09 hrs

Flood Elev= 201.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.44'	15.0" Round Culvert L= 51.4' Ke= 0.500 Inlet / Outlet Invert= 197.44' / 197.18' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.11 cfs @ 12.09 hrs HW=198.75' TW=196.16' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 4.11 cfs @ 3.95 fps)

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Summary for Pond D19: DMH #19

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 5.17" for 25YR event
 Inflow = 2.30 cfs @ 12.09 hrs, Volume= 7,701 cf
 Outflow = 2.30 cfs @ 12.09 hrs, Volume= 7,701 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.30 cfs @ 12.09 hrs, Volume= 7,701 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.16' @ 12.09 hrs

Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.19'	12.0" Round Culvert L= 82.5' Ke= 0.500 Inlet / Outlet Invert= 205.19' / 204.43' S= 0.0092 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.24 cfs @ 12.09 hrs HW=206.14' TW=205.35' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 2.24 cfs @ 3.76 fps)**Summary for Pond D2: DMH#2**

Inflow Area = 212,306 sf, 33.64% Impervious, Inflow Depth > 3.34" for 25YR event
 Inflow = 12.74 cfs @ 12.16 hrs, Volume= 59,155 cf
 Outflow = 12.74 cfs @ 12.16 hrs, Volume= 59,155 cf, Atten= 0%, Lag= 0.0 min
 Primary = 12.74 cfs @ 12.16 hrs, Volume= 59,155 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.78' @ 12.16 hrs

Flood Elev= 211.04'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.29'	30.0" Round Culvert L= 129.9' Ke= 0.500 Inlet / Outlet Invert= 206.29' / 204.41' S= 0.0145 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=12.65 cfs @ 12.16 hrs HW=207.78' TW=204.86' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 12.65 cfs @ 4.15 fps)**Summary for Pond D20: DMH #20**

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 5.17" for 25YR event
 Inflow = 2.30 cfs @ 12.09 hrs, Volume= 7,701 cf
 Outflow = 2.30 cfs @ 12.09 hrs, Volume= 7,701 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.30 cfs @ 12.09 hrs, Volume= 7,701 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.37' @ 12.09 hrs

Flood Elev= 207.68'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.33'	12.0" Round Culvert L= 63.5' Ke= 0.500

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Inlet / Outlet Invert= 204.33' / 204.02' S= 0.0049 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.24 cfs @ 12.09 hrs HW=205.35' TW=204.48' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.24 cfs @ 3.46 fps)

Summary for Pond D21: DMH #21

Inflow Area = 62,419 sf, 72.53% Impervious, Inflow Depth > 5.29" for 25YR event
 Inflow = 8.10 cfs @ 12.09 hrs, Volume= 27,494 cf
 Outflow = 8.10 cfs @ 12.09 hrs, Volume= 27,494 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.10 cfs @ 12.09 hrs, Volume= 27,494 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.51' @ 12.09 hrs

Flood Elev= 207.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.02'	24.0" Round Culvert L= 72.4' Ke= 0.500 Inlet / Outlet Invert= 203.02' / 202.66' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.89 cfs @ 12.09 hrs HW=204.48' TW=201.50' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 7.89 cfs @ 4.47 fps)

Summary for Pond D22: DMH #22

Inflow Area = 20,621 sf, 88.31% Impervious, Inflow Depth > 5.72" for 25YR event
 Inflow = 2.79 cfs @ 12.09 hrs, Volume= 9,824 cf
 Outflow = 2.79 cfs @ 12.09 hrs, Volume= 9,824 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.79 cfs @ 12.09 hrs, Volume= 9,824 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.77' @ 12.09 hrs

Flood Elev= 208.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.87'	15.0" Round Culvert L= 134.2' Ke= 0.500 Inlet / Outlet Invert= 204.87' / 203.92' S= 0.0071 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.71 cfs @ 12.09 hrs HW=205.75' TW=204.48' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.71 cfs @ 4.10 fps)

Summary for Pond D23: DMH #23

Inflow Area = 10,312 sf, 99.33% Impervious, Inflow Depth > 6.03" for 25YR event
 Inflow = 1.42 cfs @ 12.09 hrs, Volume= 5,185 cf
 Outflow = 1.42 cfs @ 12.09 hrs, Volume= 5,185 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.42 cfs @ 12.09 hrs, Volume= 5,185 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.29' @ 12.09 hrs

Flood Elev= 210.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.70'	15.0" Round Culvert L= 173.3' Ke= 0.500 Inlet / Outlet Invert= 206.70' / 204.97' S= 0.0100 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.39 cfs @ 12.09 hrs HW=207.28' TW=205.75' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.39 cfs @ 3.68 fps)**Summary for Pond D24: DMH #24**

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 5.93" for 25YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 589 cf
 Outflow = 0.16 cfs @ 12.09 hrs, Volume= 589 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.16 cfs @ 12.09 hrs, Volume= 589 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.42' @ 12.09 hrs

Flood Elev= 211.62'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.21'	12.0" Round Culvert L= 140.9' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 207.13' S= 0.0077 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.16 cfs @ 12.09 hrs HW=208.42' TW=207.28' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.16 cfs @ 2.05 fps)**Summary for Pond D25: DMH #25**

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 4.99" for 25YR event
 Inflow = 8.21 cfs @ 12.09 hrs, Volume= 27,772 cf
 Outflow = 8.21 cfs @ 12.09 hrs, Volume= 27,772 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.21 cfs @ 12.09 hrs, Volume= 27,772 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.59' @ 12.09 hrs

Flood Elev= 213.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.75'	18.0" Round Culvert L= 165.0' Ke= 0.500 Inlet / Outlet Invert= 207.75' / 206.93' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=8.03 cfs @ 12.09 hrs HW=209.54' TW=207.90' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 8.03 cfs @ 4.81 fps)

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Summary for Pond D26: DMH #26

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 4.99" for 25YR event
 Inflow = 8.21 cfs @ 12.09 hrs, Volume= 27,772 cf
 Outflow = 8.21 cfs @ 12.09 hrs, Volume= 27,772 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.21 cfs @ 12.09 hrs, Volume= 27,772 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.93' @ 12.09 hrs

Flood Elev= 213.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.43'	24.0" Round Culvert L= 72.0' Ke= 0.500 Inlet / Outlet Invert= 206.43' / 206.07' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.00 cfs @ 12.09 hrs HW=207.90' TW=203.39' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 8.00 cfs @ 4.49 fps)**Summary for Pond D27: DMH #27**

Inflow Area = 37,797 sf, 68.71% Impervious, Inflow Depth > 4.76" for 25YR event
 Inflow = 4.45 cfs @ 12.09 hrs, Volume= 14,978 cf
 Outflow = 4.45 cfs @ 12.09 hrs, Volume= 14,978 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.45 cfs @ 12.09 hrs, Volume= 14,978 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.48' @ 12.09 hrs

Flood Elev= 217.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.30'	15.0" Round Culvert L= 247.1' Ke= 0.500 Inlet / Outlet Invert= 213.30' / 208.48' S= 0.0195 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.35 cfs @ 12.09 hrs HW=214.46' TW=209.54' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 4.35 cfs @ 3.66 fps)**Summary for Pond D28: DMH #28**

Inflow Area = 20,495 sf, 61.40% Impervious, Inflow Depth > 4.45" for 25YR event
 Inflow = 2.26 cfs @ 12.09 hrs, Volume= 7,592 cf
 Outflow = 2.26 cfs @ 12.09 hrs, Volume= 7,592 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.26 cfs @ 12.09 hrs, Volume= 7,592 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.87' @ 12.09 hrs

Flood Elev= 220.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.12'	15.0" Round Culvert L= 189.5' Ke= 0.500

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Inlet / Outlet Invert= 217.12' / 213.40' S= 0.0196 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.21 cfs @ 12.09 hrs HW=217.86' TW=214.46' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 2.21 cfs @ 2.93 fps)

Summary for Pond D29: DMH #29

Inflow Area = 9,226 sf, 91.86% Impervious, Inflow Depth > 5.69" for 25YR event
 Inflow = 1.24 cfs @ 12.09 hrs, Volume= 4,374 cf
 Outflow = 1.24 cfs @ 12.09 hrs, Volume= 4,374 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.24 cfs @ 12.09 hrs, Volume= 4,374 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.41' @ 12.09 hrs

Flood Elev= 223.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	219.83'	12.0" Round Culvert L= 118.4' Ke= 0.500 Inlet / Outlet Invert= 219.83' / 217.54' S= 0.0193 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.21 cfs @ 12.09 hrs HW=220.41' TW=217.86' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.21 cfs @ 2.58 fps)

Summary for Pond D3: DMH#3

Inflow Area = 168,902 sf, 30.18% Impervious, Inflow Depth > 3.21" for 25YR event
 Inflow = 9.70 cfs @ 12.17 hrs, Volume= 45,251 cf
 Outflow = 9.70 cfs @ 12.17 hrs, Volume= 45,251 cf, Atten= 0%, Lag= 0.0 min
 Primary = 9.70 cfs @ 12.17 hrs, Volume= 45,251 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.32' @ 12.17 hrs

Flood Elev= 215.29'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	24.0" Round Culvert L= 282.0' Ke= 0.500 Inlet / Outlet Invert= 210.90' / 206.79' S= 0.0146 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.60 cfs @ 12.17 hrs HW=212.31' TW=207.77' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 9.60 cfs @ 4.05 fps)

Summary for Pond D30: DMH #30

Inflow Area = 3,480 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,754 cf
 Outflow = 0.48 cfs @ 12.09 hrs, Volume= 1,754 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.48 cfs @ 12.09 hrs, Volume= 1,754 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.33' @ 12.09 hrs

Flood Elev= 224.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.92'	12.0" Round Culvert L= 184.2' Ke= 0.500 Inlet / Outlet Invert= 220.92' / 220.00' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.47 cfs @ 12.09 hrs HW=221.32' TW=220.41' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.47 cfs @ 2.32 fps)**Summary for Pond D31: DMH#31**

Inflow Area = 63,069 sf, 29.48% Impervious, Inflow Depth > 3.17" for 25YR event
 Inflow = 4.31 cfs @ 12.16 hrs, Volume= 16,681 cf
 Outflow = 4.31 cfs @ 12.16 hrs, Volume= 16,681 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.31 cfs @ 12.16 hrs, Volume= 16,681 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 225.09' @ 12.16 hrs

Flood Elev= 227.44'

Device	Routing	Invert	Outlet Devices
#1	Primary	223.94'	15.0" Round Culvert L= 158.7' Ke= 0.500 Inlet / Outlet Invert= 223.94' / 214.45' S= 0.0598 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.25 cfs @ 12.16 hrs HW=225.08' TW=215.69' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 4.25 cfs @ 3.63 fps)**Summary for Pond D32: DMH#32**

Inflow Area = 71,176 sf, 30.95% Impervious, Inflow Depth > 3.24" for 25YR event
 Inflow = 4.90 cfs @ 12.15 hrs, Volume= 19,200 cf
 Outflow = 4.90 cfs @ 12.15 hrs, Volume= 19,200 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.90 cfs @ 12.15 hrs, Volume= 19,200 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.71' @ 12.15 hrs

Flood Elev= 219.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.25'	15.0" Round Culvert L= 122.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 213.64' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.90 cfs @ 12.15 hrs HW=215.71' TW=213.92' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 4.90 cfs @ 4.30 fps)

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Summary for Pond D4: DMH#4

Inflow Area = 122,527 sf, 30.95% Impervious, Inflow Depth > 3.24" for 25YR event
 Inflow = 7.73 cfs @ 12.16 hrs, Volume= 33,116 cf
 Outflow = 7.73 cfs @ 12.16 hrs, Volume= 33,116 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.73 cfs @ 12.16 hrs, Volume= 33,116 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.92' @ 12.16 hrs

Flood Elev= 217.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.68'	24.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 212.68' / 211.04' S= 0.0125 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.68 cfs @ 12.16 hrs HW=213.91' TW=212.31' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 7.68 cfs @ 3.78 fps)**Summary for Pond D5: DMH #5**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 5.30" for 25YR event
 Inflow = 4.90 cfs @ 12.09 hrs, Volume= 16,698 cf
 Outflow = 4.90 cfs @ 12.09 hrs, Volume= 16,698 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.90 cfs @ 12.09 hrs, Volume= 16,698 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.38' @ 12.09 hrs

Flood Elev= 212.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.09'	18.0" Round Culvert L= 183.0' Ke= 0.500 Inlet / Outlet Invert= 209.09' / 208.17' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.77 cfs @ 12.09 hrs HW=210.36' TW=209.27' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 4.77 cfs @ 4.03 fps)**Summary for Pond D6: DMH #6**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 5.30" for 25YR event
 Inflow = 4.90 cfs @ 12.09 hrs, Volume= 16,698 cf
 Outflow = 4.90 cfs @ 12.09 hrs, Volume= 16,698 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.90 cfs @ 12.09 hrs, Volume= 16,698 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.29' @ 12.09 hrs

Flood Elev= 214.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.07'	18.0" Round Culvert L= 299.7' Ke= 0.500

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Inlet / Outlet Invert= 208.07' / 206.57' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.77 cfs @ 12.09 hrs HW=209.27' TW=207.29' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 4.77 cfs @ 4.30 fps)

Summary for Pond D7: DMH #7

Inflow Area = 55,267 sf, 67.83% Impervious, Inflow Depth > 5.16" for 25YR event
 Inflow = 7.05 cfs @ 12.09 hrs, Volume= 23,775 cf
 Outflow = 7.05 cfs @ 12.09 hrs, Volume= 23,775 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.05 cfs @ 12.09 hrs, Volume= 23,775 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.31' @ 12.09 hrs

Flood Elev= 213.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.97'	24.0" Round Culvert L= 101.8' Ke= 0.500 Inlet / Outlet Invert= 205.97' / 205.46' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.87 cfs @ 12.09 hrs HW=207.29' TW=201.50' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 6.87 cfs @ 4.42 fps)

Summary for Pond D8: DMH #8

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 4.83" for 25YR event
 Inflow = 2.09 cfs @ 12.09 hrs, Volume= 7,008 cf
 Outflow = 2.09 cfs @ 12.09 hrs, Volume= 7,008 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.09 cfs @ 12.09 hrs, Volume= 7,008 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.60' @ 12.09 hrs

Flood Elev= 204.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.57'	12.0" Round Culvert L= 87.7' Ke= 0.500 Inlet / Outlet Invert= 200.57' / 200.13' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.04 cfs @ 12.09 hrs HW=201.58' TW=201.01' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 2.04 cfs @ 3.19 fps)

Summary for Pond D9: DMH #9

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 4.83" for 25YR event
 Inflow = 2.09 cfs @ 12.09 hrs, Volume= 7,008 cf
 Outflow = 2.09 cfs @ 12.09 hrs, Volume= 7,008 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.09 cfs @ 12.09 hrs, Volume= 7,008 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.02' @ 12.09 hrs

Flood Elev= 204.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.03'	12.0" Round Culvert L= 11.9' Ke= 0.500 Inlet / Outlet Invert= 200.03' / 199.97' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.04 cfs @ 12.09 hrs HW=201.01' TW=196.97' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 2.04 cfs @ 3.31 fps)**Summary for Pond DE1: DRIP #1**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,274 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 871 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 403 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 224.16' @ 12.17 hrs Surf.Area= 321 sf Storage= 278 cf

Plug-Flow detention time= 61.7 min calculated for 1,271 cf (100% of inflow)

Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	221.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.99	321	0.0	0	0
222.00	321	40.0	1	1
224.99	321	40.0	384	385
225.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	224.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.50' / 223.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=222.03' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=224.14' TW=218.01' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.25 cfs @ 2.85 fps)

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Summary for Pond DE10: DRIP #10

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,155 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 795 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 359 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.11' @ 12.16 hrs Surf.Area= 290 sf Storage= 246 cf

Plug-Flow detention time= 60.8 min calculated for 1,155 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	290	0.0	0	0
212.00	290	40.0	1	1
214.99	290	40.0	347	348
215.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=212.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=214.10' TW=201.90' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.67 fps)

Summary for Pond DE11: DRIP #11

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf
 Outflow = 0.28 cfs @ 12.17 hrs, Volume= 1,300 cf, Atten= 26%, Lag= 4.7 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 887 cf
 Primary = 0.26 cfs @ 12.17 hrs, Volume= 413 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.17' @ 12.17 hrs Surf.Area= 321 sf Storage= 280 cf

Plug-Flow detention time= 60.7 min calculated for 1,300 cf (100% of inflow)

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Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=211.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=213.16' TW=201.92' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.25 cfs @ 2.90 fps)**Summary for Pond DE12: DRIP #12**

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,608 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,608 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 9.55 hrs, Volume= 864 cf
 Primary = 0.34 cfs @ 12.15 hrs, Volume= 744 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.67' @ 12.15 hrs Surf.Area= 285 sf Storage= 226 cf

Plug-Flow detention time= 35.6 min calculated for 1,608 cf (100% of inflow)

Center-of-Mass det. time= 35.4 min (792.2 - 756.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.69'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.69	285	0.0	0	0
210.70	285	40.0	1	1
213.69	285	40.0	341	342
213.70	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.70'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.70' / 211.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.69'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.55 hrs HW=210.72' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.34 cfs @ 12.15 hrs HW=212.66' TW=201.86' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.34 cfs @ 3.92 fps)**Summary for Pond DE13: DRIP #13**

Inflow Area = 4,097 sf, 90.68% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 1,985 cf
 Outflow = 0.40 cfs @ 12.17 hrs, Volume= 1,984 cf, Atten= 29%, Lag= 5.0 min
 Discarded = 0.02 cfs @ 9.80 hrs, Volume= 1,193 cf
 Primary = 0.38 cfs @ 12.17 hrs, Volume= 792 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.61' @ 12.17 hrs Surf.Area= 382 sf Storage= 400 cf

Plug-Flow detention time= 57.2 min calculated for 1,984 cf (100% of inflow)

Center-of-Mass det. time= 57.1 min (813.9 - 756.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	462 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	382	0.0	0	0
210.00	382	40.0	2	2
212.99	382	40.0	457	458
213.00	382	100.0	4	462

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 9.80 hrs HW=210.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.37 cfs @ 12.17 hrs HW=212.59' TW=201.94' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.37 cfs @ 4.27 fps)**Summary for Pond DE14: DRIP #14**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,155 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 795 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 359 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.51' @ 12.16 hrs Surf.Area= 290 sf Storage= 246 cf

Plug-Flow detention time= 60.8 min calculated for 1,155 cf (100% of inflow)

Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.39'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.39	290	0.0	0	0
208.40	290	40.0	1	1
211.39	290	40.0	347	348
211.40	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	211.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.90' / 209.85' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=208.40' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=210.50' TW=201.90' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.67 fps)

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Summary for Pond DE15: DRIP #15

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 893 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 893 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 696 cf
 Primary = 0.15 cfs @ 12.20 hrs, Volume= 197 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.67' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.7 min calculated for 891 cf (100% of inflow)
 Center-of-Mass det. time= 65.5 min (832.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	290	0.0	0	0
207.80	290	40.0	1	1
210.79	290	40.0	347	348
210.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.30' / 209.25' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=207.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.15 cfs @ 12.20 hrs HW=209.67' TW=202.09' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.89 fps)

Summary for Pond DE16: DRIP #16

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,155 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 795 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 359 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.41' @ 12.16 hrs Surf.Area= 290 sf Storage= 246 cf

Plug-Flow detention time= 60.8 min calculated for 1,155 cf (100% of inflow)

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Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.29	290	0.0	0	0
207.30	290	40.0	1	1
210.29	290	40.0	347	348
210.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.80' / 208.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=207.30' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=209.40' TW=201.90' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.23 cfs @ 2.67 fps)**Summary for Pond DE17: DRIP #17**

Inflow Area = 1,970 sf, 85.94% Impervious, Inflow Depth > 5.13" for 25YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 841 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 841 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 11.30 hrs, Volume= 645 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 196 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.96' @ 12.20 hrs Surf.Area= 277 sf Storage= 208 cf

Plug-Flow detention time= 68.4 min calculated for 839 cf (100% of inflow)

Center-of-Mass det. time= 68.1 min (850.9 - 782.7)

Volume	Invert	Avail.Storage	Storage Description	
#1	203.09'	335 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.09	277	0.0	0	0
203.10	277	40.0	1	1
206.09	277	40.0	331	332
206.10	277	100.0	3	335

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Device	Routing	Invert	Outlet Devices
#1	Primary	206.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	204.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.60' / 204.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	203.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.30 hrs HW=203.13' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=204.96' TW=200.04' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)**Summary for Pond DE18: DRIP #18**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,196 cf
 Outflow = 0.26 cfs @ 12.17 hrs, Volume= 1,196 cf, Atten= 28%, Lag= 5.1 min
 Discarded = 0.02 cfs @ 10.50 hrs, Volume= 828 cf
 Primary = 0.24 cfs @ 12.17 hrs, Volume= 367 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.91' @ 12.17 hrs Surf.Area= 321 sf Storage= 272 cf

Plug-Flow detention time= 64.3 min calculated for 1,196 cf (100% of inflow)

Center-of-Mass det. time= 64.1 min (843.3 - 779.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.79'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.79	321	0.0	0	0
204.80	321	40.0	1	1
207.79	321	40.0	384	385
207.80	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	207.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.30' / 206.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	204.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.50 hrs HW=204.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.17 hrs HW=206.89' TW=200.03' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.64 fps)**Summary for Pond DE19: DRIP #19**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,062 cf
 Outflow = 0.23 cfs @ 12.17 hrs, Volume= 1,062 cf, Atten= 27%, Lag= 4.9 min
 Discarded = 0.02 cfs @ 10.90 hrs, Volume= 742 cf
 Primary = 0.21 cfs @ 12.17 hrs, Volume= 320 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.65' @ 12.17 hrs Surf.Area= 290 sf Storage= 239 cf

Plug-Flow detention time= 64.5 min calculated for 1,060 cf (100% of inflow)

Center-of-Mass det. time= 64.2 min (843.3 - 779.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.59	290	0.0	0	0
205.60	290	40.0	1	1
208.59	290	40.0	347	348
208.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	208.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.10' / 207.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	205.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.90 hrs HW=205.62' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.21 cfs @ 12.17 hrs HW=207.64' TW=200.03' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.21 cfs @ 2.38 fps)

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Summary for Pond DE2: DRIP #2

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.35" for 25YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 857 cf
 Outflow = 0.18 cfs @ 12.17 hrs, Volume= 856 cf, Atten= 27%, Lag= 5.2 min
 Discarded = 0.02 cfs @ 10.95 hrs, Volume= 638 cf
 Primary = 0.17 cfs @ 12.17 hrs, Volume= 218 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 223.41' @ 12.17 hrs Surf.Area= 290 sf Storage= 188 cf

Plug-Flow detention time= 50.9 min calculated for 856 cf (100% of inflow)

Center-of-Mass det. time= 50.7 min (826.0 - 775.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	221.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.79	290	0.0	0	0
221.80	290	40.0	1	1
224.79	290	40.0	347	348
224.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	224.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.00' / 222.95' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.95 hrs HW=221.80' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.16 cfs @ 12.17 hrs HW=223.40' TW=218.01' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.16 cfs @ 1.93 fps)**Summary for Pond DE20: DRIP #20**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.13" for 25YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 820 cf
 Outflow = 0.06 cfs @ 12.47 hrs, Volume= 820 cf, Atten= 76%, Lag= 23.1 min
 Discarded = 0.06 cfs @ 11.75 hrs, Volume= 818 cf
 Primary = 0.00 cfs @ 12.47 hrs, Volume= 2 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

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Peak Elev= 207.86' @ 12.47 hrs Surf.Area= 290 sf Storage= 182 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 16.4 min (799.1 - 782.7)

Volume	Invert	Avail.Storage	Storage Description
#1	206.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.29	290	0.0	0	0
206.30	290	40.0	1	1
209.29	290	40.0	347	348
209.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	209.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.75' S= 0.0050 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.29'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 11.75 hrs HW=206.30' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.00 cfs @ 12.47 hrs HW=207.85' TW=200.09' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.00 cfs @ 0.70 fps)**Summary for Pond DE21: DRIP #21**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 1,961 sf, 86.33% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 856 cf
 Outflow = 0.09 cfs @ 12.35 hrs, Volume= 856 cf, Atten= 63%, Lag= 15.5 min
 Discarded = 0.05 cfs @ 11.80 hrs, Volume= 819 cf
 Primary = 0.04 cfs @ 12.35 hrs, Volume= 37 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.37' @ 12.35 hrs Surf.Area= 268 sf Storage= 181 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 16.4 min (795.5 - 779.1)

Volume	Invert	Avail.Storage	Storage Description
#1	206.69'	324 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.69	268	0.0	0	0
206.70	268	40.0	1	1
209.69	268	40.0	321	322
209.70	268	100.0	3	324

Device	Routing	Invert	Outlet Devices
#1	Primary	209.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.20'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.20' / 208.15' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.69'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 11.80 hrs HW=206.75' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.04 cfs @ 12.35 hrs HW=208.37' TW=200.07' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.04 cfs @ 1.37 fps)**Summary for Pond DE22: DRIP #22**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,608 cf
 Outflow = 0.33 cfs @ 12.17 hrs, Volume= 1,608 cf, Atten= 27%, Lag= 5.0 min
 Discarded = 0.05 cfs @ 11.65 hrs, Volume= 1,291 cf
 Primary = 0.28 cfs @ 12.17 hrs, Volume= 317 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.73' @ 12.17 hrs Surf.Area= 285 sf Storage= 255 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 14.2 min (771.0 - 756.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.49'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.49	285	0.0	0	0
207.50	285	40.0	1	1
210.49	285	40.0	341	342
210.50	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.49'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 11.65 hrs HW=207.54' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.17 hrs HW=209.71' TW=200.03' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.08 fps)**Summary for Pond DE23: DRIP #23**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf
 Outflow = 0.19 cfs @ 12.22 hrs, Volume= 1,108 cf, Atten= 40%, Lag= 7.7 min
 Discarded = 0.05 cfs @ 11.75 hrs, Volume= 985 cf
 Primary = 0.14 cfs @ 12.22 hrs, Volume= 123 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.83' @ 12.22 hrs Surf.Area= 272 sf Storage= 200 cf

Plug-Flow detention time= 15.1 min calculated for 1,106 cf (100% of inflow)

Center-of-Mass det. time= 15.0 min (777.1 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	272	0.0	0	0
208.00	272	40.0	1	1
210.99	272	40.0	325	326
211.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.50'	4.0" Round Culvert L= 10.0' Ke= 0.200 Inlet / Outlet Invert= 209.50' / 209.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.05 cfs @ 11.75 hrs HW=208.06' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.13 cfs @ 12.22 hrs HW=209.82' TW=200.04' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.13 cfs @ 1.92 fps)**Summary for Pond DE24: DRIP #24**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf
 Outflow = 0.14 cfs @ 12.33 hrs, Volume= 1,300 cf, Atten= 62%, Lag= 14.6 min
 Discarded = 0.06 cfs @ 11.75 hrs, Volume= 1,223 cf
 Primary = 0.08 cfs @ 12.33 hrs, Volume= 77 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.85' @ 12.33 hrs Surf.Area= 321 sf Storage= 290 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 21.9 min (783.9 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.59'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.59	321	0.0	0	0
208.60	321	40.0	1	1
211.59	321	40.0	384	385
211.60	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.60' / 210.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.59'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 11.75 hrs HW=208.66' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.08 cfs @ 12.33 hrs HW=210.84' TW=202.04' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.08 cfs @ 1.61 fps)

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Summary for Pond DE25: DRIP #25

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf
 Outflow = 0.28 cfs @ 12.17 hrs, Volume= 1,300 cf, Atten= 26%, Lag= 4.7 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 887 cf
 Primary = 0.26 cfs @ 12.17 hrs, Volume= 413 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.47' @ 12.17 hrs Surf.Area= 321 sf Storage= 280 cf

Plug-Flow detention time= 60.7 min calculated for 1,300 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.29'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.29	321	0.0	0	0
209.30	321	40.0	1	1
212.29	321	40.0	384	385
212.30	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	212.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.80' / 210.75' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=209.30' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=211.46' TW=202.02' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.90 fps)

Summary for Pond DE26: DRIP #26

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,108 cf, Atten= 21%, Lag= 4.2 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 754 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 354 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.11' @ 12.16 hrs Surf.Area= 272 sf Storage= 230 cf

Plug-Flow detention time= 60.3 min calculated for 1,108 cf (100% of inflow)

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Center-of-Mass det. time= 60.2 min (822.2 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=210.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=212.10' TW=202.02' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.23 cfs @ 2.67 fps)**Summary for Pond DE27: DRIP #27**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf
 Outflow = 0.27 cfs @ 12.15 hrs, Volume= 1,155 cf, Atten= 18%, Lag= 3.6 min
 Discarded = 0.02 cfs @ 10.50 hrs, Volume= 679 cf
 Primary = 0.26 cfs @ 12.15 hrs, Volume= 475 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.76' @ 12.15 hrs Surf.Area= 290 sf Storage= 136 cf

Plug-Flow detention time= 18.7 min calculated for 1,152 cf (100% of inflow)

Center-of-Mass det. time= 18.6 min (780.6 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	235 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	290	0.0	0	0
211.60	290	40.0	1	1
213.59	290	40.0	231	232
213.60	290	100.0	3	235

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.50 hrs HW=211.61' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.15 hrs HW=212.76' TW=202.02' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.92 fps)**Summary for Pond DE28: DRIP #28**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,155 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,155 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 795 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 359 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.61' @ 12.16 hrs Surf.Area= 290 sf Storage= 246 cf

Plug-Flow detention time= 60.8 min calculated for 1,155 cf (100% of inflow)

Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.49	290	0.0	0	0
211.50	290	40.0	1	1
214.49	290	40.0	347	348
214.50	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=211.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=213.60' TW=202.02' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.67 fps)**Summary for Pond DE29: DRIP #29**

Inflow Area = 2,335 sf, 88.31% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf
 Outflow = 0.26 cfs @ 12.14 hrs, Volume= 1,108 cf, Atten= 17%, Lag= 3.4 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 690 cf
 Primary = 0.25 cfs @ 12.14 hrs, Volume= 418 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.64' @ 12.14 hrs Surf.Area= 273 sf Storage= 170 cf

Plug-Flow detention time= 33.4 min calculated for 1,106 cf (100% of inflow)

Center-of-Mass det. time= 33.3 min (795.3 - 762.1)

Volume	Invert	Avail.Storage	Storage Description
#1	212.09'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)
212.09	273	0.0	0
212.10	273	40.0	1
215.09	273	40.0	327
215.10	273	100.0	3
Cum.Store (cubic-feet)			
0			
1			
328			
330			
Device	Routing	Invert	Outlet Devices
#1	Primary	215.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=212.12' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.14 hrs HW=213.64' TW=204.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.83 fps)

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Summary for Pond DE3: DRIP #3

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,085 cf, Atten= 21%, Lag= 4.3 min
 Discarded = 0.02 cfs @ 10.25 hrs, Volume= 740 cf
 Primary = 0.23 cfs @ 12.16 hrs, Volume= 345 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 222.89' @ 12.16 hrs Surf.Area= 272 sf Storage= 229 cf

Plug-Flow detention time= 61.3 min calculated for 1,083 cf (100% of inflow)

Center-of-Mass det. time= 61.0 min (827.9 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	220.79'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
220.79	272	0.0	0	0
220.80	272	40.0	1	1
223.79	272	40.0	325	326
223.80	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	223.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	222.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 222.30' / 222.25' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	220.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.25 hrs HW=220.80' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=222.89' TW=218.01' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.23 cfs @ 2.61 fps)**Summary for Pond DE30: DRIP #30**

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,301 cf
 Outflow = 0.29 cfs @ 12.15 hrs, Volume= 1,301 cf, Atten= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 831 cf
 Primary = 0.27 cfs @ 12.15 hrs, Volume= 470 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.97' @ 12.15 hrs Surf.Area= 322 sf Storage= 230 cf

Plug-Flow detention time= 40.1 min calculated for 1,298 cf (100% of inflow)

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Center-of-Mass det. time= 39.9 min (801.9 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	390 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	322	0.0	0	0
212.20	322	40.0	1	1
215.19	322	40.0	385	386
215.20	322	100.0	3	390

Device	Routing	Invert	Outlet Devices
#1	Primary	215.10'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.25'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.25' / 213.20' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=212.22' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.15 hrs HW=213.97' TW=204.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.27 cfs @ 3.13 fps)**Summary for Pond DE31: DRIP #31**

Inflow Area = 2,748 sf, 88.03% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,304 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,304 cf, Atten= 27%, Lag= 4.9 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 900 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 404 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.16' @ 12.17 hrs Surf.Area= 329 sf Storage= 285 cf

Plug-Flow detention time= 61.1 min calculated for 1,304 cf (100% of inflow)

Center-of-Mass det. time= 61.0 min (823.0 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	398 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	329	0.0	0	0
212.00	329	40.0	1	1
214.99	329	40.0	393	395
215.00	329	100.0	3	398

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Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=212.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=214.14' TW=204.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.85 fps)**Summary for Pond DE32: DRIP #32**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,108 cf, Atten= 21%, Lag= 4.2 min
 Discarded = 0.02 cfs @ 10.15 hrs, Volume= 754 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 354 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.51' @ 12.16 hrs Surf.Area= 272 sf Storage= 230 cf

Plug-Flow detention time= 60.3 min calculated for 1,108 cf (100% of inflow)

Center-of-Mass det. time= 60.2 min (822.2 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.39'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.39	272	0.0	0	0
211.40	272	40.0	1	1
214.39	272	40.0	325	326
214.40	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.90' / 212.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.15 hrs HW=211.40' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=213.50' TW=210.04' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.67 fps)**Summary for Pond DE33: DRIP #33**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 893 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 893 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 696 cf
 Primary = 0.15 cfs @ 12.20 hrs, Volume= 197 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.47' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.7 min calculated for 891 cf (100% of inflow)

Center-of-Mass det. time= 65.5 min (832.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.59	290	0.0	0	0
210.60	290	40.0	1	1
213.59	290	40.0	347	348
213.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=210.62' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.20 hrs HW=212.47' TW=210.05' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.89 fps)

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Summary for Pond DE34: DRIP #34

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 1,945 cf
 Outflow = 0.39 cfs @ 12.17 hrs, Volume= 1,945 cf, Atten= 29%, Lag= 5.0 min
 Discarded = 0.02 cfs @ 9.50 hrs, Volume= 1,171 cf
 Primary = 0.37 cfs @ 12.17 hrs, Volume= 774 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.89' @ 12.17 hrs Surf.Area= 383 sf Storage= 399 cf

Plug-Flow detention time= 57.9 min calculated for 1,945 cf (100% of inflow)
 Center-of-Mass det. time= 57.8 min (819.9 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.29'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.29	383	0.0	0	0
210.30	383	40.0	2	2
213.29	383	40.0	458	460
213.30	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	213.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.80' / 211.75' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.50 hrs HW=210.30' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.37 cfs @ 12.17 hrs HW=212.87' TW=204.01' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.37 cfs @ 4.22 fps)

Summary for Pond DE35: DRIP #35

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 1,945 cf
 Outflow = 0.39 cfs @ 12.17 hrs, Volume= 1,945 cf, Atten= 29%, Lag= 5.0 min
 Discarded = 0.02 cfs @ 9.95 hrs, Volume= 1,171 cf
 Primary = 0.37 cfs @ 12.17 hrs, Volume= 774 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.59' @ 12.17 hrs Surf.Area= 383 sf Storage= 399 cf

Plug-Flow detention time= 57.9 min calculated for 1,945 cf (100% of inflow)

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Center-of-Mass det. time= 57.8 min (819.9 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	383	0.0	0	0
209.00	383	40.0	2	2
211.99	383	40.0	458	460
212.00	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.95 hrs HW=209.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.37 cfs @ 12.17 hrs HW=211.57' TW=204.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.37 cfs @ 4.22 fps)**Summary for Pond DE36: DRIP #36**

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,608 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,608 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 9.55 hrs, Volume= 864 cf
 Primary = 0.34 cfs @ 12.15 hrs, Volume= 744 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.97' @ 12.15 hrs Surf.Area= 285 sf Storage= 226 cf

Plug-Flow detention time= 35.6 min calculated for 1,608 cf (100% of inflow)

Center-of-Mass det. time= 35.4 min (792.2 - 756.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	285	0.0	0	0
207.00	285	40.0	1	1
209.99	285	40.0	341	342
210.00	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.00' / 207.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.55 hrs HW=207.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.34 cfs @ 12.15 hrs HW=208.96' TW=199.91' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.34 cfs @ 3.92 fps)**Summary for Pond DE37: DRIP #37**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,577 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,577 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 9.70 hrs, Volume= 849 cf
 Primary = 0.34 cfs @ 12.15 hrs, Volume= 728 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.96' @ 12.15 hrs Surf.Area= 287 sf Storage= 226 cf

Plug-Flow detention time= 36.0 min calculated for 1,573 cf (100% of inflow)

Center-of-Mass det. time= 35.8 min (797.8 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	347 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	287	0.0	0	0
208.00	287	40.0	1	1
210.99	287	40.0	343	344
211.00	287	100.0	3	347

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 9.70 hrs HW=208.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.34 cfs @ 12.15 hrs HW=209.95' TW=199.91' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.34 cfs @ 3.89 fps)**Summary for Pond DE38: DRIP #39**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,274 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 871 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 403 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.16' @ 12.17 hrs Surf.Area= 321 sf Storage= 278 cf

Plug-Flow detention time= 61.7 min calculated for 1,271 cf (100% of inflow)

Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	321	0.0	0	0
209.00	321	40.0	1	1
211.99	321	40.0	384	385
212.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=209.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=211.14' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.85 fps)

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Summary for Pond DE39: DRIP #39

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,085 cf, Atten= 21%, Lag= 4.3 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 740 cf
 Primary = 0.23 cfs @ 12.16 hrs, Volume= 345 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.09' @ 12.16 hrs Surf.Area= 272 sf Storage= 229 cf

Plug-Flow detention time= 61.3 min calculated for 1,083 cf (100% of inflow)
 Center-of-Mass det. time= 61.0 min (827.9 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=210.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=212.09' TW=199.95' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.61 fps)

Summary for Pond DE4: DRIP #4

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,274 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 871 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 403 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 221.16' @ 12.17 hrs Surf.Area= 321 sf Storage= 278 cf

Plug-Flow detention time= 61.7 min calculated for 1,271 cf (100% of inflow)

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Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.99	321	0.0	0	0
219.00	321	40.0	1	1
221.99	321	40.0	384	385
222.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	221.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.50' / 220.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=219.03' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=221.14' TW=218.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.25 cfs @ 2.85 fps)**Summary for Pond DE40: DRIP #40**

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,273 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 871 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 402 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.16' @ 12.17 hrs Surf.Area= 321 sf Storage= 278 cf

Plug-Flow detention time= 61.6 min calculated for 1,273 cf (100% of inflow)

Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=211.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=213.14' TW=200.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.84 fps)**Summary for Pond DE41: DRIP #41**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,274 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 871 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 403 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.16' @ 12.17 hrs Surf.Area= 321 sf Storage= 278 cf

Plug-Flow detention time= 61.7 min calculated for 1,271 cf (100% of inflow)

Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	321	0.0	0	0
212.00	321	40.0	1	1
214.99	321	40.0	384	385
215.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=212.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=214.14' TW=200.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.85 fps)**Summary for Pond DE42: DRIP #42**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,131 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,131 cf, Atten= 24%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 781 cf
 Primary = 0.23 cfs @ 12.16 hrs, Volume= 351 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.10' @ 12.16 hrs Surf.Area= 290 sf Storage= 245 cf

Plug-Flow detention time= 61.8 min calculated for 1,129 cf (100% of inflow)

Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.99	290	0.0	0	0
213.00	290	40.0	1	1
215.99	290	40.0	347	348
216.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=213.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=215.09' TW=199.98' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.62 fps)

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Summary for Pond DE43: DRIP #43

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,085 cf, Atten= 21%, Lag= 4.3 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 740 cf
 Primary = 0.23 cfs @ 12.16 hrs, Volume= 345 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 216.09' @ 12.16 hrs Surf.Area= 272 sf Storage= 229 cf

Plug-Flow detention time= 61.3 min calculated for 1,083 cf (100% of inflow)
 Center-of-Mass det. time= 61.0 min (827.9 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	213.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.99	272	0.0	0	0
214.00	272	40.0	1	1
216.99	272	40.0	325	326
217.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	216.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	215.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.50' / 215.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	213.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=214.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=216.09' TW=199.95' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.61 fps)

Summary for Pond DE44: DRIP #44

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,274 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,273 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 871 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 402 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 218.16' @ 12.17 hrs Surf.Area= 321 sf Storage= 278 cf

Plug-Flow detention time= 61.6 min calculated for 1,273 cf (100% of inflow)

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Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	215.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
215.99	321	0.0	0	0
216.00	321	40.0	1	1
218.99	321	40.0	384	385
219.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	218.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	217.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.50' / 217.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	215.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=216.03' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=218.14' TW=200.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.25 cfs @ 2.84 fps)**Summary for Pond DE45: DRIP #45**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,085 cf, Atten= 21%, Lag= 4.3 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 740 cf
 Primary = 0.23 cfs @ 12.16 hrs, Volume= 345 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 219.09' @ 12.16 hrs Surf.Area= 272 sf Storage= 229 cf

Plug-Flow detention time= 61.3 min calculated for 1,083 cf (100% of inflow)

Center-of-Mass det. time= 61.0 min (827.9 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	272	0.0	0	0
217.00	272	40.0	1	1
219.99	272	40.0	325	326
220.00	272	100.0	3	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.50' / 218.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=217.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=219.09' TW=199.95' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.61 fps)**Summary for Pond DE47: DRIP #47**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,577 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,577 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 9.75 hrs, Volume= 854 cf
 Primary = 0.34 cfs @ 12.15 hrs, Volume= 723 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.96' @ 12.15 hrs Surf.Area= 290 sf Storage= 228 cf

Plug-Flow detention time= 36.0 min calculated for 1,573 cf (100% of inflow)

Center-of-Mass det. time= 35.8 min (797.9 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	290	0.0	0	0
217.00	290	40.0	1	1
219.99	290	40.0	347	348
220.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.00' / 217.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 9.75 hrs HW=217.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.34 cfs @ 12.15 hrs HW=218.95' TW=216.00' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.34 cfs @ 3.88 fps)**Summary for Pond DE48: DRIP #48**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.35" for 25YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 857 cf
 Outflow = 0.15 cfs @ 12.21 hrs, Volume= 856 cf, Atten= 40%, Lag= 7.5 min
 Discarded = 0.02 cfs @ 11.30 hrs, Volume= 673 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 183 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 216.85' @ 12.21 hrs Surf.Area= 290 sf Storage= 215 cf

Plug-Flow detention time= 67.6 min calculated for 856 cf (100% of inflow)

Center-of-Mass det. time= 67.5 min (842.8 - 775.3)

Volume	Invert	Avail.Storage	Storage Description	
#1	214.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
214.99	290	0.0	0	0
215.00	290	40.0	1	1
217.99	290	40.0	347	348
218.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	217.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	216.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.50' / 216.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	214.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.30 hrs HW=215.03' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.13 cfs @ 12.21 hrs HW=216.84' TW=210.05' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.13 cfs @ 1.85 fps)

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Summary for Pond DE49: DRIP #49

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,131 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,131 cf, Atten= 24%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 781 cf
 Primary = 0.23 cfs @ 12.16 hrs, Volume= 351 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 215.10' @ 12.16 hrs Surf.Area= 290 sf Storage= 245 cf

Plug-Flow detention time= 61.8 min calculated for 1,129 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.99	290	0.0	0	0
213.00	290	40.0	1	1
215.99	290	40.0	347	348
216.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=213.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=215.09' TW=210.04' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.62 fps)

Summary for Pond DE5: DRIP #5

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,085 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,085 cf, Atten= 21%, Lag= 4.3 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 740 cf
 Primary = 0.23 cfs @ 12.16 hrs, Volume= 345 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.69' @ 12.16 hrs Surf.Area= 272 sf Storage= 229 cf

Plug-Flow detention time= 61.1 min calculated for 1,085 cf (100% of inflow)

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Center-of-Mass det. time= 61.0 min (827.9 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.59	272	0.0	0	0
218.60	272	40.0	1	1
221.59	272	40.0	325	326
221.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	221.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.10' / 220.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=218.62' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=220.69' TW=218.01' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.23 cfs @ 2.61 fps)**Summary for Pond DE6: DRIP #6**

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.25 cfs @ 12.17 hrs, Volume= 1,159 cf, Atten= 25%, Lag= 4.7 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 811 cf
 Primary = 0.23 cfs @ 12.17 hrs, Volume= 348 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.60' @ 12.16 hrs Surf.Area= 300 sf Storage= 253 cf

Plug-Flow detention time= 61.3 min calculated for 1,159 cf (100% of inflow)

Center-of-Mass det. time= 61.2 min (823.2 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	363 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	300	0.0	0	0
210.50	300	40.0	1	1
213.49	300	40.0	359	360
213.50	300	100.0	3	363

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=210.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.17 hrs HW=212.58' TW=211.50' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.60 fps)**Summary for Pond DE61: DRIP #61**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.79 cfs @ 12.09 hrs, Volume= 2,721 cf
 Outflow = 0.64 cfs @ 12.15 hrs, Volume= 2,721 cf, Atten= 19%, Lag= 3.8 min
 Discarded = 0.04 cfs @ 10.50 hrs, Volume= 1,592 cf
 Primary = 0.60 cfs @ 12.15 hrs, Volume= 1,129 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.48' @ 12.15 hrs Surf.Area= 688 sf Storage= 356 cf

Plug-Flow detention time= 19.9 min calculated for 2,721 cf (100% of inflow)

Center-of-Mass det. time= 19.8 min (786.6 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	688	0.0	0	0
212.20	688	40.0	3	3
214.19	688	40.0	548	550
214.20	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.04 cfs @ 10.50 hrs HW=212.21' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.60 cfs @ 12.15 hrs HW=213.48' TW=203.63' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.60 cfs @ 3.06 fps)**Summary for Pond DE62: DRIP #62**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.79 cfs @ 12.09 hrs, Volume= 2,721 cf
 Outflow = 0.64 cfs @ 12.15 hrs, Volume= 2,721 cf, Atten= 19%, Lag= 3.8 min
 Discarded = 0.04 cfs @ 10.25 hrs, Volume= 1,592 cf
 Primary = 0.60 cfs @ 12.15 hrs, Volume= 1,129 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.48' @ 12.15 hrs Surf.Area= 688 sf Storage= 356 cf

Plug-Flow detention time= 20.0 min calculated for 2,715 cf (100% of inflow)

Center-of-Mass det. time= 19.8 min (786.6 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	688	0.0	0	0
212.20	688	40.0	3	3
214.19	688	40.0	548	550
214.20	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 10.25 hrs HW=212.20' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.60 cfs @ 12.15 hrs HW=213.48' TW=206.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.60 cfs @ 3.06 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 3,423 sf, 88.11% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,625 cf
 Outflow = 0.42 cfs @ 12.12 hrs, Volume= 1,624 cf, Atten= 9%, Lag= 2.2 min
 Discarded = 0.02 cfs @ 10.45 hrs, Volume= 955 cf
 Primary = 0.40 cfs @ 12.12 hrs, Volume= 670 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.04' @ 12.12 hrs Surf.Area= 407 sf Storage= 170 cf

Plug-Flow detention time= 18.6 min calculated for 1,621 cf (100% of inflow)
 Center-of-Mass det. time= 18.4 min (780.5 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	407	0.0	0	0
207.00	407	40.0	2	2
208.99	407	40.0	324	326
209.00	407	100.0	4	330

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.45 hrs HW=207.01' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.39 cfs @ 12.12 hrs HW=208.03' TW=202.10' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.39 cfs @ 2.35 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,021 cf, Atten= 12%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.45 hrs, Volume= 1,210 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 811 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.43' @ 12.13 hrs Surf.Area= 474 sf Storage= 273 cf

Plug-Flow detention time= 29.6 min calculated for 2,017 cf (100% of inflow)

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Center-of-Mass det. time= 29.4 min (791.5 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.99'	574 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.99	474	0.0	0	0
205.00	474	40.0	2	2
207.99	474	40.0	567	569
208.00	474	100.0	5	574

Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	205.80'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.80' / 205.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	204.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 10.45 hrs HW=205.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.13 hrs HW=206.42' TW=202.10' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.47 cfs @ 2.48 fps)**Summary for Pond DE65: DRIP #65**

Inflow Area = 3,423 sf, 88.14% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,625 cf
 Outflow = 0.42 cfs @ 12.12 hrs, Volume= 1,624 cf, Atten= 9%, Lag= 2.2 min
 Discarded = 0.02 cfs @ 10.45 hrs, Volume= 954 cf
 Primary = 0.40 cfs @ 12.12 hrs, Volume= 671 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.04' @ 12.12 hrs Surf.Area= 406 sf Storage= 170 cf

Plug-Flow detention time= 18.6 min calculated for 1,621 cf (100% of inflow)

Center-of-Mass det. time= 18.4 min (780.5 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.99	406	0.0	0	0
206.00	406	40.0	2	2
207.99	406	40.0	323	325
208.00	406	100.0	4	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.50' / 206.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.45 hrs HW=206.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.39 cfs @ 12.12 hrs HW=207.03' TW=202.10' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.39 cfs @ 2.35 fps)**Summary for Pond DE66: DRIP #66**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,013 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,012 cf, Atten= 12%, Lag= 2.6 min
 Discarded = 0.03 cfs @ 9.90 hrs, Volume= 1,128 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 884 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.93' @ 12.13 hrs Surf.Area= 455 sf Storage= 208 cf

Plug-Flow detention time= 18.8 min calculated for 2,008 cf (100% of inflow)

Center-of-Mass det. time= 18.7 min (780.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	455	0.0	0	0
207.80	455	40.0	2	2
209.79	455	40.0	362	364
209.80	455	100.0	5	369

Device	Routing	Invert	Outlet Devices
#1	Primary	209.70'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.30'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.30' / 208.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 9.90 hrs HW=207.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.13 hrs HW=208.92' TW=202.10' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.47 cfs @ 2.48 fps)**Summary for Pond DE67: DRIP #67**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,013 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,012 cf, Atten= 12%, Lag= 2.6 min
 Discarded = 0.03 cfs @ 10.25 hrs, Volume= 1,128 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 884 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.13' @ 12.13 hrs Surf.Area= 455 sf Storage= 208 cf

Plug-Flow detention time= 18.8 min calculated for 2,008 cf (100% of inflow)

Center-of-Mass det. time= 18.7 min (780.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	455	0.0	0	0
208.00	455	40.0	2	2
209.99	455	40.0	362	364
210.00	455	100.0	5	369

Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 208.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 10.25 hrs HW=208.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.13 hrs HW=209.12' TW=202.10' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.47 cfs @ 2.48 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.79 cfs @ 12.09 hrs, Volume= 2,778 cf
 Outflow = 0.65 cfs @ 12.15 hrs, Volume= 2,777 cf, Atten= 19%, Lag= 3.8 min
 Discarded = 0.04 cfs @ 10.45 hrs, Volume= 1,627 cf
 Primary = 0.61 cfs @ 12.15 hrs, Volume= 1,151 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.29' @ 12.15 hrs Surf.Area= 688 sf Storage= 358 cf

Plug-Flow detention time= 19.8 min calculated for 2,777 cf (100% of inflow)
 Center-of-Mass det. time= 19.6 min (781.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	688	0.0	0	0
207.00	688	40.0	3	3
208.99	688	40.0	548	550
209.00	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 10.45 hrs HW=207.01' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)

Primary OutFlow Max=0.61 cfs @ 12.15 hrs HW=208.29' TW=204.55' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.61 cfs @ 3.09 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,021 cf, Atten= 12%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.35 hrs, Volume= 1,153 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 868 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.63' @ 12.13 hrs Surf.Area= 474 sf Storage= 216 cf

Plug-Flow detention time= 18.9 min calculated for 2,017 cf (100% of inflow)

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Center-of-Mass det. time= 18.7 min (780.8 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.49'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.49	474	0.0	0	0
205.50	474	40.0	2	2
207.49	474	40.0	377	379
207.50	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.00' / 205.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 10.35 hrs HW=205.51' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.13 hrs HW=206.62' TW=201.75' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.47 cfs @ 2.48 fps)**Summary for Pond DE7: DRIP #7**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 893 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 893 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 696 cf
 Primary = 0.15 cfs @ 12.20 hrs, Volume= 197 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.37' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.7 min calculated for 891 cf (100% of inflow)

Center-of-Mass det. time= 65.5 min (832.3 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	290	0.0	0	0
210.50	290	40.0	1	1
213.49	290	40.0	347	348
213.50	290	100.0	3	351

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=210.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.20 hrs HW=212.37' TW=211.52' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.89 fps)**Summary for Pond DE70: DRIP #70**

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,021 cf, Atten= 12%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.05 hrs, Volume= 1,153 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 868 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.03' @ 12.13 hrs Surf.Area= 474 sf Storage= 216 cf

Plug-Flow detention time= 18.9 min calculated for 2,021 cf (100% of inflow)

Center-of-Mass det. time= 18.7 min (780.8 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.89'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.89	474	0.0	0	0
205.90	474	40.0	2	2
207.89	474	40.0	377	379
207.90	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.40'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.40' / 206.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 10.05 hrs HW=205.90' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.13 hrs HW=207.02' TW=201.75' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.47 cfs @ 2.48 fps)**Summary for Pond DE71: DRIP #71**

Inflow Area = 5,851 sf, 88.26% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.79 cfs @ 12.09 hrs, Volume= 2,777 cf
 Outflow = 0.65 cfs @ 12.15 hrs, Volume= 2,777 cf, Atten= 19%, Lag= 3.8 min
 Discarded = 0.04 cfs @ 10.55 hrs, Volume= 1,625 cf
 Primary = 0.61 cfs @ 12.15 hrs, Volume= 1,151 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.79' @ 12.15 hrs Surf.Area= 687 sf Storage= 357 cf

Plug-Flow detention time= 19.7 min calculated for 2,777 cf (100% of inflow)

Center-of-Mass det. time= 19.6 min (781.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.49'	831 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.49	687	0.0	0	0
206.50	687	40.0	3	3
209.49	687	40.0	822	824
209.50	687	100.0	7	831

Device	Routing	Invert	Outlet Devices
#1	Primary	209.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.00' / 206.95' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 10.55 hrs HW=206.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.61 cfs @ 12.15 hrs HW=207.79' TW=201.85' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.61 cfs @ 3.09 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,108 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,108 cf, Atten= 21%, Lag= 4.2 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 754 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 354 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.71' @ 12.16 hrs Surf.Area= 272 sf Storage= 230 cf

Plug-Flow detention time= 60.3 min calculated for 1,108 cf (100% of inflow)
 Center-of-Mass det. time= 60.2 min (822.2 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	272	0.0	0	0
211.60	272	40.0	1	1
214.59	272	40.0	325	326
214.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.10' / 213.05' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=211.62' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=213.70' TW=211.51' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.67 fps)

Summary for Pond DE9: DRIP #9

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,300 cf
 Outflow = 0.28 cfs @ 12.17 hrs, Volume= 1,300 cf, Atten= 26%, Lag= 4.7 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 887 cf
 Primary = 0.26 cfs @ 12.17 hrs, Volume= 413 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.07' @ 12.17 hrs Surf.Area= 321 sf Storage= 280 cf

Plug-Flow detention time= 60.7 min calculated for 1,300 cf (100% of inflow)

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Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.89'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.89	321	0.0	0	0
211.90	321	40.0	1	1
214.89	321	40.0	384	385
214.90	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.80'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.40'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.40' / 213.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=211.90' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.25 cfs @ 12.17 hrs HW=214.06' TW=211.51' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.25 cfs @ 2.90 fps)**Summary for Pond DECH: DRIP #CH**

Inflow Area = 5,319 sf, 84.40% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.72 cfs @ 12.09 hrs, Volume= 2,473 cf
 Outflow = 0.42 cfs @ 12.26 hrs, Volume= 2,473 cf, Atten= 42%, Lag= 10.2 min
 Discarded = 0.04 cfs @ 10.65 hrs, Volume= 1,456 cf
 Primary = 0.38 cfs @ 12.26 hrs, Volume= 1,017 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.62' @ 12.21 hrs Surf.Area= 636 sf Storage= 415 cf

Plug-Flow detention time= 20.8 min calculated for 2,468 cf (100% of inflow)

Center-of-Mass det. time= 20.7 min (787.5 - 766.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	770 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	636	0.0	0	0
208.00	636	40.0	3	3
210.99	636	40.0	761	763
211.00	636	100.0	6	770

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	4.0" Round Culvert L= 80.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 205.10' S= 0.0425 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 10.65 hrs HW=208.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.26 hrs HW=209.58' TW=205.89' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Outlet Controls 0.38 cfs @ 4.38 fps)**Summary for Pond P204: STORMTECH INFILTRATION SYSTEM**

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth > 4.38" for 25YR event
 Inflow = 4.28 cfs @ 12.09 hrs, Volume= 14,136 cf
 Outflow = 0.64 cfs @ 12.62 hrs, Volume= 7,985 cf, Atten= 85%, Lag= 31.8 min
 Discarded = 0.06 cfs @ 9.00 hrs, Volume= 4,216 cf
 Primary = 0.58 cfs @ 12.62 hrs, Volume= 3,769 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.38' @ 12.62 hrs Surf.Area= 3,960 sf Storage= 7,252 cf

Plug-Flow detention time= 192.2 min calculated for 7,985 cf (56% of inflow)

Center-of-Mass det. time= 83.3 min (852.2 - 769.0)

Volume	Invert	Avail.Storage	Storage Description
#1A	202.50'	5,144 cf	58.50'W x 67.70'L x 4.50'H STORMTECH SC-740 17,821 cf Overall - 4,962 cf Embedded = 12,860 cf x 40.0% Voids
#2A	203.50'	4,962 cf	ADS_StormTech SC-740 +Cap x 108 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 108 Chambers in 12 Rows
		10,105 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	203.00'	12.0" Round Culvert L= 40.0' Ke= 0.200 Inlet / Outlet Invert= 203.00' / 202.00' S= 0.0250 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	205.00'	12.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Discarded	202.50'	0.660 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.06 cfs @ 9.00 hrs HW=202.55' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.57 cfs @ 12.62 hrs HW=205.38' TW=200.01' (Dynamic Tailwater)↑ **1=Culvert** (Passes 0.57 cfs of 6.20 cfs potential flow)↑ **2=Orifice/Grate** (Orifice Controls 0.57 cfs @ 2.10 fps)**Summary for Pond P205: EXTENDED DETENTION WETLAND #2**

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 3.34" for 25YR event
 Inflow = 19.15 cfs @ 12.16 hrs, Volume= 84,569 cf
 Outflow = 3.97 cfs @ 12.87 hrs, Volume= 48,201 cf, Atten= 79%, Lag= 42.9 min
 Primary = 3.97 cfs @ 12.87 hrs, Volume= 48,201 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Starting Elev= 197.00' Surf.Area= 5,209 sf Storage= 7,089 cf

Peak Elev= 201.95' @ 12.87 hrs Surf.Area= 13,359 sf Storage= 53,604 cf (46,515 cf above start)

Plug-Flow detention time= 335.6 min calculated for 41,113 cf (49% of inflow)

Center-of-Mass det. time= 180.2 min (1,001.4 - 821.2)

Volume	Invert	Avail.Storage	Storage Description
#1	195.00'	76,784 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
195.00	2,516	0	0
196.00	3,226	2,871	2,871
198.00	7,192	10,418	13,289
200.00	10,155	17,347	30,636
202.00	13,435	23,590	54,226
203.00	15,165	14,300	68,526
203.50	17,867	8,258	76,784

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	18.0" Round Culvert L= 63.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.00' S= 0.0317 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#3	Device 2	198.00'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	201.80'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=3.94 cfs @ 12.87 hrs HW=201.95' TW=192.22' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Passes 3.94 cfs of 19.41 cfs potential flow)↑ **3=Orifice/Grate** (Orifice Controls 0.82 cfs @ 9.37 fps)↑ **4=Orifice/Grate** (Weir Controls 3.12 cfs @ 1.28 fps)

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Summary for Pond P206: STORMTECH INFILTRATION SYSTEM

Inflow Area = 70,753 sf, 81.42% Impervious, Inflow Depth > 5.64" for 25YR event
 Inflow = 9.48 cfs @ 12.09 hrs, Volume= 33,257 cf
 Outflow = 7.97 cfs @ 12.15 hrs, Volume= 31,117 cf, Atten= 16%, Lag= 3.4 min
 Discarded = 0.17 cfs @ 8.20 hrs, Volume= 11,749 cf
 Primary = 7.80 cfs @ 12.15 hrs, Volume= 19,368 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.23' @ 12.15 hrs Surf.Area= 5,239 sf Storage= 6,026 cf

Plug-Flow detention time= 73.6 min calculated for 31,052 cf (93% of inflow)

Center-of-Mass det. time= 38.6 min (798.8 - 760.2)

Volume	Invert	Avail.Storage	Storage Description
#1A	194.60'	1,786 cf	39.50'W x 53.46'L x 3.33'H FIELD A 7,038 cf Overall - 2,573 cf Embedded = 4,466 cf x 40.0% Voids
#2A	194.93'	2,573 cf	ADS_StormTech SC-740 +Cap x 56 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 56 Chambers in 8 Rows
#3B	194.60'	2,626 cf	58.50'W x 53.46'L x 3.33'H FIELD B 10,424 cf Overall - 3,859 cf Embedded = 6,565 cf x 40.0% Voids
#4B	194.93'	3,859 cf	ADS_StormTech SC-740 +Cap x 84 Inside #3 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 84 Chambers in 12 Rows
		10,844 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	18.0" Round Culvert L= 30.0' Ke= 0.200 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	195.50'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#3	Discarded	194.60'	1.400 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.17 cfs @ 8.20 hrs HW=194.64' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.17 cfs)**Primary OutFlow** Max=7.74 cfs @ 12.15 hrs HW=196.22' TW=0.00' (Dynamic Tailwater)↑ **1=Culvert** (Passes 7.74 cfs of 10.02 cfs potential flow)↑ **2=Sharp-Crested Rectangular Weir** (Weir Controls 7.74 cfs @ 2.78 fps)

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Summary for Pond P207: INFILTRATION POND #2

Inflow Area = 158,781 sf, 56.16% Impervious, Inflow Depth > 4.58" for 25YR event
 Inflow = 18.14 cfs @ 12.09 hrs, Volume= 60,656 cf
 Outflow = 5.01 cfs @ 12.46 hrs, Volume= 57,091 cf, Atten= 72%, Lag= 22.1 min
 Discarded = 0.80 cfs @ 12.46 hrs, Volume= 31,504 cf
 Primary = 4.21 cfs @ 12.46 hrs, Volume= 25,586 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 197.74' @ 12.46 hrs Surf.Area= 9,348 sf Storage= 23,316 cf

Plug-Flow detention time= 123.6 min calculated for 56,972 cf (94% of inflow)
 Center-of-Mass det. time= 91.6 min (876.6 - 785.0)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	47,983 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	2,100	0	0
196.00	7,000	9,100	9,100
198.00	9,700	16,700	25,800
200.00	12,483	22,183	47,983

Device	Routing	Invert	Outlet Devices
#1	Primary	198.85'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.50' S= 0.0375 ' S= 0.0375 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	194.00'	3.690 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.80 cfs @ 12.46 hrs HW=197.74' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.80 cfs)

Primary OutFlow Max=4.21 cfs @ 12.46 hrs HW=197.74' TW=0.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Inlet Controls 4.21 cfs @ 5.36 fps)

Summary for Pond P210: EXTENDED DETENTION WETLAND #1

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 4.41" for 25YR event
 Inflow = 12.53 cfs @ 12.09 hrs, Volume= 40,900 cf
 Outflow = 3.54 cfs @ 12.45 hrs, Volume= 33,520 cf, Atten= 72%, Lag= 21.5 min
 Primary = 3.54 cfs @ 12.45 hrs, Volume= 33,520 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Starting Elev= 201.00' Surf.Area= 3,625 sf Storage= 4,061 cf
 Peak Elev= 203.94' @ 12.45 hrs Surf.Area= 9,053 sf Storage= 22,779 cf (18,718 cf above start)

Plug-Flow detention time= 196.7 min calculated for 29,397 cf (72% of inflow)

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Center-of-Mass det. time= 87.2 min (876.3 - 789.1)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	50,632 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	1,080	0	0
200.00	1,709	1,395	1,395
202.00	5,540	7,249	8,644
204.00	9,167	14,707	23,351
206.00	11,901	21,068	44,419
206.50	12,952	6,213	50,632

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	20.0' long x 15.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	202.25'	12.0" Round Culvert L= 44.0' Ke= 0.500 Inlet / Outlet Invert= 202.25' / 202.03' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	202.25'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	199.00'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=3.54 cfs @ 12.45 hrs HW=203.94' TW=202.24' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

2=Culvert (Barrel Controls 3.54 cfs @ 4.50 fps)

3=Orifice/Grate (Passes < 0.52 cfs potential flow)

4=Orifice/Grate (Passes < 56.29 cfs potential flow)

Summary for Pond P212: INFILTRATION POND #1

Inflow Area = 273,385 sf, 52.58% Impervious, Inflow Depth > 4.43" for 25YR event
 Inflow = 25.29 cfs @ 12.11 hrs, Volume= 100,970 cf
 Outflow = 9.95 cfs @ 12.50 hrs, Volume= 100,946 cf, Atten= 61%, Lag= 23.2 min
 Discarded = 2.08 cfs @ 12.50 hrs, Volume= 73,765 cf
 Primary = 7.87 cfs @ 12.50 hrs, Volume= 27,181 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.67' @ 12.50 hrs Surf.Area= 17,513 sf Storage= 36,105 cf

Plug-Flow detention time= 94.5 min calculated for 100,736 cf (100% of inflow)

Center-of-Mass det. time= 94.1 min (883.7 - 789.5)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	62,106 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	9,642	0	0
202.00	15,371	25,013	25,013
204.00	21,722	37,093	62,106

Device	Routing	Invert	Outlet Devices
#1	Primary	202.50'	25.0' long x 20.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	201.30'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 201.30' / 201.10' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	200.00'	5.130 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=2.08 cfs @ 12.50 hrs HW=202.67' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 2.08 cfs)**Primary OutFlow** Max=7.86 cfs @ 12.50 hrs HW=202.67' TW=200.15' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Weir Controls 4.88 cfs @ 1.12 fps)↑ **2=Culvert** (Barrel Controls 2.98 cfs @ 3.79 fps)**Summary for Link AP1: ANALYSIS POINT 1**

Inflow Area = 11,566 sf, 80.52% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 1.50 cfs @ 12.09 hrs, Volume= 5,048 cf
 Primary = 1.50 cfs @ 12.09 hrs, Volume= 5,048 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 815,950 sf, 13.20% Impervious, Inflow Depth > 3.59" for 25YR event
 Inflow = 30.39 cfs @ 12.41 hrs, Volume= 243,968 cf
 Primary = 30.39 cfs @ 12.41 hrs, Volume= 243,968 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 46,924 sf, 0.00% Impervious, Inflow Depth > 3.43" for 25YR event
 Inflow = 4.25 cfs @ 12.09 hrs, Volume= 13,401 cf
 Primary = 4.25 cfs @ 12.09 hrs, Volume= 13,401 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Summary for Link AP4: ANALYSIS POINT #4

Inflow Area = 1,699,480 sf, 28.03% Impervious, Inflow Depth > 2.17" for 25YR event
Inflow = 41.63 cfs @ 12.27 hrs, Volume= 307,130 cf
Primary = 41.63 cfs @ 12.27 hrs, Volume= 307,130 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

SubcatchmentB1: MULTIFAMILY BLDG	Runoff Area=25,099 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=5.01 cfs 18,436 cf
SubcatchmentB2: MULTIFAMILY BLDG	Runoff Area=17,602 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=3.51 cfs 12,929 cf
SubcatchmentC1: CB #1	Runoff Area=27,330 sf 31.14% Impervious Runoff Depth>5.62" Flow Length=413' Tc=16.1 min CN=72 Runoff=3.04 cfs 12,800 cf
SubcatchmentC10: CB #10	Runoff Area=9,925 sf 94.45% Impervious Runoff Depth>8.69" Tc=6.0 min CN=97 Runoff=1.98 cfs 7,191 cf
SubcatchmentC11: CB #11	Runoff Area=14,065 sf 48.61% Impervious Runoff Depth>7.36" Tc=6.0 min CN=86 Runoff=2.59 cfs 8,623 cf
SubcatchmentC12: CB #12	Runoff Area=9,598 sf 47.53% Impervious Runoff Depth>7.23" Tc=6.0 min CN=85 Runoff=1.75 cfs 5,787 cf
SubcatchmentC13: CB #13	Runoff Area=7,833 sf 70.99% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=1.51 cfs 5,201 cf
SubcatchmentC14: CB #14	Runoff Area=12,504 sf 71.98% Impervious Runoff Depth>6.99" Tc=6.0 min CN=83 Runoff=2.22 cfs 7,283 cf
SubcatchmentC15: CB #15	Runoff Area=4,895 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.98 cfs 3,596 cf
SubcatchmentC16: CB #16	Runoff Area=8,326 sf 65.96% Impervious Runoff Depth>6.62" Tc=6.0 min CN=80 Runoff=1.42 cfs 4,593 cf
SubcatchmentC17: CB #17	Runoff Area=11,309 sf 74.12% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=2.20 cfs 7,623 cf
SubcatchmentC18: CB #18	Runoff Area=19,092 sf 48.21% Impervious Runoff Depth>7.36" Tc=6.0 min CN=86 Runoff=3.52 cfs 11,705 cf
SubcatchmentC2: CB #2	Runoff Area=18,869 sf 73.64% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=3.61 cfs 12,337 cf
SubcatchmentC20: CB #20	Runoff Area=15,474 sf 80.34% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=3.03 cfs 10,587 cf
SubcatchmentC21: CB #21	Runoff Area=11,800 sf 93.49% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=2.32 cfs 8,193 cf
SubcatchmentC22: CB #22	Runoff Area=9,287 sf 87.71% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=1.84 cfs 6,635 cf

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SubcatchmentC23: CB #23	Runoff Area=3,194 sf 63.15% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.62 cfs 2,121 cf
SubcatchmentC24: CB #24	Runoff Area=2,843 sf 88.46% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=0.56 cfs 2,031 cf
SubcatchmentC25: CB #25	Runoff Area=8,812 sf 96.03% Impervious Runoff Depth>8.69" Tc=6.0 min CN=97 Runoff=1.75 cfs 6,384 cf
SubcatchmentC26: CB #26	Runoff Area=12,787 sf 75.08% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=2.51 cfs 8,878 cf
SubcatchmentC27: CB #27	Runoff Area=8,906 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=1.78 cfs 6,542 cf
SubcatchmentC28: CB #28	Runoff Area=10,173 sf 52.35% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=1.91 cfs 6,444 cf
SubcatchmentC29: CB #29	Runoff Area=6,042 sf 80.24% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=1.18 cfs 4,134 cf
SubcatchmentC3: CB #3	Runoff Area=16,074 sf 74.25% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=3.02 cfs 10,182 cf
SubcatchmentC30: CB #30	Runoff Area=11,846 sf 63.21% Impervious Runoff Depth>7.72" Tc=6.0 min CN=89 Runoff=2.25 cfs 7,625 cf
SubcatchmentC31: CB #31	Runoff Area=13,042 sf 58.40% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=2.45 cfs 8,262 cf
SubcatchmentC32: CB #32	Runoff Area=10,868 sf 65.38% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=2.08 cfs 7,105 cf
SubcatchmentC33: CB #33	Runoff Area=4,342 sf 79.50% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=0.85 cfs 2,971 cf
SubcatchmentC34: CB #34	Runoff Area=5,967 sf 75.68% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=1.16 cfs 4,022 cf
SubcatchmentC35: CB #35	Runoff Area=2,891 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.58 cfs 2,124 cf
SubcatchmentC36: CB #36	Runoff Area=6,229 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=1.24 cfs 4,575 cf
SubcatchmentC37: CB #37	Runoff Area=1,192 sf 94.21% Impervious Runoff Depth>8.69" Tc=6.0 min CN=97 Runoff=0.24 cfs 864 cf
SubcatchmentC38: CB #38	Runoff Area=21,247 sf 76.54% Impervious Runoff Depth>7.72" Tc=6.0 min CN=89 Runoff=4.03 cfs 13,675 cf
SubcatchmentC39: CB #39	Runoff Area=7,773 sf 98.44% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=1.55 cfs 5,710 cf

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SubcatchmentC4: CB #4	Runoff Area=43,215 sf 22.90% Impervious Runoff Depth>5.24" Flow Length=545' Tc=21.4 min CN=69 Runoff=4.00 cfs 18,880 cf
SubcatchmentC40: CB #40	Runoff Area=4,552 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.91 cfs 3,344 cf
SubcatchmentC41: CB #41	Runoff Area=12,750 sf 69.28% Impervious Runoff Depth>7.48" Tc=6.0 min CN=87 Runoff=2.37 cfs 7,947 cf
SubcatchmentC42: CB #42	Runoff Area=11,269 sf 36.46% Impervious Runoff Depth>5.88" Tc=6.0 min CN=74 Runoff=1.74 cfs 5,521 cf
SubcatchmentC43: CB #43	Runoff Area=4,084 sf 81.61% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.79 cfs 2,712 cf
SubcatchmentC44: CB #44	Runoff Area=1,662 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.33 cfs 1,221 cf
SubcatchmentC45: CB #45	Runoff Area=2,109 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.42 cfs 1,549 cf
SubcatchmentC46: CB #46	Runoff Area=1,371 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.27 cfs 1,007 cf
SubcatchmentC47: CB#47	Runoff Area=3,004 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.60 cfs 2,207 cf
SubcatchmentC48: CB#48	Runoff Area=60,065 sf 25.95% Impervious Runoff Depth>5.38" Flow Length=400' Tc=11.8 min CN=70 Runoff=7.15 cfs 26,914 cf
SubcatchmentC49: CB#49	Runoff Area=1,659 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.33 cfs 1,219 cf
SubcatchmentC5: CB #5	Runoff Area=1,456 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.29 cfs 1,069 cf
SubcatchmentC50: CB#50	Runoff Area=6,448 sf 27.62% Impervious Runoff Depth>5.51" Tc=6.0 min CN=71 Runoff=0.94 cfs 2,959 cf
SubcatchmentC6: CB #6	Runoff Area=1,704 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.34 cfs 1,252 cf
SubcatchmentC7: CB #7	Runoff Area=12,750 sf 47.72% Impervious Runoff Depth>6.50" Tc=6.0 min CN=79 Runoff=2.14 cfs 6,903 cf
SubcatchmentC8: CB #8	Runoff Area=38,601 sf 25.40% Impervious Runoff Depth>5.37" Flow Length=520' Tc=18.2 min CN=70 Runoff=3.91 cfs 17,274 cf
SubcatchmentC9: CB #9	Runoff Area=13,846 sf 80.54% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=2.71 cfs 9,473 cf

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SubcatchmentCH1: CLUBHOUSE	Runoff Area=5,319 sf 84.40% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=1.05 cfs 3,693 cf
SubcatchmentH1: SF #1	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,902 cf
SubcatchmentH10: SF #10	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,714 cf
SubcatchmentH11: SF #11	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.54 cfs 1,929 cf
SubcatchmentH12: SF #12	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=0.66 cfs 2,372 cf
SubcatchmentH13: SF #13	Runoff Area=4,097 sf 90.68% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=0.81 cfs 2,927 cf
SubcatchmentH14: SF #14	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,714 cf
SubcatchmentH15: SF #15	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.38 cfs 1,334 cf
SubcatchmentH16: SF #16	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,714 cf
SubcatchmentH17: SF #17	Runoff Area=1,970 sf 85.94% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=0.38 cfs 1,288 cf
SubcatchmentH18: SF #18	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.53 cfs 1,819 cf
SubcatchmentH19: SF #19	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.47 cfs 1,615 cf
SubcatchmentH2: SF #2	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=0.37 cfs 1,295 cf
SubcatchmentH20: SF #20	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=0.37 cfs 1,256 cf
SubcatchmentH21: SF #21	Runoff Area=1,961 sf 86.33% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.38 cfs 1,302 cf
SubcatchmentH22: SF #22	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=0.66 cfs 2,372 cf
SubcatchmentH23: SF #23	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,644 cf
SubcatchmentH24: SF #24	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.54 cfs 1,929 cf

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SubcatchmentH25: SF #25	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.54 cfs 1,929 cf
SubcatchmentH26: SF #26	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,644 cf
SubcatchmentH27: SF #27	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,714 cf
SubcatchmentH28: SF #28	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,714 cf
SubcatchmentH29: SF #29	Runoff Area=2,335 sf 88.31% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,645 cf
SubcatchmentH3: SF #3	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf
SubcatchmentH30: SF #30	Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.54 cfs 1,931 cf
SubcatchmentH31: SF #31	Runoff Area=2,748 sf 88.03% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.54 cfs 1,936 cf
SubcatchmentH32: SF #32	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,644 cf
SubcatchmentH33: SF #33	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.38 cfs 1,334 cf
SubcatchmentH34: SF #34	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.81 cfs 2,886 cf
SubcatchmentH35: SF #35	Runoff Area=4,098 sf 90.65% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.81 cfs 2,886 cf
SubcatchmentH36: SF #36	Runoff Area=3,320 sf 91.42% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=0.66 cfs 2,372 cf
SubcatchmentH37: SF #37	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.66 cfs 2,340 cf
SubcatchmentH38: SF #38	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,902 cf
SubcatchmentH39: SF #39	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf
SubcatchmentH4: SF #4	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,902 cf

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SubcatchmentH40: SF #40	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,902 cf
SubcatchmentH41: SF #41	Runoff Area=2,740 sf 88.28% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,902 cf
SubcatchmentH42: SF #42	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.48 cfs 1,689 cf
SubcatchmentH43: SF #43	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf
SubcatchmentH44: SF #44	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,902 cf
SubcatchmentH45: SF #45	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf
SubcatchmentH46: SF #46	Runoff Area=3,322 sf 91.36% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.66 cfs 2,340 cf
SubcatchmentH47: SF #47	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=0.37 cfs 1,295 cf
SubcatchmentH48: SF #48	Runoff Area=2,433 sf 88.08% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.48 cfs 1,689 cf
SubcatchmentH5: SF #5	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf
SubcatchmentH6: SF #6	Runoff Area=2,443 sf 87.72% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf
SubcatchmentH7: SF #7	Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.38 cfs 1,334 cf
SubcatchmentH8: SF #8	Runoff Area=2,334 sf 88.35% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,644 cf
SubcatchmentH9: SF #9	Runoff Area=2,739 sf 88.28% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.54 cfs 1,929 cf
SubcatchmentS201: SUMMER STREET	Runoff Area=11,566 sf 80.52% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=2.23 cfs 7,679 cf
SubcatchmentS202: EXISTING WETLAND	Runoff Area=398,747 sf 3.53% Impervious Runoff Depth>6.23" Flow Length=1,049' Tc=21.5 min CN=77 Runoff=43.38 cfs 207,090 cf
SubcatchmentS203: INFILTRATION POND	Runoff Area=38,602 sf 8.41% Impervious Runoff Depth>6.25" Tc=6.0 min CN=77 Runoff=6.27 cfs 20,105 cf
SubcatchmentS204: EXISTING WETLANDS	Runoff Area=265,983 sf 0.00% Impervious Runoff Depth>6.48" Flow Length=632' Tc=22.6 min CN=79 Runoff=29.33 cfs 143,577 cf

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Subcatchment S205: ISOLATED WETLAND	Runoff Area=46,924 sf 0.00% Impervious Runoff Depth>5.88" Tc=6.0 min CN=74 Runoff=7.23 cfs 22,989 cf
Subcatchment S206: OVERLAND FLOW	Runoff Area=652,894 sf 0.00% Impervious Runoff Depth>4.75" Flow Length=795' Tc=19.2 min CN=65 Runoff=57.25 cfs 258,410 cf
Subcatchment S207: INFILTRATION POND	Runoff Area=23,952 sf 0.00% Impervious Runoff Depth>6.87" Tc=6.0 min CN=82 Runoff=4.20 cfs 13,705 cf
Subcatchment S208:	Runoff Area=15,289 sf 0.00% Impervious Runoff Depth>5.63" Tc=6.0 min CN=72 Runoff=2.26 cfs 7,175 cf
Subcatchment S209: WETLAND C	Runoff Area=108,678 sf 0.00% Impervious Runoff Depth>5.72" Flow Length=607' Tc=39.8 min CN=73 Runoff=8.28 cfs 51,773 cf
Subcatchment S210: INFILTRATION	Runoff Area=114,960 sf 21.67% Impervious Runoff Depth>7.10" Flow Length=580' Slope=0.0150 '/' Tc=16.5 min CN=84 Runoff=15.48 cfs 68,014 cf
Subcatchment S211: CUL-DE-SAC POND	Runoff Area=45,277 sf 0.00% Impervious Runoff Depth>5.86" Flow Length=528' Slope=0.0400 '/' Tc=22.0 min CN=74 Runoff=4.62 cfs 22,114 cf
Subcatchment S212: SWALE	Runoff Area=30,844 sf 0.00% Impervious Runoff Depth>6.11" Flow Length=150' Slope=0.0050 '/' Tc=18.8 min CN=76 Runoff=3.49 cfs 15,710 cf
Subcatchment S213: COURTYARD	Runoff Area=21,974 sf 14.16% Impervious Runoff Depth>4.76" Tc=6.0 min CN=65 Runoff=2.76 cfs 8,722 cf
Subcatchment T1: Trench Drain 1	Runoff Area=13,788 sf 62.94% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=2.66 cfs 9,154 cf
Subcatchment T2: Drive Under B2	Runoff Area=4,607 sf 63.97% Impervious Runoff Depth>6.25" Tc=6.0 min CN=77 Runoff=0.75 cfs 2,399 cf
Subcatchment TH1: TOWN HOUSE #1	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=1.15 cfs 4,063 cf
Subcatchment TH10: TOWN HOUSE #10	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.84 cfs 3,000 cf
Subcatchment TH11: TOWN HOUSE #11	Runoff Area=5,851 sf 88.26% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=1.16 cfs 4,121 cf
Subcatchment TH2: TOWN HOUSE #2	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=1.15 cfs 4,063 cf
Subcatchment TH3: TOWN HOUSE #3	Runoff Area=3,423 sf 88.11% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.68 cfs 2,411 cf
Subcatchment TH4: TOWN HOUSE #4	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.84 cfs 3,000 cf

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Subcatchment TH5: TOWN HOUSE #5	Runoff Area=3,423 sf 88.14% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.68 cfs 2,411 cf
Subcatchment TH6: TOWN HOUSE #6	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.84 cfs 2,987 cf
Subcatchment TH7: TOWN HOUSE #7	Runoff Area=4,240 sf 89.27% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.84 cfs 2,987 cf
Subcatchment TH8: TOWN HOUSE #8	Runoff Area=5,852 sf 88.24% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=1.16 cfs 4,122 cf
Subcatchment TH9: TOWN HOUSE #9	Runoff Area=4,259 sf 88.87% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.84 cfs 3,000 cf
Reach 1R: OVERLAND FLOW	Avg. Flow Depth=0.04' Max Vel=0.05 fps Inflow=1.75 cfs 3,640 cf n=0.400 L=1,350.0' S=0.0133 ' Capacity=22.21 cfs Outflow=0.11 cfs 2,560 cf
Reach 2R: OVERLAND FLOW	Avg. Flow Depth=0.01' Max Vel=0.02 fps Inflow=0.36 cfs 739 cf n=0.400 L=925.0' S=0.0124 ' Capacity=21.45 cfs Outflow=0.02 cfs 449 cf
Reach 3R: OVERLAND FLOW	Avg. Flow Depth=0.07' Max Vel=0.08 fps Inflow=1.02 cfs 2,070 cf n=0.400 L=475.0' S=0.0174 ' Capacity=20.48 cfs Outflow=0.23 cfs 1,981 cf
Reach 4R: OVERLAND FLOW	Avg. Flow Depth=0.09' Max Vel=0.13 fps Inflow=1.73 cfs 3,555 cf n=0.400 L=427.0' S=0.0281 ' Capacity=32.25 cfs Outflow=0.61 cfs 3,504 cf
Reach 7R: OVERLAND FLOW	Avg. Flow Depth=0.06' Max Vel=0.09 fps Inflow=1.49 cfs 2,973 cf n=0.400 L=690.0' S=0.0261 ' Capacity=31.07 cfs Outflow=0.24 cfs 2,761 cf
Reach 8R: OVERLAND FLOW	Avg. Flow Depth=0.06' Max Vel=0.09 fps Inflow=1.13 cfs 2,561 cf n=0.400 L=590.0' S=0.0305 ' Capacity=33.60 cfs Outflow=0.27 cfs 2,445 cf
Reach 9R: OVERLAND FLOW	Avg. Flow Depth=0.17' Max Vel=0.22 fps Inflow=2.13 cfs 3,419 cf n=0.400 L=380.0' S=0.0368 ' Capacity=19.23 cfs Outflow=0.97 cfs 3,407 cf
Reach 12R: OVERLAND FLOW	Avg. Flow Depth=0.20' Max Vel=0.19 fps Inflow=3.27 cfs 7,154 cf n=0.400 L=250.0' S=0.0240 ' Capacity=29.80 cfs Outflow=2.01 cfs 7,145 cf
Reach 13R: OVERLAND FLOW	Avg. Flow Depth=0.04' Max Vel=0.06 fps Inflow=0.87 cfs 2,077 cf n=0.400 L=660.0' S=0.0152 ' Capacity=23.68 cfs Outflow=0.13 cfs 1,826 cf
Reach 14R: OVERLAND FLOW	Avg. Flow Depth=0.17' Max Vel=0.18 fps Inflow=4.56 cfs 18,126 cf n=0.400 L=940.0' S=0.0255 ' Capacity=30.74 cfs Outflow=1.51 cfs 16,800 cf
Reach 15R: OVERLAND FLOW	Avg. Flow Depth=0.36' Max Vel=0.26 fps Inflow=5.05 cfs 57,193 cf n=0.400 L=300.0' S=0.0200 ' Capacity=27.21 cfs Outflow=4.79 cfs 56,331 cf
Reach 16R: OVERLAND FLOW	Avg. Flow Depth=0.02' Max Vel=0.04 fps Inflow=0.47 cfs 1,310 cf n=0.400 L=1,200.0' S=0.0250 ' Capacity=30.42 cfs Outflow=0.03 cfs 883 cf
Reach 18R: OVERLAND FLOW	Avg. Flow Depth=0.74' Max Vel=0.62 fps Inflow=27.79 cfs 103,841 cf n=0.400 L=120.0' S=0.0500 ' Capacity=44.93 cfs Outflow=26.48 cfs 103,284 cf

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Reach 20R: OVERLAND FLOW Avg. Flow Depth=0.16' Max Vel=0.11 fps Inflow=3.15 cfs 11,290 cf
n=0.400 L=560.0' S=0.0093 '/' Capacity=18.54 cfs Outflow=0.87 cfs 10,658 cf

Reach 21R: TRENCH DRAIN Avg. Flow Depth=0.78' Max Vel=4.02 fps Inflow=2.66 cfs 9,154 cf
12.0" Round Pipe n=0.012 L=65.7' S=0.0052 '/' Capacity=2.78 cfs Outflow=2.66 cfs 9,153 cf

Reach 23R: OVERLAND FLOW Avg. Flow Depth=0.92' Max Vel=0.25 fps Inflow=16.24 cfs 132,893 cf
n=0.800 L=180.0' S=0.0278 '/' Capacity=18.32 cfs Outflow=15.68 cfs 132,037 cf

Reach R202: OVERLAND FLOW Avg. Flow Depth=0.72' Max Vel=0.29 fps Inflow=43.38 cfs 207,090 cf
n=0.400 L=700.0' S=0.0114 '/' Capacity=43.95 cfs Outflow=24.62 cfs 200,172 cf

Reach R211: OVERLAND FLOW Avg. Flow Depth=0.71' Max Vel=0.24 fps Inflow=27.37 cfs 69,243 cf
n=0.400 L=600.0' S=0.0087 '/' Capacity=20.47 cfs Outflow=10.88 cfs 68,592 cf

Pond 19R: DRIVEWAY D CROSS PIPE Peak Elev=196.49' Storage=14,491 cf Inflow=19.85 cfs 133,424 cf
24.0" Round Culvert n=0.012 L=30.0' S=0.0050 '/' Outflow=16.24 cfs 132,893 cf

Pond CB1: CB#1 Peak Elev=209.22' Inflow=3.04 cfs 12,800 cf
12.0" Round Culvert n=0.013 L=14.1' S=0.0050 '/' Outflow=3.04 cfs 12,800 cf

Pond CB10: CB #10 Peak Elev=211.18' Inflow=1.98 cfs 7,191 cf
12.0" Round Culvert n=0.013 L=33.8' S=0.0050 '/' Outflow=1.98 cfs 7,191 cf

Pond CB11: CB #11 Peak Elev=211.37' Inflow=2.59 cfs 8,623 cf
12.0" Round Culvert n=0.013 L=26.3' S=0.0103 '/' Outflow=2.59 cfs 8,623 cf

Pond CB12: CB #12 Peak Elev=210.57' Inflow=1.75 cfs 5,787 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=1.75 cfs 5,787 cf

Pond CB13: CB #13 Peak Elev=210.50' Inflow=1.51 cfs 5,201 cf
12.0" Round Culvert n=0.013 L=14.6' S=0.0048 '/' Outflow=1.51 cfs 5,201 cf

Pond CB14: CB #14 Peak Elev=202.90' Inflow=2.22 cfs 7,283 cf
12.0" Round Culvert n=0.013 L=23.2' S=0.0052 '/' Outflow=2.22 cfs 7,283 cf

Pond CB15: CB #15 Peak Elev=202.62' Inflow=0.98 cfs 3,596 cf
12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/' Outflow=0.98 cfs 3,596 cf

Pond CB16: CB #16 Peak Elev=204.21' Inflow=1.42 cfs 4,593 cf
12.0" Round Culvert n=0.013 L=20.9' S=0.0067 '/' Outflow=1.42 cfs 4,593 cf

Pond CB17: CB #17 Peak Elev=207.33' Inflow=2.20 cfs 7,623 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0049 '/' Outflow=2.20 cfs 7,623 cf

Pond CB18: CB #18 Peak Elev=208.00' Inflow=3.80 cfs 13,579 cf
12.0" Round Culvert n=0.013 L=16.2' S=0.0049 '/' Outflow=3.80 cfs 13,579 cf

Pond CB19: CB #19 Peak Elev=204.63' Inflow=2.76 cfs 8,722 cf
12.0" Round Culvert n=0.013 L=61.0' S=0.0051 '/' Outflow=2.76 cfs 8,722 cf

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Pond CB2: CB#2

Peak Elev=207.08' Inflow=3.61 cfs 12,337 cf
12.0" Round Culvert n=0.013 L=92.1' S=0.0050 ' ' Outflow=3.61 cfs 12,337 cf

Pond CB20: CB #20

Peak Elev=206.66' Inflow=3.03 cfs 10,587 cf
12.0" Round Culvert n=0.013 L=30.3' S=0.0053 ' ' Outflow=3.03 cfs 10,587 cf

Pond CB21: CB #21

Peak Elev=206.39' Inflow=2.32 cfs 8,193 cf
12.0" Round Culvert n=0.013 L=26.0' S=0.0050 ' ' Outflow=2.32 cfs 8,193 cf

Pond CB22: CB #22

Peak Elev=206.23' Inflow=1.84 cfs 6,635 cf
12.0" Round Culvert n=0.012 L=16.1' S=0.0050 ' ' Outflow=1.84 cfs 6,635 cf

Pond CB23: CB #23

Peak Elev=205.88' Inflow=0.62 cfs 2,121 cf
12.0" Round Culvert n=0.012 L=16.3' S=0.0055 ' ' Outflow=0.62 cfs 2,121 cf

Pond CB24: CB #24

Peak Elev=206.04' Inflow=0.56 cfs 2,031 cf
12.0" Round Culvert n=0.012 L=12.1' S=0.0050 ' ' Outflow=0.56 cfs 2,031 cf

Pond CB25: CB #25

Peak Elev=206.22' Inflow=1.75 cfs 6,384 cf
12.0" Round Culvert n=0.012 L=11.4' S=0.0053 ' ' Outflow=1.75 cfs 6,384 cf

Pond CB26: CB #26

Peak Elev=202.89' Inflow=2.51 cfs 8,878 cf
12.0" Round Culvert n=0.013 L=42.5' S=0.0052 ' ' Outflow=2.51 cfs 8,878 cf

Pond CB27: CB #27

Peak Elev=202.55' Inflow=1.78 cfs 6,542 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0056 ' ' Outflow=1.78 cfs 6,542 cf

Pond CB28: CB #28

Peak Elev=199.76' Inflow=1.91 cfs 6,444 cf
12.0" Round Culvert n=0.013 L=13.7' S=0.0044 ' ' Outflow=1.91 cfs 6,444 cf

Pond CB29: CB #29

Peak Elev=207.36' Inflow=1.18 cfs 4,134 cf
12.0" Round Culvert n=0.013 L=13.5' S=0.0052 ' ' Outflow=1.18 cfs 4,134 cf

Pond CB3: CB#3

Peak Elev=209.16' Inflow=3.02 cfs 10,182 cf
12.0" Round Culvert n=0.013 L=10.2' S=0.0059 ' ' Outflow=3.02 cfs 10,182 cf

Pond CB30: CB #30

Peak Elev=207.62' Inflow=2.25 cfs 7,625 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 ' ' Outflow=2.25 cfs 7,625 cf

Pond CB31: CB #31

Peak Elev=205.35' Inflow=2.45 cfs 8,262 cf
12.0" Round Culvert n=0.013 L=16.4' S=0.0049 ' ' Outflow=2.45 cfs 8,262 cf

Pond CB32: CB #32

Peak Elev=205.24' Inflow=2.08 cfs 7,105 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0049 ' ' Outflow=2.08 cfs 7,105 cf

Pond CB33: CB #33

Peak Elev=206.14' Inflow=0.85 cfs 2,971 cf
12.0" Round Culvert n=0.013 L=11.7' S=0.0051 ' ' Outflow=0.85 cfs 2,971 cf

Pond CB34: CB #34

Peak Elev=206.18' Inflow=1.16 cfs 4,022 cf
12.0" Round Culvert n=0.013 L=16.5' S=0.0048 ' ' Outflow=1.16 cfs 4,022 cf

Pond CB35: CB #35

Peak Elev=207.57' Inflow=0.58 cfs 2,124 cf
12.0" Round Culvert n=0.013 L=15.2' S=0.0053 ' ' Outflow=0.58 cfs 2,124 cf

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Pond CB36: CB #36

Peak Elev=207.75' Inflow=1.24 cfs 4,575 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 ' ' Outflow=1.24 cfs 4,575 cf

Pond CB37: CB #37

Peak Elev=209.31' Inflow=0.24 cfs 864 cf
12.0" Round Culvert n=0.013 L=77.2' S=0.0098 ' ' Outflow=0.24 cfs 864 cf

Pond CB38: CB #38

Peak Elev=212.67' Inflow=4.03 cfs 13,675 cf
12.0" Round Culvert n=0.012 L=22.4' S=0.0094 ' ' Outflow=4.03 cfs 13,675 cf

Pond CB39: CB #39

Peak Elev=211.70' Inflow=1.55 cfs 5,710 cf
12.0" Round Culvert n=0.013 L=17.3' S=0.0052 ' ' Outflow=1.55 cfs 5,710 cf

Pond CB4: CB#4

Peak Elev=213.49' Inflow=4.00 cfs 18,880 cf
15.0" Round Culvert n=0.012 L=13.1' S=0.0046 ' ' Outflow=4.00 cfs 18,880 cf

Pond CB40: CB #40

Peak Elev=215.31' Inflow=0.91 cfs 3,344 cf
12.0" Round Culvert n=0.013 L=26.7' S=0.0049 ' ' Outflow=0.91 cfs 3,344 cf

Pond CB41: CB #41

Peak Elev=215.65' Inflow=2.37 cfs 7,947 cf
12.0" Round Culvert n=0.013 L=18.4' S=0.0049 ' ' Outflow=2.37 cfs 7,947 cf

Pond CB42: CB #42

Peak Elev=218.71' Inflow=1.74 cfs 5,521 cf
12.0" Round Culvert n=0.013 L=58.1' S=0.0076 ' ' Outflow=1.74 cfs 5,521 cf

Pond CB43: CB #43

Peak Elev=220.68' Inflow=0.79 cfs 2,712 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 ' ' Outflow=0.79 cfs 2,712 cf

Pond CB44: CB #44

Peak Elev=220.60' Inflow=0.33 cfs 1,221 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0047 ' ' Outflow=0.33 cfs 1,221 cf

Pond CB45: CB #45

Peak Elev=221.68' Inflow=0.42 cfs 1,549 cf
12.0" Round Culvert n=0.013 L=18.2' S=0.0049 ' ' Outflow=0.42 cfs 1,549 cf

Pond CB46: CB #46

Peak Elev=221.84' Inflow=0.27 cfs 1,007 cf
12.0" Round Culvert n=0.013 L=15.3' S=0.0052 ' ' Outflow=0.27 cfs 1,007 cf

Pond CB47: CB#47

Peak Elev=226.23' Inflow=0.60 cfs 2,207 cf
12.0" Round Culvert n=0.012 L=20.9' S=0.0373 ' ' Outflow=0.60 cfs 2,207 cf

Pond CB48: CB#48

Peak Elev=227.67' Inflow=7.15 cfs 26,914 cf
15.0" Round Culvert n=0.012 L=16.9' S=0.0278 ' ' Outflow=7.15 cfs 26,914 cf

Pond CB49: CB#49

Peak Elev=217.87' Inflow=0.33 cfs 1,219 cf
12.0" Round Culvert n=0.012 L=15.4' S=0.0156 ' ' Outflow=0.33 cfs 1,219 cf

Pond CB5: CB#5

Peak Elev=213.17' Inflow=0.29 cfs 1,069 cf
12.0" Round Culvert n=0.012 L=30.5' S=0.0049 ' ' Outflow=0.29 cfs 1,069 cf

Pond CB50: CB#50

Peak Elev=217.91' Inflow=0.94 cfs 2,959 cf
12.0" Round Culvert n=0.012 L=17.3' S=0.0497 ' ' Outflow=0.94 cfs 2,959 cf

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Pond CB6: CB#6Peak Elev=213.18' Inflow=0.34 cfs 1,252 cf
12.0" Round Culvert n=0.012 L=38.3' S=0.0112 ' Outflow=0.34 cfs 1,252 cf**Pond CB7: CB#7**Peak Elev=215.45' Inflow=2.14 cfs 6,903 cf
12.0" Round Culvert n=0.013 L=104.0' S=0.0088 ' Outflow=2.14 cfs 6,903 cf**Pond CB8: CB#8**Peak Elev=215.72' Inflow=3.91 cfs 17,274 cf
12.0" Round Culvert n=0.013 L=12.1' S=0.0050 ' Outflow=3.91 cfs 17,274 cf**Pond CB9: CB #9**Peak Elev=211.41' Inflow=2.71 cfs 9,473 cf
12.0" Round Culvert n=0.013 L=19.9' S=0.0196 ' Outflow=2.71 cfs 9,473 cf**Pond D1: DMH#1**Peak Elev=205.71' Inflow=24.84 cfs 113,996 cf
30.0" Round Culvert n=0.013 L=24.6' S=0.0049 ' Outflow=24.84 cfs 113,996 cf**Pond D10: DMH #10**Peak Elev=203.87' Inflow=7.42 cfs 25,795 cf
18.0" Round Culvert n=0.013 L=15.6' S=0.0051 ' Outflow=7.42 cfs 25,795 cf**Pond D11: DMH #11**Peak Elev=206.97' Inflow=6.00 cfs 21,202 cf
15.0" Round Culvert n=0.013 L=246.5' S=0.0070 ' Outflow=6.00 cfs 21,202 cf**Pond D12: DMH #12**Peak Elev=206.02' Inflow=5.35 cfs 18,780 cf
12.0" Round Culvert n=0.013 L=41.9' S=0.0050 ' Outflow=5.35 cfs 18,780 cf**Pond D13: DMH #13**Peak Elev=203.99' Inflow=12.88 cfs 44,672 cf
24.0" Round Culvert n=0.013 L=60.1' S=0.0050 ' Outflow=12.88 cfs 44,672 cf**Pond D14: DMH #14**Peak Elev=205.66' Inflow=4.78 cfs 17,171 cf
15.0" Round Culvert n=0.012 L=246.6' S=0.0050 ' Outflow=4.78 cfs 17,171 cf**Pond D16: DMH #16**Peak Elev=206.01' Inflow=2.32 cfs 8,415 cf
15.0" Round Culvert n=0.012 L=103.5' S=0.0050 ' Outflow=2.32 cfs 8,415 cf**Pond D17: DMH #17**Peak Elev=202.33' Inflow=4.29 cfs 15,420 cf
12.0" Round Culvert n=0.013 L=91.6' S=0.0312 ' Outflow=4.29 cfs 15,420 cf**Pond D18: DMH #18**Peak Elev=199.51' Inflow=6.20 cfs 21,864 cf
15.0" Round Culvert n=0.013 L=51.4' S=0.0051 ' Outflow=6.20 cfs 21,864 cf**Pond D19: DMH #19**Peak Elev=207.26' Inflow=3.43 cfs 11,758 cf
12.0" Round Culvert n=0.013 L=82.5' S=0.0092 ' Outflow=3.43 cfs 11,758 cf**Pond D2: DMH#2**Peak Elev=208.41' Inflow=22.04 cfs 101,659 cf
30.0" Round Culvert n=0.013 L=129.9' S=0.0145 ' Outflow=22.04 cfs 101,659 cf**Pond D20: DMH #20**Peak Elev=206.06' Inflow=3.43 cfs 11,758 cf
12.0" Round Culvert n=0.013 L=63.5' S=0.0049 ' Outflow=3.43 cfs 11,758 cf**Pond D21: DMH #21**Peak Elev=204.95' Inflow=12.03 cfs 41,681 cf
24.0" Round Culvert n=0.013 L=72.4' S=0.0050 ' Outflow=12.03 cfs 41,681 cf**Pond D22: DMH #22**Peak Elev=206.07' Inflow=4.06 cfs 14,555 cf
15.0" Round Culvert n=0.013 L=134.2' S=0.0071 ' Outflow=4.06 cfs 14,555 cf

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Pond D23: DMH #23Peak Elev=207.45' Inflow=2.06 cfs 7,563 cf
15.0" Round Culvert n=0.013 L=173.3' S=0.0100 ' ' Outflow=2.06 cfs 7,563 cf**Pond D24: DMH #24**Peak Elev=208.47' Inflow=0.24 cfs 864 cf
12.0" Round Culvert n=0.013 L=140.9' S=0.0077 ' ' Outflow=0.24 cfs 864 cf**Pond D25: DMH #25**Peak Elev=211.54' Inflow=12.41 cfs 42,685 cf
18.0" Round Culvert n=0.012 L=165.0' S=0.0050 ' ' Outflow=12.41 cfs 42,685 cf**Pond D26: DMH #26**Peak Elev=208.40' Inflow=12.41 cfs 42,685 cf
24.0" Round Culvert n=0.013 L=72.0' S=0.0050 ' ' Outflow=12.41 cfs 42,685 cf**Pond D27: DMH #27**Peak Elev=215.26' Inflow=6.83 cfs 23,300 cf
15.0" Round Culvert n=0.012 L=247.1' S=0.0195 ' ' Outflow=6.83 cfs 23,300 cf**Pond D28: DMH #28**Peak Elev=218.11' Inflow=3.55 cfs 12,009 cf
15.0" Round Culvert n=0.013 L=189.5' S=0.0196 ' ' Outflow=3.55 cfs 12,009 cf**Pond D29: DMH #29**Peak Elev=220.57' Inflow=1.81 cfs 6,488 cf
12.0" Round Culvert n=0.013 L=118.4' S=0.0193 ' ' Outflow=1.81 cfs 6,488 cf**Pond D3: DMH#3**Peak Elev=213.17' Inflow=17.05 cfs 78,677 cf
24.0" Round Culvert n=0.012 L=282.0' S=0.0146 ' ' Outflow=17.05 cfs 78,677 cf**Pond D30: DMH #30**Peak Elev=221.43' Inflow=0.69 cfs 2,556 cf
12.0" Round Culvert n=0.013 L=184.2' S=0.0050 ' ' Outflow=0.69 cfs 2,556 cf**Pond D31: DMH#31**Peak Elev=226.21' Inflow=7.59 cfs 29,121 cf
15.0" Round Culvert n=0.012 L=158.7' S=0.0598 ' ' Outflow=7.59 cfs 29,121 cf**Pond D32: DMH#32**Peak Elev=217.87' Inflow=8.58 cfs 33,299 cf
15.0" Round Culvert n=0.012 L=122.0' S=0.0050 ' ' Outflow=8.58 cfs 33,299 cf**Pond D4: DMH#4**Peak Elev=214.53' Inflow=13.51 cfs 57,476 cf
24.0" Round Culvert n=0.012 L=131.1' S=0.0125 ' ' Outflow=13.51 cfs 57,476 cf**Pond D5: DMH #5**Peak Elev=210.91' Inflow=7.27 cfs 25,287 cf
18.0" Round Culvert n=0.013 L=183.0' S=0.0050 ' ' Outflow=7.27 cfs 25,287 cf**Pond D6: DMH #6**Peak Elev=209.72' Inflow=7.27 cfs 25,287 cf
18.0" Round Culvert n=0.013 L=299.7' S=0.0050 ' ' Outflow=7.27 cfs 25,287 cf**Pond D7: DMH #7**Peak Elev=207.70' Inflow=10.53 cfs 36,274 cf
24.0" Round Culvert n=0.013 L=101.8' S=0.0050 ' ' Outflow=10.53 cfs 36,274 cf**Pond D8: DMH #8**Peak Elev=202.56' Inflow=3.20 cfs 10,878 cf
12.0" Round Culvert n=0.013 L=87.7' S=0.0050 ' ' Outflow=3.20 cfs 10,878 cf**Pond D9: DMH #9**Peak Elev=201.46' Inflow=3.20 cfs 10,878 cf
12.0" Round Culvert n=0.013 L=11.9' S=0.0050 ' ' Outflow=3.20 cfs 10,878 cf

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Pond DE1: DRIP #1	Peak Elev=224.65' Storage=342 cf Inflow=0.54 cfs 1,902 cf Discarded=0.02 cfs 1,055 cf Primary=0.39 cfs 847 cf Outflow=0.40 cfs 1,902 cf
Pond DE10: DRIP #10	Peak Elev=214.53' Storage=295 cf Inflow=0.48 cfs 1,714 cf Discarded=0.02 cfs 961 cf Primary=0.36 cfs 753 cf Outflow=0.37 cfs 1,713 cf
Pond DE11: DRIP #11	Peak Elev=213.66' Storage=343 cf Inflow=0.54 cfs 1,929 cf Discarded=0.02 cfs 1,071 cf Primary=0.39 cfs 858 cf Outflow=0.41 cfs 1,929 cf
Pond DE12: DRIP #12	Peak Elev=213.28' Storage=295 cf Inflow=0.66 cfs 2,372 cf Discarded=0.02 cfs 1,038 cf Primary=0.47 cfs 1,334 cf Outflow=0.49 cfs 2,372 cf
Pond DE13: DRIP #13	Peak Elev=212.91' Storage=446 cf Inflow=0.81 cfs 2,927 cf Discarded=0.02 cfs 1,421 cf Primary=0.76 cfs 1,505 cf Outflow=0.78 cfs 2,927 cf
Pond DE14: DRIP #14	Peak Elev=210.93' Storage=295 cf Inflow=0.48 cfs 1,714 cf Discarded=0.02 cfs 961 cf Primary=0.36 cfs 753 cf Outflow=0.37 cfs 1,713 cf
Pond DE15: DRIP #15	Peak Elev=210.05' Storage=262 cf Inflow=0.38 cfs 1,334 cf Discarded=0.02 cfs 856 cf Primary=0.28 cfs 478 cf Outflow=0.30 cfs 1,333 cf
Pond DE16: DRIP #16	Peak Elev=209.83' Storage=295 cf Inflow=0.48 cfs 1,714 cf Discarded=0.02 cfs 961 cf Primary=0.36 cfs 753 cf Outflow=0.37 cfs 1,713 cf
Pond DE17: DRIP #17	Peak Elev=205.36' Storage=252 cf Inflow=0.38 cfs 1,288 cf Discarded=0.02 cfs 799 cf Primary=0.29 cfs 489 cf Outflow=0.30 cfs 1,288 cf
Pond DE18: DRIP #18	Peak Elev=207.42' Storage=337 cf Inflow=0.53 cfs 1,819 cf Discarded=0.02 cfs 1,012 cf Primary=0.38 cfs 807 cf Outflow=0.40 cfs 1,819 cf
Pond DE19: DRIP #19	Peak Elev=208.10' Storage=291 cf Inflow=0.47 cfs 1,615 cf Discarded=0.02 cfs 908 cf Primary=0.35 cfs 707 cf Outflow=0.37 cfs 1,615 cf
Pond DE2: DRIP #2	Peak Elev=223.75' Storage=228 cf Inflow=0.37 cfs 1,295 cf Discarded=0.02 cfs 798 cf Primary=0.28 cfs 497 cf Outflow=0.30 cfs 1,295 cf
Pond DE20: DRIP #20	Peak Elev=208.23' Storage=225 cf Inflow=0.37 cfs 1,256 cf Discarded=0.06 cfs 1,081 cf Primary=0.17 cfs 175 cf Outflow=0.22 cfs 1,256 cf
Pond DE21: DRIP #21	Peak Elev=208.73' Storage=218 cf Inflow=0.38 cfs 1,302 cf Discarded=0.05 cfs 1,081 cf Primary=0.20 cfs 221 cf Outflow=0.26 cfs 1,302 cf
Pond DE22: DRIP #22	Peak Elev=210.38' Storage=330 cf Inflow=0.66 cfs 2,372 cf Discarded=0.05 cfs 1,699 cf Primary=0.43 cfs 673 cf Outflow=0.49 cfs 2,372 cf
Pond DE23: DRIP #23	Peak Elev=210.25' Storage=246 cf Inflow=0.46 cfs 1,644 cf Discarded=0.05 cfs 1,296 cf Primary=0.30 cfs 348 cf Outflow=0.35 cfs 1,644 cf
Pond DE24: DRIP #24	Peak Elev=211.32' Storage=351 cf Inflow=0.54 cfs 1,929 cf Discarded=0.06 cfs 1,589 cf Primary=0.27 cfs 341 cf Outflow=0.34 cfs 1,929 cf
Pond DE25: DRIP #25	Peak Elev=211.96' Storage=343 cf Inflow=0.54 cfs 1,929 cf Discarded=0.02 cfs 1,071 cf Primary=0.39 cfs 858 cf Outflow=0.41 cfs 1,929 cf

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Pond DE26: DRIP #26	Peak Elev=212.50' Storage=273 cf Inflow=0.46 cfs 1,644 cf Discarded=0.02 cfs 909 cf Primary=0.35 cfs 734 cf Outflow=0.37 cfs 1,644 cf
Pond DE27: DRIP #27	Peak Elev=213.14' Storage=179 cf Inflow=0.48 cfs 1,714 cf Discarded=0.02 cfs 845 cf Primary=0.36 cfs 869 cf Outflow=0.38 cfs 1,713 cf
Pond DE28: DRIP #28	Peak Elev=214.03' Storage=295 cf Inflow=0.48 cfs 1,714 cf Discarded=0.02 cfs 961 cf Primary=0.36 cfs 753 cf Outflow=0.37 cfs 1,713 cf
Pond DE29: DRIP #29	Peak Elev=214.00' Storage=209 cf Inflow=0.46 cfs 1,645 cf Discarded=0.02 cfs 846 cf Primary=0.35 cfs 799 cf Outflow=0.37 cfs 1,644 cf
Pond DE3: DRIP #3	Peak Elev=223.30' Storage=273 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 896 cf Primary=0.35 cfs 725 cf Outflow=0.36 cfs 1,620 cf
Pond DE30: DRIP #30	Peak Elev=214.41' Storage=286 cf Inflow=0.54 cfs 1,931 cf Discarded=0.02 cfs 1,015 cf Primary=0.39 cfs 915 cf Outflow=0.41 cfs 1,930 cf
Pond DE31: DRIP #31	Peak Elev=214.65' Storage=350 cf Inflow=0.54 cfs 1,936 cf Discarded=0.02 cfs 1,088 cf Primary=0.39 cfs 847 cf Outflow=0.40 cfs 1,935 cf
Pond DE32: DRIP #32	Peak Elev=213.90' Storage=273 cf Inflow=0.46 cfs 1,644 cf Discarded=0.02 cfs 909 cf Primary=0.35 cfs 734 cf Outflow=0.37 cfs 1,644 cf
Pond DE33: DRIP #33	Peak Elev=212.85' Storage=262 cf Inflow=0.38 cfs 1,334 cf Discarded=0.02 cfs 856 cf Primary=0.28 cfs 478 cf Outflow=0.30 cfs 1,333 cf
Pond DE34: DRIP #34	Peak Elev=213.24' Storage=451 cf Inflow=0.81 cfs 2,886 cf Discarded=0.02 cfs 1,399 cf Primary=0.74 cfs 1,487 cf Outflow=0.77 cfs 2,886 cf
Pond DE35: DRIP #35	Peak Elev=211.94' Storage=451 cf Inflow=0.81 cfs 2,886 cf Discarded=0.02 cfs 1,399 cf Primary=0.74 cfs 1,487 cf Outflow=0.77 cfs 2,886 cf
Pond DE36: DRIP #36	Peak Elev=209.58' Storage=295 cf Inflow=0.66 cfs 2,372 cf Discarded=0.02 cfs 1,038 cf Primary=0.47 cfs 1,334 cf Outflow=0.49 cfs 2,372 cf
Pond DE37: DRIP #37	Peak Elev=210.56' Storage=295 cf Inflow=0.66 cfs 2,340 cf Discarded=0.02 cfs 1,023 cf Primary=0.47 cfs 1,316 cf Outflow=0.48 cfs 2,339 cf
Pond DE38: DRIP #39	Peak Elev=211.65' Storage=342 cf Inflow=0.54 cfs 1,902 cf Discarded=0.02 cfs 1,055 cf Primary=0.39 cfs 847 cf Outflow=0.40 cfs 1,902 cf
Pond DE39: DRIP #39	Peak Elev=212.50' Storage=273 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 896 cf Primary=0.35 cfs 725 cf Outflow=0.36 cfs 1,620 cf
Pond DE4: DRIP #4	Peak Elev=221.65' Storage=342 cf Inflow=0.54 cfs 1,902 cf Discarded=0.02 cfs 1,055 cf Primary=0.39 cfs 847 cf Outflow=0.40 cfs 1,902 cf
Pond DE40: DRIP #40	Peak Elev=213.65' Storage=342 cf Inflow=0.54 cfs 1,902 cf Discarded=0.02 cfs 1,055 cf Primary=0.39 cfs 847 cf Outflow=0.40 cfs 1,901 cf

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Pond DE41: DRIP #41	Peak Elev=214.65' Storage=342 cf Inflow=0.54 cfs 1,902 cf Discarded=0.02 cfs 1,055 cf Primary=0.39 cfs 847 cf Outflow=0.40 cfs 1,902 cf
Pond DE42: DRIP #42	Peak Elev=215.53' Storage=294 cf Inflow=0.48 cfs 1,689 cf Discarded=0.02 cfs 946 cf Primary=0.36 cfs 743 cf Outflow=0.37 cfs 1,689 cf
Pond DE43: DRIP #43	Peak Elev=216.50' Storage=273 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 896 cf Primary=0.35 cfs 725 cf Outflow=0.36 cfs 1,620 cf
Pond DE44: DRIP #44	Peak Elev=218.65' Storage=342 cf Inflow=0.54 cfs 1,902 cf Discarded=0.02 cfs 1,055 cf Primary=0.39 cfs 847 cf Outflow=0.40 cfs 1,901 cf
Pond DE45: DRIP #45	Peak Elev=219.50' Storage=273 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 896 cf Primary=0.35 cfs 725 cf Outflow=0.36 cfs 1,620 cf
Pond DE47: DRIP #47	Peak Elev=219.56' Storage=298 cf Inflow=0.66 cfs 2,340 cf Discarded=0.02 cfs 1,029 cf Primary=0.47 cfs 1,310 cf Outflow=0.48 cfs 2,339 cf
Pond DE48: DRIP #48	Peak Elev=217.24' Storage=261 cf Inflow=0.37 cfs 1,295 cf Discarded=0.02 cfs 833 cf Primary=0.28 cfs 462 cf Outflow=0.30 cfs 1,295 cf
Pond DE49: DRIP #49	Peak Elev=215.53' Storage=294 cf Inflow=0.48 cfs 1,689 cf Discarded=0.02 cfs 946 cf Primary=0.36 cfs 743 cf Outflow=0.37 cfs 1,689 cf
Pond DE5: DRIP #5	Peak Elev=221.10' Storage=273 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 896 cf Primary=0.35 cfs 725 cf Outflow=0.36 cfs 1,620 cf
Pond DE6: DRIP #6	Peak Elev=213.03' Storage=304 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 982 cf Primary=0.36 cfs 739 cf Outflow=0.37 cfs 1,720 cf
Pond DE61: DRIP #61	Peak Elev=213.85' Storage=457 cf Inflow=1.15 cfs 4,063 cf Discarded=0.04 cfs 1,985 cf Primary=0.87 cfs 2,077 cf Outflow=0.91 cfs 4,062 cf
Pond DE62: DRIP #62	Peak Elev=213.85' Storage=457 cf Inflow=1.15 cfs 4,063 cf Discarded=0.04 cfs 1,985 cf Primary=0.87 cfs 2,077 cf Outflow=0.91 cfs 4,062 cf
Pond DE63: DRIP #63	Peak Elev=208.26' Storage=206 cf Inflow=0.68 cfs 2,411 cf Discarded=0.02 cfs 1,187 cf Primary=0.57 cfs 1,224 cf Outflow=0.60 cfs 2,411 cf
Pond DE64: DRIP #64	Peak Elev=206.71' Storage=326 cf Inflow=0.84 cfs 3,000 cf Discarded=0.03 cfs 1,483 cf Primary=0.70 cfs 1,517 cf Outflow=0.73 cfs 2,999 cf
Pond DE65: DRIP #65	Peak Elev=207.26' Storage=206 cf Inflow=0.68 cfs 2,411 cf Discarded=0.02 cfs 1,185 cf Primary=0.57 cfs 1,225 cf Outflow=0.60 cfs 2,411 cf
Pond DE66: DRIP #66	Peak Elev=209.21' Storage=258 cf Inflow=0.84 cfs 2,987 cf Discarded=0.03 cfs 1,392 cf Primary=0.71 cfs 1,594 cf Outflow=0.73 cfs 2,986 cf
Pond DE67: DRIP #67	Peak Elev=209.41' Storage=258 cf Inflow=0.84 cfs 2,987 cf Discarded=0.03 cfs 1,392 cf Primary=0.71 cfs 1,594 cf Outflow=0.73 cfs 2,986 cf
Pond DE68: DRIP #68	Peak Elev=208.66' Storage=459 cf Inflow=1.16 cfs 4,122 cf Discarded=0.04 cfs 2,020 cf Primary=0.88 cfs 2,101 cf Outflow=0.91 cfs 4,121 cf

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Pond DE69: DRIP #69Peak Elev=206.91' Storage=269 cf Inflow=0.84 cfs 3,000 cf
Discarded=0.03 cfs 1,426 cf Primary=0.70 cfs 1,573 cf Outflow=0.73 cfs 2,999 cf**Pond DE7: DRIP #7**Peak Elev=212.75' Storage=262 cf Inflow=0.38 cfs 1,334 cf
Discarded=0.02 cfs 856 cf Primary=0.28 cfs 478 cf Outflow=0.30 cfs 1,333 cf**Pond DE70: DRIP #70**Peak Elev=207.31' Storage=269 cf Inflow=0.84 cfs 3,000 cf
Discarded=0.03 cfs 1,426 cf Primary=0.70 cfs 1,573 cf Outflow=0.73 cfs 2,999 cf**Pond DE71: DRIP #71**Peak Elev=208.16' Storage=458 cf Inflow=1.16 cfs 4,121 cf
Discarded=0.04 cfs 2,018 cf Primary=0.88 cfs 2,102 cf Outflow=0.91 cfs 4,120 cf**Pond DE8: DRIP #8**Peak Elev=214.10' Storage=273 cf Inflow=0.46 cfs 1,644 cf
Discarded=0.02 cfs 909 cf Primary=0.35 cfs 734 cf Outflow=0.37 cfs 1,644 cf**Pond DE9: DRIP #9**Peak Elev=214.56' Storage=343 cf Inflow=0.54 cfs 1,929 cf
Discarded=0.02 cfs 1,071 cf Primary=0.39 cfs 858 cf Outflow=0.41 cfs 1,929 cf**Pond DECH: DRIP #CH**Peak Elev=210.77' Storage=707 cf Inflow=1.05 cfs 3,693 cf
Discarded=0.04 cfs 1,819 cf Primary=0.43 cfs 1,873 cf Outflow=0.47 cfs 3,692 cf**Pond P204: STORMTECH INFILTRATION**Peak Elev=206.19' Storage=8,826 cf Inflow=6.57 cfs 22,205 cf
Discarded=0.06 cfs 4,560 cf Primary=3.15 cfs 11,290 cf Outflow=3.21 cfs 15,851 cf**Pond P205: EXTENDED DETENTION**Peak Elev=202.30' Storage=58,281 cf Inflow=32.10 cfs 145,064 cf
Outflow=27.79 cfs 103,841 cf**Pond P206: STORMTECH INFILTRATION**Peak Elev=196.48' Storage=6,965 cf Inflow=13.87 cfs 49,453 cf
Discarded=0.17 cfs 12,722 cf Primary=11.43 cfs 33,797 cf Outflow=11.60 cfs 46,519 cf**Pond P207: INFILTRATION POND #2**Peak Elev=198.97' Storage=35,841 cf Inflow=27.70 cfs 95,051 cf
Discarded=0.94 cfs 36,989 cf Primary=8.11 cfs 52,247 cf Outflow=9.06 cfs 89,236 cf**Pond P210: EXTENDED DETENTION**Peak Elev=204.88' Storage=31,946 cf Inflow=19.47 cfs 64,867 cf
Outflow=5.05 cfs 57,193 cf**Pond P212: INFILTRATION POND #1**Peak Elev=203.00' Storage=41,915 cf Inflow=38.83 cfs 159,633 cf
Discarded=2.20 cfs 90,354 cf Primary=27.37 cfs 69,243 cf Outflow=29.57 cfs 159,597 cf**Link AP1: ANALYSIS POINT 1**Inflow=2.23 cfs 7,679 cf
Primary=2.23 cfs 7,679 cf**Link AP2: ANALYSIS POINT 2**Inflow=54.21 cfs 412,060 cf
Primary=54.21 cfs 412,060 cf**Link AP3: ANALYSIS POINT 3**Inflow=7.23 cfs 22,989 cf
Primary=7.23 cfs 22,989 cf**Link AP4: ANALYSIS POINT #4**Inflow=98.80 cfs 609,575 cf
Primary=98.80 cfs 609,575 cf

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Total Runoff Area = 2,573,920 sf Runoff Volume = 1,344,443 cf Average Runoff Depth = 6.27"
76.95% Pervious = 1,980,611 sf 23.05% Impervious = 593,309 sf

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 5.01 cfs @ 12.09 hrs, Volume= 18,436 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
21,440	98	Roofs, HSG C
3,659	98	Roofs, HSG D
25,099	98	Weighted Average
25,099		100.00% Impervious Area

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

Summary for Subcatchment B2: MULTIFAMILY BLDG #2

Runoff = 3.51 cfs @ 12.09 hrs, Volume= 12,929 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
7,721	98	Roofs, HSG A
9,881	98	Roofs, HSG C
17,602	98	Weighted Average
17,602		100.00% Impervious Area

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

Summary for Subcatchment C1: CB #1

Runoff = 3.04 cfs @ 12.22 hrs, Volume= 12,800 cf, Depth> 5.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
9,297	61	>75% Grass cover, Good, HSG B
6,129	98	Paved parking, HSG B
11,904	68	1 acre lots, 20% imp, HSG B
27,330	72	Weighted Average
18,820		68.86% Pervious Area
8,510		31.14% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
1.4	60	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.1	89	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
1.4	214	0.0150	2.49		Shallow Concentrated Flow, Paved Kv= 20.3 fps
16.1	413	Total			

Summary for Subcatchment C10: CB #10

Runoff = 1.98 cfs @ 12.09 hrs, Volume= 7,191 cf, Depth> 8.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
352	98	Paved parking, HSG B
483	74	>75% Grass cover, Good, HSG C
7,603	98	Paved parking, HSG C
68	80	>75% Grass cover, Good, HSG D
1,419	98	Paved parking, HSG D
9,925	97	Weighted Average
551		5.55% Pervious Area
9,374		94.45% Impervious Area

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

Summary for Subcatchment C11: CB #11

Runoff = 2.59 cfs @ 12.09 hrs, Volume= 8,623 cf, Depth> 7.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
7,228	74	>75% Grass cover, Good, HSG C
6,837	98	Paved parking, HSG C
14,065	86	Weighted Average
7,228		51.39% Pervious Area
6,837		48.61% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment C12: CB #12

Runoff = 1.75 cfs @ 12.09 hrs, Volume= 5,787 cf, Depth> 7.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
5,036	74	>75% Grass cover, Good, HSG C
4,562	98	Paved parking, HSG C
9,598	85	Weighted Average
5,036		52.47% Pervious Area
4,562		47.53% Impervious Area

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

Summary for Subcatchment C13: CB #13

Runoff = 1.51 cfs @ 12.09 hrs, Volume= 5,201 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,272	74	>75% Grass cover, Good, HSG C
5,561	98	Paved parking, HSG C
7,833	91	Weighted Average
2,272		29.01% Pervious Area
5,561		70.99% Impervious Area

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

Summary for Subcatchment C14: CB #14

Runoff = 2.22 cfs @ 12.09 hrs, Volume= 7,283 cf, Depth> 6.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
2,861	39	>75% Grass cover, Good, HSG A
7,490	98	Paved parking, HSG A
643	74	>75% Grass cover, Good, HSG C
1,510	98	Paved parking, HSG C
12,504	83	Weighted Average
3,504		28.02% Pervious Area
9,000		71.98% Impervious Area

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

Summary for Subcatchment C15: CB #15

Runoff = 0.98 cfs @ 12.09 hrs, Volume= 3,596 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4,739	98	Paved parking, HSG A
156	98	Paved parking, HSG C
4,895	98	Weighted Average
4,895		100.00% Impervious Area

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

Summary for Subcatchment C16: CB #16

Runoff = 1.42 cfs @ 12.09 hrs, Volume= 4,593 cf, Depth> 6.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,377	39	>75% Grass cover, Good, HSG A
4,346	98	Paved parking, HSG A
457	74	>75% Grass cover, Good, HSG C
1,146	98	Paved parking, HSG C
8,326	80	Weighted Average
2,834		34.04% Pervious Area
5,492		65.96% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment C17: CB #17

Runoff = 2.20 cfs @ 12.09 hrs, Volume= 7,623 cf, Depth> 8.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,927	74	>75% Grass cover, Good, HSG C
8,382	98	Paved parking, HSG C
11,309	92	Weighted Average
2,927		25.88% Pervious Area
8,382		74.12% Impervious Area

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

Summary for Subcatchment C18: CB #18

Runoff = 3.52 cfs @ 12.09 hrs, Volume= 11,705 cf, Depth> 7.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
9,888	74	>75% Grass cover, Good, HSG C
9,204	98	Paved parking, HSG C
19,092	86	Weighted Average
9,888		51.79% Pervious Area
9,204		48.21% Impervious Area

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

Summary for Subcatchment C2: CB #2

Runoff = 3.61 cfs @ 12.09 hrs, Volume= 12,337 cf, Depth> 7.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
2,274	61	>75% Grass cover, Good, HSG B
7,470	98	Paved parking, HSG B
2,699	74	>75% Grass cover, Good, HSG C
6,426	98	Paved parking, HSG C
18,869	90	Weighted Average
4,973		26.36% Pervious Area
13,896		73.64% Impervious Area

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

Summary for Subcatchment C20: CB #20

Runoff = 3.03 cfs @ 12.09 hrs, Volume= 10,587 cf, Depth> 8.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
274	39	>75% Grass cover, Good, HSG A
4,262	98	Paved parking, HSG A
2,415	74	>75% Grass cover, Good, HSG C
7,955	98	Paved parking, HSG C
353	80	>75% Grass cover, Good, HSG D
215	98	Paved parking, HSG D
15,474	93	Weighted Average
3,042		19.66% Pervious Area
12,432		80.34% Impervious Area

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

Summary for Subcatchment C21: CB #21

Runoff = 2.32 cfs @ 12.09 hrs, Volume= 8,193 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
768	39	>75% Grass cover, Good, HSG A
10,202	98	Paved parking, HSG A
830	98	Paved parking, HSG C
11,800	94	Weighted Average
768		6.51% Pervious Area
11,032		93.49% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment C22: CB #22

Runoff = 1.84 cfs @ 12.09 hrs, Volume= 6,635 cf, Depth> 8.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
272	98	Paved parking, HSG A
2,489	98	Paved parking, HSG C
1,141	80	>75% Grass cover, Good, HSG D
5,385	98	Paved parking, HSG D
9,287	96	Weighted Average
1,141		12.29% Pervious Area
8,146		87.71% Impervious Area

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

Summary for Subcatchment C23: CB #23

Runoff = 0.62 cfs @ 12.09 hrs, Volume= 2,121 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
146	98	Paved parking, HSG A
1,177	80	>75% Grass cover, Good, HSG D
1,871	98	Paved parking, HSG D
3,194	91	Weighted Average
1,177		36.85% Pervious Area
2,017		63.15% Impervious Area

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

Summary for Subcatchment C24: CB #24

Runoff = 0.56 cfs @ 12.09 hrs, Volume= 2,031 cf, Depth> 8.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
328	80	>75% Grass cover, Good, HSG D
2,515	98	Paved parking, HSG D
2,843	96	Weighted Average
328		11.54% Pervious Area
2,515		88.46% Impervious Area

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

Summary for Subcatchment C25: CB #25

Runoff = 1.75 cfs @ 12.09 hrs, Volume= 6,384 cf, Depth> 8.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3	98	Paved parking, HSG A
15	74	>75% Grass cover, Good, HSG C
300	98	Paved parking, HSG C
335	80	>75% Grass cover, Good, HSG D
8,159	98	Paved parking, HSG D
8,812	97	Weighted Average
350		3.97% Pervious Area
8,462		96.03% Impervious Area

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

Summary for Subcatchment C26: CB #26

Runoff = 2.51 cfs @ 12.09 hrs, Volume= 8,878 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,187	80	>75% Grass cover, Good, HSG D
9,600	98	Paved parking, HSG D
12,787	94	Weighted Average
3,187		24.92% Pervious Area
9,600		75.08% Impervious Area

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

Summary for Subcatchment C27: CB #27

Runoff = 1.78 cfs @ 12.09 hrs, Volume= 6,542 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
776	98	Paved parking, HSG A
8,130	98	Paved parking, HSG D
8,906	98	Weighted Average
8,906		100.00% Impervious Area

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

Summary for Subcatchment C28: CB #28

Runoff = 1.91 cfs @ 12.09 hrs, Volume= 6,444 cf, Depth> 7.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,750	74	>75% Grass cover, Good, HSG C
2,843	98	Paved parking, HSG C
2,097	80	>75% Grass cover, Good, HSG D
2,483	98	Paved parking, HSG D
10,173	88	Weighted Average
4,847		47.65% Pervious Area
5,326		52.35% Impervious Area

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

Summary for Subcatchment C29: CB #29

Runoff = 1.18 cfs @ 12.09 hrs, Volume= 4,134 cf, Depth> 8.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
1,194	74	>75% Grass cover, Good, HSG C
4,848	98	Paved parking, HSG C
6,042	93	Weighted Average
1,194		19.76% Pervious Area
4,848		80.24% Impervious Area

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

Summary for Subcatchment C3: CB #3

Runoff = 3.02 cfs @ 12.09 hrs, Volume= 10,182 cf, Depth> 7.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4,139	61	>75% Grass cover, Good, HSG B
11,935	98	Paved parking, HSG B
16,074	88	Weighted Average
4,139		25.75% Pervious Area
11,935		74.25% Impervious Area

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

Summary for Subcatchment C30: CB #30

Runoff = 2.25 cfs @ 12.09 hrs, Volume= 7,625 cf, Depth> 7.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4,358	74	>75% Grass cover, Good, HSG C
7,488	98	Paved parking, HSG C
11,846	89	Weighted Average
4,358		36.79% Pervious Area
7,488		63.21% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment C31: CB #31

Runoff = 2.45 cfs @ 12.09 hrs, Volume= 8,262 cf, Depth> 7.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
5,425	74	>75% Grass cover, Good, HSG C
7,617	98	Paved parking, HSG C
13,042	88	Weighted Average
5,425		41.60% Pervious Area
7,617		58.40% Impervious Area

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

Summary for Subcatchment C32: CB #32

Runoff = 2.08 cfs @ 12.09 hrs, Volume= 7,105 cf, Depth> 7.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,762	74	>75% Grass cover, Good, HSG C
7,106	98	Paved parking, HSG C
10,868	90	Weighted Average
3,762		34.62% Pervious Area
7,106		65.38% Impervious Area

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

Summary for Subcatchment C33: CB #33

Runoff = 0.85 cfs @ 12.09 hrs, Volume= 2,971 cf, Depth> 8.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
890	74	>75% Grass cover, Good, HSG C
3,452	98	Paved parking, HSG C
4,342	93	Weighted Average
890		20.50% Pervious Area
3,452		79.50% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment C34: CB #34

Runoff = 1.16 cfs @ 12.09 hrs, Volume= 4,022 cf, Depth> 8.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,451	74	>75% Grass cover, Good, HSG C
4,516	98	Paved parking, HSG C
5,967	92	Weighted Average
1,451		24.32% Pervious Area
4,516		75.68% Impervious Area

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

Summary for Subcatchment C35: CB #35

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,124 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,891	98	Paved parking, HSG C
2,891		100.00% Impervious Area

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

Summary for Subcatchment C36: CB #36

Runoff = 1.24 cfs @ 12.09 hrs, Volume= 4,575 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
6,229	98	Paved parking, HSG C
6,229		100.00% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment C37: CB #37

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 864 cf, Depth> 8.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4	74	>75% Grass cover, Good, HSG C
639	98	Paved parking, HSG C
65	80	>75% Grass cover, Good, HSG D
484	98	Paved parking, HSG D
1,192	97	Weighted Average
69		5.79% Pervious Area
1,123		94.21% Impervious Area

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

Summary for Subcatchment C38: CB #38

Runoff = 4.03 cfs @ 12.09 hrs, Volume= 13,675 cf, Depth> 7.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4,865	61	>75% Grass cover, Good, HSG B
15,391	98	Paved parking, HSG B
38	74	>75% Grass cover, Good, HSG C
355	98	Paved parking, HSG C
81	80	>75% Grass cover, Good, HSG D
517	98	Paved parking, HSG D
21,247	89	Weighted Average
4,984		23.46% Pervious Area
16,263		76.54% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment C39: CB #39

Runoff = 1.55 cfs @ 12.09 hrs, Volume= 5,710 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
9	61	>75% Grass cover, Good, HSG B
6,543	98	Paved parking, HSG B
45	74	>75% Grass cover, Good, HSG C
517	98	Paved parking, HSG C
67	80	>75% Grass cover, Good, HSG D
592	98	Paved parking, HSG D
7,773	98	Weighted Average
121		1.56% Pervious Area
7,652		98.44% Impervious Area

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

Summary for Subcatchment C4: CB #4

Runoff = 4.00 cfs @ 12.30 hrs, Volume= 18,880 cf, Depth> 5.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
6,704	61	>75% Grass cover, Good, HSG B
3,241	98	Paved parking, HSG B
33,270	68	1 acre lots, 20% imp, HSG B
43,215	69	Weighted Average
33,320		77.10% Pervious Area
9,895		22.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
7.4	316	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.4	109	0.0360	1.33		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.4	70	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
21.4	545	Total			

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment C40: CB #40

Runoff = 0.91 cfs @ 12.09 hrs, Volume= 3,344 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4,552	98	Paved parking, HSG B
4,552		100.00% Impervious Area

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

Summary for Subcatchment C41: CB #41

Runoff = 2.37 cfs @ 12.09 hrs, Volume= 7,947 cf, Depth> 7.48"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,917	61	>75% Grass cover, Good, HSG B
8,833	98	Paved parking, HSG B
12,750	87	Weighted Average
3,917		30.72% Pervious Area
8,833		69.28% Impervious Area

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

Summary for Subcatchment C42: CB #42

Runoff = 1.74 cfs @ 12.09 hrs, Volume= 5,521 cf, Depth> 5.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
7,160	61	>75% Grass cover, Good, HSG B
4,109	98	Paved parking, HSG B
11,269	74	Weighted Average
7,160		63.54% Pervious Area
4,109		36.46% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment C43: CB #43

Runoff = 0.79 cfs @ 12.09 hrs, Volume= 2,712 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
751	61	>75% Grass cover, Good, HSG B
3,333	98	Paved parking, HSG B
4,084	91	Weighted Average
751		18.39% Pervious Area
3,333		81.61% Impervious Area

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

Summary for Subcatchment C44: CB #44

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,221 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,662	98	Paved parking, HSG B
1,662		100.00% Impervious Area

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

Summary for Subcatchment C45: CB #45

Runoff = 0.42 cfs @ 12.09 hrs, Volume= 1,549 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,109	98	Paved parking, HSG B
2,109		100.00% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment C46: CB #46

Runoff = 0.27 cfs @ 12.09 hrs, Volume= 1,007 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,371	98	Paved parking, HSG B
1,371		100.00% Impervious Area

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

Summary for Subcatchment C47: CB#47

Runoff = 0.60 cfs @ 12.09 hrs, Volume= 2,207 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,004	98	Paved parking, HSG B
3,004		100.00% Impervious Area

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

Summary for Subcatchment C48: CB#48

Runoff = 7.15 cfs @ 12.16 hrs, Volume= 26,914 cf, Depth> 5.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4,469	98	Paved parking, HSG B
55,596	68	1 acre lots, 20% imp, HSG B
60,065	70	Weighted Average
44,477		74.05% Pervious Area
15,588		25.95% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.0	50	0.0800	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
4.8	350	0.0600	1.22		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
11.8	400	Total			

Summary for Subcatchment C49: CB#49

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,219 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,659	98	Paved parking, HSG B
1,659		100.00% Impervious Area

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

Summary for Subcatchment C5: CB #5

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 1,069 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,337	98	Paved parking, HSG B
119	98	Paved parking, HSG D
1,456	98	Weighted Average
1,456		100.00% Impervious Area

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

Summary for Subcatchment C50: CB#50

Runoff = 0.94 cfs @ 12.09 hrs, Volume= 2,959 cf, Depth> 5.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
3,913	61	>75% Grass cover, Good, HSG B
754	55	Woods, Good, HSG B
1,781	98	Paved parking, HSG B
6,448	71	Weighted Average
4,667		72.38% Pervious Area
1,781		27.62% Impervious Area

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

Summary for Subcatchment C6: CB #6

Runoff = 0.34 cfs @ 12.09 hrs, Volume= 1,252 cf, Depth> 8.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,704	98	Paved parking, HSG B
1,704		100.00% Impervious Area

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

Summary for Subcatchment C7: CB #7

Runoff = 2.14 cfs @ 12.09 hrs, Volume= 6,903 cf, Depth> 6.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
6,666	61	>75% Grass cover, Good, HSG B
6,084	98	Paved parking, HSG B
12,750	79	Weighted Average
6,666		52.28% Pervious Area
6,084		47.72% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment C8: CB #8

Runoff = 3.91 cfs @ 12.25 hrs, Volume= 17,274 cf, Depth> 5.37"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
7,864	61	>75% Grass cover, Good, HSG B
4,598	98	Paved parking, HSG B
102	55	Woods, Good, HSG B
26,037	68	1 acre lots, 20% imp, HSG B
38,601	70	Weighted Average
28,796		74.60% Pervious Area
9,805		25.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	50	0.0200	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
5.1	304	0.0200	0.99		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.5	91	0.0430	3.34		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.4	75	0.0200	2.87		Shallow Concentrated Flow, Paved Kv= 20.3 fps
18.2	520	Total			

Summary for Subcatchment C9: CB #9

Runoff = 2.71 cfs @ 12.09 hrs, Volume= 9,473 cf, Depth> 8.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
54	98	Paved parking, HSG B
2,695	74	>75% Grass cover, Good, HSG C
10,158	98	Paved parking, HSG C
939	98	Paved parking, HSG D
13,846	93	Weighted Average
2,695		19.46% Pervious Area
11,151		80.54% Impervious Area

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

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Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 1.05 cfs @ 12.09 hrs, Volume= 3,693 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
4,489	98	Roofs, HSG C
830	74	>75% Grass cover, Good, HSG C
5,319	94	Weighted Average
830		15.60% Pervious Area
4,489		84.40% Impervious Area

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

Summary for Subcatchment H1: SF #1

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H10: SF #10

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment H11: SF #11

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H12: SF #12

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,372 cf, Depth> 8.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H13: SF #13

Runoff = 0.81 cfs @ 12.09 hrs, Volume= 2,927 cf, Depth> 8.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
3,715	98	Roofs, HSG C
382	74	>75% Grass cover, Good, HSG C
4,097	96	Weighted Average
382		9.32% Pervious Area
3,715		90.68% Impervious Area

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

Summary for Subcatchment H14: SF #14

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H15: SF #15

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,334 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment H16: SF #16

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H17: SF #17

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,288 cf, Depth> 7.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,693	98	Roofs, HSG A
277	39	>75% Grass cover, Good, HSG A
1,970	90	Weighted Average
277		14.06% Pervious Area
1,693		85.94% Impervious Area

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

Summary for Subcatchment H18: SF #18

Runoff = 0.53 cfs @ 12.09 hrs, Volume= 1,819 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,419	98	Roofs, HSG A
321	39	>75% Grass cover, Good, HSG A
2,740	91	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment H19: SF #19

Runoff = 0.47 cfs @ 12.09 hrs, Volume= 1,615 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG A
290	39	>75% Grass cover, Good, HSG A
2,433	91	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H2: SF #2

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,295 cf, Depth> 8.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H20: SF #20

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,256 cf, Depth> 7.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
1,085	98	Roofs, HSG A
214	39	>75% Grass cover, Good, HSG A
546	98	Roofs, HSG C
76	74	>75% Grass cover, Good, HSG C
1,921	90	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H21: SF #21

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,302 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
793	98	Roofs, HSG A
190	39	>75% Grass cover, Good, HSG A
900	98	Roofs, HSG C
78	74	>75% Grass cover, Good, HSG C
1,961	91	Weighted Average
268		13.67% Pervious Area
1,693		86.33% Impervious Area

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

Summary for Subcatchment H22: SF #22

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,372 cf, Depth> 8.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,035	98	Roofs, HSG C
285	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment H23: SF #23

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H24: SF #24

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H25: SF #25

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H26: SF #26

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H27: SF #27

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment H28: SF #28

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
2,433	95	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H29: SF #29

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,645 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG C
273	74	>75% Grass cover, Good, HSG C
2,335	95	Weighted Average
273		11.69% Pervious Area
2,062		88.31% Impervious Area

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

Summary for Subcatchment H3: SF #3

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment H30: SF #30

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,931 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
322	74	>75% Grass cover, Good, HSG C
2,741	95	Weighted Average
322		11.75% Pervious Area
2,419		88.25% Impervious Area

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

Summary for Subcatchment H31: SF #31

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,936 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,419	98	Roofs, HSG C
329	74	>75% Grass cover, Good, HSG C
2,748	95	Weighted Average
329		11.97% Pervious Area
2,419		88.03% Impervious Area

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

Summary for Subcatchment H32: SF #32

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H33: SF #33

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,334 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H34: SF #34

Runoff = 0.81 cfs @ 12.09 hrs, Volume= 2,886 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment H35: SF #35

Runoff = 0.81 cfs @ 12.09 hrs, Volume= 2,886 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,715	98	Roofs, HSG B
383	61	>75% Grass cover, Good, HSG B
4,098	95	Weighted Average
383		9.35% Pervious Area
3,715		90.65% Impervious Area

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

Summary for Subcatchment H36: SF #36

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,372 cf, Depth> 8.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
355	98	Roofs, HSG B
107	61	>75% Grass cover, Good, HSG B
2,680	98	Roofs, HSG C
178	74	>75% Grass cover, Good, HSG C
3,320	96	Weighted Average
285		8.58% Pervious Area
3,035		91.42% Impervious Area

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

Summary for Subcatchment H37: SF #37

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,340 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

Summary for Subcatchment H38: SF #38

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H39: SF #39

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment H4: SF #4

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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

Summary for Subcatchment H40: SF #40

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H41: SF #41

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,419	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,740	94	Weighted Average
321		11.72% Pervious Area
2,419		88.28% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment H42: SF #42

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,689 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H43: SF #43

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H44: SF #44

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
2,418	98	Roofs, HSG B
321	61	>75% Grass cover, Good, HSG B
2,739	94	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment H45: SF #45

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H46: SF #46

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,340 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,035	98	Roofs, HSG B
287	61	>75% Grass cover, Good, HSG B
3,322	95	Weighted Average
287		8.64% Pervious Area
3,035		91.36% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment H47: SF #47

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,295 cf, Depth> 8.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,631	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
1,921	92	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H48: SF #48

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,689 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG B
290	61	>75% Grass cover, Good, HSG B
2,433	94	Weighted Average
290		11.92% Pervious Area
2,143		88.08% Impervious Area

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

Summary for Subcatchment H5: SF #5

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,062	98	Roofs, HSG B
272	61	>75% Grass cover, Good, HSG B
2,334	94	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment H6: SF #6

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,143	98	Roofs, HSG C
300	74	>75% Grass cover, Good, HSG C
2,443	95	Weighted Average
300		12.28% Pervious Area
2,143		87.72% Impervious Area

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

Summary for Subcatchment H7: SF #7

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,334 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,631	98	Roofs, HSG C
290	74	>75% Grass cover, Good, HSG C
1,921	94	Weighted Average
290		15.10% Pervious Area
1,631		84.90% Impervious Area

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

Summary for Subcatchment H8: SF #8

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
2,062	98	Roofs, HSG C
272	74	>75% Grass cover, Good, HSG C
2,334	95	Weighted Average
272		11.65% Pervious Area
2,062		88.35% Impervious Area

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

Summary for Subcatchment H9: SF #9

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,418	98	Roofs, HSG C
321	74	>75% Grass cover, Good, HSG C
2,739	95	Weighted Average
321		11.72% Pervious Area
2,418		88.28% Impervious Area

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

Summary for Subcatchment S201: SUMMER STREET ACCESS APRON

Runoff = 2.23 cfs @ 12.09 hrs, Volume= 7,679 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,253	61	>75% Grass cover, Good, HSG B
9,313	98	Paved parking, HSG B
11,566	91	Weighted Average
2,253		19.48% Pervious Area
9,313		80.52% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 43.38 cfs @ 12.29 hrs, Volume= 207,090 cf, Depth> 6.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
135,263	61	>75% Grass cover, Good, HSG B
62,748	55	Woods, Good, HSG B
14,088	98	Paved parking, HSG B
5,771	74	>75% Grass cover, Good, HSG C
12,909	70	Woods, Good, HSG C
127	98	Water Surface, 0% imp, HSG C
516	80	>75% Grass cover, Good, HSG D
167,325	98	Water Surface, 0% imp, HSG D
398,747	77	Weighted Average
384,659		96.47% Pervious Area
14,088		3.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.2	50	0.0600	0.16		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
1.9	192	0.0600	1.71		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
2.8	314	0.0700	1.85		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
11.6	493	0.0200	0.71		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
21.5	1,049	Total			

Summary for Subcatchment S203: INFILTRATION POND #1

Runoff = 6.27 cfs @ 12.09 hrs, Volume= 20,105 cf, Depth> 6.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
19,898	61	>75% Grass cover, Good, HSG B
3,654	98	Water Surface, 0% imp, HSG B
3,247	98	Paved parking, HSG B
3,556	74	>75% Grass cover, Good, HSG C
8,247	98	Water Surface, 0% imp, HSG C
38,602	77	Weighted Average
35,355		91.59% Pervious Area
3,247		8.41% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 29.33 cfs @ 12.31 hrs, Volume= 143,577 cf, Depth> 6.48"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
40,469	61	>75% Grass cover, Good, HSG B
14,815	55	Woods, Good, HSG B
66,293	74	>75% Grass cover, Good, HSG C
42,142	70	Woods, Good, HSG C
4,299	80	>75% Grass cover, Good, HSG D
2,509	77	Woods, Good, HSG D
95,456	98	Water Surface, 0% imp, HSG D
265,983	79	Weighted Average
265,983		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.2	50	0.2000	0.26		Sheet Flow,
					Grass: Dense n= 0.240 P2= 3.27"
19.4	582	0.0100	0.50		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
22.6	632	Total			

Summary for Subcatchment S205: ISOLATED WETLAND

Runoff = 7.23 cfs @ 12.09 hrs, Volume= 22,989 cf, Depth> 5.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
7,234	39	>75% Grass cover, Good, HSG A
1,627	30	Woods, Good, HSG A
2,467	74	>75% Grass cover, Good, HSG C
1,830	70	Woods, Good, HSG C
10,692	80	>75% Grass cover, Good, HSG D
14,269	77	Woods, Good, HSG D
8,805	98	Water Surface, 0% imp, HSG D
46,924	74	Weighted Average
46,924		100.00% Pervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment S206: OVERLAND FLOW

Runoff = 57.25 cfs @ 12.27 hrs, Volume= 258,410 cf, Depth> 4.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
49,064	39	>75% Grass cover, Good, HSG A
111,670	30	Woods, Good, HSG A
31,970	30	Brush, Good, HSG A
17,564	61	>75% Grass cover, Good, HSG B
8,414	55	Woods, Good, HSG B
89,440	74	>75% Grass cover, Good, HSG C
100,462	70	Woods, Good, HSG C
9,272	80	>75% Grass cover, Good, HSG D
121,036	77	Woods, Good, HSG D
114,002	98	Water Surface, 0% imp, HSG D
652,894	65	Weighted Average
652,894		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.9	50	0.2000	0.17		Sheet Flow,
					Woods: Light underbrush n= 0.400 P2= 3.27"
14.3	745	0.0300	0.87		Shallow Concentrated Flow,
					Woodland Kv= 5.0 fps
19.2	795	Total			

Summary for Subcatchment S207: INFILTRATION POND #2

Runoff = 4.20 cfs @ 12.09 hrs, Volume= 13,705 cf, Depth> 6.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
621	39	>75% Grass cover, Good, HSG A
217	98	Water Surface, 0% imp, HSG A
14,212	74	>75% Grass cover, Good, HSG C
8,902	98	Water Surface, 0% imp, HSG C
23,952	82	Weighted Average
23,952		100.00% Pervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment S208:

Runoff = 2.26 cfs @ 12.09 hrs, Volume= 7,175 cf, Depth> 5.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
661	39	>75% Grass cover, Good, HSG A
14,628	74	>75% Grass cover, Good, HSG C
15,289	72	Weighted Average
15,289		100.00% Pervious Area

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

Summary for Subcatchment S209: WETLAND C

Runoff = 8.28 cfs @ 12.54 hrs, Volume= 51,773 cf, Depth> 5.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
17,078	39	>75% Grass cover, Good, HSG A
10,863	30	Woods, Good, HSG A
15,531	74	>75% Grass cover, Good, HSG C
21,139	70	Woods, Good, HSG C
44,067	98	Water Surface, 0% imp, HSG D
108,678	73	Weighted Average
108,678		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.2	50	0.0050	0.04		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27"
18.6	557	0.0100	0.50		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
39.8	607	Total			

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment S210: INFILTRATION POND #1

Runoff = 15.48 cfs @ 12.22 hrs, Volume= 68,014 cf, Depth> 7.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,124	39	>75% Grass cover, Good, HSG A
1,222	98	Paved parking, HSG A
637	98	Water Surface, 0% imp, HSG A
61,928	74	>75% Grass cover, Good, HSG C
23,694	98	Paved parking, HSG C
25,355	98	Water Surface, 0% imp, HSG C
114,960	84	Weighted Average
90,044		78.33% Pervious Area
24,916		21.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	50	0.0150	0.13		Sheet Flow, Grass: Short n= 0.150 P2= 3.27"
10.3	530	0.0150	0.86		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
16.5	580	Total			

Summary for Subcatchment S211: CUL-DE-SAC POND

Runoff = 4.62 cfs @ 12.30 hrs, Volume= 22,114 cf, Depth> 5.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
6,621	61	>75% Grass cover, Good, HSG B
13,186	55	Woods, Good, HSG B
11,770	74	>75% Grass cover, Good, HSG C
265	70	Woods, Good, HSG C
13,435	98	Water Surface, 0% imp, HSG C
45,277	74	Weighted Average
45,277		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	50	0.0400	0.05		Sheet Flow, Woods: Dense underbrush n= 0.800 P2= 3.27"
0.8	50	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
5.1	428	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
22.0	528	Total			

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment S212: SWALE

Runoff = 3.49 cfs @ 12.26 hrs, Volume= 15,710 cf, Depth> 6.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
8,118	61	>75% Grass cover, Good, HSG B
5,760	55	Woods, Good, HSG B
1,972	74	>75% Grass cover, Good, HSG C
1,769	70	Woods, Good, HSG C
1,463	80	>75% Grass cover, Good, HSG D
11,762	98	Water Surface, 0% imp, HSG D
30,844	76	Weighted Average
30,844		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1	50	0.0050	0.06		Sheet Flow, Grass: Dense n= 0.240 P2= 3.27"
4.7	100	0.0050	0.35		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.8	150	Total			

Summary for Subcatchment S213: COURTYARD

Runoff = 2.76 cfs @ 12.09 hrs, Volume= 8,722 cf, Depth> 4.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
2,015	39	>75% Grass cover, Good, HSG A
5,689	39	>75% Grass cover, Good, HSG A
6,440	74	>75% Grass cover, Good, HSG C
3,111	98	Paved parking, HSG C
3,861	74	>75% Grass cover, Good, HSG C
858	80	>75% Grass cover, Good, HSG D
21,974	65	Weighted Average
18,863		85.84% Pervious Area
3,111		14.16% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment T1: Trench Drain 1

Runoff = 2.66 cfs @ 12.09 hrs, Volume= 9,154 cf, Depth> 7.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,305	74	>75% Grass cover, Good, HSG C
4,068	98	Paved parking, HSG C
3,805	80	>75% Grass cover, Good, HSG D
4,034	98	Paved parking, HSG D
576	98	Roofs, HSG D
13,788	91	Weighted Average
5,110		37.06% Pervious Area
8,678		62.94% Impervious Area

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

Summary for Subcatchment T2: Drive Under B2

Runoff = 0.75 cfs @ 12.09 hrs, Volume= 2,399 cf, Depth> 6.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
1,582	39	>75% Grass cover, Good, HSG A
2,404	98	Paved parking, HSG A
78	74	>75% Grass cover, Good, HSG C
543	98	Paved parking, HSG C
4,607	77	Weighted Average
1,660		36.03% Pervious Area
2,947		63.97% Impervious Area

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

Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 1.15 cfs @ 12.09 hrs, Volume= 4,063 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH10: TOWN HOUSE #10

Runoff = 0.84 cfs @ 12.09 hrs, Volume= 3,000 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

Summary for Subcatchment TH11: TOWN HOUSE #11

Runoff = 1.16 cfs @ 12.09 hrs, Volume= 4,121 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
687	74	>75% Grass cover, Good, HSG C
5,851	95	Weighted Average
687		11.74% Pervious Area
5,164		88.26% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment TH2: TOWN HOUSE #2

Runoff = 1.15 cfs @ 12.09 hrs, Volume= 4,063 cf, Depth> 8.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
5,164	98	Roofs, HSG B
688	61	>75% Grass cover, Good, HSG B
5,852	94	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH3: TOWN HOUSE #3

Runoff = 0.68 cfs @ 12.09 hrs, Volume= 2,411 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,016	98	Roofs, HSG C
407	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
407		11.89% Pervious Area
3,016		88.11% Impervious Area

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

Summary for Subcatchment TH4: TOWN HOUSE #4

Runoff = 0.84 cfs @ 12.09 hrs, Volume= 3,000 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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Type III 24-hr 100YR Rainfall=9.06"

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

Summary for Subcatchment TH5: TOWN HOUSE #5

Runoff = 0.68 cfs @ 12.09 hrs, Volume= 2,411 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,017	98	Roofs, HSG C
406	74	>75% Grass cover, Good, HSG C
3,423	95	Weighted Average
406		11.86% Pervious Area
3,017		88.14% Impervious Area

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

Summary for Subcatchment TH6: TOWN HOUSE #6

Runoff = 0.84 cfs @ 12.09 hrs, Volume= 2,987 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH7: TOWN HOUSE #7

Runoff = 0.84 cfs @ 12.09 hrs, Volume= 2,987 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

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Type III 24-hr 100YR Rainfall=9.06"

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Area (sf)	CN	Description
3,785	98	Roofs, HSG C
455	74	>75% Grass cover, Good, HSG C
4,240	95	Weighted Average
455		10.73% Pervious Area
3,785		89.27% Impervious Area

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

Summary for Subcatchment TH8: TOWN HOUSE #8

Runoff = 1.16 cfs @ 12.09 hrs, Volume= 4,122 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
5,164	98	Roofs, HSG C
688	74	>75% Grass cover, Good, HSG C
5,852	95	Weighted Average
688		11.76% Pervious Area
5,164		88.24% Impervious Area

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

Summary for Subcatchment TH9: TOWN HOUSE #9

Runoff = 0.84 cfs @ 12.09 hrs, Volume= 3,000 cf, Depth> 8.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100YR Rainfall=9.06"

Area (sf)	CN	Description
3,785	98	Roofs, HSG C
474	74	>75% Grass cover, Good, HSG C
4,259	95	Weighted Average
474		11.13% Pervious Area
3,785		88.87% Impervious Area

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

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.77% Impervious, Inflow Depth = 3.62" for 100YR event
Inflow = 1.75 cfs @ 12.16 hrs, Volume= 3,640 cf
Outflow = 0.11 cfs @ 13.15 hrs, Volume= 2,560 cf, Atten= 94%, Lag= 59.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.05 fps, Min. Travel Time= 427.9 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 574.3 min

Peak Storage= 2,896 cf @ 13.15 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 50.43'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 22.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 1,350.0' Slope= 0.0133 ' '
Inlet Invert= 218.00', Outlet Invert= 200.00'



Summary for Reach 2R: OVERLAND FLOW

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth = 3.63" for 100YR event
Inflow = 0.36 cfs @ 12.16 hrs, Volume= 739 cf
Outflow = 0.02 cfs @ 13.53 hrs, Volume= 449 cf, Atten= 95%, Lag= 82.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 623.5 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 741.4 min

Peak Storage= 613 cf @ 13.53 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.13'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 21.45 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 925.0' Slope= 0.0124 ' '
Inlet Invert= 211.50', Outlet Invert= 200.00'



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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,994 sf, 87.37% Impervious, Inflow Depth = 3.55" for 100YR event
Inflow = 1.02 cfs @ 12.16 hrs, Volume= 2,070 cf
Outflow = 0.23 cfs @ 12.59 hrs, Volume= 1,981 cf, Atten= 78%, Lag= 25.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.08 fps, Min. Travel Time= 96.4 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 212.3 min

Peak Storage= 1,327 cf @ 12.59 hrs
Average Depth at Peak Storage= 0.07' , Surface Width= 40.69'
Bank-Full Depth= 1.00' Flow Area= 45.0 sf, Capacity= 20.48 cfs

40.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 50.00'
Length= 475.0' Slope= 0.0174 ' '
Inlet Invert= 211.50', Outlet Invert= 203.25'



Summary for Reach 4R: OVERLAND FLOW

Inflow Area = 12,678 sf, 88.22% Impervious, Inflow Depth = 3.36" for 100YR event
Inflow = 1.73 cfs @ 12.17 hrs, Volume= 3,555 cf
Outflow = 0.61 cfs @ 12.50 hrs, Volume= 3,504 cf, Atten= 65%, Lag= 20.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.13 fps, Min. Travel Time= 55.6 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 155.1 min

Peak Storage= 2,023 cf @ 12.50 hrs
Average Depth at Peak Storage= 0.09' , Surface Width= 50.94'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.25 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 427.0' Slope= 0.0281 ' '
Inlet Invert= 202.00', Outlet Invert= 190.00'



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Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 8,196 sf, 90.65% Impervious, Inflow Depth = 4.35" for 100YR event
Inflow = 1.49 cfs @ 12.12 hrs, Volume= 2,973 cf
Outflow = 0.24 cfs @ 12.69 hrs, Volume= 2,761 cf, Atten= 84%, Lag= 34.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.09 fps, Min. Travel Time= 131.5 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 253.9 min

Peak Storage= 1,929 cf @ 12.69 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 50.56'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.07 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 690.0' Slope= 0.0261 ' '
Inlet Invert= 204.00', Outlet Invert= 186.00'



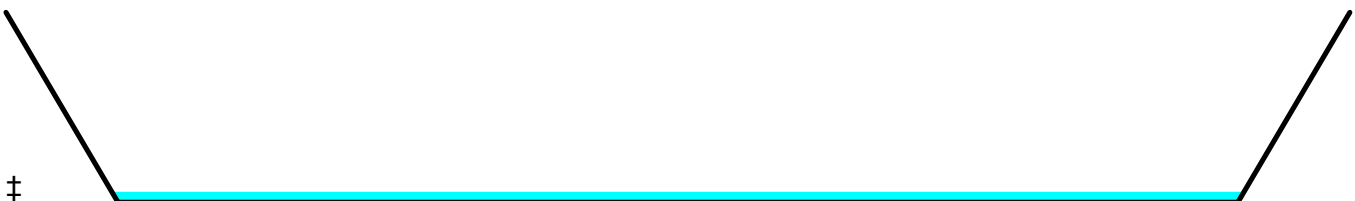
Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 7,824 sf, 88.19% Impervious, Inflow Depth = 3.93" for 100YR event
Inflow = 1.13 cfs @ 12.16 hrs, Volume= 2,561 cf
Outflow = 0.27 cfs @ 12.59 hrs, Volume= 2,445 cf, Atten= 76%, Lag= 25.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.09 fps, Min. Travel Time= 103.6 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 217.9 min

Peak Storage= 1,659 cf @ 12.59 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 50.56'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 33.60 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 590.0' Slope= 0.0305 ' '
Inlet Invert= 204.00', Outlet Invert= 186.00'



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Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 16,679 sf, 87.99% Impervious, Inflow Depth = 2.46" for 100YR event
Inflow = 2.13 cfs @ 12.17 hrs, Volume= 3,419 cf
Outflow = 0.97 cfs @ 12.42 hrs, Volume= 3,407 cf, Atten= 54%, Lag= 15.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.22 fps, Min. Travel Time= 29.3 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 110.0 min

Peak Storage= 1,702 cf @ 12.42 hrs
Average Depth at Peak Storage= 0.17' , Surface Width= 26.73'
Bank-Full Depth= 1.00' Flow Area= 30.0 sf, Capacity= 19.23 cfs

25.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 35.00'
Length= 380.0' Slope= 0.0368 ' / '
Inlet Invert= 200.00', Outlet Invert= 186.00'



Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 19,585 sf, 88.78% Impervious, Inflow Depth = 4.38" for 100YR event
Inflow = 3.27 cfs @ 12.13 hrs, Volume= 7,154 cf
Outflow = 2.01 cfs @ 12.28 hrs, Volume= 7,145 cf, Atten= 39%, Lag= 8.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.19 fps, Min. Travel Time= 21.4 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 84.5 min

Peak Storage= 2,569 cf @ 12.28 hrs
Average Depth at Peak Storage= 0.20' , Surface Width= 52.01'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 29.80 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 250.0' Slope= 0.0240 ' / '
Inlet Invert= 202.00', Outlet Invert= 196.00'



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Summary for Reach 13R: OVERLAND FLOW

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth = 4.26" for 100YR event
Inflow = 0.87 cfs @ 12.15 hrs, Volume= 2,077 cf
Outflow = 0.13 cfs @ 12.70 hrs, Volume= 1,826 cf, Atten= 85%, Lag= 32.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.06 fps, Min. Travel Time= 190.0 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 331.0 min

Peak Storage= 1,485 cf @ 12.70 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 50.45'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 23.68 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 660.0' Slope= 0.0152 ' '
Inlet Invert= 206.00', Outlet Invert= 196.00'



Summary for Reach 14R: OVERLAND FLOW

Inflow Area = 39,453 sf, 18.93% Impervious, Inflow Depth > 5.51" for 100YR event
Inflow = 4.56 cfs @ 12.23 hrs, Volume= 18,126 cf
Outflow = 1.51 cfs @ 12.67 hrs, Volume= 16,800 cf, Atten= 67%, Lag= 26.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.18 fps, Min. Travel Time= 88.1 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 212.0 min

Peak Storage= 7,974 cf @ 12.67 hrs
Average Depth at Peak Storage= 0.17' , Surface Width= 51.67'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.74 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' ' Top Width= 60.00'
Length= 940.0' Slope= 0.0255 ' '
Inlet Invert= 210.00', Outlet Invert= 186.00'



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Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 6.17" for 100YR event
Inflow = 5.05 cfs @ 12.47 hrs, Volume= 57,193 cf
Outflow = 4.79 cfs @ 12.76 hrs, Volume= 56,331 cf, Atten= 5%, Lag= 17.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.26 fps, Min. Travel Time= 19.3 min
Avg. Velocity= 0.13 fps, Avg. Travel Time= 39.6 min

Peak Storage= 5,554 cf @ 12.76 hrs
Average Depth at Peak Storage= 0.36' , Surface Width= 53.57'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 27.21 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 300.0' Slope= 0.0200 ' / '
Inlet Invert= 202.00', Outlet Invert= 196.00'



Summary for Reach 16R: OVERLAND FLOW

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth = 4.73" for 100YR event
Inflow = 0.47 cfs @ 12.16 hrs, Volume= 1,310 cf
Outflow = 0.03 cfs @ 13.23 hrs, Volume= 883 cf, Atten= 93%, Lag= 63.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.04 fps, Min. Travel Time= 495.9 min
Avg. Velocity= 0.03 fps, Avg. Travel Time= 623.5 min

Peak Storage= 1,018 cf @ 13.23 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.17'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 30.42 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 1,200.0' Slope= 0.0250 ' / '
Inlet Invert= 216.00', Outlet Invert= 186.00'



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Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 4.11" for 100YR event
Inflow = 27.79 cfs @ 12.32 hrs, Volume= 103,841 cf
Outflow = 26.48 cfs @ 12.37 hrs, Volume= 103,284 cf, Atten= 5%, Lag= 3.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.62 fps, Min. Travel Time= 3.2 min
Avg. Velocity = 0.20 fps, Avg. Travel Time= 9.8 min

Peak Storage= 5,084 cf @ 12.37 hrs
Average Depth at Peak Storage= 0.74' , Surface Width= 64.77'
Bank-Full Depth= 1.00' Flow Area= 60.0 sf, Capacity= 44.93 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 10.0 ' / ' Top Width= 70.00'
Length= 120.0' Slope= 0.0500 ' / '
Inlet Invert= 192.00', Outlet Invert= 186.00'



Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth > 3.50" for 100YR event
Inflow = 3.15 cfs @ 12.28 hrs, Volume= 11,290 cf
Outflow = 0.87 cfs @ 12.92 hrs, Volume= 10,658 cf, Atten= 72%, Lag= 38.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.11 fps, Min. Travel Time= 88.6 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 162.8 min

Peak Storage= 4,616 cf @ 12.92 hrs
Average Depth at Peak Storage= 0.16' , Surface Width= 51.62'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 18.54 cfs

50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 ' / ' Top Width= 60.00'
Length= 560.0' Slope= 0.0093 ' / '
Inlet Invert= 200.00', Outlet Invert= 194.80'



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Summary for Reach 21R: TRENCH DRAIN

[52] Hint: Inlet/Outlet conditions not evaluated

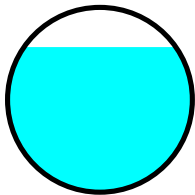
[90] Warning: Qout>Qin may require smaller dt or Finer Routing

Inflow Area = 13,788 sf, 62.94% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 2.66 cfs @ 12.09 hrs, Volume= 9,154 cf
Outflow = 2.66 cfs @ 12.09 hrs, Volume= 9,153 cf, Atten= 0%, Lag= 0.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 4.02 fps, Min. Travel Time= 0.3 min
Avg. Velocity= 1.45 fps, Avg. Travel Time= 0.8 min

Peak Storage= 43 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.78' , Surface Width= 0.82'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.78 cfs

12.0" Round Pipe
n= 0.012 Corrugated PP, smooth interior
Length= 65.7' Slope= 0.0052 '/
Inlet Invert= 197.34', Outlet Invert= 197.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 3.75" for 100YR event
Inflow = 16.24 cfs @ 12.87 hrs, Volume= 132,893 cf
Outflow = 15.68 cfs @ 13.04 hrs, Volume= 132,037 cf, Atten= 3%, Lag= 10.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.25 fps, Min. Travel Time= 12.0 min
Avg. Velocity= 0.10 fps, Avg. Travel Time= 31.1 min

Peak Storage= 11,310 cf @ 13.04 hrs
Average Depth at Peak Storage= 0.92' , Surface Width= 86.76'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 18.32 cfs

50.00' x 1.00' deep channel, n= 0.800 Sheet flow: Woods+dense brush (invasives)
Side Slope Z-value= 20.0 '/ Top Width= 90.00'
Length= 180.0' Slope= 0.0278 '/
Inlet Invert= 193.00', Outlet Invert= 188.00'

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Summary for Reach R202: OVERLAND FLOW

Inflow Area = 398,747 sf, 3.53% Impervious, Inflow Depth > 6.23" for 100YR event
Inflow = 43.38 cfs @ 12.29 hrs, Volume= 207,090 cf
Outflow = 24.62 cfs @ 12.60 hrs, Volume= 200,172 cf, Atten= 43%, Lag= 18.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.29 fps, Min. Travel Time= 40.2 min
Avg. Velocity = 0.11 fps, Avg. Travel Time= 107.7 min

Peak Storage= 59,415 cf @ 12.60 hrs
Average Depth at Peak Storage= 0.72', Surface Width= 135.97'
Bank-Full Depth= 1.00' Flow Area= 125.0 sf, Capacity= 43.95 cfs

100.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 25.0 ' / ' Top Width= 150.00'
Length= 700.0' Slope= 0.0114 ' / '
Inlet Invert= 206.00', Outlet Invert= 198.00'



Summary for Reach R211: OVERLAND FLOW

[55] Hint: Peak inflow is 134% of Manning's capacity

Inflow Area = 273,385 sf, 52.58% Impervious, Inflow Depth = 3.04" for 100YR event
Inflow = 27.37 cfs @ 12.27 hrs, Volume= 69,243 cf
Outflow = 10.88 cfs @ 12.64 hrs, Volume= 68,592 cf, Atten= 60%, Lag= 22.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.24 fps, Min. Travel Time= 41.7 min
Avg. Velocity = 0.09 fps, Avg. Travel Time= 111.3 min

Peak Storage= 27,175 cf @ 12.64 hrs
Average Depth at Peak Storage= 0.71', Surface Width= 78.25'
Bank-Full Depth= 1.00' Flow Area= 70.0 sf, Capacity= 20.47 cfs

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50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush

Side Slope Z-value= 20.0 '/' Top Width= 90.00'

Length= 600.0' Slope= 0.0087 '/'

Inlet Invert= 200.00', Outlet Invert= 194.80'

**Summary for Pond 19R: DRIVEWAY D CROSS PIPE**

[62] Hint: Exceeded Reach 20R OUTLET depth by 1.53' @ 12.85 hrs

[62] Hint: Exceeded Reach R211 OUTLET depth by 1.04' @ 12.90 hrs

Inflow Area = 425,413 sf, 39.83% Impervious, Inflow Depth > 3.76" for 100YR event

Inflow = 19.85 cfs @ 12.60 hrs, Volume= 133,424 cf

Outflow = 16.24 cfs @ 12.87 hrs, Volume= 132,893 cf, Atten= 18%, Lag= 16.1 min

Primary = 16.24 cfs @ 12.87 hrs, Volume= 132,893 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.49' @ 12.87 hrs Surf.Area= 10,410 sf Storage= 14,491 cf

Plug-Flow detention time= 15.6 min calculated for 132,893 cf (100% of inflow)

Center-of-Mass det. time= 13.3 min (857.4 - 844.1)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	35,460 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	1,800	0	0
196.00	8,130	9,930	9,930
198.00	17,400	25,530	35,460

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	24.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.23 cfs @ 12.87 hrs HW=196.49' TW=193.89' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 16.23 cfs @ 5.32 fps)**Summary for Pond CB1: CB#1**

Inflow Area = 27,330 sf, 31.14% Impervious, Inflow Depth > 5.62" for 100YR event

Inflow = 3.04 cfs @ 12.22 hrs, Volume= 12,800 cf

Outflow = 3.04 cfs @ 12.22 hrs, Volume= 12,800 cf, Atten= 0%, Lag= 0.0 min

Primary = 3.04 cfs @ 12.22 hrs, Volume= 12,800 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.22' @ 12.22 hrs

Flood Elev= 211.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.83'	12.0" Round Culvert L= 14.1' Ke= 0.500 Inlet / Outlet Invert= 207.83' / 207.76' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.00 cfs @ 12.22 hrs HW=209.20' TW=208.35' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.00 cfs @ 3.82 fps)**Summary for Pond CB10: CB #10**

Inflow Area = 9,925 sf, 94.45% Impervious, Inflow Depth > 8.69" for 100YR event
 Inflow = 1.98 cfs @ 12.09 hrs, Volume= 7,191 cf
 Outflow = 1.98 cfs @ 12.09 hrs, Volume= 7,191 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.98 cfs @ 12.09 hrs, Volume= 7,191 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.18' @ 12.09 hrs

Flood Elev= 212.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.76'	12.0" Round Culvert L= 33.8' Ke= 0.500 Inlet / Outlet Invert= 209.76' / 209.59' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.92 cfs @ 12.09 hrs HW=211.12' TW=210.86' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.92 cfs @ 2.45 fps)**Summary for Pond CB11: CB #11**

Inflow Area = 14,065 sf, 48.61% Impervious, Inflow Depth > 7.36" for 100YR event
 Inflow = 2.59 cfs @ 12.09 hrs, Volume= 8,623 cf
 Outflow = 2.59 cfs @ 12.09 hrs, Volume= 8,623 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.59 cfs @ 12.09 hrs, Volume= 8,623 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.37' @ 12.09 hrs

Flood Elev= 213.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.94'	12.0" Round Culvert L= 26.3' Ke= 0.500 Inlet / Outlet Invert= 209.94' / 209.67' S= 0.0103 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.53 cfs @ 12.09 hrs HW=211.31' TW=210.87' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.53 cfs @ 3.22 fps)

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Summary for Pond CB12: CB #12

Inflow Area = 9,598 sf, 47.53% Impervious, Inflow Depth > 7.23" for 100YR event
 Inflow = 1.75 cfs @ 12.09 hrs, Volume= 5,787 cf
 Outflow = 1.75 cfs @ 12.09 hrs, Volume= 5,787 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.75 cfs @ 12.09 hrs, Volume= 5,787 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.57' @ 12.09 hrs

Flood Elev= 212.86'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.70 cfs @ 12.09 hrs HW=210.56' TW=207.67' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.70 cfs @ 3.15 fps)**Summary for Pond CB13: CB #13**

Inflow Area = 7,833 sf, 70.99% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 1.51 cfs @ 12.09 hrs, Volume= 5,201 cf
 Outflow = 1.51 cfs @ 12.09 hrs, Volume= 5,201 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.51 cfs @ 12.09 hrs, Volume= 5,201 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.50' @ 12.09 hrs

Flood Elev= 212.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.69'	12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 209.69' / 209.62' S= 0.0048 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.47 cfs @ 12.09 hrs HW=210.48' TW=207.67' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.47 cfs @ 3.02 fps)**Summary for Pond CB14: CB #14**

Inflow Area = 12,504 sf, 71.98% Impervious, Inflow Depth > 6.99" for 100YR event
 Inflow = 2.22 cfs @ 12.09 hrs, Volume= 7,283 cf
 Outflow = 2.22 cfs @ 12.09 hrs, Volume= 7,283 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.22 cfs @ 12.09 hrs, Volume= 7,283 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.90' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 23.2' Ke= 0.500

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Inlet / Outlet Invert= 200.79' / 200.67' S= 0.0052 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.17 cfs @ 12.09 hrs HW=202.80' TW=202.47' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 2.17 cfs @ 2.76 fps)

Summary for Pond CB15: CB #15

Inflow Area = 4,895 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.98 cfs @ 12.09 hrs, Volume= 3,596 cf
 Outflow = 0.98 cfs @ 12.09 hrs, Volume= 3,596 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.98 cfs @ 12.09 hrs, Volume= 3,596 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.62' @ 12.09 hrs

Flood Elev= 203.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.79'	12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 200.79' / 200.71' S= 0.0051 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.95 cfs @ 12.09 hrs HW=202.53' TW=202.46' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.95 cfs @ 1.21 fps)

Summary for Pond CB16: CB #16

Inflow Area = 8,326 sf, 65.96% Impervious, Inflow Depth > 6.62" for 100YR event
 Inflow = 1.42 cfs @ 12.09 hrs, Volume= 4,593 cf
 Outflow = 1.42 cfs @ 12.09 hrs, Volume= 4,593 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.42 cfs @ 12.09 hrs, Volume= 4,593 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.21' @ 12.09 hrs

Flood Elev= 206.64'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.47'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 203.47' / 203.33' S= 0.0067 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.39 cfs @ 12.09 hrs HW=204.20' TW=203.84' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.39 cfs @ 3.14 fps)

Summary for Pond CB17: CB #17

Inflow Area = 11,309 sf, 74.12% Impervious, Inflow Depth > 8.09" for 100YR event
 Inflow = 2.20 cfs @ 12.09 hrs, Volume= 7,623 cf
 Outflow = 2.20 cfs @ 12.09 hrs, Volume= 7,623 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.20 cfs @ 12.09 hrs, Volume= 7,623 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.33' @ 12.09 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.12'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 205.12' / 205.04' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.22 cfs @ 12.09 hrs HW=207.20' TW=206.85' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.22 cfs @ 2.83 fps)**Summary for Pond CB18: CB #18**

Inflow Area = 24,411 sf, 56.09% Impervious, Inflow Depth > 6.67" for 100YR event
 Inflow = 3.80 cfs @ 12.09 hrs, Volume= 13,579 cf
 Outflow = 3.80 cfs @ 12.09 hrs, Volume= 13,579 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.80 cfs @ 12.09 hrs, Volume= 13,579 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.00' @ 12.09 hrs

Flood Elev= 208.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	12.0" Round Culvert L= 16.2' Ke= 0.500 Inlet / Outlet Invert= 205.10' / 205.02' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.77 cfs @ 12.09 hrs HW=207.87' TW=206.87' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 3.77 cfs @ 4.81 fps)**Summary for Pond CB19: CB #19**

Inflow Area = 21,974 sf, 14.16% Impervious, Inflow Depth > 4.76" for 100YR event
 Inflow = 2.76 cfs @ 12.09 hrs, Volume= 8,722 cf
 Outflow = 2.76 cfs @ 12.09 hrs, Volume= 8,722 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.76 cfs @ 12.09 hrs, Volume= 8,722 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.63' @ 12.09 hrs

Flood Elev= 207.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.25'	12.0" Round Culvert L= 61.0' Ke= 0.500 Inlet / Outlet Invert= 203.25' / 202.94' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.73 cfs @ 12.09 hrs HW=204.60' TW=203.96' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 2.73 cfs @ 3.47 fps)

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Summary for Pond CB2: CB#2

Inflow Area = 18,869 sf, 73.64% Impervious, Inflow Depth > 7.85" for 100YR event
 Inflow = 3.61 cfs @ 12.09 hrs, Volume= 12,337 cf
 Outflow = 3.61 cfs @ 12.09 hrs, Volume= 12,337 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.61 cfs @ 12.09 hrs, Volume= 12,337 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.08' @ 12.10 hrs

Flood Elev= 208.03'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.86'	12.0" Round Culvert L= 92.1' Ke= 0.500 Inlet / Outlet Invert= 204.86' / 204.40' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.54 cfs @ 12.09 hrs HW=206.97' TW=205.58' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 3.54 cfs @ 4.51 fps)**Summary for Pond CB20: CB #20**

Inflow Area = 15,474 sf, 80.34% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 3.03 cfs @ 12.09 hrs, Volume= 10,587 cf
 Outflow = 3.03 cfs @ 12.09 hrs, Volume= 10,587 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.03 cfs @ 12.09 hrs, Volume= 10,587 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.66' @ 12.09 hrs

Flood Elev= 207.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.97'	12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 203.97' / 203.81' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.95 cfs @ 12.09 hrs HW=206.53' TW=205.92' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 2.95 cfs @ 3.75 fps)**Summary for Pond CB21: CB #21**

Inflow Area = 11,800 sf, 93.49% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 2.32 cfs @ 12.09 hrs, Volume= 8,193 cf
 Outflow = 2.32 cfs @ 12.09 hrs, Volume= 8,193 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.32 cfs @ 12.09 hrs, Volume= 8,193 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.39' @ 12.09 hrs

Flood Elev= 208.02'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.32'	12.0" Round Culvert L= 26.0' Ke= 0.500

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Inlet / Outlet Invert= 204.32' / 204.19' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.26 cfs @ 12.09 hrs HW=206.28' TW=205.92' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 2.26 cfs @ 2.88 fps)

Summary for Pond CB22: CB #22

Inflow Area = 9,287 sf, 87.71% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 1.84 cfs @ 12.09 hrs, Volume= 6,635 cf
 Outflow = 1.84 cfs @ 12.09 hrs, Volume= 6,635 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.84 cfs @ 12.09 hrs, Volume= 6,635 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.23' @ 12.09 hrs

Flood Elev= 208.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.33'	12.0" Round Culvert L= 16.1' Ke= 0.500 Inlet / Outlet Invert= 205.33' / 205.25' S= 0.0050 '/ n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.79 cfs @ 12.09 hrs HW=206.22' TW=205.63' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.79 cfs @ 3.24 fps)

Summary for Pond CB23: CB #23

Inflow Area = 3,194 sf, 63.15% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 0.62 cfs @ 12.09 hrs, Volume= 2,121 cf
 Outflow = 0.62 cfs @ 12.09 hrs, Volume= 2,121 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.62 cfs @ 12.09 hrs, Volume= 2,121 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.88' @ 12.09 hrs

Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.41'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 205.41' / 205.32' S= 0.0055 '/ n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.60 cfs @ 12.09 hrs HW=205.87' TW=205.63' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.60 cfs @ 2.49 fps)

Summary for Pond CB24: CB #24

Inflow Area = 2,843 sf, 88.46% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 2,031 cf
 Outflow = 0.56 cfs @ 12.09 hrs, Volume= 2,031 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.56 cfs @ 12.09 hrs, Volume= 2,031 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.04' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 205.21' / 205.15' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.55 cfs @ 12.09 hrs HW=206.02' TW=205.98' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.55 cfs @ 1.11 fps)**Summary for Pond CB25: CB #25**

Inflow Area = 8,812 sf, 96.03% Impervious, Inflow Depth > 8.69" for 100YR event
 Inflow = 1.75 cfs @ 12.09 hrs, Volume= 6,384 cf
 Outflow = 1.75 cfs @ 12.09 hrs, Volume= 6,384 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.75 cfs @ 12.09 hrs, Volume= 6,384 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.22' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.22'	12.0" Round Culvert L= 11.4' Ke= 0.500 Inlet / Outlet Invert= 205.22' / 205.16' S= 0.0053 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.72 cfs @ 12.09 hrs HW=206.19' TW=205.98' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.72 cfs @ 2.80 fps)**Summary for Pond CB26: CB #26**

Inflow Area = 12,787 sf, 75.08% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 2.51 cfs @ 12.09 hrs, Volume= 8,878 cf
 Outflow = 2.51 cfs @ 12.09 hrs, Volume= 8,878 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.51 cfs @ 12.09 hrs, Volume= 8,878 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.89' @ 12.09 hrs

Flood Elev= 204.93'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.77'	12.0" Round Culvert L= 42.5' Ke= 0.500 Inlet / Outlet Invert= 201.77' / 201.55' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.45 cfs @ 12.09 hrs HW=202.86' TW=202.27' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 2.45 cfs @ 3.55 fps)

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Summary for Pond CB27: CB #27

Inflow Area = 8,906 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 1.78 cfs @ 12.09 hrs, Volume= 6,542 cf
 Outflow = 1.78 cfs @ 12.09 hrs, Volume= 6,542 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.78 cfs @ 12.09 hrs, Volume= 6,542 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.55' @ 12.09 hrs

Flood Elev= 204.16'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.00'	12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 201.00' / 200.90' S= 0.0056 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.73 cfs @ 12.09 hrs HW=202.48' TW=202.27' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.73 cfs @ 2.20 fps)**Summary for Pond CB28: CB #28**

Inflow Area = 10,173 sf, 52.35% Impervious, Inflow Depth > 7.60" for 100YR event
 Inflow = 1.91 cfs @ 12.09 hrs, Volume= 6,444 cf
 Outflow = 1.91 cfs @ 12.09 hrs, Volume= 6,444 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.91 cfs @ 12.09 hrs, Volume= 6,444 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.76' @ 12.09 hrs

Flood Elev= 200.92'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.75'	12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 197.75' / 197.69' S= 0.0044 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.86 cfs @ 12.09 hrs HW=199.69' TW=199.45' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.86 cfs @ 2.37 fps)**Summary for Pond CB29: CB #29**

Inflow Area = 6,042 sf, 80.24% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 1.18 cfs @ 12.09 hrs, Volume= 4,134 cf
 Outflow = 1.18 cfs @ 12.09 hrs, Volume= 4,134 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.18 cfs @ 12.09 hrs, Volume= 4,134 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.36' @ 12.09 hrs

Flood Elev= 208.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 13.5' Ke= 0.500

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Inlet / Outlet Invert= 205.38' / 205.31' S= 0.0052 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.15 cfs @ 12.09 hrs HW=207.24' TW=207.15' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.15 cfs @ 1.46 fps)

Summary for Pond CB3: CB#3

Inflow Area = 16,074 sf, 74.25% Impervious, Inflow Depth > 7.60" for 100YR event
 Inflow = 3.02 cfs @ 12.09 hrs, Volume= 10,182 cf
 Outflow = 3.02 cfs @ 12.09 hrs, Volume= 10,182 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.02 cfs @ 12.09 hrs, Volume= 10,182 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.16' @ 12.09 hrs

Flood Elev= 210.96'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	12.0" Round Culvert L= 10.2' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.74' S= 0.0059 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.94 cfs @ 12.09 hrs HW=209.12' TW=208.26' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.94 cfs @ 3.74 fps)

Summary for Pond CB30: CB #30

Inflow Area = 11,846 sf, 63.21% Impervious, Inflow Depth > 7.72" for 100YR event
 Inflow = 2.25 cfs @ 12.09 hrs, Volume= 7,625 cf
 Outflow = 2.25 cfs @ 12.09 hrs, Volume= 7,625 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.25 cfs @ 12.09 hrs, Volume= 7,625 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.62' @ 12.09 hrs

Flood Elev= 208.54'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.38'	12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 205.38' / 205.29' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.19 cfs @ 12.09 hrs HW=207.49' TW=207.15' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 2.19 cfs @ 2.79 fps)

Summary for Pond CB31: CB #31

Inflow Area = 13,042 sf, 58.40% Impervious, Inflow Depth > 7.60" for 100YR event
 Inflow = 2.45 cfs @ 12.09 hrs, Volume= 8,262 cf
 Outflow = 2.45 cfs @ 12.09 hrs, Volume= 8,262 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.45 cfs @ 12.09 hrs, Volume= 8,262 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.35' @ 12.09 hrs

Flood Elev= 207.36'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.4' Ke= 0.500 Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.42 cfs @ 12.09 hrs HW=205.32' TW=204.91' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.42 cfs @ 3.08 fps)**Summary for Pond CB32: CB #32**

Inflow Area = 10,868 sf, 65.38% Impervious, Inflow Depth > 7.85" for 100YR event
 Inflow = 2.08 cfs @ 12.09 hrs, Volume= 7,105 cf
 Outflow = 2.08 cfs @ 12.09 hrs, Volume= 7,105 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.08 cfs @ 12.09 hrs, Volume= 7,105 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.24' @ 12.09 hrs

Flood Elev= 207.35'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.19'	12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.19' / 204.11' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.05 cfs @ 12.09 hrs HW=205.21' TW=204.91' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 2.05 cfs @ 3.18 fps)**Summary for Pond CB33: CB #33**

Inflow Area = 4,342 sf, 79.50% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 0.85 cfs @ 12.09 hrs, Volume= 2,971 cf
 Outflow = 0.85 cfs @ 12.09 hrs, Volume= 2,971 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.85 cfs @ 12.09 hrs, Volume= 2,971 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.14' @ 12.09 hrs

Flood Elev= 208.45'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.28'	12.0" Round Culvert L= 11.7' Ke= 0.500 Inlet / Outlet Invert= 205.28' / 205.22' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.83 cfs @ 12.09 hrs HW=206.12' TW=206.04' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.83 cfs @ 1.59 fps)

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Summary for Pond CB34: CB #34

Inflow Area = 5,967 sf, 75.68% Impervious, Inflow Depth > 8.09" for 100YR event
 Inflow = 1.16 cfs @ 12.09 hrs, Volume= 4,022 cf
 Outflow = 1.16 cfs @ 12.09 hrs, Volume= 4,022 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.16 cfs @ 12.09 hrs, Volume= 4,022 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.18' @ 12.09 hrs

Flood Elev= 208.38'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.21'	12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 205.21' / 205.13' S= 0.0048 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.13 cfs @ 12.09 hrs HW=206.15' TW=206.05' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 1.13 cfs @ 1.90 fps)**Summary for Pond CB35: CB #35**

Inflow Area = 2,891 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,124 cf
 Outflow = 0.58 cfs @ 12.09 hrs, Volume= 2,124 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.58 cfs @ 12.09 hrs, Volume= 2,124 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.57' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 15.2' Ke= 0.500 Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.55 cfs @ 12.09 hrs HW=207.56' TW=207.43' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 0.55 cfs @ 1.96 fps)**Summary for Pond CB36: CB #36**

Inflow Area = 6,229 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 1.24 cfs @ 12.09 hrs, Volume= 4,575 cf
 Outflow = 1.24 cfs @ 12.09 hrs, Volume= 4,575 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.24 cfs @ 12.09 hrs, Volume= 4,575 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.75' @ 12.09 hrs

Flood Elev= 210.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.04'	12.0" Round Culvert L= 16.1' Ke= 0.500

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Inlet / Outlet Invert= 207.04' / 206.96' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.21 cfs @ 12.09 hrs HW=207.74' TW=207.43' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.21 cfs @ 2.88 fps)

Summary for Pond CB37: CB #37

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 8.69" for 100YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 864 cf
 Outflow = 0.24 cfs @ 12.09 hrs, Volume= 864 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.24 cfs @ 12.09 hrs, Volume= 864 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.31' @ 12.09 hrs

Flood Elev= 212.66'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.07'	12.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 209.07' / 208.31' S= 0.0098 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.23 cfs @ 12.09 hrs HW=209.31' TW=208.47' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.23 cfs @ 2.44 fps)

Summary for Pond CB38: CB #38

Inflow Area = 21,247 sf, 76.54% Impervious, Inflow Depth > 7.72" for 100YR event
 Inflow = 4.03 cfs @ 12.09 hrs, Volume= 13,675 cf
 Outflow = 4.03 cfs @ 12.09 hrs, Volume= 13,675 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.03 cfs @ 12.09 hrs, Volume= 13,675 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.67' @ 12.09 hrs

Flood Elev= 212.94'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.77'	12.0" Round Culvert L= 22.4' Ke= 0.500 Inlet / Outlet Invert= 209.77' / 209.56' S= 0.0094 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.93 cfs @ 12.09 hrs HW=212.47' TW=211.39' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 3.93 cfs @ 5.00 fps)

Summary for Pond CB39: CB #39

Inflow Area = 7,773 sf, 98.44% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 1.55 cfs @ 12.09 hrs, Volume= 5,710 cf
 Outflow = 1.55 cfs @ 12.09 hrs, Volume= 5,710 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.55 cfs @ 12.09 hrs, Volume= 5,710 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.70' @ 12.09 hrs

Flood Elev= 212.88'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.72'	12.0" Round Culvert L= 17.3' Ke= 0.500 Inlet / Outlet Invert= 209.72' / 209.63' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.51 cfs @ 12.09 hrs HW=211.54' TW=211.38' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.51 cfs @ 1.92 fps)**Summary for Pond CB4: CB#4**

Inflow Area = 43,215 sf, 22.90% Impervious, Inflow Depth > 5.24" for 100YR event
 Inflow = 4.00 cfs @ 12.30 hrs, Volume= 18,880 cf
 Outflow = 4.00 cfs @ 12.30 hrs, Volume= 18,880 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.00 cfs @ 12.30 hrs, Volume= 18,880 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.49' @ 12.21 hrs

Flood Elev= 215.19'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.02'	15.0" Round Culvert L= 13.1' Ke= 0.500 Inlet / Outlet Invert= 212.02' / 211.96' S= 0.0046 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.03 cfs @ 12.30 hrs HW=213.35' TW=212.84' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 4.03 cfs @ 3.85 fps)**Summary for Pond CB40: CB #40**

Inflow Area = 4,552 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.91 cfs @ 12.09 hrs, Volume= 3,344 cf
 Outflow = 0.91 cfs @ 12.09 hrs, Volume= 3,344 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.91 cfs @ 12.09 hrs, Volume= 3,344 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.31' @ 12.09 hrs

Flood Elev= 216.85'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.68'	12.0" Round Culvert L= 26.7' Ke= 0.500 Inlet / Outlet Invert= 213.68' / 213.55' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.88 cfs @ 12.09 hrs HW=215.24' TW=215.19' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.88 cfs @ 1.13 fps)

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Summary for Pond CB41: CB #41

Inflow Area = 12,750 sf, 69.28% Impervious, Inflow Depth > 7.48" for 100YR event
 Inflow = 2.37 cfs @ 12.09 hrs, Volume= 7,947 cf
 Outflow = 2.37 cfs @ 12.09 hrs, Volume= 7,947 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.37 cfs @ 12.09 hrs, Volume= 7,947 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.65' @ 12.09 hrs

Flood Elev= 217.06'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.89'	12.0" Round Culvert L= 18.4' Ke= 0.500 Inlet / Outlet Invert= 213.89' / 213.80' S= 0.0049 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.31 cfs @ 12.09 hrs HW=215.57' TW=215.19' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 2.31 cfs @ 2.95 fps)**Summary for Pond CB42: CB #42**

Inflow Area = 11,269 sf, 36.46% Impervious, Inflow Depth > 5.88" for 100YR event
 Inflow = 1.74 cfs @ 12.09 hrs, Volume= 5,521 cf
 Outflow = 1.74 cfs @ 12.09 hrs, Volume= 5,521 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.74 cfs @ 12.09 hrs, Volume= 5,521 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.71' @ 12.09 hrs

Flood Elev= 221.08'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.91'	12.0" Round Culvert L= 58.1' Ke= 0.500 Inlet / Outlet Invert= 217.91' / 217.47' S= 0.0076 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.70 cfs @ 12.09 hrs HW=218.70' TW=218.10' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 1.70 cfs @ 3.52 fps)**Summary for Pond CB43: CB #43**

Inflow Area = 4,084 sf, 81.61% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 0.79 cfs @ 12.09 hrs, Volume= 2,712 cf
 Outflow = 0.79 cfs @ 12.09 hrs, Volume= 2,712 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.79 cfs @ 12.09 hrs, Volume= 2,712 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.68' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500

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Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.77 cfs @ 12.09 hrs HW=220.67' TW=220.55' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.77 cfs @ 1.94 fps)

Summary for Pond CB44: CB #44

Inflow Area = 1,662 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,221 cf
 Outflow = 0.33 cfs @ 12.09 hrs, Volume= 1,221 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.33 cfs @ 12.09 hrs, Volume= 1,221 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.60' @ 12.09 hrs

Flood Elev= 223.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.00'	12.0" Round Culvert L= 14.9' Ke= 0.500 Inlet / Outlet Invert= 220.00' / 219.93' S= 0.0047 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.32 cfs @ 12.09 hrs HW=220.58' TW=220.55' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.32 cfs @ 0.98 fps)

Summary for Pond CB45: CB #45

Inflow Area = 2,109 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.42 cfs @ 12.09 hrs, Volume= 1,549 cf
 Outflow = 0.42 cfs @ 12.09 hrs, Volume= 1,549 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.42 cfs @ 12.09 hrs, Volume= 1,549 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.68' @ 12.09 hrs

Flood Elev= 224.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.29'	12.0" Round Culvert L= 18.2' Ke= 0.500 Inlet / Outlet Invert= 221.29' / 221.20' S= 0.0049 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.41 cfs @ 12.09 hrs HW=221.67' TW=221.42' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.41 cfs @ 2.19 fps)

Summary for Pond CB46: CB #46

Inflow Area = 1,371 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.27 cfs @ 12.09 hrs, Volume= 1,007 cf
 Outflow = 0.27 cfs @ 12.09 hrs, Volume= 1,007 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.27 cfs @ 12.09 hrs, Volume= 1,007 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.84' @ 12.09 hrs

Flood Elev= 224.69'

Device	Routing	Invert	Outlet Devices
#1	Primary	221.53'	12.0" Round Culvert L= 15.3' Ke= 0.500 Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.27 cfs @ 12.09 hrs HW=221.83' TW=221.42' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.27 cfs @ 1.97 fps)**Summary for Pond CB47: CB#47**

Inflow Area = 3,004 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.60 cfs @ 12.09 hrs, Volume= 2,207 cf
 Outflow = 0.60 cfs @ 12.09 hrs, Volume= 2,207 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.60 cfs @ 12.09 hrs, Volume= 2,207 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 226.23' @ 12.16 hrs

Flood Elev= 228.22'

Device	Routing	Invert	Outlet Devices
#1	Primary	225.05'	12.0" Round Culvert L= 20.9' Ke= 0.500 Inlet / Outlet Invert= 225.05' / 224.27' S= 0.0373 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.09 hrs HW=225.79' TW=225.71' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.73 cfs @ 1.63 fps)**Summary for Pond CB48: CB#48**

Inflow Area = 60,065 sf, 25.95% Impervious, Inflow Depth > 5.38" for 100YR event
 Inflow = 7.15 cfs @ 12.16 hrs, Volume= 26,914 cf
 Outflow = 7.15 cfs @ 12.16 hrs, Volume= 26,914 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.15 cfs @ 12.16 hrs, Volume= 26,914 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 227.67' @ 12.16 hrs

Flood Elev= 228.28'

Device	Routing	Invert	Outlet Devices
#1	Primary	224.47'	15.0" Round Culvert L= 16.9' Ke= 0.500 Inlet / Outlet Invert= 224.47' / 224.00' S= 0.0278 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=7.03 cfs @ 12.16 hrs HW=227.57' TW=226.16' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 7.03 cfs @ 5.73 fps)

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Summary for Pond CB49: CB#49

Inflow Area = 1,659 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,219 cf
 Outflow = 0.33 cfs @ 12.09 hrs, Volume= 1,219 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.33 cfs @ 12.09 hrs, Volume= 1,219 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.87' @ 12.15 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	216.30'	12.0" Round Culvert L= 15.4' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.06' S= 0.0156 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.79 cfs @ 12.09 hrs HW=217.24' TW=217.19' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.79 cfs @ 1.33 fps)**Summary for Pond CB5: CB#5**

Inflow Area = 1,456 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 1,069 cf
 Outflow = 0.29 cfs @ 12.09 hrs, Volume= 1,069 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.29 cfs @ 12.09 hrs, Volume= 1,069 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.17' @ 12.17 hrs

Flood Elev= 215.33'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.11'	12.0" Round Culvert L= 30.5' Ke= 0.500 Inlet / Outlet Invert= 212.11' / 211.96' S= 0.0049 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.33 cfs @ 12.09 hrs HW=212.87' TW=212.86' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.33 cfs @ 0.70 fps)**Summary for Pond CB50: CB#50**

Inflow Area = 6,448 sf, 27.62% Impervious, Inflow Depth > 5.51" for 100YR event
 Inflow = 0.94 cfs @ 12.09 hrs, Volume= 2,959 cf
 Outflow = 0.94 cfs @ 12.09 hrs, Volume= 2,959 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.94 cfs @ 12.09 hrs, Volume= 2,959 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.91' @ 12.15 hrs

Flood Elev= 219.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	215.36'	12.0" Round Culvert L= 17.3' Ke= 0.500

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Inlet / Outlet Invert= 215.36' / 214.50' S= 0.0497 '/' Cc= 0.900
 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.92 cfs @ 12.09 hrs HW=217.35' TW=217.30' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.92 cfs @ 1.17 fps)

Summary for Pond CB6: CB#6

Inflow Area = 1,704 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.34 cfs @ 12.09 hrs, Volume= 1,252 cf
 Outflow = 0.34 cfs @ 12.09 hrs, Volume= 1,252 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.34 cfs @ 12.09 hrs, Volume= 1,252 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.18' @ 12.17 hrs

Flood Elev= 215.73'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.39'	12.0" Round Culvert L= 38.3' Ke= 0.500 Inlet / Outlet Invert= 212.39' / 211.96' S= 0.0112 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.39 cfs @ 12.09 hrs HW=212.93' TW=212.86' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.39 cfs @ 1.32 fps)

Summary for Pond CB7: CB#7

Inflow Area = 12,750 sf, 47.72% Impervious, Inflow Depth > 6.50" for 100YR event
 Inflow = 2.14 cfs @ 12.09 hrs, Volume= 6,903 cf
 Outflow = 2.14 cfs @ 12.09 hrs, Volume= 6,903 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.14 cfs @ 12.09 hrs, Volume= 6,903 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.45' @ 12.10 hrs

Flood Elev= 217.77'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.60'	12.0" Round Culvert L= 104.0' Ke= 0.500 Inlet / Outlet Invert= 214.60' / 213.68' S= 0.0088 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.12 cfs @ 12.09 hrs HW=215.44' TW=214.34' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 2.12 cfs @ 4.07 fps)

Summary for Pond CB8: CB#8

Inflow Area = 38,601 sf, 25.40% Impervious, Inflow Depth > 5.37" for 100YR event
 Inflow = 3.91 cfs @ 12.25 hrs, Volume= 17,274 cf
 Outflow = 3.91 cfs @ 12.25 hrs, Volume= 17,274 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.91 cfs @ 12.25 hrs, Volume= 17,274 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.72' @ 12.25 hrs

Flood Elev= 217.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.06'	12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 214.06' / 214.00' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.90 cfs @ 12.25 hrs HW=215.72' TW=214.35' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.90 cfs @ 4.97 fps)**Summary for Pond CB9: CB #9**

Inflow Area = 13,846 sf, 80.54% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 2.71 cfs @ 12.09 hrs, Volume= 9,473 cf
 Outflow = 2.71 cfs @ 12.09 hrs, Volume= 9,473 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.71 cfs @ 12.09 hrs, Volume= 9,473 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.41' @ 12.09 hrs

Flood Elev= 213.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.10'	12.0" Round Culvert L= 19.9' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 209.71' S= 0.0196 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=2.64 cfs @ 12.09 hrs HW=211.35' TW=210.86' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 2.64 cfs @ 3.36 fps)**Summary for Pond D1: DMH#1**

Inflow Area = 231,175 sf, 36.91% Impervious, Inflow Depth > 5.92" for 100YR event
 Inflow = 24.84 cfs @ 12.14 hrs, Volume= 113,996 cf
 Outflow = 24.84 cfs @ 12.14 hrs, Volume= 113,996 cf, Atten= 0%, Lag= 0.0 min
 Primary = 24.84 cfs @ 12.14 hrs, Volume= 113,996 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.71' @ 12.14 hrs

Flood Elev= 209.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.90'	30.0" Round Culvert L= 24.6' Ke= 0.500 Inlet / Outlet Invert= 202.90' / 202.78' S= 0.0049 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=24.72 cfs @ 12.14 hrs HW=205.70' TW=201.58' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 24.72 cfs @ 5.61 fps)

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Summary for Pond D10: DMH #10

Inflow Area = 44,046 sf, 62.59% Impervious, Inflow Depth > 7.03" for 100YR event
 Inflow = 7.42 cfs @ 12.09 hrs, Volume= 25,795 cf
 Outflow = 7.42 cfs @ 12.09 hrs, Volume= 25,795 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.42 cfs @ 12.09 hrs, Volume= 25,795 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.87' @ 12.09 hrs

Flood Elev= 206.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	202.08'	18.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 202.08' / 202.00' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=7.25 cfs @ 12.09 hrs HW=203.84' TW=198.02' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 7.25 cfs @ 4.41 fps)**Summary for Pond D11: DMH #11**

Inflow Area = 35,720 sf, 61.80% Impervious, Inflow Depth > 7.12" for 100YR event
 Inflow = 6.00 cfs @ 12.09 hrs, Volume= 21,202 cf
 Outflow = 6.00 cfs @ 12.09 hrs, Volume= 21,202 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.00 cfs @ 12.09 hrs, Volume= 21,202 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.97' @ 12.09 hrs

Flood Elev= 208.49'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.77'	15.0" Round Culvert L= 246.5' Ke= 0.500 Inlet / Outlet Invert= 204.77' / 203.04' S= 0.0070 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.87 cfs @ 12.09 hrs HW=206.86' TW=203.84' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 5.87 cfs @ 4.78 fps)**Summary for Pond D12: DMH #12**

Inflow Area = 27,274 sf, 86.03% Impervious, Inflow Depth > 8.26" for 100YR event
 Inflow = 5.35 cfs @ 12.09 hrs, Volume= 18,780 cf
 Outflow = 5.35 cfs @ 12.09 hrs, Volume= 18,780 cf, Atten= 0%, Lag= 0.0 min
 Primary = 5.35 cfs @ 12.09 hrs, Volume= 18,780 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.02' @ 12.09 hrs

Flood Elev= 207.78'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.21'	12.0" Round Culvert L= 41.9' Ke= 0.500

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Inlet / Outlet Invert= 203.21' / 203.00' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=5.21 cfs @ 12.09 hrs HW=205.92' TW=203.95' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 5.21 cfs @ 6.63 fps)

Summary for Pond D13: DMH #13

Inflow Area = 73,384 sf, 65.02% Impervious, Inflow Depth > 7.30" for 100YR event
 Inflow = 12.88 cfs @ 12.09 hrs, Volume= 44,672 cf
 Outflow = 12.88 cfs @ 12.09 hrs, Volume= 44,672 cf, Atten= 0%, Lag= 0.0 min
 Primary = 12.88 cfs @ 12.09 hrs, Volume= 44,672 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.99' @ 12.09 hrs

Flood Elev= 208.12'

Device	Routing	Invert	Outlet Devices
#1	Primary	201.95'	24.0" Round Culvert L= 60.1' Ke= 0.500 Inlet / Outlet Invert= 201.95' / 201.65' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.56 cfs @ 12.09 hrs HW=203.95' TW=198.02' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 12.56 cfs @ 4.97 fps)

Summary for Pond D14: DMH #14

Inflow Area = 24,136 sf, 87.59% Impervious, Inflow Depth > 8.54" for 100YR event
 Inflow = 4.78 cfs @ 12.09 hrs, Volume= 17,171 cf
 Outflow = 4.78 cfs @ 12.09 hrs, Volume= 17,171 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.78 cfs @ 12.09 hrs, Volume= 17,171 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.66' @ 12.09 hrs

Flood Elev= 208.81'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.28'	15.0" Round Culvert L= 246.6' Ke= 0.500 Inlet / Outlet Invert= 204.28' / 203.05' S= 0.0050 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.65 cfs @ 12.09 hrs HW=205.63' TW=203.95' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 4.65 cfs @ 4.38 fps)

Summary for Pond D16: DMH #16

Inflow Area = 11,655 sf, 94.18% Impervious, Inflow Depth > 8.66" for 100YR event
 Inflow = 2.32 cfs @ 12.09 hrs, Volume= 8,415 cf
 Outflow = 2.32 cfs @ 12.09 hrs, Volume= 8,415 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.32 cfs @ 12.09 hrs, Volume= 8,415 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.01' @ 12.09 hrs

Flood Elev= 208.59'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.90'	15.0" Round Culvert L= 103.5' Ke= 0.500 Inlet / Outlet Invert= 204.90' / 204.38' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.26 cfs @ 12.09 hrs HW=205.98' TW=205.63' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 2.26 cfs @ 2.67 fps)**Summary for Pond D17: DMH #17**

Inflow Area = 21,693 sf, 85.31% Impervious, Inflow Depth > 8.53" for 100YR event
 Inflow = 4.29 cfs @ 12.09 hrs, Volume= 15,420 cf
 Outflow = 4.29 cfs @ 12.09 hrs, Volume= 15,420 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.29 cfs @ 12.09 hrs, Volume= 15,420 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.33' @ 12.09 hrs

Flood Elev= 204.84'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.55'	12.0" Round Culvert L= 91.6' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 197.69' S= 0.0312 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=4.18 cfs @ 12.09 hrs HW=202.27' TW=199.44' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 4.18 cfs @ 5.32 fps)**Summary for Pond D18: DMH #18**

Inflow Area = 31,866 sf, 74.79% Impervious, Inflow Depth > 8.23" for 100YR event
 Inflow = 6.20 cfs @ 12.09 hrs, Volume= 21,864 cf
 Outflow = 6.20 cfs @ 12.09 hrs, Volume= 21,864 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.20 cfs @ 12.09 hrs, Volume= 21,864 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.51' @ 12.09 hrs

Flood Elev= 201.13'

Device	Routing	Invert	Outlet Devices
#1	Primary	197.44'	15.0" Round Culvert L= 51.4' Ke= 0.500 Inlet / Outlet Invert= 197.44' / 197.18' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.04 cfs @ 12.09 hrs HW=199.45' TW=196.39' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 6.04 cfs @ 4.92 fps)

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Summary for Pond D19: DMH #19

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 7.89" for 100YR event
 Inflow = 3.43 cfs @ 12.09 hrs, Volume= 11,758 cf
 Outflow = 3.43 cfs @ 12.09 hrs, Volume= 11,758 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.43 cfs @ 12.09 hrs, Volume= 11,758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.26' @ 12.09 hrs

Flood Elev= 208.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.19'	12.0" Round Culvert L= 82.5' Ke= 0.500 Inlet / Outlet Invert= 205.19' / 204.43' S= 0.0092 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.34 cfs @ 12.09 hrs HW=207.15' TW=206.00' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 3.34 cfs @ 4.25 fps)**Summary for Pond D2: DMH#2**

Inflow Area = 212,306 sf, 33.64% Impervious, Inflow Depth > 5.75" for 100YR event
 Inflow = 22.04 cfs @ 12.16 hrs, Volume= 101,659 cf
 Outflow = 22.04 cfs @ 12.16 hrs, Volume= 101,659 cf, Atten= 0%, Lag= 0.0 min
 Primary = 22.04 cfs @ 12.16 hrs, Volume= 101,659 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.41' @ 12.16 hrs

Flood Elev= 211.04'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.29'	30.0" Round Culvert L= 129.9' Ke= 0.500 Inlet / Outlet Invert= 206.29' / 204.41' S= 0.0145 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 4.91 sf

Primary OutFlow Max=21.88 cfs @ 12.16 hrs HW=208.40' TW=205.68' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 21.88 cfs @ 4.95 fps)**Summary for Pond D20: DMH #20**

Inflow Area = 17,888 sf, 68.96% Impervious, Inflow Depth > 7.89" for 100YR event
 Inflow = 3.43 cfs @ 12.09 hrs, Volume= 11,758 cf
 Outflow = 3.43 cfs @ 12.09 hrs, Volume= 11,758 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.43 cfs @ 12.09 hrs, Volume= 11,758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.06' @ 12.09 hrs

Flood Elev= 207.68'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.33'	12.0" Round Culvert L= 63.5' Ke= 0.500

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Inlet / Outlet Invert= 204.33' / 204.02' S= 0.0049 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.34 cfs @ 12.09 hrs HW=206.00' TW=204.91' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.34 cfs @ 4.25 fps)

Summary for Pond D21: DMH #21

Inflow Area = 62,419 sf, 72.53% Impervious, Inflow Depth > 8.01" for 100YR event
 Inflow = 12.03 cfs @ 12.09 hrs, Volume= 41,681 cf
 Outflow = 12.03 cfs @ 12.09 hrs, Volume= 41,681 cf, Atten= 0%, Lag= 0.0 min
 Primary = 12.03 cfs @ 12.09 hrs, Volume= 41,681 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.95' @ 12.09 hrs

Flood Elev= 207.55'

Device	Routing	Invert	Outlet Devices
#1	Primary	203.02'	24.0" Round Culvert L= 72.4' Ke= 0.500 Inlet / Outlet Invert= 203.02' / 202.66' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=11.71 cfs @ 12.09 hrs HW=204.91' TW=202.51' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 11.71 cfs @ 4.92 fps)

Summary for Pond D22: DMH #22

Inflow Area = 20,621 sf, 88.31% Impervious, Inflow Depth > 8.47" for 100YR event
 Inflow = 4.06 cfs @ 12.09 hrs, Volume= 14,555 cf
 Outflow = 4.06 cfs @ 12.09 hrs, Volume= 14,555 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.06 cfs @ 12.09 hrs, Volume= 14,555 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.07' @ 12.09 hrs

Flood Elev= 208.46'

Device	Routing	Invert	Outlet Devices
#1	Primary	204.87'	15.0" Round Culvert L= 134.2' Ke= 0.500 Inlet / Outlet Invert= 204.87' / 203.92' S= 0.0071 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.96 cfs @ 12.09 hrs HW=206.04' TW=204.91' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 3.96 cfs @ 4.28 fps)

Summary for Pond D23: DMH #23

Inflow Area = 10,312 sf, 99.33% Impervious, Inflow Depth > 8.80" for 100YR event
 Inflow = 2.06 cfs @ 12.09 hrs, Volume= 7,563 cf
 Outflow = 2.06 cfs @ 12.09 hrs, Volume= 7,563 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.06 cfs @ 12.09 hrs, Volume= 7,563 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.45' @ 12.09 hrs

Flood Elev= 210.30'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.70'	15.0" Round Culvert L= 173.3' Ke= 0.500 Inlet / Outlet Invert= 206.70' / 204.97' S= 0.0100 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.00 cfs @ 12.09 hrs HW=207.43' TW=206.04' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 2.00 cfs @ 3.85 fps)**Summary for Pond D24: DMH #24**

Inflow Area = 1,192 sf, 94.21% Impervious, Inflow Depth > 8.69" for 100YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 864 cf
 Outflow = 0.24 cfs @ 12.09 hrs, Volume= 864 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.24 cfs @ 12.09 hrs, Volume= 864 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.47' @ 12.09 hrs

Flood Elev= 211.62'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.21'	12.0" Round Culvert L= 140.9' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 207.13' S= 0.0077 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.23 cfs @ 12.09 hrs HW=208.47' TW=207.43' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.23 cfs @ 2.19 fps)**Summary for Pond D25: DMH #25**

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 7.67" for 100YR event
 Inflow = 12.41 cfs @ 12.09 hrs, Volume= 42,685 cf
 Outflow = 12.41 cfs @ 12.09 hrs, Volume= 42,685 cf, Atten= 0%, Lag= 0.0 min
 Primary = 12.41 cfs @ 12.09 hrs, Volume= 42,685 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.54' @ 12.09 hrs

Flood Elev= 213.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	207.75'	18.0" Round Culvert L= 165.0' Ke= 0.500 Inlet / Outlet Invert= 207.75' / 206.93' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=12.10 cfs @ 12.09 hrs HW=211.39' TW=208.36' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 12.10 cfs @ 6.85 fps)

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Summary for Pond D26: DMH #26

Inflow Area = 66,817 sf, 74.66% Impervious, Inflow Depth > 7.67" for 100YR event
 Inflow = 12.41 cfs @ 12.09 hrs, Volume= 42,685 cf
 Outflow = 12.41 cfs @ 12.09 hrs, Volume= 42,685 cf, Atten= 0%, Lag= 0.0 min
 Primary = 12.41 cfs @ 12.09 hrs, Volume= 42,685 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.40' @ 12.09 hrs

Flood Elev= 213.57'

Device	Routing	Invert	Outlet Devices
#1	Primary	206.43'	24.0" Round Culvert L= 72.0' Ke= 0.500 Inlet / Outlet Invert= 206.43' / 206.07' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.09 cfs @ 12.09 hrs HW=208.36' TW=204.11' (Dynamic Tailwater)**1=Culvert** (Barrel Controls 12.09 cfs @ 4.96 fps)**Summary for Pond D27: DMH #27**

Inflow Area = 37,797 sf, 68.71% Impervious, Inflow Depth > 7.40" for 100YR event
 Inflow = 6.83 cfs @ 12.09 hrs, Volume= 23,300 cf
 Outflow = 6.83 cfs @ 12.09 hrs, Volume= 23,300 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.83 cfs @ 12.09 hrs, Volume= 23,300 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.26' @ 12.09 hrs

Flood Elev= 217.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	213.30'	15.0" Round Culvert L= 247.1' Ke= 0.500 Inlet / Outlet Invert= 213.30' / 208.48' S= 0.0195 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.66 cfs @ 12.09 hrs HW=215.20' TW=211.40' (Dynamic Tailwater)**1=Culvert** (Inlet Controls 6.66 cfs @ 5.43 fps)**Summary for Pond D28: DMH #28**

Inflow Area = 20,495 sf, 61.40% Impervious, Inflow Depth > 7.03" for 100YR event
 Inflow = 3.55 cfs @ 12.09 hrs, Volume= 12,009 cf
 Outflow = 3.55 cfs @ 12.09 hrs, Volume= 12,009 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.55 cfs @ 12.09 hrs, Volume= 12,009 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.11' @ 12.09 hrs

Flood Elev= 220.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	217.12'	15.0" Round Culvert L= 189.5' Ke= 0.500

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Inlet / Outlet Invert= 217.12' / 213.40' S= 0.0196 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.46 cfs @ 12.09 hrs HW=218.10' TW=215.20' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 3.46 cfs @ 3.36 fps)

Summary for Pond D29: DMH #29

Inflow Area = 9,226 sf, 91.86% Impervious, Inflow Depth > 8.44" for 100YR event
 Inflow = 1.81 cfs @ 12.09 hrs, Volume= 6,488 cf
 Outflow = 1.81 cfs @ 12.09 hrs, Volume= 6,488 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.81 cfs @ 12.09 hrs, Volume= 6,488 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.57' @ 12.09 hrs

Flood Elev= 223.21'

Device	Routing	Invert	Outlet Devices
#1	Primary	219.83'	12.0" Round Culvert L= 118.4' Ke= 0.500 Inlet / Outlet Invert= 219.83' / 217.54' S= 0.0193 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.76 cfs @ 12.09 hrs HW=220.55' TW=218.09' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.76 cfs @ 2.90 fps)

Summary for Pond D3: DMH#3

Inflow Area = 168,902 sf, 30.18% Impervious, Inflow Depth > 5.59" for 100YR event
 Inflow = 17.05 cfs @ 12.17 hrs, Volume= 78,677 cf
 Outflow = 17.05 cfs @ 12.17 hrs, Volume= 78,677 cf, Atten= 0%, Lag= 0.0 min
 Primary = 17.05 cfs @ 12.17 hrs, Volume= 78,677 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.17' @ 12.17 hrs

Flood Elev= 215.29'

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	24.0" Round Culvert L= 282.0' Ke= 0.500 Inlet / Outlet Invert= 210.90' / 206.79' S= 0.0146 ' / ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.87 cfs @ 12.17 hrs HW=213.14' TW=208.40' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 16.87 cfs @ 5.37 fps)

Summary for Pond D30: DMH #30

Inflow Area = 3,480 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.69 cfs @ 12.09 hrs, Volume= 2,556 cf
 Outflow = 0.69 cfs @ 12.09 hrs, Volume= 2,556 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.69 cfs @ 12.09 hrs, Volume= 2,556 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.43' @ 12.09 hrs

Flood Elev= 224.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	220.92'	12.0" Round Culvert L= 184.2' Ke= 0.500 Inlet / Outlet Invert= 220.92' / 220.00' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.09 hrs HW=221.42' TW=220.55' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.68 cfs @ 2.49 fps)**Summary for Pond D31: DMH#31**

Inflow Area = 63,069 sf, 29.48% Impervious, Inflow Depth > 5.54" for 100YR event
 Inflow = 7.59 cfs @ 12.16 hrs, Volume= 29,121 cf
 Outflow = 7.59 cfs @ 12.16 hrs, Volume= 29,121 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.59 cfs @ 12.16 hrs, Volume= 29,121 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 226.21' @ 12.16 hrs

Flood Elev= 227.44'

Device	Routing	Invert	Outlet Devices
#1	Primary	223.94'	15.0" Round Culvert L= 158.7' Ke= 0.500 Inlet / Outlet Invert= 223.94' / 214.45' S= 0.0598 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=7.50 cfs @ 12.16 hrs HW=226.17' TW=217.79' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 7.50 cfs @ 6.11 fps)**Summary for Pond D32: DMH#32**

Inflow Area = 71,176 sf, 30.95% Impervious, Inflow Depth > 5.61" for 100YR event
 Inflow = 8.58 cfs @ 12.15 hrs, Volume= 33,299 cf
 Outflow = 8.58 cfs @ 12.15 hrs, Volume= 33,299 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.58 cfs @ 12.15 hrs, Volume= 33,299 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.87' @ 12.15 hrs

Flood Elev= 219.23'

Device	Routing	Invert	Outlet Devices
#1	Primary	214.25'	15.0" Round Culvert L= 122.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 213.64' S= 0.0050 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=8.57 cfs @ 12.15 hrs HW=217.86' TW=214.52' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 8.57 cfs @ 6.98 fps)

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Summary for Pond D4: DMH#4

Inflow Area = 122,527 sf, 30.95% Impervious, Inflow Depth > 5.63" for 100YR event
 Inflow = 13.51 cfs @ 12.16 hrs, Volume= 57,476 cf
 Outflow = 13.51 cfs @ 12.16 hrs, Volume= 57,476 cf, Atten= 0%, Lag= 0.0 min
 Primary = 13.51 cfs @ 12.16 hrs, Volume= 57,476 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.53' @ 12.16 hrs

Flood Elev= 217.27'

Device	Routing	Invert	Outlet Devices
#1	Primary	212.68'	24.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 212.68' / 211.04' S= 0.0125 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.44 cfs @ 12.16 hrs HW=214.52' TW=213.15' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 13.44 cfs @ 5.81 fps)**Summary for Pond D5: DMH #5**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 8.02" for 100YR event
 Inflow = 7.27 cfs @ 12.09 hrs, Volume= 25,287 cf
 Outflow = 7.27 cfs @ 12.09 hrs, Volume= 25,287 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.27 cfs @ 12.09 hrs, Volume= 25,287 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.91' @ 12.09 hrs

Flood Elev= 212.97'

Device	Routing	Invert	Outlet Devices
#1	Primary	209.09'	18.0" Round Culvert L= 183.0' Ke= 0.500 Inlet / Outlet Invert= 209.09' / 208.17' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=7.10 cfs @ 12.09 hrs HW=210.86' TW=209.69' (Dynamic Tailwater)**1=Culvert** (Outlet Controls 7.10 cfs @ 4.29 fps)**Summary for Pond D6: DMH #6**

Inflow Area = 37,836 sf, 72.32% Impervious, Inflow Depth > 8.02" for 100YR event
 Inflow = 7.27 cfs @ 12.09 hrs, Volume= 25,287 cf
 Outflow = 7.27 cfs @ 12.09 hrs, Volume= 25,287 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.27 cfs @ 12.09 hrs, Volume= 25,287 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.72' @ 12.09 hrs

Flood Elev= 214.82'

Device	Routing	Invert	Outlet Devices
#1	Primary	208.07'	18.0" Round Culvert L= 299.7' Ke= 0.500

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Inlet / Outlet Invert= 208.07' / 206.57' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=7.09 cfs @ 12.09 hrs HW=209.69' TW=207.67' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 7.09 cfs @ 4.63 fps)

Summary for Pond D7: DMH #7

Inflow Area = 55,267 sf, 67.83% Impervious, Inflow Depth > 7.88" for 100YR event
 Inflow = 10.53 cfs @ 12.09 hrs, Volume= 36,274 cf
 Outflow = 10.53 cfs @ 12.09 hrs, Volume= 36,274 cf, Atten= 0%, Lag= 0.0 min
 Primary = 10.53 cfs @ 12.09 hrs, Volume= 36,274 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.70' @ 12.09 hrs

Flood Elev= 213.17'

Device	Routing	Invert	Outlet Devices
#1	Primary	205.97'	24.0" Round Culvert L= 101.8' Ke= 0.500 Inlet / Outlet Invert= 205.97' / 205.46' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.26 cfs @ 12.09 hrs HW=207.67' TW=202.52' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 10.26 cfs @ 4.85 fps)

Summary for Pond D8: DMH #8

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 7.50" for 100YR event
 Inflow = 3.20 cfs @ 12.09 hrs, Volume= 10,878 cf
 Outflow = 3.20 cfs @ 12.09 hrs, Volume= 10,878 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.20 cfs @ 12.09 hrs, Volume= 10,878 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.56' @ 12.09 hrs

Flood Elev= 204.72'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.57'	12.0" Round Culvert L= 87.7' Ke= 0.500 Inlet / Outlet Invert= 200.57' / 200.13' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.12 cfs @ 12.09 hrs HW=202.47' TW=201.43' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 3.12 cfs @ 3.97 fps)

Summary for Pond D9: DMH #9

Inflow Area = 17,399 sf, 79.86% Impervious, Inflow Depth > 7.50" for 100YR event
 Inflow = 3.20 cfs @ 12.09 hrs, Volume= 10,878 cf
 Outflow = 3.20 cfs @ 12.09 hrs, Volume= 10,878 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.20 cfs @ 12.09 hrs, Volume= 10,878 cf

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.46' @ 12.08 hrs

Flood Elev= 204.80'

Device	Routing	Invert	Outlet Devices
#1	Primary	200.03'	12.0" Round Culvert L= 11.9' Ke= 0.500 Inlet / Outlet Invert= 200.03' / 199.97' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.12 cfs @ 12.09 hrs HW=201.43' TW=198.02' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.12 cfs @ 3.97 fps)**Summary for Pond DE1: DRIP #1**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,902 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,055 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 847 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 224.65' @ 12.16 hrs Surf.Area= 321 sf Storage= 342 cf

Plug-Flow detention time= 55.3 min calculated for 1,898 cf (100% of inflow)

Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	221.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.99	321	0.0	0	0
222.00	321	40.0	1	1
224.99	321	40.0	384	385
225.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	224.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.50' / 223.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=222.02' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=224.64' TW=218.02' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.38 cfs @ 4.39 fps)

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Summary for Pond DE10: DRIP #10

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,713 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 961 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 753 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.53' @ 12.16 hrs Surf.Area= 290 sf Storage= 295 cf

Plug-Flow detention time= 54.7 min calculated for 1,713 cf (100% of inflow)
 Center-of-Mass det. time= 54.5 min (808.6 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	290	0.0	0	0
212.00	290	40.0	1	1
214.99	290	40.0	347	348
215.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=212.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=214.53' TW=202.86' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.09 fps)

Summary for Pond DE11: DRIP #11

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf
 Outflow = 0.41 cfs @ 12.16 hrs, Volume= 1,929 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.35 hrs, Volume= 1,071 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 858 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.66' @ 12.16 hrs Surf.Area= 321 sf Storage= 343 cf

Plug-Flow detention time= 54.9 min calculated for 1,925 cf (100% of inflow)

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Center-of-Mass det. time= 54.7 min (808.7 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.35 hrs HW=211.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=213.64' TW=202.87' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.38 cfs @ 4.41 fps)**Summary for Pond DE12: DRIP #12**

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,372 cf
 Outflow = 0.49 cfs @ 12.16 hrs, Volume= 2,372 cf, Atten= 26%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 8.45 hrs, Volume= 1,038 cf
 Primary = 0.47 cfs @ 12.16 hrs, Volume= 1,334 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.28' @ 12.16 hrs Surf.Area= 285 sf Storage= 295 cf

Plug-Flow detention time= 34.1 min calculated for 2,372 cf (100% of inflow)

Center-of-Mass det. time= 33.9 min (783.6 - 749.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.69'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.69	285	0.0	0	0
210.70	285	40.0	1	1
213.69	285	40.0	341	342
213.70	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.70'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.70' / 211.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.69'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.45 hrs HW=210.72' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.16 hrs HW=213.25' TW=202.88' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.47 cfs @ 5.35 fps)**Summary for Pond DE13: DRIP #13**

Inflow Area = 4,097 sf, 90.68% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 0.81 cfs @ 12.09 hrs, Volume= 2,927 cf
 Outflow = 0.78 cfs @ 12.12 hrs, Volume= 2,927 cf, Atten= 4%, Lag= 1.8 min
 Discarded = 0.02 cfs @ 8.65 hrs, Volume= 1,421 cf
 Primary = 0.76 cfs @ 12.12 hrs, Volume= 1,505 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.91' @ 12.10 hrs Surf.Area= 382 sf Storage= 446 cf

Plug-Flow detention time= 53.1 min calculated for 2,920 cf (100% of inflow)

Center-of-Mass det. time= 52.8 min (802.5 - 749.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	462 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	382	0.0	0	0
210.00	382	40.0	2	2
212.99	382	40.0	457	458
213.00	382	100.0	4	462

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 8.65 hrs HW=210.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.71 cfs @ 12.12 hrs HW=212.91' TW=202.68' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Weir Controls 0.27 cfs @ 0.24 fps)↑ **2=Culvert** (Barrel Controls 0.44 cfs @ 5.03 fps)**Summary for Pond DE14: DRIP #14**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,713 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 8.95 hrs, Volume= 961 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 753 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.93' @ 12.16 hrs Surf.Area= 290 sf Storage= 295 cf

Plug-Flow detention time= 54.7 min calculated for 1,713 cf (100% of inflow)

Center-of-Mass det. time= 54.5 min (808.6 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.39'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.39	290	0.0	0	0
208.40	290	40.0	1	1
211.39	290	40.0	347	348
211.40	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	211.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.90' / 209.85' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.95 hrs HW=208.40' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.36 cfs @ 12.16 hrs HW=210.93' TW=202.86' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.09 fps)

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Summary for Pond DE15: DRIP #15

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,334 cf
 Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,333 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 9.75 hrs, Volume= 856 cf
 Primary = 0.28 cfs @ 12.15 hrs, Volume= 478 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.05' @ 12.15 hrs Surf.Area= 290 sf Storage= 262 cf

Plug-Flow detention time= 58.3 min calculated for 1,331 cf (100% of inflow)
 Center-of-Mass det. time= 58.1 min (816.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	290	0.0	0	0
207.80	290	40.0	1	1
210.79	290	40.0	347	348
210.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.30' / 209.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.75 hrs HW=207.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=210.05' TW=202.86' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.24 fps)

Summary for Pond DE16: DRIP #16

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,713 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 8.95 hrs, Volume= 961 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 753 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.83' @ 12.16 hrs Surf.Area= 290 sf Storage= 295 cf

Plug-Flow detention time= 54.7 min calculated for 1,713 cf (100% of inflow)

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Center-of-Mass det. time= 54.5 min (808.6 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.29	290	0.0	0	0
207.30	290	40.0	1	1
210.29	290	40.0	347	348
210.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	210.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.80' / 208.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.95 hrs HW=207.30' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.36 cfs @ 12.16 hrs HW=209.83' TW=202.86' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.36 cfs @ 4.09 fps)**Summary for Pond DE17: DRIP #17**

Inflow Area = 1,970 sf, 85.94% Impervious, Inflow Depth > 7.85" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,288 cf
 Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,288 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 10.35 hrs, Volume= 799 cf
 Primary = 0.29 cfs @ 12.15 hrs, Volume= 489 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.36' @ 12.15 hrs Surf.Area= 277 sf Storage= 252 cf

Plug-Flow detention time= 59.2 min calculated for 1,288 cf (100% of inflow)

Center-of-Mass det. time= 59.1 min (831.0 - 771.9)

Volume	Invert	Avail.Storage	Storage Description	
#1	203.09'	335 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
203.09	277	0.0	0	0
203.10	277	40.0	1	1
206.09	277	40.0	331	332
206.10	277	100.0	3	335

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Device	Routing	Invert	Outlet Devices
#1	Primary	206.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	204.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.60' / 204.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	203.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.35 hrs HW=203.12' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.29 cfs @ 12.15 hrs HW=205.36' TW=200.09' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.29 cfs @ 3.28 fps)**Summary for Pond DE18: DRIP #18**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 0.53 cfs @ 12.09 hrs, Volume= 1,819 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,819 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.30 hrs, Volume= 1,012 cf
 Primary = 0.38 cfs @ 12.16 hrs, Volume= 807 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.42' @ 12.16 hrs Surf.Area= 321 sf Storage= 337 cf

Plug-Flow detention time= 56.5 min calculated for 1,815 cf (100% of inflow)

Center-of-Mass det. time= 56.3 min (825.1 - 768.8)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.79'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.79	321	0.0	0	0
204.80	321	40.0	1	1
207.79	321	40.0	384	385
207.80	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	207.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.30' / 206.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	204.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 9.30 hrs HW=204.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.37 cfs @ 12.16 hrs HW=207.40' TW=200.10' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.37 cfs @ 4.29 fps)**Summary for Pond DE19: DRIP #19**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 7.97" for 100YR event

Inflow = 0.47 cfs @ 12.09 hrs, Volume= 1,615 cf

Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,615 cf, Atten= 22%, Lag= 4.1 min

Discarded = 0.02 cfs @ 9.80 hrs, Volume= 908 cf

Primary = 0.35 cfs @ 12.16 hrs, Volume= 707 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.10' @ 12.16 hrs Surf.Area= 290 sf Storage= 291 cf

Plug-Flow detention time= 56.5 min calculated for 1,612 cf (100% of inflow)

Center-of-Mass det. time= 56.2 min (825.0 - 768.8)

Volume	Invert	Avail.Storage	Storage Description
#1	205.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.59	290	0.0	0	0
205.60	290	40.0	1	1
208.59	290	40.0	347	348
208.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	208.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.10' / 207.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	205.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.80 hrs HW=205.62' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.16 hrs HW=208.09' TW=200.09' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 3.99 fps)

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Summary for Pond DE2: DRIP #2

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 8.09" for 100YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,295 cf
 Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,295 cf, Atten= 20%, Lag= 3.8 min
 Discarded = 0.02 cfs @ 9.95 hrs, Volume= 798 cf
 Primary = 0.28 cfs @ 12.15 hrs, Volume= 497 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 223.75' @ 12.15 hrs Surf.Area= 290 sf Storage= 228 cf

Plug-Flow detention time= 45.6 min calculated for 1,295 cf (100% of inflow)
 Center-of-Mass det. time= 45.5 min (810.9 - 765.4)

Volume	Invert	Avail.Storage	Storage Description	
#1	221.79'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
221.79	290	0.0	0	0
221.80	290	40.0	1	1
224.79	290	40.0	347	348
224.80	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	224.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	223.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.00' / 222.95' S= 0.0050 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	221.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.95 hrs HW=221.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=223.75' TW=218.02' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.25 fps)

Summary for Pond DE20: DRIP #20

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 7.85" for 100YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,256 cf
 Outflow = 0.22 cfs @ 12.21 hrs, Volume= 1,256 cf, Atten= 39%, Lag= 7.1 min
 Discarded = 0.06 cfs @ 11.65 hrs, Volume= 1,081 cf
 Primary = 0.17 cfs @ 12.21 hrs, Volume= 175 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

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Peak Elev= 208.23' @ 12.20 hrs Surf.Area= 290 sf Storage= 225 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 15.3 min (787.2 - 771.9)

Volume	Invert	Avail.Storage	Storage Description
#1	206.29'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.29	290	0.0	0	0
206.30	290	40.0	1	1
209.29	290	40.0	347	348
209.30	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	209.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.80' / 207.75' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.29'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 11.65 hrs HW=206.31' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.17 cfs @ 12.21 hrs HW=208.23' TW=200.12' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.17 cfs @ 1.95 fps)**Summary for Pond DE21: DRIP #21**

Inflow Area = 1,961 sf, 86.33% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,302 cf
 Outflow = 0.26 cfs @ 12.18 hrs, Volume= 1,302 cf, Atten= 32%, Lag= 5.6 min
 Discarded = 0.05 cfs @ 11.70 hrs, Volume= 1,081 cf
 Primary = 0.20 cfs @ 12.18 hrs, Volume= 221 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.73' @ 12.18 hrs Surf.Area= 268 sf Storage= 218 cf

Plug-Flow detention time= 14.9 min calculated for 1,299 cf (100% of inflow)

Center-of-Mass det. time= 14.8 min (783.6 - 768.8)

Volume	Invert	Avail.Storage	Storage Description
#1	206.69'	324 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.69	268	0.0	0	0
206.70	268	40.0	1	1
209.69	268	40.0	321	322
209.70	268	100.0	3	324

Device	Routing	Invert	Outlet Devices
#1	Primary	209.60'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.20'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.20' / 208.15' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.69'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 11.70 hrs HW=206.75' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.20 cfs @ 12.18 hrs HW=208.72' TW=200.11' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.20 cfs @ 2.30 fps)**Summary for Pond DE22: DRIP #22**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 3,320 sf, 91.42% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,372 cf
 Outflow = 0.49 cfs @ 12.16 hrs, Volume= 2,372 cf, Atten= 26%, Lag= 4.6 min
 Discarded = 0.05 cfs @ 11.35 hrs, Volume= 1,699 cf
 Primary = 0.43 cfs @ 12.16 hrs, Volume= 673 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.38' @ 12.16 hrs Surf.Area= 285 sf Storage= 330 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 14.2 min (763.8 - 749.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.49'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.49	285	0.0	0	0
207.50	285	40.0	1	1
210.49	285	40.0	341	342
210.50	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.49'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.05 cfs @ 11.35 hrs HW=207.53' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.43 cfs @ 12.16 hrs HW=210.36' TW=200.10' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.43 cfs @ 4.92 fps)**Summary for Pond DE23: DRIP #23**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf
 Outflow = 0.35 cfs @ 12.16 hrs, Volume= 1,644 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.05 cfs @ 11.65 hrs, Volume= 1,296 cf
 Primary = 0.30 cfs @ 12.16 hrs, Volume= 348 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.25' @ 12.16 hrs Surf.Area= 272 sf Storage= 246 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 14.0 min (768.0 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	272	0.0	0	0
208.00	272	40.0	1	1
210.99	272	40.0	325	326
211.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.50'	4.0" Round Culvert L= 10.0' Ke= 0.200 Inlet / Outlet Invert= 209.50' / 209.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.05 cfs @ 11.65 hrs HW=208.05' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.30 cfs @ 12.16 hrs HW=210.24' TW=200.10' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.30 cfs @ 3.38 fps)**Summary for Pond DE24: DRIP #24**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf
 Outflow = 0.34 cfs @ 12.20 hrs, Volume= 1,929 cf, Atten= 38%, Lag= 6.7 min
 Discarded = 0.06 cfs @ 11.65 hrs, Volume= 1,589 cf
 Primary = 0.27 cfs @ 12.20 hrs, Volume= 341 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.32' @ 12.20 hrs Surf.Area= 321 sf Storage= 351 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 20.0 min (774.1 - 754.1)

Volume	Invert	Avail.Storage	Storage Description
#1	208.59'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.59	321	0.0	0	0
208.60	321	40.0	1	1
211.59	321	40.0	384	385
211.60	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.60'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.60' / 210.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.59'	8.270 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.06 cfs @ 11.65 hrs HW=208.65' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.27 cfs @ 12.20 hrs HW=211.32' TW=202.06' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.27 cfs @ 3.14 fps)

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Summary for Pond DE25: DRIP #25

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf
 Outflow = 0.41 cfs @ 12.16 hrs, Volume= 1,929 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 8.90 hrs, Volume= 1,071 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 858 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.96' @ 12.16 hrs Surf.Area= 321 sf Storage= 343 cf

Plug-Flow detention time= 54.9 min calculated for 1,925 cf (100% of inflow)
 Center-of-Mass det. time= 54.7 min (808.7 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.29'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.29	321	0.0	0	0
209.30	321	40.0	1	1
212.29	321	40.0	384	385
212.30	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	212.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.80' / 210.75' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.90 hrs HW=209.30' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=211.94' TW=202.05' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.41 fps)

Summary for Pond DE26: DRIP #26

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,644 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.30 hrs, Volume= 909 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 734 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.50' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.3 min calculated for 1,640 cf (100% of inflow)

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Center-of-Mass det. time= 54.1 min (808.2 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.30 hrs HW=210.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.15 hrs HW=212.50' TW=202.05' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.35 cfs @ 4.02 fps)**Summary for Pond DE27: DRIP #27**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf
 Outflow = 0.38 cfs @ 12.15 hrs, Volume= 1,713 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.25 hrs, Volume= 845 cf
 Primary = 0.36 cfs @ 12.15 hrs, Volume= 869 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.14' @ 12.15 hrs Surf.Area= 290 sf Storage= 179 cf

Plug-Flow detention time= 18.8 min calculated for 1,710 cf (100% of inflow)

Center-of-Mass det. time= 18.6 min (772.7 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	235 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	290	0.0	0	0
211.60	290	40.0	1	1
213.59	290	40.0	231	232
213.60	290	100.0	3	235

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.25 hrs HW=211.61' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.36 cfs @ 12.15 hrs HW=213.13' TW=202.05' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)**Summary for Pond DE28: DRIP #28**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,714 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,713 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 961 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 753 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.03' @ 12.16 hrs Surf.Area= 290 sf Storage= 295 cf

Plug-Flow detention time= 54.7 min calculated for 1,713 cf (100% of inflow)

Center-of-Mass det. time= 54.5 min (808.6 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.49	290	0.0	0	0
211.50	290	40.0	1	1
214.49	290	40.0	347	348
214.50	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	214.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=211.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.36 cfs @ 12.16 hrs HW=214.03' TW=202.05' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.09 fps)**Summary for Pond DE29: DRIP #29**

Inflow Area = 2,335 sf, 88.31% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,645 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,644 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.30 hrs, Volume= 846 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 799 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.00' @ 12.15 hrs Surf.Area= 273 sf Storage= 209 cf

Plug-Flow detention time= 31.6 min calculated for 1,644 cf (100% of inflow)

Center-of-Mass det. time= 31.5 min (785.5 - 754.1)

Volume	Invert	Avail.Storage	Storage Description
#1	212.09'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)
212.09	273	0.0	0
212.10	273	40.0	1
215.09	273	40.0	327
215.10	273	100.0	3
Cum.Store (cubic-feet)			
0			
1			
328			
330			
Device	Routing	Invert	Outlet Devices
#1	Primary	215.00'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.00' / 212.95' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.09'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.30 hrs HW=212.12' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.15 hrs HW=214.00' TW=204.03' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.02 fps)

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Summary for Pond DE3: DRIP #3

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,620 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 8.95 hrs, Volume= 896 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 725 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 223.30' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.8 min calculated for 1,617 cf (100% of inflow)
 Center-of-Mass det. time= 54.5 min (812.6 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	220.79'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
220.79	272	0.0	0	0
220.80	272	40.0	1	1
223.79	272	40.0	325	326
223.80	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	223.70'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	222.30'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 222.30' / 222.25' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	220.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.95 hrs HW=220.80' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=223.29' TW=218.02' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE30: DRIP #30

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,931 cf
 Outflow = 0.41 cfs @ 12.16 hrs, Volume= 1,930 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.35 hrs, Volume= 1,015 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 915 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.41' @ 12.16 hrs Surf.Area= 322 sf Storage= 286 cf

Plug-Flow detention time= 37.5 min calculated for 1,926 cf (100% of inflow)

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Center-of-Mass det. time= 37.3 min (791.4 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	390 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	322	0.0	0	0
212.20	322	40.0	1	1
215.19	322	40.0	385	386
215.20	322	100.0	3	390

Device	Routing	Invert	Outlet Devices
#1	Primary	215.10'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.25'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.25' / 213.20' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.35 hrs HW=212.22' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.39 cfs @ 12.16 hrs HW=214.40' TW=204.03' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.39 cfs @ 4.41 fps)**Summary for Pond DE31: DRIP #31**

Inflow Area = 2,748 sf, 88.03% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,936 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,935 cf, Atten= 25%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 1,088 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 847 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.65' @ 12.16 hrs Surf.Area= 329 sf Storage= 350 cf

Plug-Flow detention time= 55.2 min calculated for 1,931 cf (100% of inflow)

Center-of-Mass det. time= 55.0 min (809.0 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	398 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	329	0.0	0	0
212.00	329	40.0	1	1
214.99	329	40.0	393	395
215.00	329	100.0	3	398

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Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=212.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=214.64' TW=204.03' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.39 fps)**Summary for Pond DE32: DRIP #32**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,644 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 8.90 hrs, Volume= 909 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 734 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.90' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.3 min calculated for 1,640 cf (100% of inflow)

Center-of-Mass det. time= 54.1 min (808.2 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.39'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.39	272	0.0	0	0
211.40	272	40.0	1	1
214.39	272	40.0	325	326
214.40	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.30'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.90'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.90' / 212.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.39'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 8.90 hrs HW=211.40' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.15 hrs HW=213.90' TW=210.09' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.02 fps)**Summary for Pond DE33: DRIP #33**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,334 cf
 Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,333 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 856 cf
 Primary = 0.28 cfs @ 12.15 hrs, Volume= 478 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.85' @ 12.15 hrs Surf.Area= 290 sf Storage= 262 cf

Plug-Flow detention time= 58.2 min calculated for 1,333 cf (100% of inflow)

Center-of-Mass det. time= 58.1 min (816.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.59'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.59	290	0.0	0	0
210.60	290	40.0	1	1
213.59	290	40.0	347	348
213.60	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	213.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=210.62' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.28 cfs @ 12.15 hrs HW=212.85' TW=210.09' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.24 fps)

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Summary for Pond DE34: DRIP #34

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.81 cfs @ 12.09 hrs, Volume= 2,886 cf
 Outflow = 0.77 cfs @ 12.12 hrs, Volume= 2,886 cf, Atten= 5%, Lag= 2.0 min
 Discarded = 0.02 cfs @ 8.35 hrs, Volume= 1,399 cf
 Primary = 0.74 cfs @ 12.12 hrs, Volume= 1,487 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.24' @ 12.12 hrs Surf.Area= 383 sf Storage= 451 cf

Plug-Flow detention time= 53.4 min calculated for 2,880 cf (100% of inflow)
 Center-of-Mass det. time= 53.2 min (807.3 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.29'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.29	383	0.0	0	0
210.30	383	40.0	2	2
213.29	383	40.0	458	460
213.30	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	213.20'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.80'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.80' / 211.75' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.29'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.35 hrs HW=210.30' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.70 cfs @ 12.12 hrs HW=213.21' TW=204.03' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Weir Controls 0.26 cfs @ 0.23 fps)

↑ **2=Culvert** (Barrel Controls 0.44 cfs @ 5.03 fps)

Summary for Pond DE35: DRIP #35

Inflow Area = 4,098 sf, 90.65% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.81 cfs @ 12.09 hrs, Volume= 2,886 cf
 Outflow = 0.77 cfs @ 12.12 hrs, Volume= 2,886 cf, Atten= 5%, Lag= 2.0 min
 Discarded = 0.02 cfs @ 8.75 hrs, Volume= 1,399 cf
 Primary = 0.74 cfs @ 12.12 hrs, Volume= 1,487 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.94' @ 12.12 hrs Surf.Area= 383 sf Storage= 451 cf

Plug-Flow detention time= 53.3 min calculated for 2,886 cf (100% of inflow)

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Center-of-Mass det. time= 53.2 min (807.3 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	463 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	383	0.0	0	0
209.00	383	40.0	2	2
211.99	383	40.0	458	460
212.00	383	100.0	4	463

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.75 hrs HW=209.02' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.70 cfs @ 12.12 hrs HW=211.91' TW=204.03' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 0.26 cfs @ 0.23 fps)↳ **2=Culvert** (Barrel Controls 0.44 cfs @ 5.03 fps)**Summary for Pond DE36: DRIP #36**

Inflow Area =	3,320 sf, 91.42% Impervious, Inflow Depth > 8.57" for 100YR event
Inflow =	0.66 cfs @ 12.09 hrs, Volume= 2,372 cf
Outflow =	0.49 cfs @ 12.16 hrs, Volume= 2,372 cf, Atten= 26%, Lag= 4.6 min
Discarded =	0.02 cfs @ 8.45 hrs, Volume= 1,038 cf
Primary =	0.47 cfs @ 12.16 hrs, Volume= 1,334 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.58' @ 12.16 hrs Surf.Area= 285 sf Storage= 295 cf

Plug-Flow detention time= 34.1 min calculated for 2,372 cf (100% of inflow)

Center-of-Mass det. time= 33.9 min (783.6 - 749.6)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	345 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	285	0.0	0	0
207.00	285	40.0	1	1
209.99	285	40.0	341	342
210.00	285	100.0	3	345

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Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.00' / 207.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.45 hrs HW=207.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.47 cfs @ 12.16 hrs HW=209.55' TW=201.77' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.47 cfs @ 5.35 fps)**Summary for Pond DE37: DRIP #37**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,340 cf
 Outflow = 0.48 cfs @ 12.16 hrs, Volume= 2,339 cf, Atten= 26%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 8.55 hrs, Volume= 1,023 cf
 Primary = 0.47 cfs @ 12.16 hrs, Volume= 1,316 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.56' @ 12.16 hrs Surf.Area= 287 sf Storage= 295 cf

Plug-Flow detention time= 34.3 min calculated for 2,339 cf (100% of inflow)

Center-of-Mass det. time= 34.2 min (788.2 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	347 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	287	0.0	0	0
208.00	287	40.0	1	1
210.99	287	40.0	343	344
211.00	287	100.0	3	347

Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	209.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 209.00' / 208.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 8.55 hrs HW=208.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.46 cfs @ 12.16 hrs HW=210.54' TW=201.77' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.46 cfs @ 5.32 fps)**Summary for Pond DE38: DRIP #39**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 8.33" for 100YR event

Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf

Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,902 cf, Atten= 25%, Lag= 4.5 min

Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,055 cf

Primary = 0.39 cfs @ 12.16 hrs, Volume= 847 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.65' @ 12.16 hrs Surf.Area= 321 sf Storage= 342 cf

Plug-Flow detention time= 55.3 min calculated for 1,898 cf (100% of inflow)

Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	208.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
208.99	321	0.0	0	0
209.00	321	40.0	1	1
211.99	321	40.0	384	385
212.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	211.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	210.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.50' / 210.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	208.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=209.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=211.64' TW=201.75' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.39 fps)

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Summary for Pond DE39: DRIP #39

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,620 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 896 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 725 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.50' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.8 min calculated for 1,617 cf (100% of inflow)
 Center-of-Mass det. time= 54.5 min (812.6 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	209.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
209.99	272	0.0	0	0
210.00	272	40.0	1	1
212.99	272	40.0	325	326
213.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	212.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	211.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.50' / 211.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	209.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=210.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=212.49' TW=201.68' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE4: DRIP #4

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,902 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,055 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 847 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 221.65' @ 12.16 hrs Surf.Area= 321 sf Storage= 342 cf

Plug-Flow detention time= 55.3 min calculated for 1,898 cf (100% of inflow)

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Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.99	321	0.0	0	0
219.00	321	40.0	1	1
221.99	321	40.0	384	385
222.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	221.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.50' / 220.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=219.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=221.64' TW=218.02' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.38 cfs @ 4.39 fps)**Summary for Pond DE40: DRIP #40**

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,901 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,055 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 847 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.65' @ 12.16 hrs Surf.Area= 321 sf Storage= 342 cf

Plug-Flow detention time= 55.3 min calculated for 1,897 cf (100% of inflow)

Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.99	321	0.0	0	0
211.00	321	40.0	1	1
213.99	321	40.0	384	385
214.00	321	100.0	3	388

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.50' / 212.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=211.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=213.64' TW=201.75' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)**Summary for Pond DE41: DRIP #41**

Inflow Area = 2,740 sf, 88.28% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,902 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,055 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 847 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.65' @ 12.16 hrs Surf.Area= 321 sf Storage= 342 cf

Plug-Flow detention time= 55.3 min calculated for 1,898 cf (100% of inflow)

Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.99	321	0.0	0	0
212.00	321	40.0	1	1
214.99	321	40.0	384	385
215.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.50' / 213.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=212.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=214.64' TW=201.75' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.39 fps)**Summary for Pond DE42: DRIP #42**

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 8.33" for 100YR event

Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,689 cf

Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,689 cf, Atten= 22%, Lag= 4.1 min

Discarded = 0.02 cfs @ 9.50 hrs, Volume= 946 cf

Primary = 0.36 cfs @ 12.16 hrs, Volume= 743 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.53' @ 12.16 hrs Surf.Area= 290 sf Storage= 294 cf

Plug-Flow detention time= 55.2 min calculated for 1,685 cf (100% of inflow)

Center-of-Mass det. time= 54.9 min (813.1 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.99	290	0.0	0	0
213.00	290	40.0	1	1
215.99	290	40.0	347	348
216.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.50 hrs HW=213.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.36 cfs @ 12.16 hrs HW=215.52' TW=201.71' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.07 fps)

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Summary for Pond DE43: DRIP #43

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,620 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 896 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 725 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 216.50' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.8 min calculated for 1,617 cf (100% of inflow)
 Center-of-Mass det. time= 54.5 min (812.6 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	213.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
213.99	272	0.0	0	0
214.00	272	40.0	1	1
216.99	272	40.0	325	326
217.00	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	216.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	215.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.50' / 215.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	213.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=214.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=216.49' TW=201.68' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE44: DRIP #44

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,902 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,901 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,055 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 847 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 218.65' @ 12.16 hrs Surf.Area= 321 sf Storage= 342 cf

Plug-Flow detention time= 55.3 min calculated for 1,897 cf (100% of inflow)

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Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	215.99'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
215.99	321	0.0	0	0
216.00	321	40.0	1	1
218.99	321	40.0	384	385
219.00	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	218.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	217.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.50' / 217.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	215.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=216.02' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=218.64' TW=201.75' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)**Summary for Pond DE45: DRIP #45**

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,620 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 896 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 725 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 219.50' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.8 min calculated for 1,617 cf (100% of inflow)

Center-of-Mass det. time= 54.5 min (812.6 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	272	0.0	0	0
217.00	272	40.0	1	1
219.99	272	40.0	325	326
220.00	272	100.0	3	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.50' / 218.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=217.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.15 hrs HW=219.49' TW=201.68' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)**Summary for Pond DE47: DRIP #47**

Inflow Area = 3,322 sf, 91.36% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,340 cf
 Outflow = 0.48 cfs @ 12.16 hrs, Volume= 2,339 cf, Atten= 26%, Lag= 4.7 min
 Discarded = 0.02 cfs @ 8.60 hrs, Volume= 1,029 cf
 Primary = 0.47 cfs @ 12.16 hrs, Volume= 1,310 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 219.56' @ 12.16 hrs Surf.Area= 290 sf Storage= 298 cf

Plug-Flow detention time= 34.4 min calculated for 2,339 cf (100% of inflow)

Center-of-Mass det. time= 34.2 min (788.3 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	216.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
216.99	290	0.0	0	0
217.00	290	40.0	1	1
219.99	290	40.0	347	348
220.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	219.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	218.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 218.00' / 217.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	216.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.02 cfs @ 8.60 hrs HW=217.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.46 cfs @ 12.16 hrs HW=219.53' TW=216.01' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.46 cfs @ 5.31 fps)**Summary for Pond DE48: DRIP #48**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 8.09" for 100YR event

Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,295 cf

Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,295 cf, Atten= 21%, Lag= 4.1 min

Discarded = 0.02 cfs @ 10.35 hrs, Volume= 833 cf

Primary = 0.28 cfs @ 12.15 hrs, Volume= 462 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.24' @ 12.15 hrs Surf.Area= 290 sf Storage= 261 cf

Plug-Flow detention time= 59.4 min calculated for 1,292 cf (100% of inflow)

Center-of-Mass det. time= 59.2 min (824.6 - 765.4)

Volume	Invert	Avail.Storage	Storage Description
#1	214.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
214.99	290	0.0	0	0
215.00	290	40.0	1	1
217.99	290	40.0	347	348
218.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	217.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	216.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.50' / 216.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	214.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.35 hrs HW=215.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.28 cfs @ 12.15 hrs HW=217.23' TW=210.09' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.18 fps)

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Summary for Pond DE49: DRIP #49

Inflow Area = 2,433 sf, 88.08% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,689 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,689 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.50 hrs, Volume= 946 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 743 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 215.53' @ 12.16 hrs Surf.Area= 290 sf Storage= 294 cf

Plug-Flow detention time= 55.2 min calculated for 1,685 cf (100% of inflow)
 Center-of-Mass det. time= 54.9 min (813.1 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.99'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.99	290	0.0	0	0
213.00	290	40.0	1	1
215.99	290	40.0	347	348
216.00	290	100.0	3	351

Device	Routing	Invert	Outlet Devices
#1	Primary	215.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	214.50'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 214.50' / 214.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	212.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.50 hrs HW=213.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=215.52' TW=210.09' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.07 fps)

Summary for Pond DE5: DRIP #5

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.36 cfs @ 12.15 hrs, Volume= 1,620 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 896 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 725 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 221.10' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.8 min calculated for 1,617 cf (100% of inflow)

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Center-of-Mass det. time= 54.5 min (812.6 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	218.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
218.59	272	0.0	0	0
218.60	272	40.0	1	1
221.59	272	40.0	325	326
221.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	221.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	220.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 220.10' / 220.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	218.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=218.62' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.15 hrs HW=221.09' TW=218.02' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)**Summary for Pond DE6: DRIP #6**

Inflow Area = 2,443 sf, 87.72% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 23%, Lag= 4.2 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 982 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 739 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.03' @ 12.16 hrs Surf.Area= 300 sf Storage= 304 cf

Plug-Flow detention time= 55.1 min calculated for 1,720 cf (100% of inflow)

Center-of-Mass det. time= 55.0 min (809.0 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	363 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	300	0.0	0	0
210.50	300	40.0	1	1
213.49	300	40.0	359	360
213.50	300	100.0	3	363

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=210.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.16 hrs HW=213.02' TW=211.51' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.06 fps)**Summary for Pond DE61: DRIP #61**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 1.15 cfs @ 12.09 hrs, Volume= 4,063 cf
 Outflow = 0.91 cfs @ 12.15 hrs, Volume= 4,062 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.04 cfs @ 9.30 hrs, Volume= 1,985 cf
 Primary = 0.87 cfs @ 12.15 hrs, Volume= 2,077 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.85' @ 12.15 hrs Surf.Area= 688 sf Storage= 457 cf

Plug-Flow detention time= 19.9 min calculated for 4,062 cf (100% of inflow)

Center-of-Mass det. time= 19.8 min (777.9 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	688	0.0	0	0
212.20	688	40.0	3	3
214.19	688	40.0	548	550
214.20	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.04 cfs @ 9.30 hrs HW=212.21' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.87 cfs @ 12.15 hrs HW=213.84' TW=204.44' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.87 cfs @ 4.42 fps)**Summary for Pond DE62: DRIP #62**

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 1.15 cfs @ 12.09 hrs, Volume= 4,063 cf
 Outflow = 0.91 cfs @ 12.15 hrs, Volume= 4,062 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.04 cfs @ 9.00 hrs, Volume= 1,985 cf
 Primary = 0.87 cfs @ 12.15 hrs, Volume= 2,077 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.85' @ 12.15 hrs Surf.Area= 688 sf Storage= 457 cf

Plug-Flow detention time= 19.9 min calculated for 4,062 cf (100% of inflow)

Center-of-Mass det. time= 19.8 min (777.9 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	212.19'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
212.19	688	0.0	0	0
212.20	688	40.0	3	3
214.19	688	40.0	548	550
214.20	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	214.10'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.70'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.70' / 212.65' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	212.19'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 9.00 hrs HW=212.20' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.87 cfs @ 12.15 hrs HW=213.84' TW=206.02' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.87 cfs @ 4.42 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 3,423 sf, 88.11% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.68 cfs @ 12.09 hrs, Volume= 2,411 cf
 Outflow = 0.60 cfs @ 12.13 hrs, Volume= 2,411 cf, Atten= 12%, Lag= 2.8 min
 Discarded = 0.02 cfs @ 9.25 hrs, Volume= 1,187 cf
 Primary = 0.57 cfs @ 12.13 hrs, Volume= 1,224 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.26' @ 12.13 hrs Surf.Area= 407 sf Storage= 206 cf

Plug-Flow detention time= 18.4 min calculated for 2,411 cf (100% of inflow)
 Center-of-Mass det. time= 18.3 min (772.4 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	330 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	407	0.0	0	0
207.00	407	40.0	2	2
208.99	407	40.0	324	326
209.00	407	100.0	4	330

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.25 hrs HW=207.01' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.56 cfs @ 12.13 hrs HW=208.24' TW=202.17' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.56 cfs @ 2.87 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.84 cfs @ 12.09 hrs, Volume= 3,000 cf
 Outflow = 0.73 cfs @ 12.14 hrs, Volume= 2,999 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 9.20 hrs, Volume= 1,483 cf
 Primary = 0.70 cfs @ 12.14 hrs, Volume= 1,517 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.71' @ 12.14 hrs Surf.Area= 474 sf Storage= 326 cf

Plug-Flow detention time= 28.3 min calculated for 2,999 cf (100% of inflow)

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Center-of-Mass det. time= 28.1 min (782.2 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	204.99'	574 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
204.99	474	0.0	0	0
205.00	474	40.0	2	2
207.99	474	40.0	567	569
208.00	474	100.0	5	574

Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	205.80'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.80' / 205.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	204.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 9.20 hrs HW=205.02' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.69 cfs @ 12.14 hrs HW=206.69' TW=202.17' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.69 cfs @ 3.53 fps)**Summary for Pond DE65: DRIP #65**

Inflow Area = 3,423 sf, 88.14% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.68 cfs @ 12.09 hrs, Volume= 2,411 cf
 Outflow = 0.60 cfs @ 12.13 hrs, Volume= 2,411 cf, Atten= 12%, Lag= 2.8 min
 Discarded = 0.02 cfs @ 9.25 hrs, Volume= 1,185 cf
 Primary = 0.57 cfs @ 12.13 hrs, Volume= 1,225 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.26' @ 12.13 hrs Surf.Area= 406 sf Storage= 206 cf

Plug-Flow detention time= 18.5 min calculated for 2,406 cf (100% of inflow)

Center-of-Mass det. time= 18.3 min (772.4 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.99'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.99	406	0.0	0	0
206.00	406	40.0	2	2
207.99	406	40.0	323	325
208.00	406	100.0	4	329

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Device	Routing	Invert	Outlet Devices
#1	Primary	207.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.50' / 206.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.25 hrs HW=206.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.56 cfs @ 12.13 hrs HW=207.24' TW=202.17' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.56 cfs @ 2.87 fps)**Summary for Pond DE66: DRIP #66**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.84 cfs @ 12.09 hrs, Volume= 2,987 cf
 Outflow = 0.73 cfs @ 12.13 hrs, Volume= 2,986 cf, Atten= 13%, Lag= 2.8 min
 Discarded = 0.03 cfs @ 8.65 hrs, Volume= 1,392 cf
 Primary = 0.71 cfs @ 12.13 hrs, Volume= 1,594 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.21' @ 12.13 hrs Surf.Area= 455 sf Storage= 258 cf

Plug-Flow detention time= 18.6 min calculated for 2,986 cf (100% of inflow)

Center-of-Mass det. time= 18.5 min (772.6 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.79'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.79	455	0.0	0	0
207.80	455	40.0	2	2
209.79	455	40.0	362	364
209.80	455	100.0	5	369

Device	Routing	Invert	Outlet Devices
#1	Primary	209.70'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.30'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.30' / 208.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.79'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 8.65 hrs HW=207.80' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.69 cfs @ 12.13 hrs HW=209.19' TW=202.17' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.69 cfs @ 3.54 fps)**Summary for Pond DE67: DRIP #67**

Inflow Area = 4,240 sf, 89.27% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.84 cfs @ 12.09 hrs, Volume= 2,987 cf
 Outflow = 0.73 cfs @ 12.13 hrs, Volume= 2,986 cf, Atten= 13%, Lag= 2.8 min
 Discarded = 0.03 cfs @ 8.95 hrs, Volume= 1,392 cf
 Primary = 0.71 cfs @ 12.13 hrs, Volume= 1,594 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.41' @ 12.13 hrs Surf.Area= 455 sf Storage= 258 cf

Plug-Flow detention time= 18.6 min calculated for 2,986 cf (100% of inflow)

Center-of-Mass det. time= 18.5 min (772.6 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	369 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	455	0.0	0	0
208.00	455	40.0	2	2
209.99	455	40.0	362	364
210.00	455	100.0	5	369

Device	Routing	Invert	Outlet Devices
#1	Primary	209.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 208.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 8.95 hrs HW=208.01' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.69 cfs @ 12.13 hrs HW=209.39' TW=202.17' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.69 cfs @ 3.54 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 5,852 sf, 88.24% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 1.16 cfs @ 12.09 hrs, Volume= 4,122 cf
 Outflow = 0.91 cfs @ 12.15 hrs, Volume= 4,121 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.04 cfs @ 9.20 hrs, Volume= 2,020 cf
 Primary = 0.88 cfs @ 12.15 hrs, Volume= 2,101 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.66' @ 12.15 hrs Surf.Area= 688 sf Storage= 459 cf

Plug-Flow detention time= 19.9 min calculated for 4,113 cf (100% of inflow)
 Center-of-Mass det. time= 19.7 min (773.8 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.99'	557 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.99	688	0.0	0	0
207.00	688	40.0	3	3
208.99	688	40.0	548	550
209.00	688	100.0	7	557

Device	Routing	Invert	Outlet Devices
#1	Primary	208.90'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.50'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.50' / 207.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 9.20 hrs HW=207.01' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)

Primary OutFlow Max=0.87 cfs @ 12.15 hrs HW=208.65' TW=205.87' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.87 cfs @ 4.44 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.84 cfs @ 12.09 hrs, Volume= 3,000 cf
 Outflow = 0.73 cfs @ 12.14 hrs, Volume= 2,999 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 9.05 hrs, Volume= 1,426 cf
 Primary = 0.70 cfs @ 12.14 hrs, Volume= 1,573 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.91' @ 12.14 hrs Surf.Area= 474 sf Storage= 269 cf

Plug-Flow detention time= 18.8 min calculated for 2,993 cf (100% of inflow)

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Center-of-Mass det. time= 18.6 min (772.7 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.49'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.49	474	0.0	0	0
205.50	474	40.0	2	2
207.49	474	40.0	377	379
207.50	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.00' / 205.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.03 cfs @ 9.05 hrs HW=205.51' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.69 cfs @ 12.14 hrs HW=206.89' TW=202.77' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.69 cfs @ 3.53 fps)**Summary for Pond DE7: DRIP #7**

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,334 cf
 Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,333 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 856 cf
 Primary = 0.28 cfs @ 12.15 hrs, Volume= 478 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.75' @ 12.15 hrs Surf.Area= 290 sf Storage= 262 cf

Plug-Flow detention time= 58.2 min calculated for 1,333 cf (100% of inflow)

Center-of-Mass det. time= 58.1 min (816.2 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	210.49'	351 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
210.49	290	0.0	0	0
210.50	290	40.0	1	1
213.49	290	40.0	347	348
213.50	290	100.0	3	351

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Device	Routing	Invert	Outlet Devices
#1	Primary	213.40'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	212.00'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.00' / 211.95' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	210.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=210.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.28 cfs @ 12.15 hrs HW=212.75' TW=211.53' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.24 fps)**Summary for Pond DE70: DRIP #70**

Inflow Area = 4,259 sf, 88.87% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.84 cfs @ 12.09 hrs, Volume= 3,000 cf
 Outflow = 0.73 cfs @ 12.14 hrs, Volume= 2,999 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 8.75 hrs, Volume= 1,426 cf
 Primary = 0.70 cfs @ 12.14 hrs, Volume= 1,573 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.31' @ 12.14 hrs Surf.Area= 474 sf Storage= 269 cf

Plug-Flow detention time= 18.8 min calculated for 2,999 cf (100% of inflow)

Center-of-Mass det. time= 18.6 min (772.7 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	205.89'	384 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
205.89	474	0.0	0	0
205.90	474	40.0	2	2
207.89	474	40.0	377	379
207.90	474	100.0	5	384

Device	Routing	Invert	Outlet Devices
#1	Primary	207.80'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	206.40'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.40' / 206.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	205.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.03 cfs @ 8.75 hrs HW=205.90' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.69 cfs @ 12.14 hrs HW=207.29' TW=202.77' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.69 cfs @ 3.53 fps)**Summary for Pond DE71: DRIP #71**

Inflow Area = 5,851 sf, 88.26% Impervious, Inflow Depth > 8.45" for 100YR event

Inflow = 1.16 cfs @ 12.09 hrs, Volume= 4,121 cf

Outflow = 0.91 cfs @ 12.15 hrs, Volume= 4,120 cf, Atten= 21%, Lag= 4.0 min

Discarded = 0.04 cfs @ 9.35 hrs, Volume= 2,018 cf

Primary = 0.88 cfs @ 12.15 hrs, Volume= 2,102 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.16' @ 12.15 hrs Surf.Area= 687 sf Storage= 458 cf

Plug-Flow detention time= 19.8 min calculated for 4,120 cf (100% of inflow)

Center-of-Mass det. time= 19.7 min (773.8 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	206.49'	831 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
206.49	687	0.0	0	0
206.50	687	40.0	3	3
209.49	687	40.0	822	824
209.50	687	100.0	7	831

Device	Routing	Invert	Outlet Devices
#1	Primary	209.40'	180.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	207.00'	6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.00' / 206.95' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf
#3	Discarded	206.49'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 9.35 hrs HW=206.52' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.87 cfs @ 12.15 hrs HW=208.15' TW=202.86' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Barrel Controls 0.87 cfs @ 4.44 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,334 sf, 88.35% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,644 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,644 cf, Atten= 21%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.30 hrs, Volume= 909 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 734 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.10' @ 12.15 hrs Surf.Area= 272 sf Storage= 273 cf

Plug-Flow detention time= 54.3 min calculated for 1,640 cf (100% of inflow)
 Center-of-Mass det. time= 54.1 min (808.2 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.59'	329 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.59	272	0.0	0	0
211.60	272	40.0	1	1
214.59	272	40.0	325	326
214.60	272	100.0	3	329

Device	Routing	Invert	Outlet Devices
#1	Primary	214.50'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.10'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.10' / 213.05' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.59'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.30 hrs HW=211.62' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=214.10' TW=211.53' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.02 fps)

Summary for Pond DE9: DRIP #9

Inflow Area = 2,739 sf, 88.28% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,929 cf
 Outflow = 0.41 cfs @ 12.16 hrs, Volume= 1,929 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 8.90 hrs, Volume= 1,071 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 858 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.56' @ 12.16 hrs Surf.Area= 321 sf Storage= 343 cf

Plug-Flow detention time= 54.9 min calculated for 1,925 cf (100% of inflow)

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Center-of-Mass det. time= 54.7 min (808.7 - 754.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	211.89'	388 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
211.89	321	0.0	0	0
211.90	321	40.0	1	1
214.89	321	40.0	384	385
214.90	321	100.0	3	388

Device	Routing	Invert	Outlet Devices
#1	Primary	214.80'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	213.40'	4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.40' / 213.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	211.89'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 8.90 hrs HW=211.90' (Free Discharge)←**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.16 hrs HW=214.54' TW=211.54' (Dynamic Tailwater)←**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)←**2=Culvert** (Barrel Controls 0.38 cfs @ 4.41 fps)**Summary for Pond DECH: DRIP #CH**

Inflow Area = 5,319 sf, 84.40% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 1.05 cfs @ 12.09 hrs, Volume= 3,693 cf
 Outflow = 0.47 cfs @ 12.33 hrs, Volume= 3,692 cf, Atten= 55%, Lag= 14.9 min
 Discarded = 0.04 cfs @ 9.50 hrs, Volume= 1,819 cf
 Primary = 0.43 cfs @ 12.33 hrs, Volume= 1,873 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.77' @ 12.27 hrs Surf.Area= 636 sf Storage= 707 cf

Plug-Flow detention time= 23.3 min calculated for 3,685 cf (100% of inflow)

Center-of-Mass det. time= 23.2 min (781.3 - 758.1)

Volume	Invert	Avail.Storage	Storage Description	
#1	207.99'	770 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
207.99	636	0.0	0	0
208.00	636	40.0	3	3
210.99	636	40.0	761	763
211.00	636	100.0	6	770

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Device	Routing	Invert	Outlet Devices
#1	Primary	210.90'	160.0' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Primary	208.50'	4.0" Round Culvert L= 80.0' Ke= 0.500 Inlet / Outlet Invert= 208.50' / 205.10' S= 0.0425 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
#3	Discarded	207.99'	2.410 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.04 cfs @ 9.50 hrs HW=208.02' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.43 cfs @ 12.33 hrs HW=210.72' TW=205.98' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑ **2=Culvert** (Outlet Controls 0.43 cfs @ 4.97 fps)**Summary for Pond P204: STORMTECH INFILTRATION SYSTEM**

Inflow Area = 38,743 sf, 58.76% Impervious, Inflow Depth > 6.88" for 100YR event
 Inflow = 6.57 cfs @ 12.09 hrs, Volume= 22,205 cf
 Outflow = 3.21 cfs @ 12.28 hrs, Volume= 15,851 cf, Atten= 51%, Lag= 11.5 min
 Discarded = 0.06 cfs @ 7.60 hrs, Volume= 4,560 cf
 Primary = 3.15 cfs @ 12.28 hrs, Volume= 11,290 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.19' @ 12.28 hrs Surf.Area= 3,960 sf Storage= 8,826 cf

Plug-Flow detention time= 142.2 min calculated for 15,851 cf (71% of inflow)

Center-of-Mass det. time= 54.3 min (818.2 - 764.0)

Volume	Invert	Avail.Storage	Storage Description
#1A	202.50'	5,144 cf	58.50'W x 67.70'L x 4.50'H STORMTECH SC-740 17,821 cf Overall - 4,962 cf Embedded = 12,860 cf x 40.0% Voids
#2A	203.50'	4,962 cf	ADS_StormTech SC-740 +Cap x 108 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 108 Chambers in 12 Rows
		10,105 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	203.00'	12.0" Round Culvert L= 40.0' Ke= 0.200 Inlet / Outlet Invert= 203.00' / 202.00' S= 0.0250 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	205.00'	12.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Discarded	202.50'	0.660 in/hr Exfiltration over Surface area Phase-In= 0.01'

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Discarded OutFlow Max=0.06 cfs @ 7.60 hrs HW=202.55' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=3.14 cfs @ 12.28 hrs HW=206.19' TW=200.06' (Dynamic Tailwater)↑ **1=Culvert** (Passes 3.14 cfs of 7.18 cfs potential flow)↑ **2=Orifice/Grate** (Orifice Controls 3.14 cfs @ 3.99 fps)**Summary for Pond P205: EXTENDED DETENTION WETLAND #2**

Inflow Area = 303,487 sf, 36.04% Impervious, Inflow Depth > 5.74" for 100YR event

Inflow = 32.10 cfs @ 12.16 hrs, Volume= 145,064 cf

Outflow = 27.79 cfs @ 12.32 hrs, Volume= 103,841 cf, Atten= 13%, Lag= 9.4 min

Primary = 27.79 cfs @ 12.32 hrs, Volume= 103,841 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Starting Elev= 197.00' Surf.Area= 5,209 sf Storage= 7,089 cf

Peak Elev= 202.30' @ 12.32 hrs Surf.Area= 13,947 sf Storage= 58,281 cf (51,192 cf above start)

Plug-Flow detention time= 184.9 min calculated for 96,753 cf (67% of inflow)

Center-of-Mass det. time= 78.3 min (886.8 - 808.5)

Volume	Invert	Avail.Storage	Storage Description
#1	195.00'	76,784 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
195.00	2,516	0	0
196.00	3,226	2,871	2,871
198.00	7,192	10,418	13,289
200.00	10,155	17,347	30,636
202.00	13,435	23,590	54,226
203.00	15,165	14,300	68,526
203.50	17,867	8,258	76,784

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	18.0" Round Culvert L= 63.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.00' S= 0.0317 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#3	Device 2	198.00'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	201.80'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=27.18 cfs @ 12.32 hrs HW=202.29' TW=192.68' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Weir Controls 8.39 cfs @ 1.45 fps)↑ **2=Culvert** (Passes 18.79 cfs of 20.03 cfs potential flow)↑ **3=Orifice/Grate** (Orifice Controls 0.85 cfs @ 9.78 fps)↑ **4=Orifice/Grate** (Weir Controls 17.94 cfs @ 2.29 fps)

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Summary for Pond P206: STORMTECH INFILTRATION SYSTEM

Inflow Area = 70,753 sf, 81.42% Impervious, Inflow Depth > 8.39" for 100YR event
 Inflow = 13.87 cfs @ 12.09 hrs, Volume= 49,453 cf
 Outflow = 11.60 cfs @ 12.14 hrs, Volume= 46,519 cf, Atten= 16%, Lag= 2.9 min
 Discarded = 0.17 cfs @ 6.65 hrs, Volume= 12,722 cf
 Primary = 11.43 cfs @ 12.14 hrs, Volume= 33,797 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.48' @ 12.14 hrs Surf.Area= 5,239 sf Storage= 6,965 cf

Plug-Flow detention time= 57.8 min calculated for 46,519 cf (94% of inflow)

Center-of-Mass det. time= 24.4 min (777.6 - 753.2)

Volume	Invert	Avail.Storage	Storage Description
#1A	194.60'	1,786 cf	39.50'W x 53.46'L x 3.33'H FIELD A 7,038 cf Overall - 2,573 cf Embedded = 4,466 cf x 40.0% Voids
#2A	194.93'	2,573 cf	ADS_StormTech SC-740 +Cap x 56 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 56 Chambers in 8 Rows
#3B	194.60'	2,626 cf	58.50'W x 53.46'L x 3.33'H FIELD B 10,424 cf Overall - 3,859 cf Embedded = 6,565 cf x 40.0% Voids
#4B	194.93'	3,859 cf	ADS_StormTech SC-740 +Cap x 84 Inside #3 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 84 Chambers in 12 Rows
		10,844 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	194.00'	18.0" Round Culvert L= 30.0' Ke= 0.200 Inlet / Outlet Invert= 194.00' / 193.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf
#2	Device 1	195.50'	4.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)
#3	Discarded	194.60'	1.400 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.17 cfs @ 6.65 hrs HW=194.63' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 0.17 cfs)**Primary OutFlow** Max=11.32 cfs @ 12.14 hrs HW=196.46' TW=0.00' (Dynamic Tailwater)↑ **1=Culvert** (Barrel Controls 11.32 cfs @ 6.41 fps)↑ **2=Sharp-Crested Rectangular Weir** (Passes 11.32 cfs of 11.79 cfs potential flow)

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Summary for Pond P207: INFILTRATION POND #2

Inflow Area = 158,781 sf, 56.16% Impervious, Inflow Depth > 7.18" for 100YR event
 Inflow = 27.70 cfs @ 12.09 hrs, Volume= 95,051 cf
 Outflow = 9.06 cfs @ 12.41 hrs, Volume= 89,236 cf, Atten= 67%, Lag= 19.0 min
 Discarded = 0.94 cfs @ 12.41 hrs, Volume= 36,989 cf
 Primary = 8.11 cfs @ 12.41 hrs, Volume= 52,247 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 198.97' @ 12.41 hrs Surf.Area= 11,047 sf Storage= 35,841 cf

Plug-Flow detention time= 108.4 min calculated for 89,236 cf (94% of inflow)
 Center-of-Mass det. time= 74.9 min (850.8 - 775.9)

Volume	Invert	Avail.Storage	Storage Description
#1	194.00'	47,983 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
194.00	2,100	0	0
196.00	7,000	9,100	9,100
198.00	9,700	16,700	25,800
200.00	12,483	22,183	47,983

Device	Routing	Invert	Outlet Devices
#1	Primary	198.85'	20.0' long x 21.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	196.00'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 196.00' / 194.50' S= 0.0375 ' S= 0.0375 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	194.00'	3.690 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=0.94 cfs @ 12.41 hrs HW=198.97' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.94 cfs)

Primary OutFlow Max=8.08 cfs @ 12.41 hrs HW=198.97' TW=0.00' (Dynamic Tailwater)

↑ **1=Broad-Crested Rectangular Weir** (Weir Controls 2.14 cfs @ 0.92 fps)

↑ **2=Culvert** (Inlet Controls 5.94 cfs @ 7.56 fps)

Summary for Pond P210: EXTENDED DETENTION WETLAND #1

Inflow Area = 111,271 sf, 52.39% Impervious, Inflow Depth > 7.00" for 100YR event
 Inflow = 19.47 cfs @ 12.09 hrs, Volume= 64,867 cf
 Outflow = 5.05 cfs @ 12.47 hrs, Volume= 57,193 cf, Atten= 74%, Lag= 22.7 min
 Primary = 5.05 cfs @ 12.47 hrs, Volume= 57,193 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Starting Elev= 201.00' Surf.Area= 3,625 sf Storage= 4,061 cf
 Peak Elev= 204.88' @ 12.47 hrs Surf.Area= 10,370 sf Storage= 31,946 cf (27,885 cf above start)

Plug-Flow detention time= 166.8 min calculated for 53,132 cf (82% of inflow)

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Center-of-Mass det. time= 82.8 min (862.3 - 779.5)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	50,632 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	1,080	0	0
200.00	1,709	1,395	1,395
202.00	5,540	7,249	8,644
204.00	9,167	14,707	23,351
206.00	11,901	21,068	44,419
206.50	12,952	6,213	50,632

Device	Routing	Invert	Outlet Devices
#1	Primary	205.10'	20.0' long x 15.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	202.25'	12.0" Round Culvert L= 44.0' Ke= 0.500 Inlet / Outlet Invert= 202.25' / 202.03' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#3	Device 2	202.25'	4.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#4	Device 2	199.00'	6.0" x 6.0" Horiz. Orifice/Grate X 6.00 columns X 6 rows C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads

Primary OutFlow Max=5.05 cfs @ 12.47 hrs HW=204.88' TW=202.34' (Dynamic Tailwater)

1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

2=Culvert (Barrel Controls 5.05 cfs @ 6.43 fps)

3=Orifice/Grate (Passes < 0.66 cfs potential flow)

4=Orifice/Grate (Passes < 69.06 cfs potential flow)

Summary for Pond P212: INFILTRATION POND #1

Inflow Area = 273,385 sf, 52.58% Impervious, Inflow Depth > 7.01" for 100YR event
 Inflow = 38.83 cfs @ 12.11 hrs, Volume= 159,633 cf
 Outflow = 29.57 cfs @ 12.27 hrs, Volume= 159,597 cf, Atten= 24%, Lag= 9.2 min
 Discarded = 2.20 cfs @ 12.27 hrs, Volume= 90,354 cf
 Primary = 27.37 cfs @ 12.27 hrs, Volume= 69,243 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.00' @ 12.27 hrs Surf.Area= 18,537 sf Storage= 41,915 cf

Plug-Flow detention time= 79.5 min calculated for 159,597 cf (100% of inflow)

Center-of-Mass det. time= 79.4 min (858.7 - 779.3)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	62,106 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

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Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	9,642	0	0
202.00	15,371	25,013	25,013
204.00	21,722	37,093	62,106

Device	Routing	Invert	Outlet Devices
#1	Primary	202.50'	25.0' long x 20.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63
#2	Primary	201.30'	12.0" Round Culvert L= 40.0' Ke= 0.500 Inlet / Outlet Invert= 201.30' / 201.10' S= 0.0050 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#3	Discarded	200.00'	5.130 in/hr Exfiltration over Surface area Phase-In= 0.01'

Discarded OutFlow Max=2.20 cfs @ 12.27 hrs HW=202.99' (Free Discharge)↑ **3=Exfiltration** (Exfiltration Controls 2.20 cfs)**Primary OutFlow** Max=27.06 cfs @ 12.27 hrs HW=202.99' TW=200.36' (Dynamic Tailwater)↑ **1=Broad-Crested Rectangular Weir** (Weir Controls 23.35 cfs @ 1.90 fps)↑ **2=Culvert** (Barrel Controls 3.71 cfs @ 4.73 fps)**Summary for Link AP1: ANALYSIS POINT 1**

Inflow Area = 11,566 sf, 80.52% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 2.23 cfs @ 12.09 hrs, Volume= 7,679 cf
 Primary = 2.23 cfs @ 12.09 hrs, Volume= 7,679 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP2: ANALYSIS POINT 2

Inflow Area = 815,950 sf, 13.20% Impervious, Inflow Depth > 6.06" for 100YR event
 Inflow = 54.21 cfs @ 12.39 hrs, Volume= 412,060 cf
 Primary = 54.21 cfs @ 12.39 hrs, Volume= 412,060 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 46,924 sf, 0.00% Impervious, Inflow Depth > 5.88" for 100YR event
 Inflow = 7.23 cfs @ 12.09 hrs, Volume= 22,989 cf
 Primary = 7.23 cfs @ 12.09 hrs, Volume= 22,989 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Summary for Link AP4: ANALYSIS POINT #4

Inflow Area = 1,699,480 sf, 28.03% Impervious, Inflow Depth > 4.30" for 100YR event
Inflow = 98.80 cfs @ 12.34 hrs, Volume= 609,575 cf
Primary = 98.80 cfs @ 12.34 hrs, Volume= 609,575 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

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Stage-Area-Storage for Pond DE67: DRIP #67

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.99	455	0	209.05	455	193
208.01	455	4	209.07	455	197
208.03	455	7	209.09	455	200
208.05	455	11	209.11	455	204
208.07	455	15	209.13	455	207
208.09	455	18	209.15	455	211
208.11	455	22	209.17	455	215
208.13	455	25	209.19	455	218
208.15	455	29	209.21	455	222
208.17	455	33	209.23	455	226
208.19	455	36	209.25	455	229
208.21	455	40	209.27	455	233
208.23	455	44	209.29	455	237
208.25	455	47	209.31	455	240
208.27	455	51	209.33	455	244
208.29	455	55	209.35	455	248
208.31	455	58	209.37	455	251
208.33	455	62	209.39	455	255
208.35	455	66	209.41	455	258
208.37	455	69	209.43	455	262
208.39	455	73	209.45	455	266
208.41	455	76	209.47	455	269
208.43	455	80	209.49	455	273
208.45	455	84	209.51	455	277
208.47	455	87	209.53	455	280
208.49	455	91	209.55	455	284
208.51	455	95	209.57	455	288
208.53	455	98	209.59	455	291
208.55	455	102	209.61	455	295
208.57	455	106	209.63	455	298
208.59	455	109	209.65	455	302
208.61	455	113	209.67	455	306
208.63	455	116	209.69	455	309
208.65	455	120	209.71	455	313
208.67	455	124	209.73	455	317
208.69	455	127	209.75	455	320
208.71	455	131	209.77	455	324
208.73	455	135	209.79	455	328
208.75	455	138	209.81	455	331
208.77	455	142	209.83	455	335
208.79	455	146	209.85	455	339
208.81	455	149	209.87	455	342
208.83	455	153	209.89	455	346
208.85	455	157	209.91	455	349
208.87	455	160	209.93	455	353
208.89	455	164	209.95	455	357
208.91	455	167	209.97	455	360
208.93	455	171	209.99	455	364
208.95	455	175			
208.97	455	178			
208.99	455	182			
209.01	455	186			
209.03	455	189			

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Stage-Area-Storage for Pond DE61: DRIP #61

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
212.19	688	0	213.25	688	292
212.21	688	6	213.27	688	297
212.23	688	11	213.29	688	303
212.25	688	17	213.31	688	308
212.27	688	22	213.33	688	314
212.29	688	28	213.35	688	319
212.31	688	33	213.37	688	325
212.33	688	39	213.39	688	330
212.35	688	44	213.41	688	336
212.37	688	50	213.43	688	341
212.39	688	55	213.45	688	347
212.41	688	61	213.47	688	352
212.43	688	66	213.49	688	358
212.45	688	72	213.51	688	363
212.47	688	77	213.53	688	369
212.49	688	83	213.55	688	374
212.51	688	88	213.57	688	380
212.53	688	94	213.59	688	385
212.55	688	99	213.61	688	391
212.57	688	105	213.63	688	396
212.59	688	110	213.65	688	402
212.61	688	116	213.67	688	407
212.63	688	121	213.69	688	413
212.65	688	127	213.71	688	418
212.67	688	132	213.73	688	424
212.69	688	138	213.75	688	429
212.71	688	143	213.77	688	435
212.73	688	149	213.79	688	440
212.75	688	154	213.81	688	446
212.77	688	160	213.83	688	451
212.79	688	165	213.85	688	457
212.81	688	171	213.87	688	462
212.83	688	176	213.89	688	468
212.85	688	182	213.91	688	473
212.87	688	187	213.93	688	479
212.89	688	193	213.95	688	484
212.91	688	198	213.97	688	490
212.93	688	204	213.99	688	495
212.95	688	209	214.01	688	501
212.97	688	215	214.03	688	506
212.99	688	220	214.05	688	512
213.01	688	226	214.07	688	517
213.03	688	231	214.09	688	523
213.05	688	237	214.11	688	528
213.07	688	242	214.13	688	534
213.09	688	248	214.15	688	539
213.11	688	253	214.17	688	545
213.13	688	259	214.19	688	550
213.15	688	264			
213.17	688	270			
213.19	688	275			
213.21	688	281			
213.23	688	286			

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Stage-Area-Storage for Pond DECH: DRIP #CH

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.99	636	0	210.64	636	674
208.04	636	13	210.69	636	687
208.09	636	25	210.74	636	700
208.14	636	38	210.79	636	712
208.19	636	51	210.84	636	725
208.24	636	64	210.89	636	738
208.29	636	76	210.94	636	750
208.34	636	89	210.99	636	763
208.39	636	102			
208.44	636	114			
208.49	636	127			
208.54	636	140			
208.59	636	153			
208.64	636	165			
208.69	636	178			
208.74	636	191			
208.79	636	204			
208.84	636	216			
208.89	636	229			
208.94	636	242			
208.99	636	254			
209.04	636	267			
209.09	636	280			
209.14	636	293			
209.19	636	305			
209.24	636	318			
209.29	636	331			
209.34	636	343			
209.39	636	356			
209.44	636	369			
209.49	636	382			
209.54	636	394			
209.59	636	407			
209.64	636	420			
209.69	636	432			
209.74	636	445			
209.79	636	458			
209.84	636	471			
209.89	636	483			
209.94	636	496			
209.99	636	509			
210.04	636	522			
210.09	636	534			
210.14	636	547			
210.19	636	560			
210.24	636	572			
210.29	636	585			
210.34	636	598			
210.39	636	611			
210.44	636	623			
210.49	636	636			
210.54	636	649			
210.59	636	661			

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Stage-Area-Storage for Pond DE22: DRIP #22

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
207.49	285	0	210.14	285	302
207.54	285	6	210.19	285	308
207.59	285	11	210.24	285	314
207.64	285	17	210.29	285	319
207.69	285	23	210.34	285	325
207.74	285	29	210.39	285	331
207.79	285	34	210.44	285	336
207.84	285	40	210.49	285	342
207.89	285	46			
207.94	285	51			
207.99	285	57			
208.04	285	63			
208.09	285	68			
208.14	285	74			
208.19	285	80			
208.24	285	86			
208.29	285	91			
208.34	285	97			
208.39	285	103			
208.44	285	108			
208.49	285	114			
208.54	285	120			
208.59	285	125			
208.64	285	131			
208.69	285	137			
208.74	285	143			
208.79	285	148			
208.84	285	154			
208.89	285	160			
208.94	285	165			
208.99	285	171			
209.04	285	177			
209.09	285	182			
209.14	285	188			
209.19	285	194			
209.24	285	200			
209.29	285	205			
209.34	285	211			
209.39	285	217			
209.44	285	222			
209.49	285	228			
209.54	285	234			
209.59	285	239			
209.64	285	245			
209.69	285	251			
209.74	285	257			
209.79	285	262			
209.84	285	268			
209.89	285	274			
209.94	285	279			
209.99	285	285			
210.04	285	291			
210.09	285	296			

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Stage-Area-Storage for Pond P204: STORMTECH INFILTRATION SYSTEM

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.50	3,960	0	205.15	3,960	6,655
202.55	3,960	79	205.20	3,960	6,788
202.60	3,960	158	205.25	3,960	6,919
202.65	3,960	238	205.30	3,960	7,048
202.70	3,960	317	205.35	3,960	7,176
202.75	3,960	396	205.40	3,960	7,300
202.80	3,960	475	205.45	3,960	7,423
202.85	3,960	554	205.50	3,960	7,543
202.90	3,960	634	205.55	3,960	7,660
202.95	3,960	713	205.60	3,960	7,774
203.00	3,960	792	205.65	3,960	7,884
203.05	3,960	871	205.70	3,960	7,989
203.10	3,960	950	205.75	3,960	8,089
203.15	3,960	1,030	205.80	3,960	8,183
203.20	3,960	1,109	205.85	3,960	8,272
203.25	3,960	1,188	205.90	3,960	8,358
203.30	3,960	1,267	205.95	3,960	8,441
203.35	3,960	1,346	206.00	3,960	8,521
203.40	3,960	1,426	206.05	3,960	8,600
203.45	3,960	1,505	206.10	3,960	8,680
203.50	3,960	1,584	206.15	3,960	8,759
203.55	3,960	1,749	206.20	3,960	8,838
203.60	3,960	1,914	206.25	3,960	8,917
203.65	3,960	2,079	206.30	3,960	8,997
203.70	3,960	2,243	206.35	3,960	9,076
203.75	3,960	2,407	206.40	3,960	9,155
203.80	3,960	2,570	206.45	3,960	9,234
203.85	3,960	2,732	206.50	3,960	9,313
203.90	3,960	2,894	206.55	3,960	9,393
203.95	3,960	3,056	206.60	3,960	9,472
204.00	3,960	3,217	206.65	3,960	9,551
204.05	3,960	3,377	206.70	3,960	9,630
204.10	3,960	3,536	206.75	3,960	9,709
204.15	3,960	3,695	206.80	3,960	9,789
204.20	3,960	3,852	206.85	3,960	9,868
204.25	3,960	4,009	206.90	3,960	9,947
204.30	3,960	4,166	206.95	3,960	10,026
204.35	3,960	4,321	207.00	3,960	10,105
204.40	3,960	4,475			
204.45	3,960	4,629			
204.50	3,960	4,782			
204.55	3,960	4,933			
204.60	3,960	5,084			
204.65	3,960	5,233			
204.70	3,960	5,381			
204.75	3,960	5,528			
204.80	3,960	5,674			
204.85	3,960	5,818			
204.90	3,960	5,961			
204.95	3,960	6,103			
205.00	3,960	6,243			
205.05	3,960	6,382			
205.10	3,960	6,519			

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Stage-Area-Storage for Pond P205: EXTENDED DETENTION WETLAND #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.00	2,516	0	200.30	10,647	33,756
195.10	2,587	255	200.40	10,811	34,829
195.20	2,658	517	200.50	10,975	35,919
195.30	2,729	787	200.60	11,139	37,024
195.40	2,800	1,063	200.70	11,303	38,146
195.50	2,871	1,347	200.80	11,467	39,285
195.60	2,942	1,637	200.90	11,631	40,440
195.70	3,013	1,935	201.00	11,795	41,611
195.80	3,084	2,240	201.10	11,959	42,799
195.90	3,155	2,552	201.20	12,123	44,003
196.00	3,226	2,871	201.30	12,287	45,223
196.10	3,424	3,204	201.40	12,451	46,460
196.20	3,623	3,556	201.50	12,615	47,714
196.30	3,821	3,928	201.60	12,779	48,983
196.40	4,019	4,320	201.70	12,943	50,269
196.50	4,218	4,732	201.80	13,107	51,572
196.60	4,416	5,164	201.90	13,271	52,891
196.70	4,614	5,615	202.00	13,435	54,226
196.80	4,812	6,086	202.10	13,608	55,578
196.90	5,011	6,578	202.20	13,781	56,948
197.00	5,209	7,089	202.30	13,954	58,334
197.10	5,407	7,619	202.40	14,127	59,738
197.20	5,606	8,170	202.50	14,300	61,160
197.30	5,804	8,740	202.60	14,473	62,598
197.40	6,002	9,331	202.70	14,646	64,054
197.50	6,201	9,941	202.80	14,819	65,528
197.60	6,399	10,571	202.90	14,992	67,018
197.70	6,597	11,221	203.00	15,165	68,526
197.80	6,795	11,890	203.10	15,705	70,070
197.90	6,994	12,580	203.20	16,246	71,667
198.00	7,192	13,289	203.30	16,786	73,319
198.10	7,340	14,016	203.40	17,327	75,024
198.20	7,488	14,757	203.50	17,867	76,784
198.30	7,636	15,513			
198.40	7,785	16,284			
198.50	7,933	17,070			
198.60	8,081	17,871			
198.70	8,229	18,686			
198.80	8,377	19,517			
198.90	8,525	20,362			
199.00	8,674	21,222			
199.10	8,822	22,097			
199.20	8,970	22,986			
199.30	9,118	23,890			
199.40	9,266	24,810			
199.50	9,414	25,744			
199.60	9,562	26,693			
199.70	9,711	27,656			
199.80	9,859	28,635			
199.90	10,007	29,628			
200.00	10,155	30,636			
200.10	10,319	31,660			
200.20	10,483	32,700			

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Stage-Area-Storage for Pond P206: STORMTECH INFILTRATION SYSTEM

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.60	5,239	0	197.25	5,239	9,389
194.65	5,239	105	197.30	5,239	9,505
194.70	5,239	210	197.35	5,239	9,617
194.75	5,239	314	197.40	5,239	9,726
194.80	5,239	419	197.45	5,239	9,831
194.85	5,239	524	197.50	5,239	9,936
194.90	5,239	629	197.55	5,239	10,041
194.95	5,239	771	197.60	5,239	10,145
195.00	5,239	986	197.65	5,239	10,250
195.05	5,239	1,202	197.70	5,239	10,355
195.10	5,239	1,418	197.75	5,239	10,460
195.15	5,239	1,632	197.80	5,239	10,565
195.20	5,239	1,846	197.85	5,239	10,669
195.25	5,239	2,060	197.90	5,239	10,774
195.30	5,239	2,273			
195.35	5,239	2,484			
195.40	5,239	2,696			
195.45	5,239	2,906			
195.50	5,239	3,115			
195.55	5,239	3,323			
195.60	5,239	3,531			
195.65	5,239	3,737			
195.70	5,239	3,942			
195.75	5,239	4,147			
195.80	5,239	4,350			
195.85	5,239	4,551			
195.90	5,239	4,752			
195.95	5,239	4,952			
196.00	5,239	5,150			
196.05	5,239	5,347			
196.10	5,239	5,542			
196.15	5,239	5,735			
196.20	5,239	5,927			
196.25	5,239	6,118			
196.30	5,239	6,307			
196.35	5,239	6,494			
196.40	5,239	6,679			
196.45	5,239	6,862			
196.50	5,239	7,043			
196.55	5,239	7,223			
196.60	5,239	7,399			
196.65	5,239	7,573			
196.70	5,239	7,745			
196.75	5,239	7,913			
196.80	5,239	8,079			
196.85	5,239	8,243			
196.90	5,239	8,402			
196.95	5,239	8,559			
197.00	5,239	8,711			
197.05	5,239	8,860			
197.10	5,239	9,002			
197.15	5,239	9,139			
197.20	5,239	9,267			

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Stage-Area-Storage for Pond P207: INFILTRATION POND #2

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.00	2,100	0	199.30	11,509	39,586
194.10	2,345	222	199.40	11,648	40,744
194.20	2,590	469	199.50	11,787	41,915
194.30	2,835	740	199.60	11,926	43,101
194.40	3,080	1,036	199.70	12,066	44,301
194.50	3,325	1,356	199.80	12,205	45,514
194.60	3,570	1,701	199.90	12,344	46,742
194.70	3,815	2,070	200.00	12,483	47,983
194.80	4,060	2,464			
194.90	4,305	2,882			
195.00	4,550	3,325			
195.10	4,795	3,792			
195.20	5,040	4,284			
195.30	5,285	4,800			
195.40	5,530	5,341			
195.50	5,775	5,906			
195.60	6,020	6,496			
195.70	6,265	7,110			
195.80	6,510	7,749			
195.90	6,755	8,412			
196.00	7,000	9,100			
196.10	7,135	9,807			
196.20	7,270	10,527			
196.30	7,405	11,261			
196.40	7,540	12,008			
196.50	7,675	12,769			
196.60	7,810	13,543			
196.70	7,945	14,331			
196.80	8,080	15,132			
196.90	8,215	15,947			
197.00	8,350	16,775			
197.10	8,485	17,617			
197.20	8,620	18,472			
197.30	8,755	19,341			
197.40	8,890	20,223			
197.50	9,025	21,119			
197.60	9,160	22,028			
197.70	9,295	22,951			
197.80	9,430	23,887			
197.90	9,565	24,837			
198.00	9,700	25,800			
198.10	9,839	26,777			
198.20	9,978	27,768			
198.30	10,117	28,773			
198.40	10,257	29,791			
198.50	10,396	30,824			
198.60	10,535	31,870			
198.70	10,674	32,931			
198.80	10,813	34,005			
198.90	10,952	35,094			
199.00	11,092	36,196			
199.10	11,231	37,312			
199.20	11,370	38,442			

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Stage-Area-Storage for Pond P210: EXTENDED DETENTION WETLAND #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	1,080	0	204.30	9,577	26,162
199.10	1,143	111	204.40	9,714	27,127
199.20	1,206	229	204.50	9,851	28,105
199.30	1,269	352	204.60	9,987	29,097
199.40	1,332	482	204.70	10,124	30,102
199.50	1,395	619	204.80	10,261	31,122
199.60	1,457	761	204.90	10,397	32,154
199.70	1,520	910	205.00	10,534	33,201
199.80	1,583	1,065	205.10	10,671	34,261
199.90	1,646	1,227	205.20	10,807	35,335
200.00	1,709	1,395	205.30	10,944	36,423
200.10	1,901	1,575	205.40	11,081	37,524
200.20	2,092	1,775	205.50	11,218	38,639
200.30	2,284	1,993	205.60	11,354	39,767
200.40	2,475	2,231	205.70	11,491	40,910
200.50	2,667	2,488	205.80	11,628	42,066
200.60	2,858	2,765	205.90	11,764	43,235
200.70	3,050	3,060	206.00	11,901	44,419
200.80	3,241	3,375	206.10	12,111	45,619
200.90	3,433	3,708	206.20	12,321	46,841
201.00	3,625	4,061	206.30	12,532	48,083
201.10	3,816	4,433	206.40	12,742	49,347
201.20	4,008	4,824	206.50	12,952	50,632
201.30	4,199	5,235			
201.40	4,391	5,664			
201.50	4,582	6,113			
201.60	4,774	6,581			
201.70	4,965	7,068			
201.80	5,157	7,574			
201.90	5,348	8,099			
202.00	5,540	8,644			
202.10	5,721	9,207			
202.20	5,903	9,788			
202.30	6,084	10,387			
202.40	6,265	11,005			
202.50	6,447	11,640			
202.60	6,628	12,294			
202.70	6,809	12,966			
202.80	6,991	13,656			
202.90	7,172	14,364			
203.00	7,354	15,090			
203.10	7,535	15,835			
203.20	7,716	16,597			
203.30	7,898	17,378			
203.40	8,079	18,177			
203.50	8,260	18,994			
203.60	8,442	19,829			
203.70	8,623	20,682			
203.80	8,804	21,553			
203.90	8,986	22,443			
204.00	9,167	23,351			
204.10	9,304	24,274			
204.20	9,440	25,211			

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Stage-Area-Storage for Pond P212: INFILTRATION POND #1

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	9,642	0	202.65	17,435	35,675
200.05	9,785	486	202.70	17,594	36,551
200.10	9,928	979	202.75	17,753	37,434
200.15	10,072	1,479	202.80	17,911	38,326
200.20	10,215	1,986	202.85	18,070	39,225
200.25	10,358	2,500	202.90	18,229	40,133
200.30	10,501	3,022	202.95	18,388	41,048
200.35	10,645	3,550	203.00	18,547	41,972
200.40	10,788	4,086	203.05	18,705	42,903
200.45	10,931	4,629	203.10	18,864	43,842
200.50	11,074	5,179	203.15	19,023	44,789
200.55	11,217	5,736	203.20	19,182	45,745
200.60	11,361	6,301	203.25	19,340	46,708
200.65	11,504	6,872	203.30	19,499	47,679
200.70	11,647	7,451	203.35	19,658	48,658
200.75	11,790	8,037	203.40	19,817	49,644
200.80	11,934	8,630	203.45	19,975	50,639
200.85	12,077	9,231	203.50	20,134	51,642
200.90	12,220	9,838	203.55	20,293	52,653
200.95	12,363	10,453	203.60	20,452	53,671
201.00	12,507	11,074	203.65	20,611	54,698
201.05	12,650	11,703	203.70	20,769	55,732
201.10	12,793	12,339	203.75	20,928	56,775
201.15	12,936	12,982	203.80	21,087	57,825
201.20	13,079	13,633	203.85	21,246	58,883
201.25	13,223	14,290	203.90	21,404	59,950
201.30	13,366	14,955	203.95	21,563	61,024
201.35	13,509	15,627	204.00	21,722	62,106
201.40	13,652	16,306			
201.45	13,796	16,992			
201.50	13,939	17,686			
201.55	14,082	18,386			
201.60	14,225	19,094			
201.65	14,368	19,809			
201.70	14,512	20,531			
201.75	14,655	21,260			
201.80	14,798	21,996			
201.85	14,941	22,740			
201.90	15,085	23,490			
201.95	15,228	24,248			
202.00	15,371	25,013			
202.05	15,530	25,786			
202.10	15,689	26,566			
202.15	15,847	27,354			
202.20	16,006	28,151			
202.25	16,165	28,955			
202.30	16,324	29,767			
202.35	16,482	30,587			
202.40	16,641	31,415			
202.45	16,800	32,251			
202.50	16,959	33,095			
202.55	17,118	33,947			
202.60	17,276	34,807			

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Stage-Area-Storage for Pond DE3: DRIP #3

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
220.79	272	0	223.44	272	288
220.84	272	5	223.49	272	294
220.89	272	11	223.54	272	299
220.94	272	16	223.59	272	305
220.99	272	22	223.64	272	310
221.04	272	27	223.69	272	316
221.09	272	33	223.74	272	321
221.14	272	38	223.79	272	326
221.19	272	44			
221.24	272	49			
221.29	272	54			
221.34	272	60			
221.39	272	65			
221.44	272	71			
221.49	272	76			
221.54	272	82			
221.59	272	87			
221.64	272	92			
221.69	272	98			
221.74	272	103			
221.79	272	109			
221.84	272	114			
221.89	272	120			
221.94	272	125			
221.99	272	131			
222.04	272	136			
222.09	272	141			
222.14	272	147			
222.19	272	152			
222.24	272	158			
222.29	272	163			
222.34	272	169			
222.39	272	174			
222.44	272	180			
222.49	272	185			
222.54	272	190			
222.59	272	196			
222.64	272	201			
222.69	272	207			
222.74	272	212			
222.79	272	218			
222.84	272	223			
222.89	272	228			
222.94	272	234			
222.99	272	239			
223.04	272	245			
223.09	272	250			
223.14	272	256			
223.19	272	261			
223.24	272	267			
223.29	272	272			
223.34	272	277			
223.39	272	283			

MASTER LOG - TEST PIT INFORMATION

55 SUMMER ST, WALPOLE MA



Test Pits Performed on 12/4/2019, 12/5/2019, 12/6/2019, 01/09/2020, 10/20/2020, 10/21/2020

Test Pits Performed By Kasey Ferreira, E.I.T.

Test Pits Witnessed By Chris Johnson, Town of Walpole

TP-1 (Drainage)			
0"-13"	A _p	Loam/Organics	
13"-23"	B _w	Sandy Loam	
23"-120"	C	Loamy Sand	
Mottles at 24"			
HSG C			

TP-2 (Drainage)			
0"-10"	A _p	Loam/Organics	
10"-118"	C	Loamy Sand	
Weeping at 71", Mottles at 33"			
HSG B			

TP-3 (Drainage)			
0"-12"	A _p	Loam	
12"-20"	B _w	Sandy Loam	
20"-98"	C	Loamy Sand	
Standing at 94", Mottles at 31"			
HSG C			



TP-4 (Drainage)			
0"-11"	A _p	Loam/Organics	
11"-96"	C	Loamy Sand	
Standing at 97", Mottles at 49"			
HSG A			

TP-5 (Drainage)			
0"-12"	A _p	Loam/Organics	
12"-109"	C	Loamy Sand	
Standing at 85", Mottles at 41"			
HSG A			

TP-6 (Drainage)			
0"-11"	A _p	Loam/Organics	
11"-20"	B _w	Sandy Loam	
20"-99"	C	Loamy Sand	
Standing at 60", Mottles at 26"			
HSG C			

TP-7 (Drainage)			
0"-7"	A _p	Loam	
7"-122"	C	Loamy Sand	
Weeping at 103", Mottles at 40"			
HSG B			



TP-8 (Drainage)			
0"-7"	A _p	Loam	
7"-18"	B _w	Sandy Loam	
18"-139"	C	Loamy Sand	
Standing at 130", Weeping at 125", Mottles at 44"			
HSG B			

TP-9 (Drainage)			
0"-40"	Fill		
40"-117"	C	Medium Sand	
Weeping at 34", Mottles at 40"			
HSG A			

TP-10 (Drainage)			
0"-9"	A _p	Loam	
9"-23"	B _w	Sandy Loam	
23"-96"	C	Coarse Sand	
Standing at 96", Mottles at 34"			
HSG C			

TP-11 (Drainage)			
0"-8"	A _p	Loam	
8"-17"	B _w	Loamy Sand	
17"-122"	C	Medium Sand	
Standing at 115", Weeping at 46", Mottles at 30"			
HSG B			



TP-12 (Drainage)			
0"-9"	A _p	Loam	
9"-18"	B _w	Loamy Sand	
18"-120"	C	Medium Sand	
Weeping at 24", Mottles at 29"			
HSG B			

TP-13 (Drainage)			
0"-13"	A _p	Loam	
13"-28"	B _w	Sandy Loam	
28"-135"	C	Loamy Sand	
Weeping at 115", Mottles at 43"			
HSG B			

TP-14 (Drainage)			
0"-7"	A _p	Loam	
7"-13"	B _w	Loamy Fine Sand	
13"-95"	C ₁	Coarse Sand	
95"-120"	C ₂	Gravel	
Standing at 104", Mottles at 95"			
HSG A			



TP-15 (Drainage)			
0"-5"	A _p	Loam	
5"-22"	B _w	Sandy Loam	
22"-120"	C	Loamy Sand	
Weeping at 30"			
HSG C			

TP-16 (Drainage)			
0"-5"	A _p	Loam	
5"-20"	B _w	Sandy Loam	
20"-120"	C	Loamy Sand	
Standing at 96", Mottles at 36"			
HSG C			

TP-17 (Drainage)			
0"-9"	A _p	Loam/Organics	
9"-108"	C	Loamy Sand	
Weeping at 18"			
HSG A/D (D)			

TP-18 (Drainage)			
0"-8"	A _p	Loam	
8"-17"	B _w	Sandy Loam	
17"-120"	C	Loamy Sand	
Weeping at 29", Mottles at 26"			
HSG C			



TP-19 (Building)			
0"-8"	A _p	Loam	
8"-20"	B _w	Loamy Sand	
20"-120"	C	Sand	
Mottles at 50"			
HSG A			

TP-20 (Building)			
0"-7"	A _p	Loam	
7"-24"	B _w	Sandy Loam	
24"-103"	C	Loamy Sand	
Mottles at 48"			
HSG B			

TP-21 (Exploratory)			
0"-9"	A _p	Loam	
9"-24"	B _w	Loamy Sand	
24"-102"	C	Sand	
Mottles at 43"			
HSG A			



TP-22 (Exploratory)			
0"-6"	A _p	Loam	
6"-23"	B _w	Sandy Loam	
23"-66"	C	Loamy Sand	
Mottles at 32"			
HSG C			

TP-23 (Building)			
0"-12"	A _p	Loam	
12"-24"	B _w	Loamy Sand	
24"-118"	C	Sand	
Standing at 96", Mottles at 36"			
HSG B			

TP-24 (Building)			
0"-11"	A _p	Loam	
11"-24"	B _w	Loamy Sand	
24"-102"	C	Sand	
Weeping at 100", Mottles at 39", Refusal at 102"			
HSG B			



TP-25 (Building)			
0"-10"	A _p	Loam	
10"-20"	B _w	Loamy Sand	
20"-69"	C	Sand	
Mottles at 41", Refusal at 69"			
HSG A			

TP-25A (Exploratory)			
0"-8"	A _p	Loam	
8"-15"	B _w	Sandy Loam	
15"-108"	C	Loamy Sand	
Mottles at 32"			
HSG C			

TP-26 (Building)			
0"-10"	A _p	Loam	
10"-18"	B _w	Sandy Loam	
18"-75"	C	Loamy Sand	
Mottles at 49", Refusal at 75"			
HSG B			



TP-27 (Building)			
0"-8"	A _p	Loam	
8"-25"	B _w	Sandy Loam	
25"-48"	C ₁	Loamy Sand	
48"-110	C ₂	Loamy Sand	
Standing at 100", Weeping at 54", Mottles at 30"			
HSG C			

TP-28 (Building)			
0"-6"	A _p	Loam	
6"-24"	B _w	Sandy Loam	
24"-99"	C	Loamy Sand	
Standing at 90", Weeping at 65", Mottles at 32"			
HSG C			

TP-29 (Exploratory)			
0"-13"	A _p	Loam	
13"-18"	B _w	Sandy Loam	
18"-132"	C	Loamy Sand	
Mottles at 43"			
HSG B			



TP-30 (Exploratory)			
0"-12"	A _p	Loam/Organics	
12"-30"	B _w	Loam	
30"-128"	C	Loamy Sand	
Weeping at 102", Mottles at 36"			
HSG C			

TP-31 (Exploratory)			
0"-32"	Fill		
32"-96"	C	Gravelly Loamy sand	
Mottles at 42"			
HSG A			

TP-32 (Drainage)			
0"-14"	A	Sandy Loam	
14"-20"	B	Sandy Loam	
20"-88"	C	Sandy Loam	
Mottles at 30", No Standing			
HSG C			

TP-33 (Drainage)			
0"-12"	A	Sandy Loam	
12"-30"	B	Sandy Loam	
30"-87"	C	Loamy Sand	
Mottles at 30"			
HSG C			



TP-34 (Drainage)			
0"-10"	A	Sandy Loam	
10"-24"	Bw	Sandy Loam	
24"-72"	C	Loamy Sand	
Mottles at 37"			
HSG C			

TP-36 (Drainage)			
0"-10"	A	Sandy Loam	
10"-22"	Bw	Sandy Loam	
22"-62"	C	Sandy Loam	
Mottles at 21"			
HSG C			

TP-37 (Drainage)			
0"-11"	A	Sandy Loam	
11"-28"	Bw	Sandy Loam	
28"-52"	C	Sandy Loam	
Seasonal high at 28"			
HSG C			



MASTER LOG - TEST PIT INFORMATION

55 Summer Street, Walpole MA
October 2020

TP-38 (Drainage)			
0"-12"	A	Sandy Loam	
12"-28"	B	Sandy Loam	
28"-72"	C	Sand	
Mottles at 42"			
HSG B			

TP-39 (Drainage)			
0"-14"	A	Sandy Loam	
14"-37"	B	Sandy Loam	
37"-66"	C	Loamy Sand	
Mottles at 36"			
HSG C			

TP-40 (Drainage)			
0"-14"	A	Sandy Loam	
14"-30"	Bw	Sandy Loam	
30"-59"	C1	Sand	
59"-98"	C2	Loamy Sand	
Seasonal high at 28"			
HSG C			



TP-40A (Drainage)			
0"-14"	A	Sandy Loam	
14"-23"	Bw	Sandy Loam	
23"-80"	C	Sand	
Seasonal high at 40"			
HSG C			

TP-41 (Drainage)			
0"-9"	A	Sandy Loam	
9"-20"	B	Sandy Loam	
20"-88"	C	Sand	
Seasonal high at 45"			
HSG B			

TP-42 (Drainage)			
0"-10"	A	Sandy Loam	
10"-28"	Bw	Sandy Loam	
28"-86"	C	Sand	
Seasonal high at 48", presence of color change			
HSG B			



MASTER LOG - TEST PIT INFORMATION
55 Summer Street, Walpole MA
October 2020

TP-43 (Drainage)			
0"-10"	A	Sandy Loam	
10"-26"	Bw	Sandy Loam	
26"-64"	C1	Sandy Loam	
64"-100"	C2	Loamy Sand	
Mottles at 26"			
HSG C			

TP-43A (Drainage)			
0"-10"	A	Sandy Loam	
10"-19"	Bw	Sandy Loam	
19"-89"	C	Sandy Loam	
Mottles at 16"			
HSG B/D (B)			

TP-44 (Drainage)			
0"-10"	A	Sandy Loam	
10"-35"	Bw	Sandy Loam	
35"-52"	C1	Sandy Loam	
52"-76"	C2	Loamy Sand	
Seasonal high at 35"			
HSG C			



TP-45 (Drainage)			
0"-12"	A	Sandy Loam	
12"-27"	Bw	Sandy Loam	
27"-56"	C1	Sandy Loam	
56"-91"	C2	Loamy Sand	
TBD			

TP-46 (Drainage)			
0"-12"	A	Sandy Loam	
12"-27"	Bw	Sandy Loam	
27"-52"	C1	Sandy Loam	
52"-100"	C2	Loamy Sand	
Seasonal high at 18"			
HSG B/D (B)			

TP-47 (Drainage)			
0"-12"	A	Sandy Loam	
12"-34"	Bw	Sandy Loam	
34"-48"	C1	Sandy Loam	
48"-102"	C2	Loamy Sand	
Seasonal high at 30"			
HSG C			



MASTER LOG - TEST PIT INFORMATION

55 Summer Street, Walpole MA
October 2020

TP-48 (Drainage)			
0"-12"	A	Sandy Loam	
12"-29"	Bw	Sandy Loam	
29"-80"	C	Loamy Sand	
Seasonal high at 36"			
HSG C			

TP-49 (Drainage)			
0"-10"	A	Sandy Loam	
10"-24"	Bw	Sandy Loam	
24"-60"	C	Loamy Sand	
Refusal at 60". No seasonal high present.			
HSG B			

TP-50 (Drainage)			
0"-12"	A	Sandy Loam	
12"-25"	Bw	Sandy Loam	
25"-67"	C	Loamy Sand	
No seasonal high.			
HSG B			



TP-51 (Drainage)			
0"-12"	A	Sandy Loam	
12"-34"	B	Sandy Loam	
34"-65"	C	Loamy Sand	
Seasonal high at 21"			
HSG B/D			

TP-52 (Drainage)			
0"-10"	A	Sandy Loam	
10"-28"	Bw	Sandy Loam	
28"-72"	C	Loamy Sand	
Seasonal high at 53"			
HSG B			

TP-53 (Drainage)			
0"-10"	A	Sandy Loam	
10"-32"	B	Sandy Loam	
32"-78"	C	Sandy Loam	
Seasonal high at 32"			
HSG C			



TP-2A (Drainage)			
0"-14"	A	Sandy Loam	
14"-28"	Bw	Sandy Loam	
28"-72"	C	Sandy Loam	
Mottles at 25"			
HSG C			

HSG-1 (Drainage)			
0"-10"	A	Sandy Loam	
10"-28"	Bw	Sandy Loam	
28"-32"	C	Loamy Sand	
Refusal at 32". No seasonal high.			
HSG C			

HSG-2 (Drainage)			
0"-10"	A	Sandy Loam	
10"-30"	Bw	Sandy Loam	
30"-42"	C	Loamy Sand	
Seasonal high at 32"			
HSG C			



HSG-3 (Drainage)			
0"-10"	A	Sandy Loam	
10"-22"	Bw	Sandy Loam	
22"-41"	C	Sandy Loam	
Seasonal high at 34"			
HSG C			

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 1

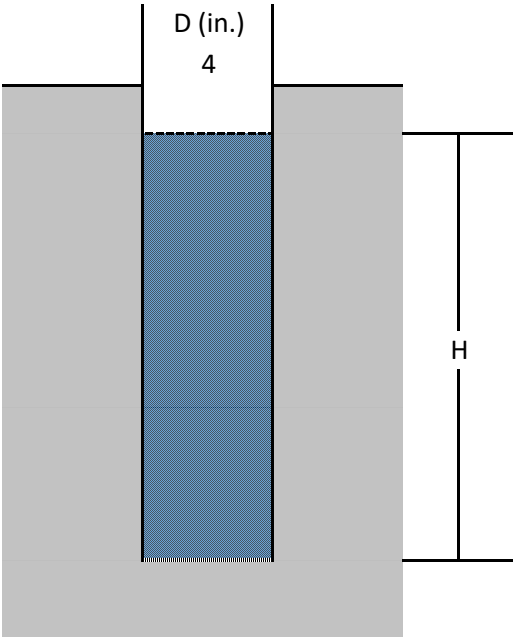
Test Date: 28-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 8" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	600	1.04	600	0.043	0.3
22	1320	1.05	720	0.044	0.3
21	2340	1.05	1020	0.047	0.2
20	3360	1.05	1020	0.049	0.2
19	4440	1.05	1080	0.051	0.2
18	5460	1.06	1020	0.054	0.2
Average			0.22 in/hr		
Safety Factor			2		
Design K			0.11 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 2A

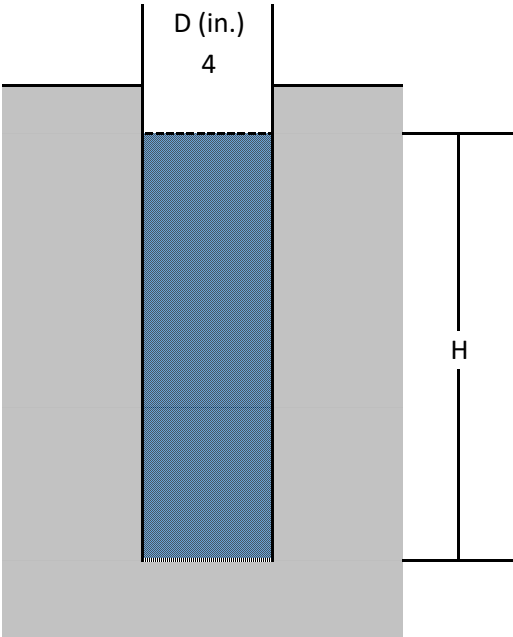
Test Date: 28-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 8" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	300	1.04	300	0.043	0.6
22	660	1.05	360	0.044	0.5
21	1140	1.05	480	0.047	0.4
20	1740	1.05	600	0.049	0.3
19	2340	1.05	600	0.051	0.4
18	3060	1.06	720	0.054	0.3
Average			0.41 in/hr		
Safety Factor			2		
Design K			0.21 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 32

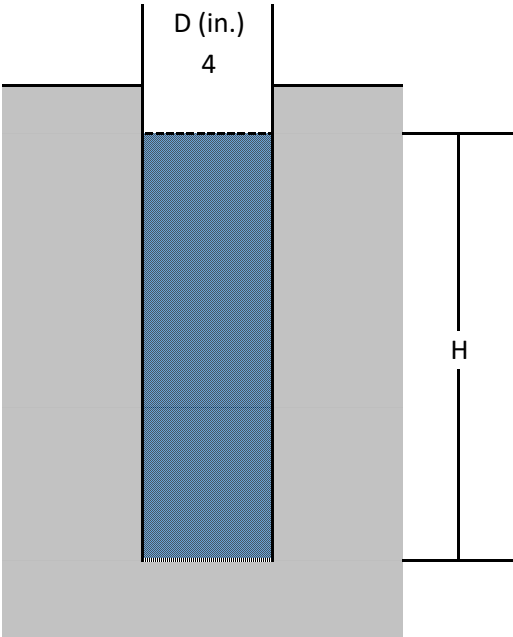
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 32" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	90	1.04	90	0.043	1.9
22	180	1.05	90	0.044	2.0
21	285	1.05	105	0.047	1.8
20	390	1.05	105	0.049	1.9
19	570	1.05	180	0.051	1.2
18	690	1.06	120	0.054	1.9
Average			1.79 in/hr		
Safety Factor			2		
Design K			0.89 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 33

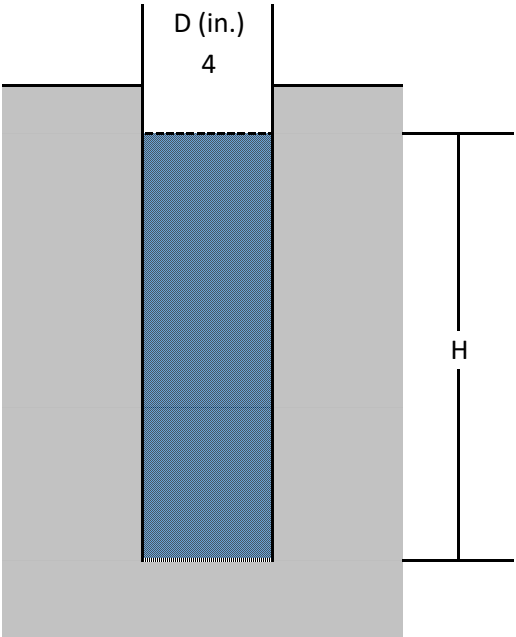
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E./Kasey Ferreira

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 37" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	600	1.04	600	0.043	0.3
22	1740	1.05	1140	0.044	0.2
21	2820	1.05	1080	0.047	0.2
20	4140	1.05	1320	0.049	0.2
19	5580	1.05	1440	0.051	0.1
18	7140	1.06	1560	0.054	0.1
Average			0.18 in/hr		
Safety Factor			2		
Design K			0.09 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 34

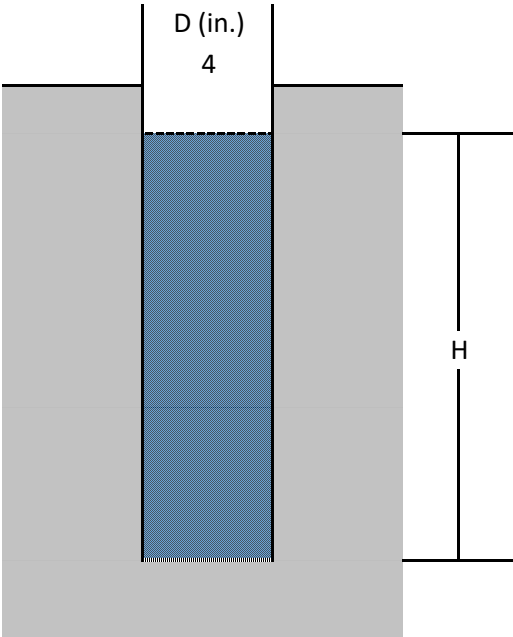
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 32" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	300	1.04	300	0.043	0.6
22	600	1.05	300	0.044	0.6
21	900	1.05	300	0.047	0.6
20	1260	1.05	360	0.049	0.6
19	1620	1.05	360	0.051	0.6
18	1980	1.06	360	0.054	0.6
Average			0.60 in/hr		
Safety Factor			2		
Design K			0.30 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 16

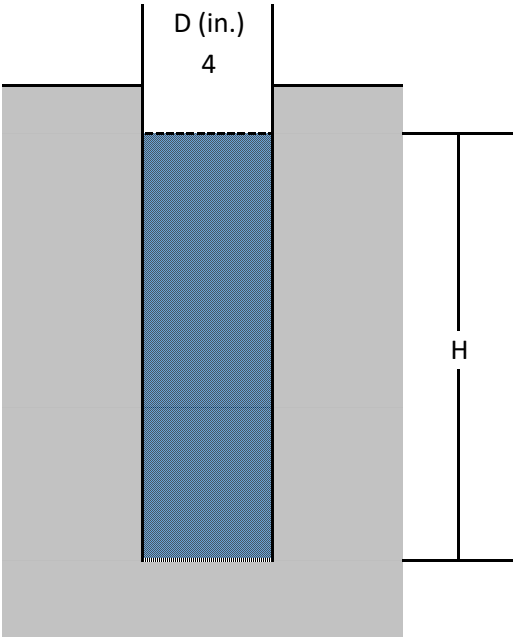
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 32" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	300	1.04	300	0.043	0.6
22	660	1.05	360	0.044	0.5
21	1140	1.05	480	0.047	0.4
20	1680	1.05	540	0.049	0.4
19	2160	1.05	480	0.051	0.4
18	2700	1.06	540	0.054	0.4
Average			0.45 in/hr		
Safety Factor			2		
Design K			0.23 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 38

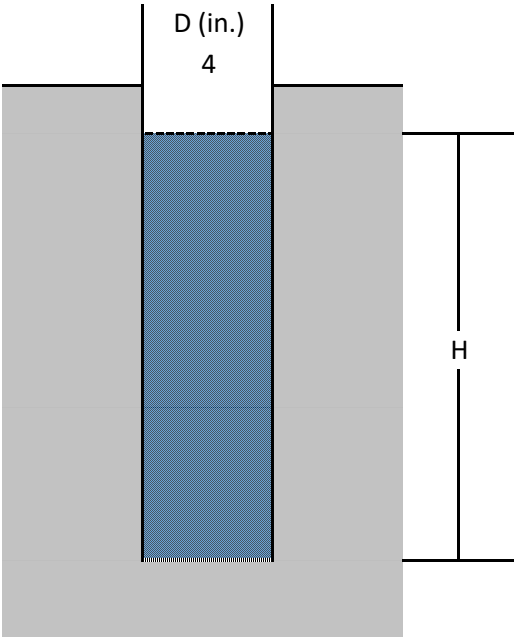
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 38" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
22	18	1.09	18	0.087	19.9
20	36	1.10	18	0.095	21.8
18	56	1.11	20	0.105	21.7
16	81	1.13	25	0.118	19.4
14	107	1.14	26	0.134	21.1
12	137	1.17	30	0.154	21.1
Average			20.8 in/hr		
Safety Factor			2		
Design K			10.41 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 40

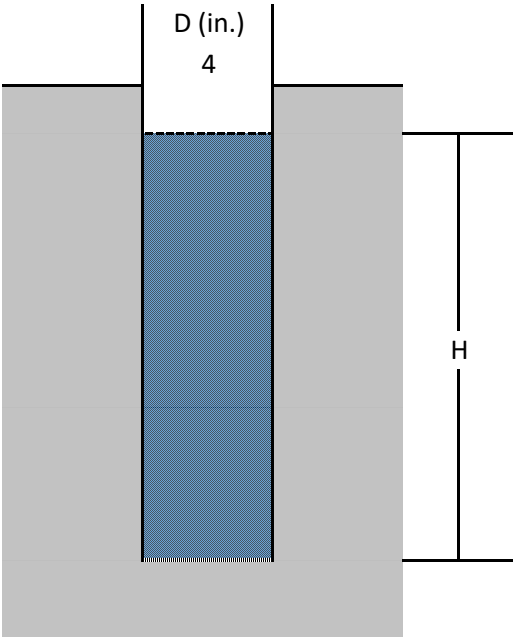
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 32" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
22	33	1.09	33	0.087	10.8
20	75	1.10	42	0.095	9.3
18	118	1.11	43	0.105	10.1
16	166	1.13	48	0.118	10.1
14	219	1.14	53	0.134	10.4
12	277	1.17	58	0.154	10.9
Average			10.3 in/hr		
Safety Factor			2		
Design K			5.13 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 40A

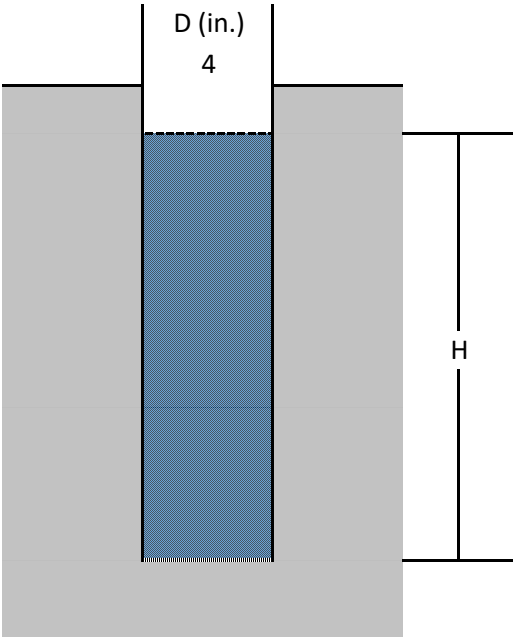
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 42" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
22	34	1.09	34	0.087	10.5
20	60	1.10	26	0.095	15.1
18	93	1.11	33	0.105	13.1
16	129	1.13	36	0.118	13.4
14	171	1.14	42	0.134	13.1
12	217	1.17	46	0.154	13.8
Average			13.2 in/hr		
Safety Factor			2		
Design K			6.58 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 41

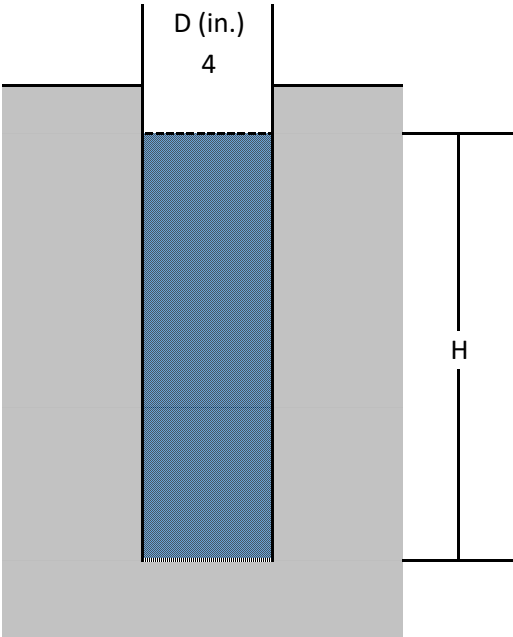
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 42" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
22	15	1.09	15	0.087	23.8
20	37	1.10	22	0.095	17.8
18	63	1.11	26	0.105	16.7
16	102	1.13	39	0.118	12.4
14	145	1.14	43	0.134	12.8
12	185	1.17	40	0.154	15.8
Average			16.6 in/hr		
Safety Factor			2		
Design K			8.28 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 42 (in C1)

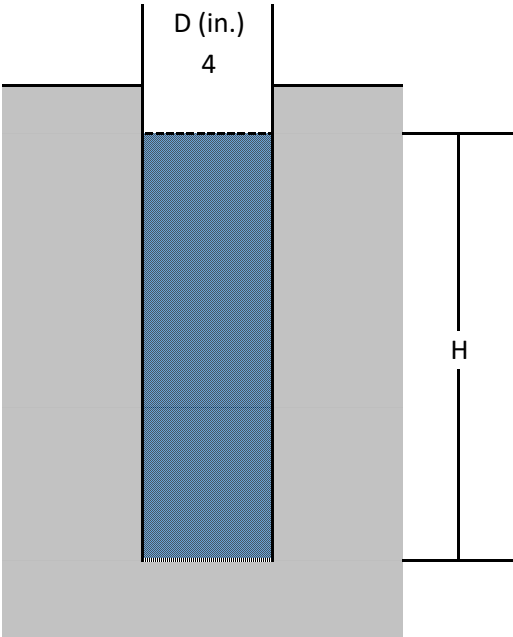
Test Date: 20-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 38" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
22	56	1.09	56	0.087	6.4
20	114	1.10	58	0.095	6.8
18	175	1.11	61	0.105	7.1
16	251	1.13	76	0.118	6.4
14	352	1.14	101	0.134	5.4
12	440	1.17	88	0.154	7.2
Average			6.5 in/hr		
Safety Factor			2		
Design K			3.27 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 42 (in C2) (remove C1)

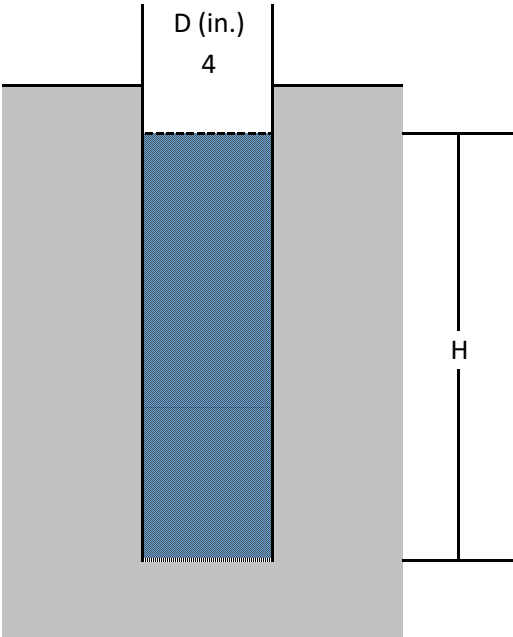
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 52" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
22	20	1.09	20	0.087	17.9
20	38	1.10	18	0.095	21.8
18	61	1.11	23	0.105	18.8
16	88	1.13	27	0.118	17.9
14	110	1.14	22	0.134	24.9
12	133	1.17	23	0.154	27.5
Average			21.5 in/hr		
Safety Factor			2		
Design K			10.74 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 43 (in C2) (remove C1)

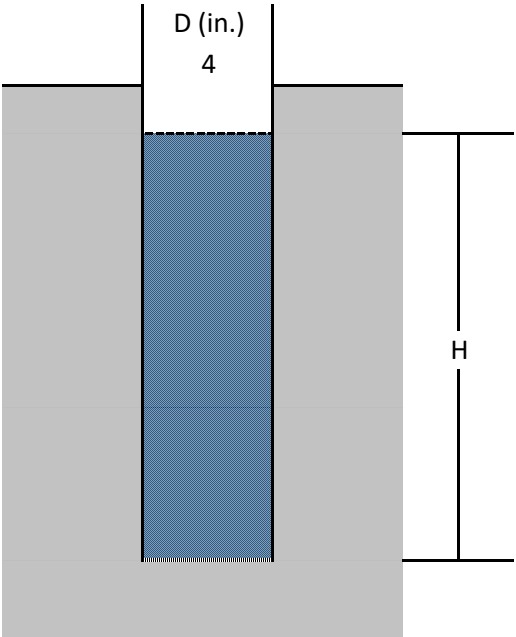
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 74" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	75	1.04	75	0.043	2.3
22	164	1.05	89	0.044	2.1
21	390	1.05	226	0.047	0.8
20	600	1.05	210	0.049	1.0
19	870	1.05	270	0.051	0.8
18	1110	1.06	240	0.054	0.9
Average			1.3 in/hr		
Safety Factor			2		
Design K			0.66 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 44 (in C2) (remove C1)

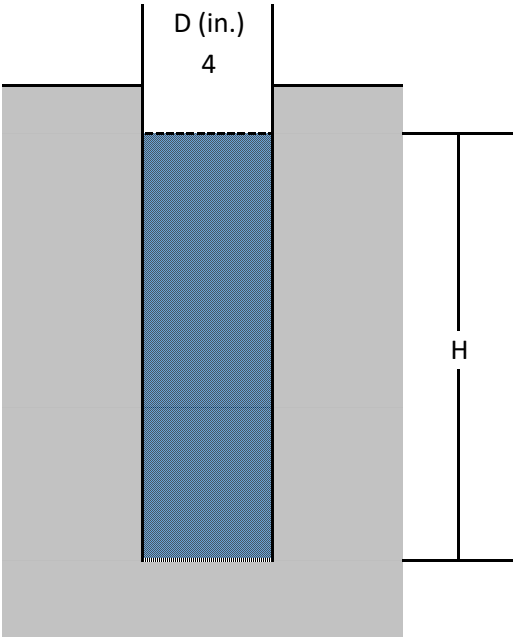
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 56" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
22	23	1.09	23	0.087	15.6
20	48	1.10	25	0.095	15.7
18	75	1.11	27	0.105	16.0
16	98	1.13	23	0.118	21.1
14	120	1.14	22	0.134	24.9
12	165	1.17	45	0.154	14.1
Average			17.9 in/hr		
Safety Factor			2		
Design K			8.95 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 45 (in C2) (remove C1)

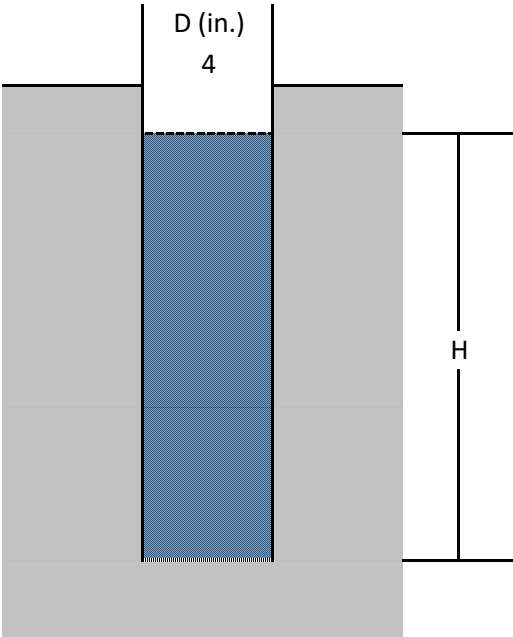
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 62" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
20	0	n/a	n/a		
19	390	1.05	390	0.051	0.5
18	690	1.06	300	0.054	0.7
17	1050	1.06	360	0.057	0.7
16	1410	1.06	360	0.061	0.7
15	1770	1.07	360	0.065	0.7
14	2130	1.07	360	0.069	0.8
Average			0.7 in/hr		
Safety Factor			2		
Design K			0.35 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 46 (in C2) (remove C1)

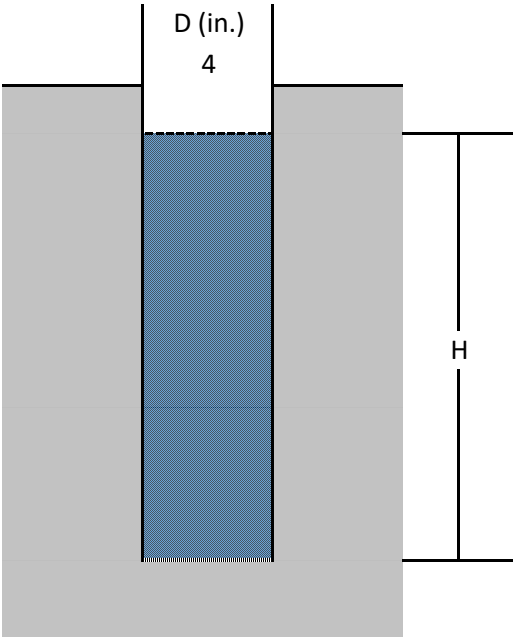
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 64" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

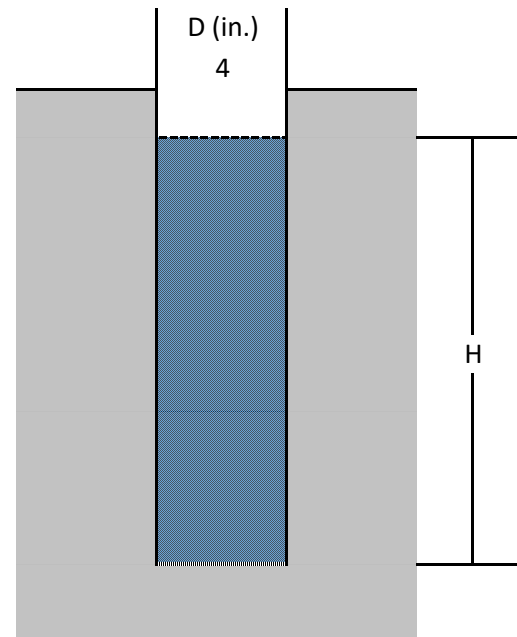
4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	120	1.04	120	0.043	1.5
22	300	1.05	180	0.044	1.0
21	480	1.05	180	0.047	1.1
20	660	1.05	180	0.049	1.1
19	840	1.05	180	0.051	1.2
18	1020	1.06	180	0.054	1.2
Average			1.2 in/hr		
Safety Factor			2		
Design K			0.59 in/hr		

Falling Head Permeability Test

Project: Summer Street, Walpole
Location: OTH 47 (in C2) (remove C1)
Test Date: 21-Oct-20
By: Daniel J. Merrikin, P.E.

Test apparatus
24" long x 4" diameter schedule 40 pvc pipe
Bottom of pipe set 72" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3
Lambe and Whitman,
Soil Mechanics, 1969
Falling Head

4" Sch. 40 PVC Test Pipe

H (inches)	T (seconds)	H_1/H_2 (inches)	t_2-t_1 (seconds)	$\ln(H_1/H_2)$	k (in/hr)
24	0	n/a	n/a		
23	20	1.04	20	0.043	8.7
22	40	1.05	20	0.044	9.1
21	60	1.05	20	0.047	9.6
20	90	1.05	30	0.049	6.7
19	130	1.05	40	0.051	5.3
18	175	1.06	45	0.054	4.9
Average			7.4 in/hr		
Safety Factor			2		
Design K			3.69 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 48

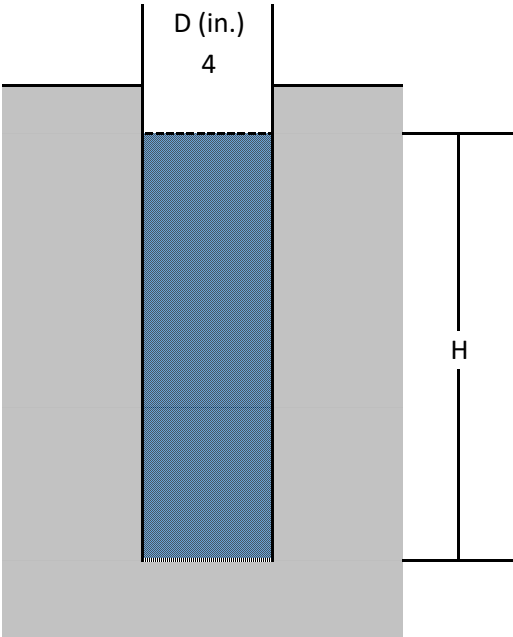
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 48" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	7	1.04	7	0.043	25.0
22	15	1.05	8	0.044	22.8
21	35	1.05	20	0.047	9.6
20	59	1.05	24	0.049	8.4
19	105	1.05	46	0.051	4.6
18	145	1.06	40	0.054	5.6
Average			12.6 in/hr		
Safety Factor			2		
Design K			6.32 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 49

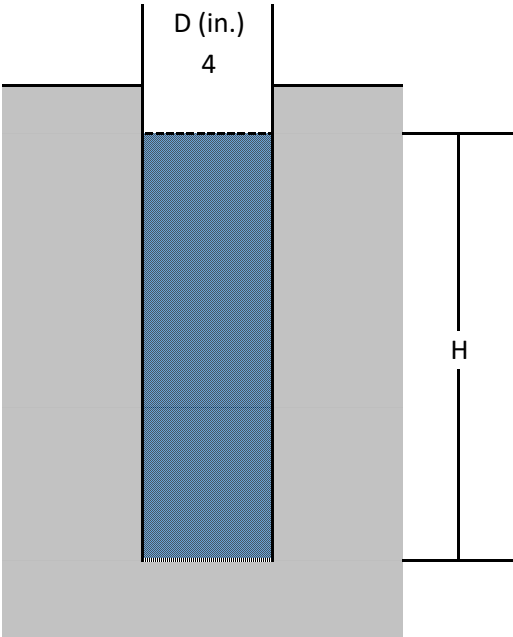
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 32" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	35	1.04	35	0.043	5.0
22	65	1.05	30	0.044	6.1
21	100	1.05	35	0.047	5.5
20	135	1.05	35	0.049	5.7
19	165	1.05	30	0.051	7.0
18	205	1.06	40	0.054	5.6
Average			5.8 in/hr		
Safety Factor			2		
Design K			2.91 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 50

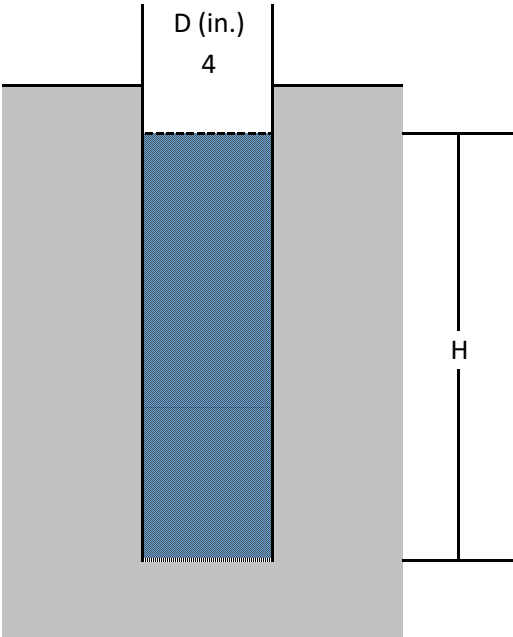
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 42" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	120	1.04	120	0.043	1.5
22	285	1.05	165	0.044	1.1
21	450	1.05	165	0.047	1.2
20	630	1.05	180	0.049	1.1
19	820	1.05	190	0.051	1.1
18	1010	1.06	190	0.054	1.2
Average			1.2 in/hr		
Safety Factor			2		
Design K			0.59 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 51 (in C2) (remove C1)

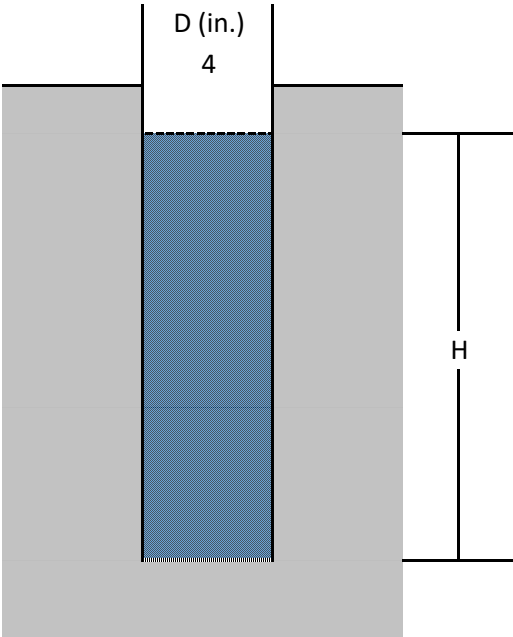
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 58" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	45	1.04	45	0.043	3.9
22	85	1.05	40	0.044	4.6
21	150	1.05	65	0.047	2.9
20	240	1.05	90	0.049	2.2
19	375	1.05	135	0.051	1.6
18	510	1.06	135	0.054	1.6
Average			2.8 in/hr		
Safety Factor			2		
Design K			1.40 in/hr		

PERMEABILITY TESTING RESULTS

Falling Head Permeability Test

Project: Summer Street, Walpole

Location: OTH 52

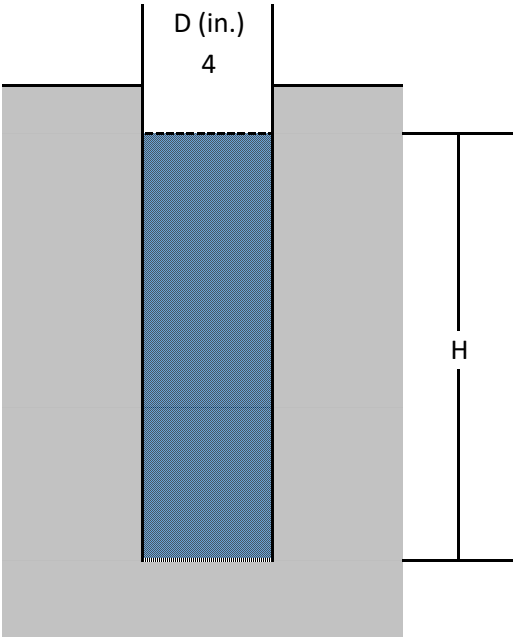
Test Date: 21-Oct-20

By: Daniel J. Merrikin, P.E.

Test apparatus

24" long x 4" diameter schedule 40 pvc pipe

Bottom of pipe set 42" below existing grade



$$k = \frac{\pi D}{11(t_2 - t_1)} \ln(H_1/H_2)$$

Ref: Fig. 19.3

Lambe and Whitman,

Soil Mechanics,1969

Falling Head

4" Sch. 40 PVC Test Pipe

H	T	H ₁ /H ₂	t ₂ -t ₁	ln(H ₁ /H ₂)	k (in/hr)
(inches)	(seconds)	(inches)	(seconds)		
24	0	n/a	n/a		
23	30	1.04	30	0.043	5.8
22	55	1.05	25	0.044	7.3
21	85	1.05	30	0.047	6.4
20	110	1.05	25	0.049	8.0
19	140	1.05	30	0.051	7.0
18	170	1.06	30	0.054	7.4

Average 7.0 in/hr

Safety Factor 2

Design K 3.50 in/hr